# Daily Drilling Report P1

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 1 Report Date : 3/11/2018

## Financials

Daily Cost : $10,580 Cost to Date : $10,580

AFE # : PB18100002

AFE : $10,772,650 AFE Cost to Date : $10,580

## Operations

Event Objective : Scan Texas D&C DB DEV WC A Event Sub Type : Drilling Prod

A.M. Ops : 0:00 TO 06:00 RIGGING DOWN/ PRE PARE RIG TO MOVE TO THE UL 20 STRIPES 38-47-601H

Ops Forecast : RIG MOVE TO THE UL 20 STRIPES 38-47-601H

24hr. Summary : RELASE RIG FROM P[EGUSAS 23-35-16 #251H @ 13:00PM ON 3/11/18/.MIRU UL 20 STRIPES 38-47-601H

Planning Status :

## Elevations

GL 2773.00 ft Reserve Pit Freeboard : 0.00 ft

## Progress

Days from Spud : 0 Progress : 0.00 ft MD at Report Time : 0.00 ft

Rig on Location (days) : 1 Est. TD : 0.00 ft TVD At Report Time : 0.00 ft

## Event Dates

| Spud Date | Spud Time | Suspended Drilling Date | Resume Drilling Date | Total Depth Date | Total Depth Time | Finished Drilling Date | Finished Drilling Time | Rig Released Date | Rig Released Time |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

## Time Breakdown

Start Time : 13:00 Initial Depth : 0.00 ft Drilling Hours : 0.00 Total Drilling Hours : 0.00 Total Hours : 11.00 Time Code : RU/RD - RI

Drilling % : 0.00 Rotating % : 0.00 Sliding % : 0.00

| Start Time | End Time | Hours | Phase | Activity | | NPT | Bit # | Run # | Depth (ft) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Time Code | Description | | | | | |
| 13:00 | 18:00 | 5.00 | MIRU | 01E | RU/RD - RIG DOWN | No | | | 0.00 | RIG DOWN PUMPS, PUMP WIRES, AND BACK YARD. RIG DOWN MUD TANKS. MOVE DRILL PIPE/ RIG DOWN SHALE SHAKERS/ GASBUSTER/ BULK TANKS |
| 18:00 | 21:00 | 3.00 | MIRU | 01E | RU/RD - RIG DOWN | No | | | 0.00 | RIG DOWN TOP DRIVE AND LAY OUT/ RIG DOWN RIG FLOOR / BRIDLE UP TO DERRICK/ LAYOVER DERRICK// DRESS OUT DERRICK/ UNSTRING BLOCKS |
| 21:00 | 00:00 | 3.00 | MIRU | 01E | RU/RD - RIG DOWN | No | | | 0.00 | RIG DOWN FESTOON, WATER LINES, AIR LINES, AND DRAWORKS |

## Personnel Hours

| Vendor | Vendor Type | Number Of People | Hours On Site | Total Hours |
|---|---|---|---|---|
| NEWLAND CONSULTING LLC | CONSULTANT | 1 | 0.00 | 0.00 |
| AES DRILLING FLUIDS LLC | MUD ENGINEER | 1 | 0.00 | 0.00 |
| SCANDRILL INC | RIG CREWS | 12 | 0.00 | 0.00 |
| SCANDRILL INC | TOOLPUSHER | 1 | 0.00 | 0.00 |
| NOV PROCESS & FLOW TECHNOLOGIES US, INC. | SOLIDS CONTROL | | 0.00 | 0.00 |
| PHOENIX DIRECTIONAL DRILLERS | DIRECTIONAL | | 0.00 | 0.00 |
| INDUSTRIAL & OILFIELD SERVICES INC | CONSULTANT | 1 | 0.00 | 0.00 |
| CRESCENT CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |

## Rig Information

KB Elevation: 2773.00 ft KB To GL : 0.00 ft

Rig(s) for today : Rig Manager : TRENT VAUGHT Rig Phone : 432-400-2272

Date and Time of Rig Release : Days From Rig Release : 0.00 Rig Fax :

## Safety

| | | | | | |
|---|---|---|---|---|---|
| Last BOP Test(F) Date : | | Last BOP Pressure : | 0.000 psi | Last Lot Fit : | 0.00 |
| Last Csg Date : | | Last Csg Pressure : | 0.000 psi | Last Spills Reported : | |
| Last BOP Drill Date : | | Last Test MW : | 0.00 | Last Accidents : | |
| Last Fire Drill : | | Last Test TVD : | 0.00 ft | Last Safety Meeting : | 3/11/2018 00:00 |
| Last Evac Drill : | | Last Test Pressure : | 0.000 psi | Last Safety Meeting Topic | USEING TAG LINE |

## Contacts

| | | | | | |
|---|---|---|---|---|---|
| Day Sup. : | NICK NEWLAND | Phone : | 405-761-3414 | Superintendent : | SANTOS MOROLES | Phone : | 432-559-4901 |
| Night Sup. : | JEREMY GRAY | Phone : | | Geologist : | ALBERT BONDURANT | Phone : | 205.568.5467 |
| Alt. Phone : | | | | Drill. Eng. : | BRANNON SMITH | Phone : | 432-818-1777 |

## Attachments

| Daily Attachment Folder(s) |
|---|

# Daily Drilling Report P2

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 1 Report Date : 3/11/2018

## Operations

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

## Mud Data

Mud Engineer : CLAY RICH Mud Type : Polymer Type :

| Chk | Time | Depth (ft) | Density (lbs/gal) | FV (s/qt) | YP (lbs/100 ft²) | PV (cP) | WL (cc/30 min) | Cl (ppm) | Electro Static Stability | Oil Ratio | H2O Ratio | HTHP Water Loss(cc/30 min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

## Bit Data

| Bit # | Run # | Size (in) | Mfg. | Model | IADC Code | Daily Drilled (ft) | Daily Hours | Daily ROP (ft/hr) | Cum Drilled (ft) | Cum Hrs. | Avg. ROP (ft/hr) | Depth In (ft) | Depth Out (ft) | Max WOB (M Lbs) | PSI Drop (psi) | Nozzle Velocity (ft/s) | HHP (HP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

## BHA Data

For Bit # : Mud Motor : Total Made : 0 ft

Total BHA Hours : 0.0 Total Hours : 0.00

BHA # : DC OD : 0.000 in DP OD : 0.000 in BHA Length : 0.00 ft BHA Weight 0.00 M Lbs

| Item | Jts | Length (ft) | OD (in) | ID (in) | Coupling OD (in) | Weight (lbs/ft) | Thread Type | Pin/Box |
|---|---|---|---|---|---|---|---|---|

## Drilling Parameters

| Bit # | Run # | Depth (ft) | WOB (M Lbs) | RPM | | GPM | Torque | | String Weight | | | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Motor | Rotary | | On Bom (ft lbf) | Off Bom (ft lbf) | Pick Up (lbs) | Stack Off (lbs) | Rotate (lbs) | On Bom (psi) | Off Bom (psi) | Diff Press. (psi) |

## Pump Data

| Bit # | Pump 1 | | | | | Pump 2 | | | | | Pump Pressure (psi) | AV DC (ft/min) | AV DP (ft/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | | | |

## Reduced Speed Pumps

| Depth(ft) | Pump 1 | | | Pump 2 | | |
|---|---|---|---|---|---|---|
| | Model | Pressure (psi) | SPM | Model | Pressure (psi) | SPM |

# Daily Drilling Report P3

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 1 Report Date : 3/11/2018

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

**Drill Bottom Hole Targets**

| Bottom Hole Location | API / License # |
|---|---|

**Survey Data**

| Depth (ft) | Deviation | Azimuth | TVD (ft) | N/S | N/S (ft) | E/W | E/W (ft) | Vertical Section (ft) | Dog Leg |
|---|---|---|---|---|---|---|---|---|---|

**Hook Loads**

| | | |
|---|---|---|
| Up : | 0 | |
| Down : | 0 | |
| Rotating : | 0 | |
| Torque : | 0 | Amps |
| Torque : | 0.00 | ft lbf |

**Comments**

UL 20 STRIPES 38-47-601H RIG MOBILIZATION BEGAN: 3/11/18 @ 13:00HRS.
RIG ON DAYRATE @ XXXX HRS, 0/XX/2018
SPUD WELL @XXX HRS, XXXXXXX
(XXX HR. RIG MOVE)
RELEASED RIG OFF OF PEGASUS 23-35-16#251H ON 03/11/18 @ 13:00 HRS .

NOTIFIED TRRC: SPUD: XXXX
NOTIFIED TRRC: INTERMENT-XXXXX
NOTIFIED TRRC: 2ND INTERMEDIATE: XXXXX
NOTIFIED TRRC: PRODUCTION: XXXX

RESUMED DRILLING OPERATIONAL HRS. = XXXX ( X DAYS)

RIVERBOAT 33-71 602H 11-27-17: INSPECT 370 OF 372 JOINTS OF SCAN RIG PIPE BY RED RIVER TO DS1 CAT-4 PLUS UTEA, HAVE 368 JTS PREMIUM READY(1 JT CLASS 5 RED BAND (CRACKED) 1 JT CLASS 2 YELLOW BAND) 3 CONNECTIONS NEED SHOPPED. ALSO ALL PIPE NEEDS REHARDBANDING, WILL DO HALF OF STRING THIS WELL & THE OTHER ON NEXT WELL. (RECIEVED REPAIRED JOINTS FROM SHOP, REPLACED BAD JOINTS, TOTAL SCAN DP COUNT ON SPECTRE STATE 54-4 801H (372 PREMIUM JOINTS).

DAYS SINCE LAST LTA: (1240 DAYS ): LAST OSHA RECORDABLE INCIDENT: ( 477 )

CREW SHORTAGES ( LAST 24HRS / TOTAL HRS ): 0 / 0
CREW DOUBLES (LAST 24 HRS / TOTAL HRS): 0 / 0
NON PRODUCTIVE TIME (LAST 24HRS / TOTAL HRS): 0 HRS. / 0 HRS.
RIG DOWNTIME CODE 8: (LAST 24 HRS / TOTAL HRS ON WELL) – 0 HRS / 0 HRS

20" CONDUCTER SET @ 145'
13 3/8" SURFACE: SET @
10 3/4" 1 INTERMEDIATE: SET @
7 5/8" 2 INTERMEDIATE SET @
5 1/2" PRODUCTION: SET @

OBM LOST TO WELL (LAST 24 HRS / TOTAL BBLS): XX BBLS / XXXX BBLS
OBM LOST BEHIND CASING: 0 BBLS

OBM LOST: 35 BBLS TO FORMATION// TOTAL=XXX BBLS
OBM LOST: 0 BBLS TO CUTTINGS // TOTAL= XXX BBLS
OBM LOST: XX BBLS// TOTAL = XXX BBLS TO CLEANING PITS,DISCHARGE OVER SHAKERS, LOST ON DISPLACEMENT, SURFACE LOSSES, CENTRIFUGE LOSSES
ADDITIONS- XXX BBL RECIEVED FROM KERMIT ON 3/XX/18// OTHER ADDITIONS XX BBL
OBM RECOVERED FROM NOV DRYER SHAKERS -0 BBL/ 0 BBLS RECOVERED TO DATE.
STARTING OBM VOLUME: XXXX BBLS TOTAL VOLUME: XXXX BBLS
TRANSFERRED OUT 0 BBLS

STARTING RIG FUEL: RIG = 1754 GALS TRANSFERED FROM PEGUSAS 23-35-16 #251 0 GALS OBM DIESEL, 0 GALS AUX. DIESEL

DIESEL USAGE:
RIG FUEL ( DAILY/TOTAL ): 0 / 0 GALS
MUD DIESEL ( DAILY/TOTAL ): 0/000 GALS
AUXILIARY EQUIPMENT (DAILY/TOTAL): / 0 GALS
CERTARUS CNG (DAILY/ TOTAL) 0 MCF / 0 TOTAL MCF

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ORIGINAL TARGET LINE - XXXX'

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***NO LEAKS OR SPILLS REPORTED OR OBSERVED***

## Solids Removal

### Shakers

| Shaker # | Bottom | Middle | Top |
|---|---|---|---|

### Other Solids Removal Equipment

| Item | Hrs Run | Intake Density (lbs/gal) | Overflow Density (lbs/gal) | Underflow Density (lbs/gal) |
|---|---|---|---|---|

## Mud Log

Formation :
Background Gas :
Connection Gas :
Flare Length :
Trip Calc :

## Well Incident

Report # :
Incident Date :
Report Date :
Problem Name :

# Daily Drilling Report P1

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 2 Report Date : 3/12/2018

## Financials

Daily Cost : $27,316 Cost to Date : $37,896

AFE # : PB18100002

AFE : $10,772,650 AFE Cost to Date : $37,896

## Operations

Event Objective : Scan Texas D&C DB DEV WC A Event Sub Type : Drilling Prod

A.M. Ops : WAIT ON DAYLIGHT TO RESUME MIRU

Ops Forecast : FINISH RIGGING DOWN, CONTINUE MIRU

24hr. Summary : RIG DOWN 100% / 50% MOVED TO LOCATION /25% RU/ SHUT DOWN WAITING ON DAYLIGHT

Planning Status :

## Elevations

GL 2773.00 ft Reserve Pit Freeboard : 0.00 ft

## Progress

Days from Spud : 0 Progress : 0.00 ft MD at Report Time : 0.00 ft

Rig on Location (days) : 2 Est. TD : 21599.00 ft TVD At Report Time : 0.00 ft

## Event Dates

| Spud Date | Spud Time | Suspended Drilling Date | Resume Drilling Date | Total Depth Date | Total Depth Time | Finished Drilling Date | Finished Drilling Time | Rig Released Date | Rig Released Time |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

## Time Breakdown

Start Time : 00:00 Initial Depth : 0.00 ft Drilling Hours : 0.00 Total Drilling Hours : 0.00 Total Hours : 24.00 Time Code : RU/RD - DE

Drilling % : 0.00 Rotating % : 0.00 Sliding % : 0.00

| Start Time | End Time | Hours | Phase | Activity | | NPT | Bit # | Run # | Depth (ft) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Time Code | Description | | | | | |
| 00:00 | 20:00 | 20.00 | MIRU | 01E | RU/RD - RIG DOWN | No | | | 0.00 | FINISH RIGGING DOWN TANKS AND FESTOOM, PULL WIRES FROM SUIT CASES, LOAD OUT SAME, LAYOVER GAS BUSTER, RIG DOWN SUPER FLO LOAD OUT SAME, REMOVE HPU SKID FROM SIDE OF SUBS, REMOVE DOG HOUSE, FLIP A - LEGS, REMOVE DERRICK FROM RIG FLOOR TO GROUND, PULL OFF BACK PORCH, TRACTOIN MOTORS, DRAWORKS, FLOOR PLATE, RACKING MATS, ROTARY TABLE, UNPIN AND BREAK DOWN CENTER STEEL, RAISE TEXAS DECKS, INPIN AND UNSTACK SUBS, REMOVE BOP FROM LOWER SUBS, UNDRESS DERRICK, LOAD UP MISC AROUND LOCATION. 100% RIGGED DOWN AND OFF HOLE, 50% MOVED, 25% RIGGED UP |
| 20:00 | 00:00 | 4.00 | MIRU | 01E | RU/RD - RIG DOWN | No | | | 0.00 | SHUT DOWN WAIT ON DAYLIGHT, ( NOTE: DRAWWORKS BROKE CHAINS ON HAUL TRUCK GOING DOWN LEASE ROAD, ALMOST SLID OFF TRUCK, USED 2 POLE TRUCKS TO LIFT DW BACK ON TRUCK STRAIGHT, BACKSIDE OF DW DID SHIFT AND HIT THE GROUND IN DOING SO. SCAN WILL SET DW ON PIPE RACKS AND HAVE OILWORKS INSPECT ON LOCATION) |

## Personnel Hours

| Vendor | Vendor Type | Number Of People | Hours On Site | Total Hours |
|---|---|---|---|---|
| NEWLAND CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| AES DRILLING FLUIDS LLC | MUD ENGINEER | 1 | 24.00 | 24.00 |
| SCANDRILL INC | RIG CREWS | 12 | 24.00 | 288.00 |
| SCANDRILL INC | TOOLPUSHER | 1 | 24.00 | 24.00 |
| INDUSTRIAL & OILFIELD SERVICES INC | CONSULTANT | 1 | 24.00 | 24.00 |
| CRESCENT CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |

## Rig Information

KB Elevation: 2773.00 ft KB To GL : 0.00 ft

Rig(s) for today : Rig Manager : TRENT VAUGHT Rig Phone : 432-400-2272

Date and Time of Rig Release : Days From Rig Release : 0.00 Rig Fax :

## Safety

Last BOP Test(F) Date : Last BOP Pressure : 0.000 psi Last Lot Fit : 0.00

Last Csg Date : Last Csg Pressure : 0.000 psi Last Spills Reported :

Last BOP Drill Date : Last Test MW : 0.00 Last Accidents :

Last Fire Drill : Last Test TVD : 0.00 ft Last Safety Meeting : 3/12/2018 18:57

Last Evac Drill : Last Test Pressure : 0.000 psi Last Safety Meeting Topic RIGGING DOWN

## Contacts

Day Sup. : NICK NEWLAND Phone : 405-761-3414 Superintendent : SANTOS MOROLES Phone : 432-559-4901

Night Sup. : JEREMY GRAY Phone : Geologist : ALBERT BONDURANT Phone : 205.568.5467

Alt. Phone : Drill. Eng. : BRANNON SMITH Phone : 432-818-1777

## Attachments

Daily Attachment Folder(s)

# Daily Drilling Report P2

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 2 Report Date : 3/12/2018

## Operations

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

## Mud Data

Mud Engineer : Mud Type : Polymer Type :

| Chk | Time | Depth (ft) | Density (lbs/gal) | FV (s/qt) | YP (lbs/100 ft²) | PV (cP) | WL (cc/30 min) | Cl (ppm) | Electro Static Stability | Oil Ratio | H2O Ratio | HTHP Water Loss(cc/30 min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

## Bit Data

| Bit # | Run # | Size (in) | Mfg. | Model | IADC Code | Daily Drilled (ft) | Daily Hours | Daily ROP (ft/hr) | Cum Drilled (ft) | Cum Hrs. | Avg. ROP (ft/hr) | Depth In (ft) | Depth Out (ft) | Max WOB (M Lbs) | PSI Drop (psi) | Nozzle Velocity (ft/s) | HHP (HP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

## BHA Data

For Bit # : Mud Motor : Total Made : 0 ft

Total BHA Hours : 0.0 Total Hours : 0.00

BHA # : DC OD : 0.000 in DP OD : 0.000 in BHA Length : 0.00 ft BHA Weight 0.00 M Lbs

| Item | Jts | Length (ft) | OD (in) | ID (in) | Coupling OD (in) | Weight (lbs/ft) | Thread Type | Pin/Box |
|---|---|---|---|---|---|---|---|---|

## Drilling Parameters

| Bit # | Run # | Depth (ft) | WOB (M Lbs) | RPM | | GPM | Torque | | String Weight | | | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Motor | Rotary | | On Bom (ft lbf) | Off Bom (ft lbf) | Pick Up (lbs) | Stack Off (lbs) | Rotate (lbs) | On Bom (psi) | Off Bom (psi) | Diff Press. (psi) |

## Pump Data

| Bit # | Pump 1 | | | | | Pump 2 | | | | | Pump Pressure (psi) | AV DC (ft/min) | AV DP (ft/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | | | |

## Reduced Speed Pumps

| Depth(ft) | Pump 1 | | | Pump 2 | | |
|---|---|---|---|---|---|---|
| | Model | Pressure (psi) | SPM | Model | Pressure (psi) | SPM |

# Daily Drilling Report P3

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 2 Report Date : 3/12/2018

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

**Drill Bottom Hole Targets**

| Bottom Hole Location | API / License # |
|---|---|

**Survey Data**

| Depth (ft) | Deviation | Azimuth | TVD (ft) | N/S | N/S (ft) | E/W | E/W (ft) | Vertical Section (ft) | Dog Leg |
|---|---|---|---|---|---|---|---|---|---|

**Hook Loads**

| | | |
|---|---|---|
| Up : | 0 | |
| Down : | 0 | |
| Rotating : | 0 | |
| Torque : | 0 | Amps |
| Torque : | 0.00 | ft lbf |

**Comments**

UL 20 STRIPES 38-47-601H RIG MOBILIZATION BEGAN: 3/11/18 @ 13:00HRS.
RIG ON DAYRATE @ XXXX HRS, 0/XX/2018
SPUD WELL @XXX HRS, XXXXXXX
(XXX HR. RIG MOVE)
RELEASED RIG OFF OF PEGASUS 23-35-16#251H ON 03/11/18 @ 13:00 HRS .

NOTIFIED TRRC: SPUD: XXXX
NOTIFIED TRRC: INTERMENT-XXXXX
NOTIFIED TRRC: 2ND INTERMEDIATE: XXXXX
NOTIFIED TRRC: PRODUCTION: XXXX

RESUMED DRILLING OPERATIONAL HRS. = XXXX ( X DAYS)

RIVERBOAT 33-71 602H 11-27-17: INSPECT 370 OF 372 JOINTS OF SCAN RIG PIPE BY RED RIVER TO DS1 CAT-4 PLUS UTEA, HAVE 368 JTS PREMIUM READY(1 JT CLASS 5 RED BAND (CRACKED) 1 JT CLASS 2 YELLOW BAND) 3 CONNECTIONS NEED SHOPPED. ALSO ALL PIPE NEEDS REHARDBANDING, WILL DO HALF OF STRING THIS WELL & THE OTHER ON NEXT WELL. (RECIEVED REPAIRED JOINTS FROM SHOP, REPLACED BAD JOINTS, TOTAL SCAN DP COUNT ON SPECTRE STATE 54-4 801H (372 PREMIUM JOINTS).

DAYS SINCE LAST LTA: (1241 DAYS ): LAST OSHA RECORDABLE INCIDENT: ( 478 )

CREW SHORTAGES ( LAST 24HRS / TOTAL HRS ): 0 / 0
CREW DOUBLES (LAST 24 HRS / TOTAL HRS): 0 / 0
NON PRODUCTIVE TIME (LAST 24HRS / TOTAL HRS): 0 HRS. / 0 HRS.
RIG DOWNTIME CODE 8: (LAST 24 HRS / TOTAL HRS ON WELL) – 0 HRS / 0 HRS

20" CONDUCTER SET @ 145'
13 3/8" SURFACE: SET @
10 3/4" 1 INTERMEDIATE: SET @
7 5/8" 2 INTERMEDIATE SET @
5 1/2" PRODUCTION: SET @

OBM LOST TO WELL (LAST 24 HRS / TOTAL BBLS): XX BBLS / XXXX BBLS
OBM LOST BEHIND CASING: 0 BBLS

OBM LOST: 35 BBLS TO FORMATION// TOTAL=XXX BBLS
OBM LOST: 0 BBLS TO CUTTINGS // TOTAL= XXX BBLS
OBM LOST: XX BBLS// TOTAL = XXX BBLS TO CLEANING PITS,DISCHARGE OVER SHAKERS, LOST ON DISPLACEMENT, SURFACE LOSSES, CENTRIFUGE LOSSES
ADDITIONS- XXX BBL RECIEVED FROM KERMIT ON 3/XX/18// OTHER ADDITIONS XX BBL
OBM RECOVERED FROM NOV DRYER SHAKERS -0 BBL/ 0 BBLS RECOVERED TO DATE.
STARTING OBM VOLUME: XXXX BBLS TOTAL VOLUME: XXXX BBLS
TRANSFERRED OUT 0 BBLS

STARTING RIG FUEL: RIG = 1754 GALS TRANSFERED FROM PEGUSAS 23-35-16 #251 0 GALS OBM DIESEL, 0 GALS AUX. DIESEL

DIESEL USAGE:
RIG FUEL ( DAILY/TOTAL ): 0 / 0 GALS
MUD DIESEL ( DAILY/TOTAL ): 0/000 GALS
AUXILIARY EQUIPMENT (DAILY/TOTAL): / 0 GALS
CERTARUS CNG (DAILY/ TOTAL) 0 MCF / 0 TOTAL MCF

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ORIGINAL TARGET LINE - XXXX'

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***NO LEAKS OR SPILLS REPORTED OR OBSERVED***

## Solids Removal

### Shakers

| Shaker # | Bottom | Middle | Top |
|---|---|---|---|

### Other Solids Removal Equipment

| Item | Hrs Run | Intake Density (lbs/gal) | Overflow Density (lbs/gal) | Underflow Density (lbs/gal) |
|---|---|---|---|---|

## Mud Log

Formation :
Background Gas :
Connection Gas :
Flare Length :
Trip Calc :

## Well Incident

Report # :
Incident Date :
Report Date :
Problem Name :

# Daily Drilling Report P1

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 3 Report Date : 3/13/2018

## Financials

Daily Cost : $25,069 Cost to Date : $83,965

AFE # : PB18100002

AFE : $10,772,650 AFE Cost to Date : $83,965

## Operations

Event Objective : Scan Texas D&C DB DEV WC A Event Sub Type : Drilling Prod

A.M. Ops : WAIT ON DAYLIGHT

Ops Forecast : CONTINUE RIGGING UP

24hr. Summary : 100 % RD / 95 % MOVED /55 % RU / WAIT ON DAYLIGHT

Planning Status :

## Elevations

GL 2773.00 ft Reserve Pit Freeboard : 0.00 ft

## Progress

Days from Spud : 0 Progress : 0.00 ft MD at Report Time : 0.00 ft

Rig on Location (days) : 3 Est. TD : 21599.00 ft TVD At Report Time : 0.00 ft

## Event Dates

| Spud Date | Spud Time | Suspended Drilling Date | Resume Drilling Date | Total Depth Date | Total Depth Time | Finished Drilling Date | Finished Drilling Time | Rig Released Date | Rig Released Time |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

## Time Breakdown

Start Time : 00:00 Initial Depth : 0.00 ft Drilling Hours : 0.00 Total Drilling Hours : 0.00 Total Hours : 24.00 Time Code : RU/RD - M

Drilling % : 0.00 Rotating % : 0.00 Sliding % : 0.00

| Start Time | End Time | Hours | Phase | Activity | | NPT | Bit # | Run # | Depth (ft) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Time Code | Description | | | | | |
| 00:00 | 06:00 | 6.00 | MIRU | 01A | RU/RD - MOBILIZATION | No | | | 0.00 | WAIT ON DAYLIGHT |
| 06:00 | 18:00 | 12.00 | MIRU | 01A | RU/RD - MOBILIZATION | No | | | 0.00 | SET #2 & #3MTRS / WIRE UP SAME / SET SUPERFLOW / TRIP TANK / SET MATTS / STACKED SUBS / PINNED ALL OF CENTER STEEL / RACKING BOARDS / ALL DERRICK ARRIVRED ON LOCATION / BOTTOM SUBS WERE READY TO LOAD OUT THIS MORNING, BUT DIDN'T ARRIVE UNTIL 15: 00 |
| 18:00 | 00:00 | 6.00 | MIRU | 01A | RU/RD - MOBILIZATION | No | | | 0.00 | WAIT ON DAYLIGHT |

## Personnel Hours

| Vendor | Vendor Type | Number Of People | Hours On Site | Total Hours |
|---|---|---|---|---|
| NEWLAND CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| AES DRILLING FLUIDS LLC | MUD ENGINEER | 1 | 24.00 | 24.00 |
| SCANDRILL INC | RIG CREWS | 12 | 24.00 | 288.00 |
| SCANDRILL INC | TOOLPUSHER | 1 | 24.00 | 24.00 |
| CRESCENT CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |

## Rig Information

KB Elevation: 2773.00 ft KB To GL : 0.00 ft

Rig(s) for today : Rig Manager : TRENT VAUGHT Rig Phone : 432-400-2272

Date and Time of Rig Release : Days From Rig Release : 0.00 Rig Fax :

## Safety

Last BOP Test(F) Date : Last BOP Pressure : 0.000 psi Last Lot Fit : 0.00

Last Csg Date : Last Csg Pressure : 0.000 psi Last Spills Reported :

Last BOP Drill Date : Last Test MW : 0.00 Last Accidents :

Last Fire Drill : Last Test TVD : 0.00 ft Last Safety Meeting : 3/13/2018 21:12

Last Evac Drill : Last Test Pressure : 0.000 psi Last Safety Meeting Topic : RIG UP / RIG DOWN

## Contacts

Day Sup. : NICK NEWLAND Phone : 405-761-3414 Superintendent : SANTOS MOROLES Phone : 432-559-4901

Night Sup. : BRIAN EHRENBERG Phone : Geologist : ALBERT BONDURANT Phone : 205.568.5467

Alt. Phone : Drill. Eng. : BRANNON SMITH Phone : 432-818-1777

## Attachments

Daily Attachment Folder(s)

# Daily Drilling Report P2

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 3 Report Date : 3/13/2018

## Operations

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

## Mud Data

Mud Engineer : Mud Type : Polymer Type :

| Chk | Time | Depth (ft) | Density (lbs/gal) | FV (s/qt) | YP (lbs/100 ft²) | PV (cP) | WL (cc/30 min) | Cl (ppm) | Electro Static Stability | Oil Ratio | H2O Ratio | HTHP Water Loss(cc/30 min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

## Bit Data

| Bit # | Run # | Size (in) | Mfg. | Model | IADC Code | Daily Drilled (ft) | Daily Hours | Daily ROP (ft/hr) | Cum Drilled (ft) | Cum Hrs. | Avg. ROP (ft/hr) | Depth In (ft) | Depth Out (ft) | Max WOB (M Lbs) | PSI Drop (psi) | Nozzle Velocity (ft/s) | HHP (HP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0.000 | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.00 | 0.00 |

## BHA Data

For Bit # : Mud Motor : Total Made : 0 ft

Total BHA Hours : 0.0 Total Hours : 0.00

BHA # : DC OD : 0.000 in DP OD : 0.000 in BHA Length : 0.00 ft BHA Weight 0.00 M Lbs

| Item | Jts | Length (ft) | OD (in) | ID (in) | Coupling OD (in) | Weight (lbs/ft) | Thread Type | Pin/Box |
|---|---|---|---|---|---|---|---|---|

## Drilling Parameters

| Bit # | Run # | Depth (ft) | WOB (M Lbs) | RPM | | GPM | Torque | | String Weight | | | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Motor | Rotary | | On Bom (ft lbf) | Off Bom (ft lbf) | Pick Up (lbs) | Stack Off (lbs) | Rotate (lbs) | On Bom (psi) | Off Bom (psi) | Diff Press. (psi) |

## Pump Data

| Bit # | Pump 1 | | | | | Pump 2 | | | | | Pump Pressure (psi) | AV DC (ft/min) | AV DP (ft/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | | | |
| | BOMCO 1600 | 12.000 | 6.000 | 0 | 0.000 | BOMCO 1600 | 12.000 | 6.000 | 0 | 0.000 | 0.00 | 0 | 0 |

## Reduced Speed Pumps

| Depth(ft) | Pump 1 | | | Pump 2 | | |
|---|---|---|---|---|---|---|
| | Model | Pressure (psi) | SPM | Model | Pressure (psi) | SPM |

# Daily Drilling Report P3

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 3 Report Date : 3/13/2018

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

**Drill Bottom Hole Targets**

| Bottom Hole Location | API / License # |
|---|---|

**Survey Data**

| Depth (ft) | Deviation | Azimuth | TVD (ft) | N/S | N/S (ft) | E/W | E/W (ft) | Vertical Section (ft) | Dog Leg |
|---|---|---|---|---|---|---|---|---|---|

**Hook Loads**

| | | |
|---|---|---|
| Up : | 0 | |
| Down : | 0 | |
| Rotating : | 0 | |
| Torque : | 0 | Amps |
| Torque : | 0.00 | ft lbf |

**Comments**

UL 20 STRIPES 38-47-601H RIG MOBILIZATION BEGAN: 3/11/18 @ 13:00HRS.
RIG ON DAYRATE @ XXXX HRS, 0/XX/2018
SPUD WELL @XXX HRS, XXXXXXX
(XXX HR. RIG MOVE)
RELEASED RIG OFF OF PEGASUS 23-35-16#251H ON 03/11/18 @ 13:00 HRS .

NOTIFIED TRRC: SPUD: XXXX
NOTIFIED TRRC: INTERMENT-XXXXX
NOTIFIED TRRC: 2ND INTERMEDIATE: XXXXX
NOTIFIED TRRC: PRODUCTION: XXXX

RESUMED DRILLING OPERATIONAL HRS. = XXXX ( X DAYS)

RIVERBOAT 33-71 602H 11-27-17: INSPECT 370 OF 372 JOINTS OF SCAN RIG PIPE BY RED RIVER TO DS1 CAT-4 PLUS UTEA, HAVE 368 JTS PREMIUM READY(1 JT CLASS 5 RED BAND (CRACKED) 1 JT CLASS 2 YELLOW BAND) 3 CONNECTIONS NEED SHOPPED. ALSO ALL PIPE NEEDS REHARDBANDING, WILL DO HALF OF STRING THIS WELL & THE OTHER ON NEXT WELL. (RECIEVED REPAIRED JOINTS FROM SHOP, REPLACED BAD JOINTS, TOTAL SCAN DP COUNT ON SPECTRE STATE 54-4 801H (372 PREMIUM JOINTS).

DAYS SINCE LAST LTA: (1242 DAYS ): LAST OSHA RECORDABLE INCIDENT: ( 479 )

CREW SHORTAGES ( LAST 24HRS / TOTAL HRS ): 0 / 0
CREW DOUBLES (LAST 24 HRS / TOTAL HRS): 0 / 0
NON PRODUCTIVE TIME (LAST 24HRS / TOTAL HRS): 0 HRS. / 0 HRS.
RIG DOWNTIME CODE 8: (LAST 24 HRS / TOTAL HRS ON WELL) – 0 HRS / 0 HRS

20" CONDUCTER SET @ 145'
13 3/8" SURFACE: SET @
10 3/4" 1 INTERMEDIATE: SET @
7 5/8" 2 INTERMEDIATE SET @
5 1/2" PRODUCTION: SET @

OBM LOST TO WELL (LAST 24 HRS / TOTAL BBLS): XX BBLS / XXXX BBLS
OBM LOST BEHIND CASING: 0 BBLS

OBM LOST: 35 BBLS TO FORMATION// TOTAL=XXX BBLS
OBM LOST: 0 BBLS TO CUTTINGS // TOTAL= XXX BBLS
OBM LOST: XX BBLS// TOTAL = XXX BBLS TO CLEANING PITS,DISCHARGE OVER SHAKERS, LOST ON DISPLACEMENT, SURFACE LOSSES, CENTRIFUGE LOSSES
ADDITIONS- XXX BBL RECIEVED FROM KERMIT ON 3/XX/18// OTHER ADDITIONS XX BBL
OBM RECOVERED FROM NOV DRYER SHAKERS -0 BBL/ 0 BBLS RECOVERED TO DATE.
STARTING OBM VOLUME: XXXX BBLS TOTAL VOLUME: XXXX BBLS
TRANSFERRED OUT 0 BBLS

STARTING RIG FUEL: RIG = 1754 GALS TRANSFERED FROM PEGUSAS 23-35-16 #251 0 GALS OBM DIESEL, 0 GALS AUX. DIESEL

DIESEL USAGE:
RIG FUEL ( DAILY/TOTAL ): 0 / 0 GALS
MUD DIESEL ( DAILY/TOTAL ): 0/000 GALS
AUXILIARY EQUIPMENT (DAILY/TOTAL): / 0 GALS
CERTARUS CNG (DAILY/ TOTAL) 0 MCF / 0 TOTAL MCF

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ORIGINAL TARGET LINE - XXXX'

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***NO LEAKS OR SPILLS REPORTED OR OBSERVED***

## Solids Removal

### Shakers

| Shaker # | Bottom | Middle | Top |
|---|---|---|---|

### Other Solids Removal Equipment

| Item | Hrs Run | Intake Density (lbs/gal) | Overflow Density (lbs/gal) | Underflow Density (lbs/gal) |
|---|---|---|---|---|

## Mud Log

Formation :
Background Gas :
Connection Gas :
Flare Length :
Trip Calc :

## Well Incident

Report # :
Incident Date :
Report Date :
Problem Name :

# Daily Drilling Report P1

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 4 Report Date : 3/14/2018

## Financials

Daily Cost : $39,701 Cost to Date : $312,036

AFE # : PB18100002

AFE : $10,772,650 AFE Cost to Date : $312,036

## Operations

Event Objective : Scan Texas D&C DB DEV WC A Event Sub Type : Drilling Prod

A.M. Ops : WAIT ON DAYLIGHT

Ops Forecast : CONTINUE RIGGING UP

24hr. Summary : 100 % MOVED / 65 % RU / WAIT ON DAYLIGHT/FINISH RIG UP

Planning Status :

## Elevations

GL 2773.00 ft Reserve Pit Freeboard : 0.00 ft

## Progress

Days from Spud : 0 Progress : 0.00 ft MD at Report Time : 0.00 ft

Rig on Location (days) : 4 Est. TD : 21599.00 ft TVD At Report Time : 0.00 ft

## Event Dates

| Spud Date | Spud Time | Suspended Drilling Date | Resume Drilling Date | Total Depth Date | Total Depth Time | Finished Drilling Date | Finished Drilling Time | Rig Released Date | Rig Released Time |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

## Time Breakdown

Start Time : 00:00 Initial Depth : 0.00 ft Drilling Hours : 0.00 Total Drilling Hours : 0.00 Total Hours : 24.00 Time Code : RU/RD - RI

Drilling % : 0.00 Rotating % : 0.00 Sliding % : 0.00

| Start Time | End Time | Hours | Phase | Activity | | NPT | Bit # | Run # | Depth (ft) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Time Code | Description | | | | | |
| 00:00 | 06:00 | 6.00 | MIRU | 01A | RU/RD - MOBILIZATION | No | | | 0.00 | WAIT ON DAYLIGHT |
| 06:00 | 22:00 | 16.00 | MIRU | 01B | RU/RD - RIG UP | No | | | 0.00 | BUILD AND RIG UP DERRICK. / INSTALL MONKEY BOARD / PIN DERRICK ON FLOOR. / RAISE A - LEGS, SET DOG HOUSES / RUN ELECTRIC / SET FRAC TANKS / SET CENTERFUGE ON STAND / RIG UP FLOWLINE / STRING BLOCKS / PUT DRILLING LINE ON ANCOR / PULL LINE TIGHT . |
| 22:00 | 00:00 | 2.00 | MIRU | 01B | RU/RD - RIG UP | No | | | 0.00 | WAIT ON DAYLIGHT |

### Personnel Hours

| Vendor | Vendor Type | Number Of People | Hours On Site | Total Hours |
|---|---|---|---|---|
| NEWLAND CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| AES DRILLING FLUIDS LLC | MUD ENGINEER | 1 | 24.00 | 24.00 |
| SCANDRILL INC | RIG CREWS | 12 | 24.00 | 288.00 |
| SCANDRILL INC | TOOLPUSHER | 1 | 24.00 | 24.00 |
| CRESCENT CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |

## Rig Information

KB Elevation: 2798.00 ft KB To GL : 25.00 ft

Rig(s) for today : Scan Texas Rig Manager : ROCKY BRUMLEY Rig Phone : 432-400-2272

Date and Time of Rig Release : Days From Rig Release : 0.00 Rig Fax :

## Safety

Last BOP Test(F) Date : Last BOP Pressure : 0.000 psi Last Lot Fit : 0.00

Last Csg Date : Last Csg Pressure : 0.000 psi Last Spills Reported :

Last BOP Drill Date : Last Test MW : 0.00 Last Accidents :

Last Fire Drill : Last Test TVD : 0.00 ft Last Safety Meeting : 3/14/2018 04:59

Last Evac Drill : Last Test Pressure : 0.000 psi Last Safety Meeting Topic : RIGGING UP

## Contacts

Day Sup. : NICK NEWLAND Phone : 405-761-3414 Superintendent : SANTOS MOROLES Phone : 432-559-4901

Night Sup. : BRIAN EHRENBERG Phone : Geologist : ALBERT BONDURANT Phone : 205.568.5467

Alt. Phone : Drill. Eng. : BRANNON SMITH Phone : 432-818-1777

## Attachments

| Daily Attachment Folder(s) |
|---|

# Daily Drilling Report P2

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 4 Report Date : 3/14/2018

## Operations

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

## Mud Data

Mud Engineer : Mud Type : Polymer Type :

| Chk | Time | Depth (ft) | Density (lbs/gal) | FV (s/qt) | YP (lbs/100 ft²) | PV (cP) | WL (cc/30 min) | Cl (ppm) | Electro Static Stability | Oil Ratio | H2O Ratio | HTHP Water Loss(cc/30 min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

## Bit Data

| Bit # | Run # | Size (in) | Mfg. | Model | IADC Code | Daily Drilled (ft) | Daily Hours | Daily ROP (ft/hr) | Cum Drilled (ft) | Cum Hrs. | Avg. ROP (ft/hr) | Depth In (ft) | Depth Out (ft) | Max WOB (M Lbs) | PSI Drop (psi) | Nozzle Velocity (ft/s) | HHP (HP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0.000 | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.00 | 0.00 |

## BHA Data

For Bit # : Mud Motor : Total Made : 0 ft

Total BHA Hours : 0.0 Total Hours : 0.00

BHA # : DC OD : 0.000 in DP OD : 0.000 in BHA Length : 0.00 ft BHA Weight 0.00 M Lbs

| Item | Jts | Length (ft) | OD (in) | ID (in) | Coupling OD (in) | Weight (lbs/ft) | Thread Type | Pin/Box |
|---|---|---|---|---|---|---|---|---|

## Drilling Parameters

| Bit # | Run # | Depth (ft) | WOB (M Lbs) | RPM | | GPM | Torque | | String Weight | | | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Motor | Rotary | | On Bom (ft lbf) | Off Bom (ft lbf) | Pick Up (lbs) | Stack Off (lbs) | Rotate (lbs) | On Bom (psi) | Off Bom (psi) | Diff Press. (psi) |

## Pump Data

| Bit # | Pump 1 | | | | | Pump 2 | | | | | Pump Pressure (psi) | AV DC (ft/min) | AV DP (ft/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | | | |
| | BOMCO 1600 | 12.000 | 6.000 | 0 | 0.000 | BOMCO 1600 | 12.000 | 6.000 | 0 | 0.000 | 0.00 | 0 | 0 |

## Reduced Speed Pumps

| Depth(ft) | Pump 1 | | | Pump 2 | | |
|---|---|---|---|---|---|---|
| | Model | Pressure (psi) | SPM | Model | Pressure (psi) | SPM |

# Daily Drilling Report P3

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 4 Report Date : 3/14/2018

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

**Drill Bottom Hole Targets**

| Bottom Hole Location | API / License # |
|---|---|

**Survey Data**

| Depth (ft) | Deviation | Azimuth | TVD (ft) | N/S | N/S (ft) | E/W | E/W (ft) | Vertical Section (ft) | Dog Leg |
|---|---|---|---|---|---|---|---|---|---|

**Hook Loads**

| | | |
|---|---|---|
| Up : | 0 | |
| Down : | 0 | |
| Rotating : | 0 | |
| Torque : | 0 | Amps |
| Torque : | 0.00 | ft lbf |

**Comments**

UL 20 STRIPES 38-47-601H RIG MOBILIZATION BEGAN: 3/11/18 @ 13:00HRS.
RIG ON DAYRATE @ XXXX HRS, 0/XX/2018
SPUD WELL @XXX HRS, XXXXXXX
(XXX HR. RIG MOVE)
RELEASED RIG OFF OF PEGASUS 23-35-16#251H ON 03/11/18 @ 13:00 HRS .

NOTIFIED TRRC: SPUD: XXXX
NOTIFIED TRRC: INTERMENT-XXXXX
NOTIFIED TRRC: 2ND INTERMEDIATE: XXXXX
NOTIFIED TRRC: PRODUCTION: XXXX

RESUMED DRILLING OPERATIONAL HRS. = XXXX ( X DAYS)

RIVERBOAT 33-71 602H 11-27-17: INSPECT 370 OF 372 JOINTS OF SCAN RIG PIPE BY RED RIVER TO DS1 CAT-4 PLUS UTEA, HAVE 368 JTS PREMIUM READY(1 JT CLASS 5 RED BAND (CRACKED) 1 JT CLASS 2 YELLOW BAND) 3 CONNECTIONS NEED SHOPPED. ALSO ALL PIPE NEEDS REHARDBANDING, WILL DO HALF OF STRING THIS WELL & THE OTHER ON NEXT WELL. (RECIEVED REPAIRED JOINTS FROM SHOP, REPLACED BAD JOINTS, TOTAL SCAN DP COUNT ON SPECTRE STATE 54-4 801H (372 PREMIUM JOINTS).

DAYS SINCE LAST LTA: (1243 DAYS ): LAST OSHA RECORDABLE INCIDENT: ( 480 )

CREW SHORTAGES ( LAST 24HRS / TOTAL HRS ): 0 / 0
CREW DOUBLES (LAST 24 HRS / TOTAL HRS): 0 / 0
NON PRODUCTIVE TIME (LAST 24HRS / TOTAL HRS): 0 HRS. / 0 HRS.
RIG DOWNTIME CODE 8: (LAST 24 HRS / TOTAL HRS ON WELL) – 0 HRS / 0 HRS

20" CONDUCTER SET @ 145'
13 3/8" SURFACE: SET @
10 3/4" 1 INTERMEDIATE: SET @
7 5/8" 2 INTERMEDIATE SET @
5 1/2" PRODUCTION: SET @

OBM LOST TO WELL (LAST 24 HRS / TOTAL BBLS): XX BBLS / XXXX BBLS
OBM LOST BEHIND CASING: 0 BBLS

OBM LOST: 35 BBLS TO FORMATION// TOTAL=XXX BBLS
OBM LOST: 0 BBLS TO CUTTINGS // TOTAL= XXX BBLS
OBM LOST: XX BBLS// TOTAL = XXX BBLS TO CLEANING PITS,DISCHARGE OVER SHAKERS, LOST ON DISPLACEMENT, SURFACE LOSSES, CENTRIFUGE LOSSES
ADDITIONS- XXX BBL RECIEVED FROM KERMIT ON 3/XX/18// OTHER ADDITIONS XX BBL
OBM RECOVERED FROM NOV DRYER SHAKERS -0 BBL/ 0 BBLS RECOVERED TO DATE.
STARTING OBM VOLUME: XXXX BBLS TOTAL VOLUME: XXXX BBLS
TRANSFERRED OUT 0 BBLS

STARTING RIG FUEL: RIG = 1754 GALS TRANSFERED FROM PEGUSAS 23-35-16 #251 0 GALS OBM DIESEL, 0 GALS AUX. DIESEL

DIESEL USAGE:
RIG FUEL ( DAILY/TOTAL ): 222 / 222 GALS
MUD DIESEL ( DAILY/TOTAL ): 0/000 GALS
AUXILIARY EQUIPMENT (DAILY/TOTAL): / 0 GALS
CERTARUS CNG (DAILY/ TOTAL) 0 MCF / 0 TOTAL MCF

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ORIGINAL TARGET LINE - XXXX'

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***NO LEAKS OR SPILLS REPORTED OR OBSERVED***

## Solids Removal

### Shakers

| Shaker # | Bottom | Middle | Top |
|---|---|---|---|

### Other Solids Removal Equipment

| Item | Hrs Run | Intake Density (lbs/gal) | Overflow Density (lbs/gal) | Underflow Density (lbs/gal) |
|---|---|---|---|---|

## Mud Log

Formation :
Background Gas :
Connection Gas :
Flare Length :
Trip Calc :

## Well Incident

Report # :
Incident Date :
Report Date :
Problem Name :

# Daily Drilling Report P1

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 5 Report Date : 3/15/2018

## Financials

Daily Cost : $45,120 Cost to Date : $357,151

AFE # : PB18100002

AFE : $10,772,650 AFE Cost to Date : $357,151

## Operations

Event Objective : Scan Texas D&C DB DEV WC A Event Sub Type : Drilling Prod

A.M. Ops : DRESS OUT FLOOR, DO PRE-SPUD INSPECTION, ACCEPT RIG ON DAYWORK @ 04:30, RU CELLAR PUMPS & FLOWLINES

Ops Forecast : STRAP & CALIPER BHA/M/U BHA, SPUD, DRILL 17 1/2' SURFACE TOWARD CP 400' +/-

24hr. Summary : WAIT ON DAYLIGHT/ RAISED DERRICK / CONTINUE RU/ 95% RU

Planning Status :

## Elevations

GL 2773.00 ft Reserve Pit Freeboard : 0.00 ft

## Progress

Days from Spud : 0 Progress : 0.00 ft MD at Report Time : 0.00 ft

Rig on Location (days) : 5 Est. TD : 21599.00 ft TVD At Report Time : 0.00 ft

## Event Dates

| Spud Date | Spud Time | Suspended Drilling Date | Resume Drilling Date | Total Depth Date | Total Depth Time | Finished Drilling Date | Finished Drilling Time | Rig Released Date | Rig Released Time |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

## Time Breakdown

Start Time : 00:00 Initial Depth : 0.00 ft Drilling Hours : 0.00 Total Drilling Hours : 0.00 Total Hours : 24.00 Time Code : RU/RD - RI

Drilling % : 0.00 Rotating % : 0.00 Sliding % : 0.00

| Start Time | End Time | Hours | Phase | Activity | | NPT | Bit # | Run # | Depth (ft) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Time Code | Description | | | | | |
| 00:00 | 06:00 | 6.00 | MIRU | 01B | RU/RD - RIG UP | No | | | 0.00 | WAIT ON DAYLIGHT |
| 06:00 | 12:00 | 6.00 | MIRU | 01B | RU/RD - RIG UP | No | | | 0.00 | RAISED DERRICK, BRIDDLE DOWN, SERVICE TOP DRIVE ON GROUND, RU TOP DRIVE TRACK , PU / RU TOP DRIVE, RIG UP BACK YARD. |
| 12:00 | 00:00 | 12.00 | MIRU | 01B | RU/RD - RIG UP | No | | | 0.00 | WIRED UP TOP DRIVE HOUSE / M. P' S , PRIME ALL MUD PUMPS, TEST PUMPS TO 1000 PSI, FINISH MISC IDEMS IN BACK YARD, HANG SERVICE LOOP, WIRE UP TOP DRIVE, FUNTION TEST THR SAME, CHANGE OUT BURN SUB, WELDER CHANGING OUT BOTTOM FLOOR IN PIPECAT. |

### Personnel Hours

| Vendor | Vendor Type | Number Of People | Hours On Site | Total Hours |
|---|---|---|---|---|
| NEWLAND CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| AES DRILLING FLUIDS LLC | MUD ENGINEER | 1 | 24.00 | 24.00 |
| SCANDRILL INC | RIG CREWS | 12 | 24.00 | 288.00 |
| SCANDRILL INC | TOOLPUSHER | 1 | 24.00 | 24.00 |
| CRESCENT CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |

## Rig Information

KB Elevation: 2798.00 ft KB To GL : 25.00 ft

Rig(s) for today : Scan Texas Rig Manager : ROCKY BRUMLEY Rig Phone : 432-400-2272

Date and Time of Rig Release : Days From Rig Release : 0.00 Rig Fax :

## Safety

Last BOP Test(F) Date : Last BOP Pressure : 0.000 psi Last Lot Fit : 0.00

Last Csg Date : Last Csg Pressure : 0.000 psi Last Spills Reported :

Last BOP Drill Date : Last Test MW : 0.00 Last Accidents :

Last Fire Drill : Last Test TVD : 0.00 ft Last Safety Meeting : 3/15/2018 06:49

Last Evac Drill : Last Test Pressure : 0.000 psi Last Safety Meeting Topic : RAISING DERRICK

## Contacts

Day Sup. : NICK NEWLAND Phone : 405-761-3414 Superintendent : SANTOS MOROLES Phone : 432-559-4901

Night Sup. : BRIAN EHRENBERG Phone : Geologist : ALBERT BONDURANT Phone : 205.568.5467

Alt. Phone : Drill. Eng. : BRANNON SMITH Phone : 432-818-1777

## Attachments

| Daily Attachment Folder(s) |
|---|
| |

# Daily Drilling Report P2

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 5 Report Date : 3/15/2018

## Operations

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

## Mud Data

Mud Engineer : Mud Type : Polymer Type :

| Chk | Time | Depth (ft) | Density (lbs/gal) | FV (s/qt) | YP (lbs/100 ft²) | PV (cP) | WL (cc/30 min) | Cl (ppm) | Electro Static Stability | Oil Ratio | H2O Ratio | HTHP Water Loss(cc/30 min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

## Bit Data

| Bit # | Run # | Size (in) | Mfg. | Model | IADC Code | Daily Drilled (ft) | Daily Hours | Daily ROP (ft/hr) | Cum Drilled (ft) | Cum Hrs. | Avg. ROP (ft/hr) | Depth In (ft) | Depth Out (ft) | Max WOB (M Lbs) | PSI Drop (psi) | Nozzle Velocity (ft/s) | HHP (HP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0.000 | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.000 | 0.00 | 0.00 |

## BHA Data

For Bit # : Mud Motor : Total Made : 0 ft

Total BHA Hours : 0.0 Total Hours : 0.00

BHA # : DC OD : 0.000 in DP OD : 0.000 in BHA Length : 0.00 ft BHA Weight 0.00 M Lbs

| Item | Jts | Length (ft) | OD (in) | ID (in) | Coupling OD (in) | Weight (lbs/ft) | Thread Type | Pin/Box |
|---|---|---|---|---|---|---|---|---|

## Drilling Parameters

| Bit # | Run # | Depth (ft) | WOB (M Lbs) | RPM | | GPM | Torque | | String Weight | | | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Motor | Rotary | | On Bom (ft lbf) | Off Bom (ft lbf) | Pick Up (lbs) | Stack Off (lbs) | Rotate (lbs) | On Bom (psi) | Off Bom (psi) | Diff Press. (psi) |

## Pump Data

| Bit # | Pump 1 | | | | | Pump 2 | | | | | Pump Pressure (psi) | AV DC (ft/min) | AV DP (ft/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | | | |
| | BOMCO 1600 | 12.000 | 6.000 | 0 | 0.000 | BOMCO 1600 | 12.000 | 6.000 | 0 | 0.000 | 0.00 | 0 | 0 |

## Reduced Speed Pumps

| Depth(ft) | Pump 1 | | | Pump 2 | | |
|---|---|---|---|---|---|---|
| | Model | Pressure (psi) | SPM | Model | Pressure (psi) | SPM |

# Daily Drilling Report P3

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 5 Report Date : 3/15/2018

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

**Drill Bottom Hole Targets**

| Bottom Hole Location | API / License # |
|---|---|

**Survey Data**

| Depth (ft) | Deviation | Azimuth | TVD (ft) | N/S | N/S (ft) | E/W | E/W (ft) | Vertical Section (ft) | Dog Leg |
|---|---|---|---|---|---|---|---|---|---|

**Hook Loads**

| | | |
|---|---|---|
| Up : | 0 | |
| Down : | 0 | |
| Rotating : | 0 | |
| Torque : | 0 | Amps |
| Torque : | 0.00 | ft lbf |

**Comments**

UL 20 STRIPES 38-47-601H RIG MOBILIZATION BEGAN: 3/11/18 @ 13:00HRS.
RIG ON DAYRATE @ XXXX HRS, 0/XX/2018
SPUD WELL @XXX HRS, XXXXXXX
(XXX HR. RIG MOVE)
RELEASED RIG OFF OF PEGASUS 23-35-16#251H ON 03/11/18 @ 13:00 HRS .

NOTIFIED TRRC: SPUD/SURFACE: 03/15/17,10 AM, MICHELLE, JOB #123292
NOTIFIED TRRC: INTERMENT-XXXXX
NOTIFIED TRRC: 2ND INTERMEDIATE: XXXXX
NOTIFIED TRRC: PRODUCTION: XXXX

RESUMED DRILLING OPERATIONAL HRS. = XXXX ( X DAYS)

RIVERBOAT 33-71 602H 11-27-17: INSPECT 370 OF 372 JOINTS OF SCAN RIG PIPE BY RED RIVER TO DS1 CAT-4 PLUS UTEA, HAVE 368 JTS PREMIUM READY(1 JT CLASS 5 RED BAND (CRACKED) 1 JT CLASS 2 YELLOW BAND) 3 CONNECTIONS NEED SHOPPED. ALSO ALL PIPE NEEDS REHARDBANDING, WILL DO HALF OF STRING THIS WELL & THE OTHER ON NEXT WELL. (RECIEVED REPAIRED JOINTS FROM SHOP, REPLACED BAD JOINTS, TOTAL SCAN DP COUNT ON SPECTRE STATE 54-4 801H (372 PREMIUM JOINTS).

DAYS SINCE LAST LTA: (1244 DAYS ): LAST OSHA RECORDABLE INCIDENT: ( 481 )

CREW SHORTAGES ( LAST 24HRS / TOTAL HRS ): 0 / 0
CREW DOUBLES (LAST 24 HRS / TOTAL HRS): 0 / 0
NON PRODUCTIVE TIME (LAST 24HRS / TOTAL HRS): 0 HRS. / 0 HRS.
RIG DOWNTIME CODE 8: (LAST 24 HRS / TOTAL HRS ON WELL) – 0 HRS / 0 HRS

20" CONDUCTER SET @ 145'
13 3/8" SURFACE: SET @
10 3/4" 1 INTERMEDIATE: SET @
7 5/8" 2 INTERMEDIATE SET @
5 1/2" PRODUCTION: SET @

OBM LOST TO WELL (LAST 24 HRS / TOTAL BBLS): XX BBLS / XXXX BBLS
OBM LOST BEHIND CASING: 0 BBLS

OBM LOST: 35 BBLS TO FORMATION// TOTAL=XXX BBLS
OBM LOST: 0 BBLS TO CUTTINGS // TOTAL= XXX BBLS
OBM LOST: XX BBLS// TOTAL = XXX BBLS TO CLEANING PITS,DISCHARGE OVER SHAKERS, LOST ON DISPLACEMENT, SURFACE LOSSES, CENTRIFUGE LOSSES
ADDITIONS- XXX BBL RECIEVED FROM KERMIT ON 3/XX/18// OTHER ADDITIONS XX BBL
OBM RECOVERED FROM NOV DRYER SHAKERS -0 BBL/ 0 BBLS RECOVERED TO DATE.
STARTING OBM VOLUME: XXXX BBLS TOTAL VOLUME: XXXX BBLS
TRANSFERRED OUT 0 BBLS

STARTING RIG FUEL: RIG = 1754 GALS TRANSFERED FROM PEGUSAS 23-35-16 #251 0 GALS OBM DIESEL, 0 GALS AUX. DIESEL

DIESEL USAGE:
RIG FUEL ( DAILY/TOTAL ): 482 / 704 GALS
MUD DIESEL ( DAILY/TOTAL ): 0/000 GALS
AUXILIARY EQUIPMENT (DAILY/TOTAL): 192 / 192 GALS
CERTARUS CNG (DAILY/ TOTAL) 0 MCF / 0 TOTAL MCF

---

ORIGINAL TARGET LINE - XXXX'

---

***NO LEAKS OR SPILLS REPORTED OR OBSERVED***

## Solids Removal

### Shakers

| Shaker # | Bottom | Middle | Top |
|---|---|---|---|

### Other Solids Removal Equipment

| Item | Hrs Run | Intake Density (lbs/gal) | Overflow Density (lbs/gal) | Underflow Density (lbs/gal) |
|---|---|---|---|---|

## Mud Log

Formation :
Background Gas :
Connection Gas :
Flare Length :
Trip Calc :

## Well Incident

Report # :
Incident Date :
Report Date :
Problem Name :

# Daily Drilling Report P1

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 6 Report Date : 3/16/2018

## Financials

Daily Cost : $285,044 Cost to Date : $642,195

AFE # : PB18100002

AFE : $10,772,650 AFE Cost to Date : $642,195

## Operations

Event Objective : Scan Texas D&C DB DEV WC A Event Sub Type : Drilling Prod

A.M. Ops : DRLD 17 1/2" SURF F/192' - T/250' (58' @ 11.6 FPH) MW 8.5 PPG

Ops Forecast : DRLILL17 1/2 SURFACE HOLE TO TD MD 445' / RUN 13 3/8" CASING

24hr. Summary : PRE-SPUD INSPECTION/ACCEPT RIG @ 04:30 3/16/18/MU BHA #1/SPUD 17 1/2" SURF @ 19:00- 3/16/18, DRLD F/146' - T/192' ( 46' - 9.2FPH ), MW 8.5 PPG

Planning Status :

## Elevations

GL 2773.00 ft Reserve Pit Freeboard : 0.00 ft

## Progress

Days from Spud : 0 Progress : 192.00 ft MD at Report Time : 192.00 ft

Rig on Location (days) : 6 Est. TD : 21599.00 ft TVD At Report Time : 0.00 ft

## Event Dates

| Spud Date | Spud Time | Suspended Drilling Date | Resume Drilling Date | Total Depth Date | Total Depth Time | Finished Drilling Date | Finished Drilling Time | Rig Released Date | Rig Released Time |
|---|---|---|---|---|---|---|---|---|---|
| 3/16/2018 | 19:00 | | | | | | | | |

## Time Breakdown

Start Time : 00:00 Initial Depth : 0.00 ft Drilling Hours : 5.00 Total Drilling Hours : 5.00 Total Hours : 24.00 Time Code : DRILLING -

Drilling % : 20.83 Rotating % : 100.00 Sliding % : 0.00

| Start Time | End Time | Hours | Phase | Activity | | NPT | Bit # | Run # | Depth (ft) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Time Code | Description | | | | | |
| 00:00 | 02:00 | 2.00 | MIRU | 01B | RU/RD - RIG UP | No | | | 146.00 | WELDERS FINISHED REPAIR AUTO- CAT |
| 02:00 | 03:00 | 1.00 | MIRU | 01B | RU/RD - RIG UP | No | | | 146.00 | DRESS OUT FLOOR, HANG BAILS, ELEVATORS AND HANDLING TOOLS |
| 03:00 | 04:30 | 1.50 | MIRU | 01B | RU/RD - RIG UP | No | | | 146.00 | DO PRE- SPUD RIG INSPECTION, ACCEPT RIG ON DAYRATE @ 04: 30 03/ 16/ 18 |
| 04:30 | 12:00 | 7.50 | MIRU | 39A | OTHER - OTHER | No | | | 146.00 | RU PVC FLOWLINES, SLIDE AND BACKYARD, RU TRASH PUMPS FOR CELLAR JETTING FOR SURFACE HOLE DRILLING |
| 12:00 | 15:00 | 3.00 | MIRU | 39A | OTHER - OTHER | No | | | 146.00 | MIX SPUD MUD, SET OUT AND STRAP BHA |
| 15:00 | 18:00 | 3.00 | MIRU | 08I | TRIPPING - TRIPPING - OTHER | No | | | 146.00 | PICK UP BHA AND BIT MAKE UP THE SAME |
| 18:00 | 19:00 | 1.00 | MIRU | 08I | TRIPPING - TRIPPING - OTHER | No | 01 | 1 | 146.00 | PU BHA # 1 AS FOLLOWS: 17. 5" ULTERRA CF616 SER# 39306 W/ 9- 13'S TFA= 1. 166 // 8" PHOENIX/ NOV ADJ. W/ 17" NB STAB. MUD MOTOR SET @ 1. 83° ( 7/ 8 LOBE, 4 STG., . 166 REV/ GAL ) // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= ( LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6 - 8" DC'S // XO // = TOT. LGTH. = 278. 09' // BIT TO BEND 6. 43' // BIT TO SURVEY 76' // BIT TO GAMMA 59', TAG UP AT 146', FILL HOLE AND SPUD IN @ 19: 00 HRS |
| 19:00 | 00:00 | 5.00 | DRLSUR | 02B | DRILLING - MTR/TURB - VERT | No | 01 | 1 | 192.00 | ROTATE DRILL 17 1/ 2" SURFACE F/ 146' - T/ 192' ( 46' @ 9. 2 FPH ) WOB 5K - 30K, RPM 30 - 50, GPM 400, MRPM 64, SPP 300 PSI., DIFF 100 PSI., TQ. 2K, DRILLING DOWN FLOW LINE CIRCULATING CLOSED LOOP, MW 8. 4 PPG 35 VIS |

### Personnel Hours

| Vendor | Vendor Type | Number Of People | Hours On Site | Total Hours |
|---|---|---|---|---|
| NEWLAND CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| AES DRILLING FLUIDS LLC | MUD ENGINEER | 1 | 24.00 | 24.00 |
| SCANDRILL INC | RIG CREWS | 12 | 24.00 | 288.00 |
| SCANDRILL INC | TOOLPUSHER | 1 | 24.00 | 24.00 |
| CRESCENT CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| PHOENIX DIRECTIONAL DRILLERS | | 4 | 24.00 | 96.00 |

## Rig Information

KB Elevation: 2798.00 ft KB To GL : 25.00 ft

Rig(s) for today : Scan Texas Rig Manager : ROCKY BRUMLEY Rig Phone : 432-400-2272

Date and Time of Rig Release : Days From Rig Release : 0.00 Rig Fax :

## Safety

Last BOP Test(F) Date : Last BOP Pressure : 0.000 psi Last Lot Fit : 0.00

Last Csg Date : Last Csg Pressure : 0.000 psi Last Spills Reported :

Last BOP Drill Date : Last Test MW : 0.00 Last Accidents :

Last Fire Drill : Last Test TVD : 0.00 ft Last Safety Meeting : 3/16/2018 06:15

Last Evac Drill : Last Test Pressure : 0.000 psi Last Safety Meeting Topic : PU BHA / SPUD 17 1/2 HOLE

## Contacts

Day Sup. : NICK NEWLAND Phone : 405-761-3414 Superintendent : SANTOS MOROLES Phone : 432-559-4901

# Daily Drilling Report P2

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 6 Report Date : 3/16/2018

## Operations

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

## Mud Data

Mud Engineer : CLAY RICH Mud Type : Water Base Mud Polymer Type :

| Chk | Time | Depth (ft) | Density (lbs/gal) | FV (s/qt) | YP (lbs/100 ft²) | PV (cP) | WL (cc/30 min) | Cl (ppm) | Electro Static Stability | Oil Ratio | H2O Ratio | HTHP Water Loss(cc/30 min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:00 | 1.00 | 8.70000 | 29.00 | 1 | 1.00 | 100.0 | 7800 | 0.0 | 0 | 100 | 0.0 |

## Bit Data

| Bit # | Run # | Size (in) | Mfg. | Model | IADC Code | Daily Drilled (ft) | Daily Hours | Daily ROP (ft/hr) | Cum Drilled (ft) | Cum Hrs. | Avg. ROP (ft/hr) | Depth In (ft) | Depth Out (ft) | Max WOB (M Lbs) | PSI Drop (psi) | Nozzle Velocity (ft/s) | HHP (HP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 | 1 | 17.500 | ULTERRA | CF616 | S423 | 46.00 | 5.00 | 9.20 | 46.00 | 5.00 | 9.20 | 146.00 | 192.00 | 5.000 | 93.085 | 109.38 | 21.61 |

## BHA Data

For Bit # : 01 Mud Motor : Total Made : 46 ft

Total BHA Hours : 5.0 Total Hours : 5.00

BHA # : 01 DC OD : 8.000 in DP OD : 5.000 in BHA Length : 278.09 ft BHA Weight 0.00 M Lbs

| Item | Jts | Length (ft) | OD (in) | ID (in) | Coupling OD (in) | Weight (lbs/ft) | Thread Type | Pin/Box |
|---|---|---|---|---|---|---|---|---|
| BITS | 1 | 1.50 | 0.000 | 0.000 | 0.000 | 0.000 | 6 5/8 | Pin |
| MUD MOTOR | 1 | 27.93 | 7.760 | 0.000 | 0.000 | 0.000 | 6 5/8 | Box |
| SHOCK SUB | 1 | 11.47 | 7.960 | 3.250 | 0.000 | 0.000 | 6 5/8 | Box |
| NON- MAG COLLAR | 1 | 11.31 | 8.110 | 3.170 | 0.000 | 0.000 | 6 5/8 | Box |
| SUBS | 1 | 1.63 | 8.010 | 3.250 | 0.000 | 0.000 | 6 5/8 | Box |
| SUBS | 1 | 3.72 | 8.210 | 0.000 | 0.000 | 0.000 | 6 5/8 | Box |
| SUBS | 1 | 8.52 | 8.230 | 0.000 | 0.000 | 0.000 | 6 5/8 | Box |
| SUBS | 1 | 3.56 | 8.150 | 0.000 | 0.000 | 0.000 | 6 5/8 | Box |
| NON- MAG COLLAR | 1 | 28.96 | 8.000 | 3.250 | 0.000 | 0.000 | 6 5/8 | Box |
| COLLARS | 1 | 177.31 | 8.000 | 2.750 | 0.000 | 0.000 | 6 5/8 | Box |
| CROSSOVER SUB | 1 | 2.18 | 7.790 | 3.000 | 0.000 | 0.000 | 6 5/8 | Box |

## Drilling Parameters

| Bit # | Run # | Depth (ft) | WOB (M Lbs) | RPM | | GPM | Torque | | String Weight | | | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Motor | Rotary | | On Bom (ft lbf) | Off Bom (ft lbf) | Pick Up (lbs) | Stack Off (lbs) | Rotate (lbs) | On Bom (psi) | Off Bom (psi) | Diff Press. (psi) |
| 01 | 1 | 192.00 | 5.000 | 64 | 34 | 400 | 2000.00 | 0.00 | 35 | 35 | 35 | 300.0 | 250.0 | 50.0 |

## Pump Data

| Bit # | Pump 1 | | | | | Pump 2 | | | | | Pump Pressure (psi) | AV DC (ft/min) | AV DP (ft/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | | | |
| 01 | BOMCO 1600 | 12.000 | 6.000 | 95 | 397.721 | BOMCO 1600 | 12.000 | 6.000 | 0 | 0.000 | 300.00 | 40 | 35 |

## Reduced Speed Pumps

| Depth(ft) | Pump 1 | | | Pump 2 | | |
|---|---|---|---|---|---|---|
| | Model | Pressure (psi) | SPM | Model | Pressure (psi) | SPM |

# Daily Drilling Report P3

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 6 Report Date : 3/16/2018

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

**Drill Bottom Hole Targets**

| Bottom Hole Location | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Survey Data**

| Depth (ft) | Deviation | Azimuth | TVD (ft) | N/S | N/S (ft) | E/W | E/W (ft) | Vertical Section (ft) | Dog Leg |
|---|---|---|---|---|---|---|---|---|---|

**Hook Loads**

| | | |
|---|---|---|
| Up : | 35 | |
| Down : | 35 | |
| Rotating : | 35 | |
| Torque : | 0 | Amps |
| Torque : | 2000.00 | ft lbf |

**Comments**

UL 20 STRIPES 38-47-601H RIG MOBILIZATION BEGAN: 3/11/18 @ 13:00HRS.
RIG ON DAYRATE @ 04:30 HRS, 03/16/2018
SPUD WELL @ 1900 HRS, 03-16-18
(108 HR. RIG MOVE)
RELEASED RIG OFF OF PEGASUS 23-35-16#251H ON 03/11/18 @ 13:00 HRS .

NOTIFIED TRRC: SPUD/SURFACE: 03/15/17,10 AM, MICHELLE, JOB #123292
NOTIFIED TRRC: INTERMENT-XXXXX
NOTIFIED TRRC: 2ND INTERMEDIATE: XXXXX
NOTIFIED TRRC: PRODUCTION: XXXX

RESUMED DRILLING OPERATIONAL HRS. = 5 ( .20 DAYS)

RIVERBOAT 33-71 602H 11-27-17: INSPECT 370 OF 372 JOINTS OF SCAN RIG PIPE BY RED RIVER TO DS1 CAT-4 PLUS UTEA, HAVE 368 JTS PREMIUM READY(1 JT CLASS 5 RED BAND (CRACKED) 1 JT CLASS 2 YELLOW BAND) 3 CONNECTIONS NEED SHOPPED. ALSO ALL PIPE NEEDS REHARDBANDING, WILL DO HALF OF STRING THIS WELL & THE OTHER ON NEXT WELL. (RECIEVED REPAIRED JOINTS FROM SHOP, REPLACED BAD JOINTS, TOTAL SCAN DP COUNT ON SPECTRE STATE 54-4 801H (372 PREMIUM JOINTS).

DAYS SINCE LAST LTA: (1245 DAYS ): LAST OSHA RECORDABLE INCIDENT: ( 482 )

CREW SHORTAGES ( LAST 24HRS / TOTAL HRS ): 0 / 0
CREW DOUBLES (LAST 24 HRS / TOTAL HRS): 0 / 0
NON PRODUCTIVE TIME (LAST 24HRS / TOTAL HRS): 0 HRS. / 0 HRS.
RIG DOWNTIME CODE 8: (LAST 24 HRS / TOTAL HRS ON WELL) – 0 HRS / 0 HRS

20" CONDUCTER SET @ 145'
13 3/8" SURFACE: SET @
10 3/4" 1 INTERMEDIATE: SET @
7 5/8" 2 INTERMEDIATE SET @
5 1/2" PRODUCTION: SET @

OBM LOST TO WELL (LAST 24 HRS / TOTAL BBLS): XX BBLS / XXXX BBLS
OBM LOST BEHIND CASING: 0 BBLS

OBM LOST: 35 BBLS TO FORMATION// TOTAL=XXX BBLS
OBM LOST: 0 BBLS TO CUTTINGS // TOTAL= XXX BBLS
OBM LOST: XX BBLS// TOTAL = XXX BBLS TO CLEANING PITS,DISCHARGE OVER SHAKERS, LOST ON DISPLACEMENT, SURFACE LOSSES, CENTRIFUGE LOSSES
ADDITIONS- XXX BBL RECIEVED FROM KERMIT ON 3/XX/18// OTHER ADDITIONS XX BBL
OBM RECOVERED FROM NOV DRYER SHAKERS -0 BBL/ 0 BBLS RECOVERED TO DATE.
STARTING OBM VOLUME: XXXX BBLS TOTAL VOLUME: XXXX BBLS
TRANSFERRED OUT 0 BBLS

STARTING RIG FUEL: RIG = 1754 GALS TRANSFERED FROM PEGUSAS 23-35-16 #251 0 GALS OBM DIESEL, 0 GALS AUX. DIESEL

DIESEL USAGE:
RIG FUEL ( DAILY/TOTAL ): 546 / 1250 GALS
MUD DIESEL ( DAILY/TOTAL ): 0/000 GALS
AUXILIARY EQUIPMENT (DAILY/TOTAL): 38/ 232 GALS
CERTARUS CNG (DAILY/ TOTAL) 0 MCF / 0 TOTAL MCF

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ORIGINAL TARGET LINE - XXXX'

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***NO LEAKS OR SPILLS REPORTED OR OBSERVED***

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BHA #1: 17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 278.09' // BIT TO BEND 6.43' // BIT TO SURVEY 76' // BIT TO GAMMA 59' // DEPTH IN 146' // DEPTH OUT XXXX' // FTG. DRILLED XXXX' // TOTAL DRLG HRS. XX // TOTAL MTR HRS. XX // AVG R.O.P. XXXX FPH // REASON PULLED = TD GRADE = X-X-XX-X-X-XX-XX
NOTE: WILL RUN 30 JTS OF 5" HWDP ON TOP OF BHA

## Solids Removal

### Shakers

| Shaker # | Bottom | Middle | Top |
|---|---|---|---|

### Other Solids Removal Equipment

| Item | Hrs Run | Intake Density (lbs/gal) | Overflow Density (lbs/gal) | Underflow Density (lbs/gal) |
|---|---|---|---|---|

## Mud Log

Formation :
Background Gas :
Trip Calc :
Connection Gas :
Flare Length :

## Well Incident

Report # :
Incident Date :
Report Date :
Problem Name :

# Daily Drilling Report P1

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 7 Report Date : 3/17/2018

**Financials**

Daily Cost : $63,972 Cost to Date : $706,167

AFE # : PB18100002

AFE : $10,772,650 AFE Cost to Date : $706,167

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A Event Sub Type : Drilling Prod

A.M. Ops : RU CSG CREW, DRY FIT HANGER, R&C 13 3/8" CSG @ 437',CIRC 31 BBLS CMT TO SURF, RD CMTRS, PREP TO BACK OUT LANDING JT.

Ops Forecast : INSTALL 13 3/8" 5M X 13 5/8" 10M CSG HEAD ASSY, NU & TEST BOP, TEST CSG, PU 12 1/4" BHA

24hr. Summary : DRLD 17 1/2" SURF F/192' -T/300', TOH F/P-RATE, L/D MOTOR, RE-RUN BIT #1 WITHOUT MOTOR, DRLD F/300'- T/445' CP, CBU, TOH

Planning Status :

**Elevations**

GL 2773.00 ft Reserve Pit Freeboard : 0.00 ft

**Progress**

Days from Spud : 1 Progress : 253.00 ft MD at Report Time : 445.00 ft

Rig on Location (days) : 7 Est. TD : 21599.00 ft TVD At Report Time : 0.00 ft

**Event Dates**

| Spud Date | Spud Time | Suspended Drilling Date | Resume Drilling Date | Total Depth Date | Total Depth Time | Finished Drilling Date | Finished Drilling Time | Rig Released Date | Rig Released Time |
|---|---|---|---|---|---|---|---|---|---|
| 3/16/2018 | 19:00 | | | | | | | | |

**Time Breakdown**

Start Time : 00:00 Initial Depth : 0.00 ft Drilling Hours : 14.00 Total Drilling Hours : 19.00 Total Hours : 24.00 Time Code : TRIPPING -

Drilling % : 58.33 Rotating % : 100.00 Sliding % : 0.00

| Start Time | End Time | Hours | Phase | Activity | | NPT | Bit # | Run # | Depth (ft) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Time Code | Description | | | | | |
| 00:00 | 03:00 | 3.00 | DRLSUR | 02B | DRILLING - MTR/TURB - VERT | No | 01 | 1 | 220.00 | ROTATE DRILL 17 1/2" SURFACE F/ 192' - T/ 220' ( 28' @ 9.3 FPH ) WOB 5K, RPM 30/ 50, GPM 400, MRPM 64, SPP 300 PSI., DIFF 100 PSI., TQ. 2K, DRILLING DOWN FLOW LINE CIRCULATING CLOSED LOOP, MW 8.4 PPG 35 VIS |
| 03:00 | 05:00 | 2.00 | DRLSUR | 02B | DRILLING - MTR/TURB - VERT | No | 01 | 1 | 249.00 | ROTATE DRILL 17 1/2" SURFACE F/ 220' - T/ 249' ( 29' @ 14.5 FPH ) WOB 5K, RPM 30/ 50, GPM 400, MRPM 64, SPP 300 PSI., DIFF 100 PSI., TQ. 2K, DRILLING DOWN FLOW LINE CIRCULATING CLOSED LOOP, MW 8.4 PPG 35 VIS |
| 05:00 | 05:30 | 0.50 | DRLSUR | 10A | LUB RIG - DAILY SERVICE | No | 01 | 1 | 249.00 | RIG SERVICE |
| 05:30 | 09:00 | 3.50 | DRLSUR | 02B | DRILLING - MTR/TURB - VERT | No | 01 | 1 | 293.00 | ROTATE DRILL 17 1/2" SURFACE F/ 249' - T/ 293' ( 44' @ 12.5 FPH ) WOB 5K, RPM 50/ 20, GPM 400/ 500, MRPM 64/ 83, SPP 300/ 450 PSI., DIFF 100 PSI., TQ. 2/ 5K, DRILLING DOWN FLOW LINE CIRCULATING CLOSED LOOP, MW 8.4 PPG 35 VIS |
| 09:00 | 11:00 | 2.00 | DRLSUR | 02B | DRILLING - MTR/TURB - VERT | No | 01 | 1 | 300.00 | ROTATE DRILL 17 1/2" SURFACE F/ 293' - T/ 300' ( 7' @ 3.5 FPH ) WOB 5K, RPM 10, GPM 400, MRPM 64, SPP 450 PSI., DIFF 100 PSI., TQ. 2/ 5K, DRILLING DOWN FLOW LINE CIRCULATING CLOSED LOOP, MW 8.4 PPG 35 VIS |
| 11:00 | 13:00 | 2.00 | DRLSUR | 08A | TRIPPING - BIT/ BHA | No | 01 | 1 | 300.00 | TOH FOR BIT DO TO P- RATE, NO ISSUES TOH |
| 13:00 | 14:00 | 1.00 | DRLSUR | 08A | TRIPPING - BIT/ BHA | No | 01 | 1 | 300.00 | BREAK OFF BIT AND L/ D MOTOR, BIT GRADED 1-2-I- PR, WILL RE-RUN ON BHA # 2 |
| 14:00 | 15:00 | 1.00 | DRLSUR | 10A | LUB RIG - DAILY SERVICE | No | 01 | 1 | 300.00 | CALIBRATE BLOCKS, CHANGE OUT BROKEN GRABBER BOX PINS AND REMOVE WATER BOX ON DRAWWORKS TO BE REPAIRED. |
| 15:00 | 16:30 | 1.50 | DRLSUR | 08A | TRIPPING - BIT/ BHA | No | 01 | 2 | 300.00 | TIH WITH BIT # 1 ( RUN # 2) AS FOLLOWS: RE - RUN BIT # 1 - 17.5" ULTERRA CF616 SER# 39306 W/ 9 - 13'S TFA= 1.166 // 8" BIT SUB // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= ( LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6 - 8" DC' S // XO // = TOT. LGTH. = 253.16' // BIT TO SURVEY 48' // BIT TO GAMMA 31'. RAN ONE STAND SHUT DOWN TO REPLACE WATER BOX ON DRAWWORKS. |
| 16:30 | 18:00 | 1.50 | DRLSUR | 35V | TROUBLE - RIG FAILURE | Yes | 01 | 2 | 300.00 | SHUT DOWN REPAIR WATER BOX ON DRAWWORKS / W/ ITH OILWORKS. |
| 18:00 | 21:30 | 3.50 | DRLSUR | 02A | DRILLING - ROTARY - VERTICAL | No | 01 | 2 | 445.00 | ROTATE DRILL 17 1/2" SURFACE F/ 300' - T/ 445' ( 145' @ 48.3 FPH ) WOB 5/ 10K, RPM 75 - 85, GPM 419, SPP 250 PSI., TQ. 5K, DRILLING DOWN FLOW LINE CIRCULATING CLOSED LOOP, MW 8.4 PPG 35 VIS, TD SURFACE HOLE @ 445'. ( NOTE: ROTARY DRILLING PERFORMED BETTER, VERSE DRILLING WITH MOTOR IN THIS AREA, HAD LESS VIBRATION IMPACT ON RIG WITH BETTER ROP. MOTOR DRLG APPEARED TO HAVE A REVERSE AGITATOR EFFECT, WITH VIBRATION GOING UP THROUGH DRILL STRING AND NOT BEING ABLE TO MAINTAIN CONSTANT BIT WEIGHT FOR MAXIUM ROP) |
| 21:30 | 22:30 | 1.00 | CSGSUR | 07C | C & C MUD - PRIOR TO TRIP | No | 01 | 2 | 445.00 | DOWN LINK MWD TO TURN OFF EM, CIRC HIGH VIS SWEEP WITH 10 SXS CEDER FIBER AS FLUID CALIPER, CALCULATED HOLE VOLUME S/ S 1169 STKS SWEEP BACK @ 1180 STKS ( GAGED HOLE), PREP TO TOH TO RUN CSG. |
| 22:30 | 00:00 | 1.50 | CSGSUR | 08A | TRIPPING - BIT/ BHA | No | 01 | 2 | 445.00 | TOH WITH NO ISSUES, STAND DIRECTIONAL TOOLS BACK IN DERRICK, BREAK OFF BIT GRADED 1-2-NO-G-I- TD, READY |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | FLOOR TO RU CSG CREW AT REPORT |

**Personnel Hours**

| Vendor | Vendor Type | Number Of People | Hours On Site | Total Hours |
|---|---|---|---|---|
| NEWLAND CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| AES DRILLING FLUIDS LLC | MUD ENGINEER | 1 | 24.00 | 24.00 |
| SCANDRILL INC | RIG CREWS | 12 | 24.00 | 288.00 |
| SCANDRILL INC | TOOLPUSHER | 1 | 24.00 | 24.00 |
| CRESCENT CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| PHOENIX DIRECTIONAL DRILLERS | | 4 | 24.00 | 96.00 |
| INDUSTRIAL & OILFIELD SERVICES INC | | 1 | 24.00 | 24.00 |
| | CEMENTERS | 4 | 18.00 | 72.00 |
| BUTCH' S CASING CREW | CASING CREW | 4 | 14.00 | 56.00 |

**Rig Information**

| | | | | | |
|---|---|---|---|---|---|
| KB Elevation: | 2798.00 ft | KB To GL : | 25.00 ft | | |
| Rig(s) for today : | Scan Texas | Rig Manager : | ROCKY BRUMLEY | Rig Phone : | 432-400-2272 |
| Date and Time of Rig Release : | | Days From Rig Release : | 0.00 | Rig Fax : | |

**Safety**

| | | | | | |
|---|---|---|---|---|---|
| Last BOP Test(F) Date : | | Last BOP Pressure : | 0.000 psi | Last Lot Fit : | 0.00 |
| Last Csg Date : | | Last Csg Pressure : | 0.000 psi | Last Spills Reported : | |
| Last BOP Drill Date : | | Last Test MW : | 0.00 | Last Accidents : | |
| Last Fire Drill : | | Last Test TVD : | 0.00 ft | Last Safety Meeting : | 3/17/2018 08:20 |
| Last Evac Drill : | | Last Test Pressure : | 0.000 psi | Last Safety Meeting Topic : | DRILLING SURFACE |

**Contacts**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Day Sup. : | NICK NEWLAND | Phone : | 405-761-3414 | Superintendent : | SANTOS MOROLES | Phone : | 432-559-4901 |
| Night Sup. : | BRIAN EHRENBERG | Phone : | | Geologist : | ALBERT BONDURANT | Phone : | 205.568.5467 |
| Alt. Phone : | | | | Drill. Eng. : | BRANNON SMITH | Phone : | 432-818-1777 |

**Attachments**

| Daily Attachment Folder(s) | |
|---|---|

# Daily Drilling Report P2

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 7 Report Date : 3/17/2018

## Operations

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

## Mud Data

Mud Engineer : CLAY RICH Mud Type : Water Base Mud Polymer Type :

| Chk | Time | Depth (ft) | Density (lbs/gal) | FV (s/qt) | YP (lbs/100 ft²) | PV (cP) | WL (cc/30 min) | Cl (ppm) | Electro Static Stability | Oil Ratio | H2O Ratio | HTHP Water Loss(cc/30 min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:00 | 355.00 | 9.20000 | 30.00 | 1 | 1.00 | 100.0 | 7200 | 0.0 | 0 | 100 | 0.0 |

## Bit Data

| Bit # | Run # | Size (in) | Mfg. | Model | IADC Code | Daily Drilled (ft) | Daily Hours | Daily ROP (ft/hr) | Cum Drilled (ft) | Cum Hrs. | Avg. ROP (ft/hr) | Depth In (ft) | Depth Out (ft) | Max WOB (M Lbs) | PSI Drop (psi) | Nozzle Velocity (ft/s) | HHP (HP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 | 1 | 17.500 | ULTERRA | CF616 | S423 | 108.00 | 10.50 | 10.29 | 154.00 | 15.50 | 9.94 | 192.00 | 300.00 | 5.000 | 134.385 | 127.80 | 36.45 |
| 01 | 2 | 17.500 | ULTERRA | CF616 | S423 | 145.00 | 3.50 | 41.43 | 145.00 | 3.50 | 41.43 | 300.00 | 445.00 | 10.000 | 0.000 | 0.00 | 0.00 |

## BHA Data

For Bit # : 01 Mud Motor : Total Made : 108 ft

Total BHA Hours : 20.0 Total Hours : 10.50

BHA # : 01 DC OD : 8.000 in DP OD : 5.000 in BHA Length : 278.09 ft BHA Weight 0.00 M Lbs

| Item | Jts | Length (ft) | OD (in) | ID (in) | Coupling OD (in) | Weight (lbs/ft) | Thread Type | Pin/Box |
|---|---|---|---|---|---|---|---|---|
| BITS | 1 | 1.50 | 0.000 | 0.000 | 0.000 | 0.000 | 6 5/8 | Pin |
| MUD MOTOR | 1 | 27.93 | 7.760 | 0.000 | 0.000 | 0.000 | 6 5/8 | Box |
| SHOCK SUB | 1 | 11.47 | 7.960 | 3.250 | 0.000 | 0.000 | 6 5/8 | Box |
| NON- MAG COLLAR | 1 | 11.31 | 8.110 | 3.170 | 0.000 | 0.000 | 6 5/8 | Box |
| SUBS | 1 | 1.63 | 8.010 | 3.250 | 0.000 | 0.000 | 6 5/8 | Box |
| SUBS | 1 | 3.72 | 8.210 | 0.000 | 0.000 | 0.000 | 6 5/8 | Box |
| SUBS | 1 | 8.52 | 8.230 | 0.000 | 0.000 | 0.000 | 6 5/8 | Box |
| SUBS | 1 | 3.56 | 8.150 | 0.000 | 0.000 | 0.000 | 6 5/8 | Box |
| NON- MAG COLLAR | 1 | 28.96 | 8.000 | 3.250 | 0.000 | 0.000 | 6 5/8 | Box |
| COLLARS | 1 | 177.31 | 8.000 | 2.750 | 0.000 | 0.000 | 6 5/8 | Box |
| CROSSOVER SUB | 1 | 2.18 | 7.790 | 3.000 | 0.000 | 0.000 | 6 5/8 | Box |

## Drilling Parameters

| Bit # | Run # | Depth (ft) | WOB (M Lbs) | RPM | | GPM | Torque | | String Weight | | | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Motor | Rotary | | On Bom (ft lbf) | Off Bom (ft lbf) | Pick Up (lbs) | Stack Off (lbs) | Rotate (lbs) | On Bom (psi) | Off Bom (psi) | Diff Press. (psi) |
| 01 | 1 | 300.00 | 5.000 | 64 | 34 | 460 | 2000.00 | 0.00 | 45 | 40 | 35 | 375.0 | 375.0 | 0.0 |

## Pump Data

| Bit # | Pump 1 | | | | | Pump 2 | | | | | Pump Pressure (psi) | AV DC (ft/min) | AV DP (ft/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | | | |
| 01 | BOMCO 1600 | 12.000 | 6.000 | 111 | 464.705 | BOMCO 1600 | 12.000 | 6.000 | 0 | 0.000 | 375.00 | 47 | 40 |
| 01 | | 0.000 | 0.000 | 0 | 0.000 | | 0.000 | 0.000 | 0 | 0.000 | 0.00 | 0 | 0 |

## Reduced Speed Pumps

| Depth(ft) | Pump 1 | | | Pump 2 | | |
|---|---|---|---|---|---|---|
| | Model | Pressure (psi) | SPM | Model | Pressure (psi) | SPM |

# Daily Drilling Report P3

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 7 Report Date : 3/17/2018

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

**Drill Bottom Hole Targets**

| Bottom Hole Location | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Survey Data**

| Depth (ft) | Deviation | Azimuth | TVD (ft) | N/S | N/S (ft) | E/W | E/W (ft) | Vertical Section (ft) | Dog Leg |
|---|---|---|---|---|---|---|---|---|---|
| 215.00 | 0.38 | 40.0 | 215.00 | | 0.41 | | 0.67 | -0.20 | 0.10 |
| 306.00 | 0.64 | 61.3 | 305.99 | | 0.88 | | 1.31 | -0.48 | 0.28 |
| 398.00 | 1.04 | 64.1 | 397.98 | | 1.50 | | 2.51 | -0.73 | 0.43 |

**Hook Loads**

| | | |
|---|---|---|
| Up : | 0 | |
| Down : | 0 | |
| Rotating : | 0 | |
| Torque : | 0 | Amps |
| Torque : | 0.00 | ft lbf |

**Comments**

UL 20 STRIPES 38-47-601H RIG MOBILIZATION BEGAN: 3/11/18 @ 13:00HRS.
RIG ON DAYRATE @ 04:30 HRS, 03/16/2018
SPUD WELL @ 1900 HRS, 03-16-18
(108 HR. RIG MOVE)
RELEASED RIG OFF OF PEGASUS 23-35-16#251H ON 03/11/18 @ 13:00 HRS .

NOTIFIED TRRC: SPUD/SURFACE: 03/15/17,10 AM, MICHELLE, JOB #123292
NOTIFIED TRRC: INTERMENT-XXXXX
NOTIFIED TRRC: 2ND INTERMEDIATE: XXXXX
NOTIFIED TRRC: PRODUCTION: XXXX

RESUMED DRILLING OPERATIONAL HRS. = 29 ( 1.20 DAYS)

RIVERBOAT 33-71 602H 11-27-17: INSPECT 370 OF 372 JOINTS OF SCAN RIG PIPE BY RED RIVER TO DS1 CAT-4 PLUS UTEA, HAVE 368 JTS PREMIUM READY(1 JT CLASS 5 RED BAND (CRACKED) 1 JT CLASS 2 YELLOW BAND) 3 CONNECTIONS NEED SHOPPED. ALSO ALL PIPE NEEDS REHARDBANDING, WILL DO HALF OF STRING THIS WELL & THE OTHER ON NEXT WELL. (RECIEVED REPAIRED JOINTS FROM SHOP, REPLACED BAD JOINTS, TOTAL SCAN DP COUNT ON SPECTRE STATE 54-4 801H (372 PREMIUM JOINTS).

DAYS SINCE LAST LTA: (1246 DAYS ): LAST OSHA RECORDABLE INCIDENT: ( 483 )

CREW SHORTAGES ( LAST 24HRS / TOTAL HRS ): 0 / 0
CREW DOUBLES (LAST 24 HRS / TOTAL HRS): 0 / 0
NON PRODUCTIVE TIME (LAST 24HRS / TOTAL HRS): 1.5 HRS. / 1.5 HRS.
RIG DOWNTIME CODE 8: (LAST 24 HRS / TOTAL HRS ON WELL) – 1.5 HRS / 1.5 HRS
1.5 HRS CODE 8 ON 3/17/18 STRIPES 601H

20" CONDUCTER SET @ 146'
13 3/8" SURFACE: SET @
10 3/4" 1 INTERMEDIATE: SET @
7 5/8" 2 INTERMEDIATE SET @
5 1/2" PRODUCTION: SET @

OBM LOST TO WELL (LAST 24 HRS / TOTAL BBLS): XX BBLS / XXXX BBLS

OBM LOST BEHIND CASING: 0 BBLS
OBM LOST: 0 BBLS TO FORMATION// TOTAL=XXX BBLS
OBM LOST: 0 BBLS TO CUTTINGS // TOTAL= XXX BBLS
OBM LOST: XX BBLS// TOTAL = XXX BBLS TO CLEANING PITS,DISCHARGE OVER SHAKERS, LOST ON DISPLACEMENT, SURFACE LOSSES, CENTRIFUGE LOSSES
ADDITIONS- XXX BBL RECIEVED FROM KERMIT ON 3/XX/18// OTHER ADDITIONS XX BBL
OBM RECOVERED FROM NOV DRYER SHAKERS -0 BBL/ 0 BBLS RECOVERED TO DATE.
STARTING OBM VOLUME: XXXX BBLS TOTAL VOLUME: XXXX BBLS
TRANSFERRED OUT 0 BBLS

STARTING RIG FUEL: RIG = 1754 GALS TRANSFERED FROM PEGUSAS 23-35-16 #251 0 GALS OBM DIESEL, 0 GALS AUX. DIESEL

DIESEL USAGE:
RIG FUEL ( DAILY/TOTAL ): 694 / 1944 GALS
MUD DIESEL ( DAILY/TOTAL ): 0/000 GALS
AUXILIARY EQUIPMENT (DAILY/TOTAL): 0 / 232 GALS
CERTARUS CNG (DAILY/ TOTAL) 0 MCF / 0 TOTAL MCF

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ORIGINAL TARGET LINE - XXXX'

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***NO LEAKS OR SPILLS REPORTED OR OBSERVED***

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BHA #2: RE-RUN BIT #1-17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" BIT SUB // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 253.16' // BIT TO SURVEY 48' // BIT TO GAMMA 31' // DEPTH IN 300' // DEPTH OUT 445' // FTG. DRILLED 145' // TOTAL DRLG HRS. 3.5 // TOTAL MTR HRS. N/A // AVG R.O.P. 41.4 FPH // REASON PULLED = TD // BIT GRADE=1-2-NO-G-I-NO-TD

BHA #1: 17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 278.09' // BIT TO BEND 6.43' // BIT TO SURVEY 76' // BIT TO GAMMA 59' // DEPTH IN 146' // DEPTH OUT 300' // FTG. DRILLED 154' // TOTAL DRLG HRS. 15.5 // TOTAL MTR HRS. 18 // AVG R.O.P. 9.94 FPH // REASON PULLED = P-RATE // BIT GRADE = 1-2-NO-G-I-NO-PR

## Solids Removal

### Shakers

| Shaker # | Bottom | Middle | Top |
|---|---|---|---|

### Other Solids Removal Equipment

| Item | Hrs Run | Intake Density (lbs/gal) | Overflow Density (lbs/gal) | Underflow Density (lbs/gal) |
|---|---|---|---|---|

## Mud Log

Formation :
Background Gas :
Connection Gas :
Flare Length :
Trip Calc :

## Well Incident

Report # :
Incident Date :
Report Date :
Problem Name :

# Daily Drilling Report P1

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 8 Report Date : 3/18/2018

## Financials

Daily Cost : $121,954 Cost to Date : $828,029

AFE # : PB18100002

AFE : $10,772,650 AFE Cost to Date : $828,029

## Operations

Event Objective : Scan Texas D&C DB DEV WC A Event Sub Type : Drilling Prod

A.M. Ops : FINISH TESTING BOP AND CASING, INSTALL WEAR BUSHING, PU BHA #3

Ops Forecast : FINIISH P/U BHA, TIH TO TOC/ DRILL OUT SHOE TRACK/ DRILL 12-1/4" HOLE TOWARD +/- 4950' CP

24hr. Summary : R & C 13 3/8" 54.50# J-55 CSG @ 437'/CIRC 31 BBLS CMT/INSTALL WELL HEAD/NU & TEST BOP

Planning Status :

## Elevations

GL 2773.00 ft Reserve Pit Freeboard : 0.00 ft

## Progress

Days from Spud : 2 Progress : 0.00 ft MD at Report Time : 445.00 ft

Rig on Location (days) : 8 Est. TD : 21599.00 ft TVD At Report Time : 0.00 ft

## Event Dates

| Spud Date | Spud Time | Suspended Drilling Date | Resume Drilling Date | Total Depth Date | Total Depth Time | Finished Drilling Date | Finished Drilling Time | Rig Released Date | Rig Released Time |
|---|---|---|---|---|---|---|---|---|---|
| 3/16/2018 | 19:00 | | | | | | | | |

## Time Breakdown

Start Time : 00:00 Initial Depth : 0.00 ft Drilling Hours : 0.00 Total Drilling Hours : 19.00 Total Hours : 24.00 Time Code : TEST BOPI

Drilling % : 0.00 Rotating % : 0.00 Sliding % : 0.00

| Start Time | End Time | Hours | Phase | Activity | | NPT | Bit # | Run # | Depth (ft) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Time Code | Description | | | | | |
| 00:00 | 03:00 | 3.00 | CSGSUR | 15B | RUN CASING - CSG/ LNR/ TIEBACK | No | | | 445.00 | RU BUTCH' S CSG CREW, HOLD JSA WITH ALL PERSONNEL, MAKE UP 13 3/ 8" SHOE TRACK, PUMP THROUGH ( OK), RUN 13 3/ 8" 54. 50 J - 55/K - 55 BTC HC SMLS R3 VOLZHSKY CSG AS FOLLOWS: 13 3/ 8" ANTELOPE BTC ROUND NOSE GUIDE SHOE, 1 JOINT 13 3/ 8" 54. 50# BTC SHOE JT, 13 3/ 8" ANTELOPE ( SV) FLOAT COLLAR, 9 JOINTS 13 3/ 8" 54. 50# J - 55 BTC CSG, 1 SWECO 13 3/ 8" CSG HANGER ON 4" 13 3/ 8" PUP, 1 - 13 3/ 8" 54. 50# LANDING JOINT. CASING SET @ 437' WITH FLOAT COLLAR @ 394'. |
| 03:00 | 04:00 | 1.00 | CSGSUR | 07J | C & C MUD - C&C MUD - OTHER | No | | | 445.00 | INSTALL C & J ENERGY CMTG HEAD, CIRCULATE 1. 5 CSG VOLUME, R/ D CSG CREW. HOLD JSA WITH CMTG CREW, PREP TO CMT 13 3/ 8" CSG. |
| 04:00 | 05:00 | 1.00 | CSGSUR | 16B | CEMENTING - PRIMARY | No | | | 445.00 | CEMENT 13 3/ 8" CSG AS FOLLOWS: PUMP 20 BFW SPACER F/ B 455 SXS CL C W/ 2% CACL2 & 0. 75 GAL/ 100 SXS CF - 41L @ 14. 8 PPG ( 1. 35 YIELD), MIX & PUMP @ 3 - 5 BPM @ 420 - 250 PSI, SHUT DOWN, DROP WIPER PLUG, DISPLACE CMT WITH 61 BFW @ 5 - 3 BPM @ 145 - 251 PSI, BUMP PLUG @ 689 PSI, RELEASE PRESSURE, FLOAT HELD WITH 1/ 2 BBL BLEED BACK, CIRCULATED 31 BBLS CMT BACK TO SURFACE ( 130 SXS) |
| 05:00 | 05:30 | 0.50 | CSGSUR | 16A | CEMENTING - RU/RD EQUIPMENT | No | | | 445.00 | R/ D CMTG HEAD & EQUIPMENT |
| 05:30 | 11:00 | 5.50 | CSGSUR | 37C | WELLHEAD - OTHER | No | | | 445.00 | ATTEMPT TO BACK OUT LANDING JOINT, LANDING JOINT TURNING AS WELL AS HANGER MANDREL STARTED BACKING OUT TOO, CALLED FOR WELDER TO TACK MANDREL. START SETTTING OUT BOP EQUIPMENT WHILE WAITNG ON WELDER. TACK WELD MANDREL IN 2 SPOTS TO CONDUCTOR, BACKED OUT LANDING JOINT WITH NO ISSUES. INSTALLED 13 3/ 8" 5M X 13 5/ 8" 10M SWECO CSG HEAD ASSY, TIGHTEN 4 SET SCREWS AND TEST TO 500 PSI ( GOOD TEST) |
| 11:00 | 21:30 | 10.50 | CSGSUR | 21A | NU / ND BOPE - NU/ ND BOPE | No | | | 445.00 | HOLD JSA WITH MONAHANS NU CREW, START SETTING IN 13 5/ 8" 10M BOP , NU BOP, ROTATING HEAD, FLOW LINE, HYDRULIC HOSES, FUNCTION TEST THE SAME , HOOK UP TURN BUCKLES. |
| 21:30 | 00:00 | 2.50 | CSGSUR | 22A | TEST BOPE - TEST BOPE | No | | | 445.00 | TEST BOP' AND ALL FLOOR VALVES TO 250 PSI LOW, 5000K PSI HIGH , HYDRILL TO 250/ 2500K PSI, TEST MUD LINES BACK TO PUMPS TO 4000K PSI, PERFORM PUMP DOWN TEST ON ACCUMALATOR. |

## Personnel Hours

| Vendor | Vendor Type | Number Of People | Hours On Site | Total Hours |
|---|---|---|---|---|
| NEWLAND CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| AES DRILLING FLUIDS LLC | MUD ENGINEER | 1 | 24.00 | 24.00 |
| SCANDRILL INC | RIG CREWS | 12 | 24.00 | 288.00 |
| SCANDRILL INC | TOOLPUSHER | 1 | 24.00 | 24.00 |
| CRESCENT CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| PHOENIX DIRECTIONAL DRILLERS | | 4 | 24.00 | 96.00 |
| INDUSTRIAL & OILFIELD SERVICES INC | CONSULTANT | 1 | 24.00 | 24.00 |

| | | | | |
|---|---|---|---|---|
| | CEMENTERS | 4 | 5.00 | 20.00 |
| BUTCH' S CASING CREW | CASING CREW | 4 | 6.00 | 24.00 |

## Rig Information

| | | | | | |
|---|---|---|---|---|---|
| KB Elevation: | 2798.00 ft | KB To GL : | 25.00 ft | | |
| Rig(s) for today : | Scan Texas | Rig Manager : | ROCKY BRUMLEY | Rig Phone : | 432-400-2272 |
| Date and Time of Rig Release : | | Days From Rig Release : | 0.00 | Rig Fax : | |

## Safety

| | | | | | |
|---|---|---|---|---|---|
| Last BOP Test(F) Date : | | Last BOP Pressure : | 0.000 psi | Last Lot Fit : | 0.00 |
| Last Csg Date : | | Last Csg Pressure : | 0.000 psi | Last Spills Reported : | |
| Last BOP Drill Date : | | Last Test MW : | 0.00 | Last Accidents : | |
| Last Fire Drill : | | Last Test TVD : | 0.00 ft | Last Safety Meeting : | 3/18/2018 05:50 |
| Last Evac Drill : | | Last Test Pressure : | 0.000 psi | Last Safety Meeting Topic : | NU BOP |

## Contacts

| | | | | | |
|---|---|---|---|---|---|
| Day Sup. : | NICK NEWLAND | Phone : | 405-761-3414 | Superintendent : | SANTOS MOROLES | Phone : | 432-559-4901 |
| Night Sup. : | BRIAN EHRENBERG | Phone : | | Geologist : | ALBERT BONDURANT | Phone : | 205.568.5467 |
| Alt. Phone : | | | | Drill. Eng. : | BRANNON SMITH | Phone : | 432-818-1777 |

## Attachments

Daily Attachment Folder(s)

# Daily Drilling Report P2

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 8 Report Date : 3/18/2018

## Operations

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

## Mud Data

Mud Engineer : CLAY RICH Mud Type : Water Base Mud Polymer Type :

| Chk | Time | Depth (ft) | Density (lbs/gal) | FV (s/qt) | YP (lbs/100 ft²) | PV (cP) | WL (cc/30 min) | Cl (ppm) | Electro Static Stability | Oil Ratio | H2O Ratio | HTHP Water Loss(cc/30 min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13:01 | 445.00 | 9.20000 | 31.00 | 1 | 1.00 | 100.0 | 7000 | 0.0 | 0 | 0 | 0.0 |

## Bit Data

| Bit # | Run # | Size (in) | Mfg. | Model | IADC Code | Daily Drilled (ft) | Daily Hours | Daily ROP (ft/hr) | Cum Drilled (ft) | Cum Hrs. | Avg. ROP (ft/hr) | Depth In (ft) | Depth Out (ft) | Max WOB (M Lbs) | PSI Drop (psi) | Nozzle Velocity (ft/s) | HHP (HP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 02 | 1 | 12.250 | SMITH | XS716 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 445.00 | 445.00 | 0.000 | 0.000 | 0.00 | 0.00 |

## BHA Data

For Bit # : 02 Mud Motor : Total Made : 0 ft

Total BHA Hours : 21.0 Total Hours : 0.00

BHA # : 03 DC OD : 8.000 in DP OD : 5.000 in BHA Length : 370.23 ft BHA Weight 0.00 M Lbs

| Item | Jts | Length (ft) | OD (in) | ID (in) | Coupling OD (in) | Weight (lbs/ft) | Thread Type | Pin/Box |
|---|---|---|---|---|---|---|---|---|
| BITS | 1 | 1.00 | 12.250 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Pin |
| MUD MOTOR | 1 | 27.93 | 7.760 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Box |
| STABILIZERS | 1 | 5.66 | 11.250 | 2.750 | 0.000 | 0.000 | 6 5/8 REG | Box |
| NON- MAG COLLAR | 1 | 11.31 | 8.110 | 3.170 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 1.63 | 8.010 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 3.72 | 8.210 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 8.52 | 8.230 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 3.56 | 8.150 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Box |
| NON- MAG COLLAR | 1 | 28.96 | 8.000 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| STABILIZERS | 1 | 7.00 | 11.240 | 2.630 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 2.18 | 7.790 | 3.000 | 0.000 | 0.000 | 6 5/8 REG | Box |
| DRILL COLLAR | 9 | 268.76 | 8.000 | 2.750 | 0.000 | 0.000 | 6 5/8 REG | Box |

## Drilling Parameters

| Bit # | Run # | Depth (ft) | WOB (M Lbs) | RPM | | GPM | Torque | | String Weight | | | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Motor | Rotary | | On Bom (ft lbf) | Off Bom (ft lbf) | Pick Up (lbs) | Stack Off (lbs) | Rotate (lbs) | On Bom (psi) | Off Bom (psi) | Diff Press. (psi) |
| 02 | 1 | 0.00 | 0.000 | 0 | 0 | 0 | 0.00 | 0.00 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |

## Pump Data

| Bit # | Pump 1 | | | | | Pump 2 | | | | | Pump Pressure (psi) | AV DC (ft/min) | AV DP (ft/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | | | |
| 02 | BOMCO 1600 | 12.000 | 6.000 | 0 | 0.000 | BOMCO 1600 | 12.000 | 6.000 | 0 | 0.000 | 0.00 | 0 | 0 |

## Reduced Speed Pumps

| Depth(ft) | Pump 1 | | | Pump 2 | | |
|---|---|---|---|---|---|---|
| | Model | Pressure (psi) | SPM | Model | Pressure (psi) | SPM |

# Daily Drilling Report P3

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 8 Report Date : 3/18/2018

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

**Drill Bottom Hole Targets**

| Bottom Hole Location | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Survey Data**

| Depth (ft) | Deviation | Azimuth | TVD (ft) | N/S | N/S (ft) | E/W | E/W (ft) | Vertical Section (ft) | Dog Leg |
|---|---|---|---|---|---|---|---|---|---|

**Hook Loads**

| | | |
|---|---|---|
| Up : | 0 | |
| Down : | 0 | |
| Rotating : | 0 | |
| Torque : | 0 | Amps |
| Torque : | 0.00 | ft lbf |

**Comments**

UL 20 STRIPES 38-47-601H RIG MOBILIZATION BEGAN: 3/11/18 @ 13:00HRS.
RIG ON DAYRATE @ 04:30 HRS, 03/16/2018
SPUD WELL @ 1900 HRS, 03-16-18
(108 HR. RIG MOVE)
RELEASED RIG OFF OF PEGASUS 23-35-16#251H ON 03/11/18 @ 13:00 HRS .

NOTIFIED TRRC: SPUD/SURFACE: 03/15/17,10 AM, MICHELLE, JOB #123292
NOTIFIED TRRC: INTERMENT-XXXXX
NOTIFIED TRRC: 2ND INTERMEDIATE: XXXXX
NOTIFIED TRRC: PRODUCTION: XXXX

RESUMED DRILLING OPERATIONAL HRS. = 53 ( 2.20 DAYS)

RIVERBOAT 33-71 602H 11-27-17: INSPECT 370 OF 372 JOINTS OF SCAN RIG PIPE BY RED RIVER TO DS1 CAT-4 PLUS UTEA, HAVE 368 JTS PREMIUM READY(1 JT CLASS 5 RED BAND (CRACKED) 1 JT CLASS 2 YELLOW BAND) 3 CONNECTIONS NEED SHOPPED. ALSO ALL PIPE NEEDS REHARDBANDING, WILL DO HALF OF STRING THIS WELL & THE OTHER ON NEXT WELL. (RECIEVED REPAIRED JOINTS FROM SHOP, REPLACED BAD JOINTS, TOTAL SCAN DP COUNT ON SPECTRE STATE 54-4 801H (372 PREMIUM JOINTS).

DAYS SINCE LAST LTA: (1247 DAYS ): LAST OSHA RECORDABLE INCIDENT: ( 484 )

CREW SHORTAGES ( LAST 24HRS / TOTAL HRS ): 0 / 0
CREW DOUBLES (LAST 24 HRS / TOTAL HRS): 0 / 0
NON PRODUCTIVE TIME (LAST 24HRS / TOTAL HRS): 0 HRS. / 1.5 HRS.
RIG DOWNTIME CODE 8: (LAST 24 HRS / TOTAL HRS ON WELL) – 0 HRS / 1.5 HRS
1.5 HRS CODE 8 ON 3/17/18 STRIPES 601H

20" CONDUCTER SET @ 146'
13 3/8" SURFACE: SET @ 437' W/FC @ 394' CIRC 31 BBLS CMT
10 3/4" 1 INTERMEDIATE: SET @
7 5/8" 2 INTERMEDIATE SET @
5 1/2" PRODUCTION: SET @

OBM LOST TO WELL (LAST 24 HRS / TOTAL BBLS): XX BBLS / XXXX BBLS

OBM LOST BEHIND CASING: 0 BBLS
OBM LOST: 0 BBLS TO FORMATION// TOTAL=XXX BBLS
OBM LOST: 0 BBLS TO CUTTINGS // TOTAL= XXX BBLS
OBM LOST: XX BBLS// TOTAL = XXX BBLS TO CLEANING PITS,DISCHARGE OVER SHAKERS, LOST ON DISPLACEMENT, SURFACE LOSSES, CENTRIFUGE LOSSES
ADDITIONS- XXX BBL RECIEVED FROM KERMIT ON 3/XX/18// OTHER ADDITIONS XX BBL
OBM RECOVERED FROM NOV DRYER SHAKERS -0 BBL/ 0 BBLS RECOVERED TO DATE.
STARTING OBM VOLUME: XXXX BBLS TOTAL VOLUME: XXXX BBLS
TRANSFERRED OUT 0 BBLS

STARTING RIG FUEL: RIG = 1754 GALS TRANSFERED FROM PEGUSAS 23-35-16 #251 0 GALS OBM DIESEL, 0 GALS AUX. DIESEL

DIESEL USAGE:
RIG FUEL ( DAILY/TOTAL ): 533 / 2477 GALS
MUD DIESEL ( DAILY/TOTAL ): 0/000 GALS
AUXILIARY EQUIPMENT (DAILY/TOTAL): 0 / 232 GALS
CERTARUS CNG (DAILY/ TOTAL) 0 MCF / 0 TOTAL MCF

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ORIGINAL TARGET LINE - XXXX'

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***NO LEAKS OR SPILLS REPORTED OR OBSERVED***

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BHA #2: RE-RUN BIT #1-17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" BIT SUB // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 253.16' // BIT TO SURVEY 48' // BIT TO GAMMA 31' // DEPTH IN 300' // DEPTH OUT 445' // FTG. DRILLED 145' // TOTAL DRLG HRS. 3.5 // TOTAL MTR HRS. N/A // AVG R.O.P. 41.4 FPH // REASON PULLED = TD // BIT GRADE=1-2-NO-G-I-NO-TD

BHA #1: 17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 278.09' // BIT TO BEND 6.43' // BIT TO SURVEY 76' // BIT TO GAMMA 59' // DEPTH IN 146' // DEPTH OUT 300' // FTG. DRILLED 154' // TOTAL DRLG HRS. 15.5 // TOTAL MTR HRS. 18 // AVG R.O.P. 9.94 FPH // REASON PULLED = P-RATE // BIT GRADE = 1-2-NO-G-I-NO-PR

## Solids Removal

### Shakers

| Shaker # | Bottom | Middle | Top |
|---|---|---|---|

### Other Solids Removal Equipment

| Item | Hrs Run | Intake Density (lbs/gal) | Overflow Density (lbs/gal) | Underflow Density (lbs/gal) |
|---|---|---|---|---|

## Mud Log

Formation :
Background Gas :
Connection Gas :
Flare Length :
Trip Calc :

## Well Incident

Report # :
Incident Date :
Report Date :
Problem Name :

# Daily Drilling Report P1

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 9 Report Date : 3/19/2018

**Financials**

Daily Cost : $44,545 Cost to Date : $872,574

AFE # : PB18100002

AFE : $10,772,650 AFE Cost to Date : $872,574

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A Event Sub Type : Drilling Prod

A.M. Ops : DRILL 12-1/4" INTERM F/1474' - T/2130' (656' @ 131 FPH) MW 9.9 PPG

Ops Forecast : DRILL 12-1/4" INTERM 1 TOWARD +/- 4950' CP

24hr. Summary : PU BHA #3, TAG TOC @ 384 (10'), DRLD CMT & SHOE TRACK, DRLG NEW FORMATION @ 445', DRLD F/445' -T/1474' (1029' @ 73.5FPH) MW 9.9 PPG

Planning Status :

**Elevations**

GL 2773.00 ft Reserve Pit Freeboard : 0.00 ft

**Progress**

Days from Spud : 3 Progress : 1029.00 ft MD at Report Time : 1474.00 ft

Rig on Location (days) : 9 Est. TD : 21599.00 ft TVD At Report Time : 1417.83 ft

**Event Dates**

| Spud Date | Spud Time | Suspended Drilling Date | Resume Drilling Date | Total Depth Date | Total Depth Time | Finished Drilling Date | Finished Drilling Time | Rig Released Date | Rig Released Time |
|---|---|---|---|---|---|---|---|---|---|
| 3/16/2018 | 19:00 | | | | | | | | |

**Time Breakdown**

Start Time : 00:00 Initial Depth : 0.00 ft Drilling Hours : 15.50 Total Drilling Hours : 34.50 Total Hours : 24.00 Time Code : DRILLING -

Drilling % : 64.58 Rotating % : 96.77 Sliding % : 3.23

| Start Time | End Time | Hours | Phase | Activity | | NPT | Bit # | Run # | Depth (ft) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Time Code | Description | | | | | |
| 00:00 | 02:00 | 2.00 | CSGSUR | 22A | TEST BOPE - TEST BOPE | No | | | 445.00 | FINISHED TESTING BOP' AND ALL FLOOR VALVES TO 250 PSI LOW, 5000K PSI HIGH , HYDRILL TO 250/ 2500K PSI, TEST MUD LINES BACK TO PUMPS TO 4000K PSI, PERFORM PUMP DOWN TEST ON ACCUMALATOR |
| 02:00 | 02:30 | 0.50 | CSGSUR | 23A | TESTING - CASING PRESSURE TEST | No | | | 445.00 | TEST CASING 250- PSI |
| 02:30 | 03:30 | 1.00 | CSGSUR | 39A | OTHER - OTHER | No | | | 445.00 | INSTALL WEAR BUSHING. CENTER STACK, HOOK UP KILLLINE, READY FLOOR TO P/ U BHA |
| 03:30 | 06:30 | 3.00 | CSGSUR | 08I | TRIPPING - TRIPPING - OTHER | No | 02 | 1 | 445.00 | P/ U BHA # 3 AS FOLLOWS; BIT # 2 - 12. 250" SMITH XS716S SER# ED1338 W/ 2 - 14' S & 5 X 15' S TFA= 1. 163 // 8" PHOENIX/ NOV ADJ. W/ 17" NB STAB. MUD MOTOR SET @ 1. 83° ( 7/ 8 LOBE, 4 STG., . 166 REV/ GAL ) // 11. 25 OD IBS // 8" NMPC // XO // VELOCITY= ( LANDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11. 25 OD IBS // 9 - 8" DC' S // XO // = TOT. LGTH. = 370. 23' // BIT TO BEND 6. 43 // BIT TO SURVEY 57' // BIT TO GAMMA 52. 81'. SCRIBED MOTOR, TIH TO TOC @ 384' |
| 06:30 | 08:00 | 1.50 | CSGSUR | 39A | OTHER - OTHER | No | 02 | 1 | 445.00 | PUMPED THROUGH DIVERTER LINE FOUND PLUGGED WITH CEMENT, CLEAN OUT SAME., PUMP THROUGH , OK |
| 08:00 | 09:30 | 1.50 | CSGSUR | 02F | DRILLING - CMNT IN CASING/ SHOE | No | 02 | 1 | 445.00 | DRILLED 10" CEMENT TO FC @ 394', DRLD SHOE TRACK F/ 394' - T/ 437' , DRILD 9' CMT TO 445', ( FIRM TO HARD CMT) DRLG NEW FORMATION |
| 09:30 | 12:30 | 3.00 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 02 | 1 | 556.00 | ROTATE DRILL 12 1/ 4" INTERM 1: F/ 445' - T/ 556' ( 111' @ 37 FPH ) WOB 10/ 20K, RPM 45, GPM 452, MRPM 75, SPP 450/ 500 PSI., DIFF 250/ 300 PSI., TQ. 5K, DRILLING DOWN FLOW LINE CIRCULATING CLOSED LOOP, MW 9 PPG 30 VIS |
| 12:30 | 15:30 | 3.00 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 02 | 1 | 739.00 | ROTATE DRILL 12 1/ 4" INTERM 1: F/ 556' - T/ 739' ( 183' @ 61 FPH ) WOB 10/ 20K, RPM 45, GPM 452, MRPM 75, SPP 450/ 500 PSI., DIFF 250/ 300 PSI., TQ. 5K, DRILLING DOWN FLOW LINE CIRCULATING CLOSED LOOP, MW 9 PPG 30 VIS |
| 15:30 | 17:00 | 1.50 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 02 | 1 | 826.00 | ROTATE DRILL 12 1/ 4" INTERM 1: F/ 739' - T/ 826' ( 87' @ 58 FPH ) WOB 10/ 20K, RPM 80, GPM 695, MRPM 111, SPP 850/ 1100 PSI., DIFF 250/ 300 PSI., TQ. 6K, DRILLING DOWN FLOW LINE CIRCULATING CLOSED LOOP, MW 9 PPG 30 VIS |
| 17:00 | 17:30 | 0.50 | DRLIN1 | 02M | DRILLING - DRILLING - SLIDING | No | 02 | 1 | 841.00 | SLIDE 12 1/ 4 INTERM 1: F/ 826' - 841'( 15' @ 5' FPH ) WOB 25/ 30K, MTF 225, GPM 695, MRPM 111, SPP 850/ 1200, DIFF 250, TQ 6K, DRLG DOWN FLOWLINE, CIRC CLOSE LOOP. |
| 17:30 | 21:00 | 3.50 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 02 | 1 | 856.00 | ROTATE DRILL 12 1/ 4" INTERM 1: F/ 841' - T/ 1169' ( 328' @ 93. 7 FPH ) WOB 20/ 25K, RPM 80, GPM 695, MRPM 111, SPP 850/ 1100 PSI., DIFF 250/ 300 PSI., TQ. 6K, DRILLING DOWN FLOW LINE CIRCULATING CLOSED LOOP, MW 9 PPG 30 VIS |
| 21:00 | 22:00 | 1.00 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 02 | 1 | 1286.00 | ROTATE DRILL 12 1/ 4" INTERM 1: F/ 1169' - T/ 1286' ( 117' @ 117 FPH ) WOB 20/ 25K, RPM 80, GPM 695, MRPM 111, SPP 1100/ 1370 PSI., DIFF 250/ 300 PSI., TQ. 6K, DRILLING DOWN FLOW LINE CIRCULATING CLOSED LOOP, MW 9 PPG 30 VIS |
| 22:00 | 22:30 | 0.50 | DRLIN1 | 39A | OTHER - OTHER | No | 02 | 1 | 1286.00 | INSTALL ROTATING HEAD |
| 22:30 | 00:00 | 1.50 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 02 | 1 | 1474.00 | ROTATE DRILL 12 1/ 4" INTERM 1: F/ 1286' - T/ 1474' ( 188' @ 125' FPH ) WOB 15/ 20K, RPM 80, GPM 695, MRPM 111, SPP 1100/ 1370 PSI., DIFF 250/ 300 PSI., TQ. 6K, DRILLING DOWN FLOW LINE CIRCULATING CLOSED LOOP, MW 9 PPG 30 VIS |

**Personnel Hours**

| Vendor | Vendor Type | Number Of People | Hours On Site | Total Hours |
|---|---|---|---|---|
| NEWLAND CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| AES DRILLING FLUIDS LLC | MUD ENGINEER | 1 | 24.00 | 24.00 |
| SCANDRILL INC | RIG CREWS | 12 | 24.00 | 288.00 |
| SCANDRILL INC | TOOLPUSHER | 1 | 24.00 | 24.00 |
| CRESCENT CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| PHOENIX DIRECTIONAL DRILLERS | | 4 | 24.00 | 96.00 |
| INDUSTRIAL & OILFIELD SERVICES INC | CONSULTANT | 1 | 24.00 | 24.00 |

**Rig Information**

| | | | | | |
|---|---|---|---|---|---|
| KB Elevation: | 2798.00 ft | KB To GL : | 25.00 ft | | |
| Rig(s) for today : | Scan Texas | Rig Manager : | ROCKY BROUMLEY | Rig Phone : | 432-400-2272 |
| Date and Time of Rig Release : | | Days From Rig Release : | 0.00 | Rig Fax : | |

**Safety**

| | | | | | |
|---|---|---|---|---|---|
| Last BOP Test(F) Date : | 3/18/2018 | Last BOP Pressure : | 5000.000 psi | Last Lot Fit : | 0.00 |
| Last Csg Date : | 3/18/2018 | Last Csg Pressure : | 250.000 psi | Last Spills Reported : | |
| Last BOP Drill Date : | | Last Test MW : | 0.00 | Last Accidents : | |
| Last Fire Drill : | | Last Test TVD : | 0.00 ft | Last Safety Meeting : | 3/19/2018 12:18 |
| Last Evac Drill : | | Last Test Pressure : | 0.000 psi | Last Safety Meeting Topic : | LASTS DAY CREW CHANGE |

**Contacts**

| | | | | | |
|---|---|---|---|---|---|
| Day Sup. : | NICK NEWLAND | Phone : | 405-761-3414 | Superintendent : | SANTOS MOROLES | Phone : | 432-559-4901 |
| Night Sup. : | BRIAN EHRENBERG | Phone : | | Geologist : | ALBERT BONDURANT | Phone : | 205.568.5467 |
| Alt. Phone : | | | | Drill. Eng. : | BRANNON SMITH | Phone : | 432-818-1777 |

**Attachments**

| Daily Attachment Folder(s) |
|---|
| |

# Daily Drilling Report P2

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 9 Report Date : 3/19/2018

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

**Mud Data**

Mud Engineer : CLAY RICH Mud Type : Water Base Mud Polymer Type :

| Chk | Time | Depth (ft) | Density (lbs/gal) | FV (s/qt) | YP (lbs/100 ft²) | PV (cP) | WL (cc/30 min) | Cl (ppm) | Electro Static Stability | Oil Ratio | H2O Ratio | HTHP Water Loss(cc/30 min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:00 | 1041.0 | 9.60000 | 35.00 | 2 | 1.00 | 100.0 | 8900 | 0.0 | 0 | 100 | 0.0 |

**Bit Data**

| Bit # | Run # | Size (in) | Mfg. | Model | IADC Code | Daily Drilled (ft) | Daily Hours | Daily ROP (ft/hr) | Cum Drilled (ft) | Cum Hrs. | Avg. ROP (ft/hr) | Depth In (ft) | Depth Out (ft) | Max WOB (M Lbs) | PSI Drop (psi) | Nozzle Velocity (ft/s) | HHP (HP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 02 | 1 | 12.250 | SMITH | XS716 | | 1029.0 | 15.50 | 66.39 | 1029.00 | 15.50 | 66.39 | 445.00 | 1474.00 | 25.000 | 307.724 | 189.32 | 123.3 |

**BHA Data**

For Bit # : 02 Mud Motor : Total Made : 1029 ft

Total BHA Hours : 36.5 Total Hours : 15.50

BHA # : 03 DC OD : 8.000 in DP OD : 5.000 in BHA Length : 370.23 ft BHA Weight 0.00 M Lbs

| Item | Jts | Length (ft) | OD (in) | ID (in) | Coupling OD (in) | Weight (lbs/ft) | Thread Type | Pin/Box |
|---|---|---|---|---|---|---|---|---|
| BITS | 1 | 1.00 | 12.250 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Pin |
| MUD MOTOR | 1 | 27.93 | 7.760 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Box |
| STABILIZERS | 1 | 5.66 | 11.250 | 2.750 | 0.000 | 0.000 | 6 5/8 REG | Box |
| NON- MAG COLLAR | 1 | 11.31 | 8.110 | 3.170 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 1.63 | 8.010 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 3.72 | 8.210 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 8.52 | 8.230 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 3.56 | 8.150 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Box |
| NON- MAG COLLAR | 1 | 28.96 | 8.000 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| STABILIZERS | 1 | 7.00 | 11.240 | 2.630 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 2.18 | 7.790 | 3.000 | 0.000 | 0.000 | 6 5/8 REG | Box |
| DRILL COLLAR | 9 | 268.76 | 8.000 | 2.750 | 0.000 | 0.000 | 6 5/8 REG | Box |

**Drilling Parameters**

| Bit # | Run # | Depth (ft) | WOB (M Lbs) | RPM | | GPM | Torque | | String Weight | | | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Motor | Rotary | | On Bom (ft lbf) | Off Bom (ft lbf) | Pick Up (lbs) | Stack Off (lbs) | Rotate (lbs) | On Bom (psi) | Off Bom (psi) | Diff Press. (psi) |
| 02 | 1 | 1474.00 | 25.000 | 111 | 111 | 695 | 8000.00 | 0.00 | 114 | 110 | 114 | 1778.0 | 1528.0 | 250.0 |

**Pump Data**

| Bit # | Pump 1 | | | | | Pump 2 | | | | | Pump Pressure (psi) | AV DC (ft/min) | AV DP (ft/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | | | |
| 02 | BOMCO 1600 | 12.000 | 6.000 | 82 | 343.296 | BOMCO 1600 | 12.000 | 6.000 | 82 | 343.296 | 1778.00 | 196 | 135 |

**Reduced Speed Pumps**

| Depth(ft) | Pump 1 | | | Pump 2 | | |
|---|---|---|---|---|---|---|
| | Model | Pressure (psi) | SPM | Model | Pressure (psi) | SPM |
| 1569.00 | BOMCO 1600 | 200.0 | 40 | BOMCO 1600 | 200.0 | 40 |
| 1569.00 | BOMCO 1600 | 300.0 | 50 | BOMCO 1600 | 300.0 | 50 |

# Daily Drilling Report P3

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 9 Report Date : 3/19/2018

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

**Drill Bottom Hole Targets**

| Bottom Hole Location | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Survey Data**

| Depth (ft) | Deviation | Azimuth | TVD (ft) | N/S | N/S (ft) | E/W | E/W (ft) | Vertical Section (ft) | Dog Leg |
|---|---|---|---|---|---|---|---|---|---|
| 527.00 | 0.83 | 75.8 | 526.97 | | 2.24 | | 4.47 | -0.89 | 0.22 |
| 588.00 | 1.02 | 71.6 | 587.96 | | 2.52 | | 5.41 | -0.90 | 0.33 |
| 680.00 | 1.09 | 77.6 | 679.94 | | 2.96 | | 7.05 | -0.87 | 0.14 |
| 771.00 | 1.24 | 78.2 | 770.92 | | 3.35 | | 8.86 | -0.74 | 0.16 |
| 861.00 | 0.51 | 231.6 | 860.92 | | 3.30 | | 9.49 | -0.51 | 1.87 |
| 951.00 | 0.82 | 244.6 | 950.91 | | 2.78 | | 8.60 | -0.26 | 0.37 |
| 1041.00 | 0.90 | 243.1 | 1040.90 | | 2.18 | | 7.39 | -0.02 | 0.09 |
| 1135.00 | 1.13 | 256.5 | 1134.89 | | 1.63 | | 5.83 | 0.07 | 0.34 |
| 1230.00 | 1.09 | 258.0 | 1229.87 | | 1.22 | | 4.03 | -0.04 | 0.05 |
| 1324.00 | 1.11 | 258.6 | 1323.85 | | 0.86 | | 2.27 | -0.19 | 0.02 |
| 1418.00 | 1.16 | 261.9 | 1417.83 | | 0.54 | | 0.43 | -0.40 | 0.09 |

**Hook Loads**

Up : 0

Down : 0

Rotating : 0

Torque : 0 Amps

Torque : 0.00 ft lbf

**Comments**

UL 20 STRIPES 38-47-601H RIG MOBILIZATION BEGAN: 3/11/18 @ 13:00HRS.
RIG ON DAYRATE @ 04:30 HRS, 03/16/2018
SPUD WELL @ 1900 HRS, 03-16-18
(108 HR. RIG MOVE)
RELEASED RIG OFF OF PEGASUS 23-35-16#251H ON 03/11/18 @ 13:00 HRS .

NOTIFIED TRRC: SPUD/SURFACE: 03/15/17,10 AM, MICHELLE, JOB #123292
NOTIFIED TRRC: INTERMENT-XXXXX
NOTIFIED TRRC: 2ND INTERMEDIATE: XXXXX
NOTIFIED TRRC: PRODUCTION: XXXX

RESUMED DRILLING OPERATIONAL HRS. = 77 ( 3.20 DAYS)

RIVERBOAT 33-71 602H 11-27-17: INSPECT 370 OF 372 JOINTS OF SCAN RIG PIPE BY RED RIVER TO DS1 CAT-4 PLUS UTEA, HAVE 368 JTS PREMIUM READY(1 JT CLASS 5 RED BAND (CRACKED) 1 JT CLASS 2 YELLOW BAND) 3 CONNECTIONS NEED SHOPPED. ALSO ALL PIPE NEEDS REHARDBANDING, WILL DO HALF OF STRING THIS WELL & THE OTHER ON NEXT WELL. (RECIEVED REPAIRED JOINTS FROM SHOP, REPLACED BAD JOINTS, TOTAL SCAN DP COUNT ON SPECTRE STATE 54-4 801H (372 PREMIUM JOINTS).

DAYS SINCE LAST LTA: (1248 DAYS ): LAST OSHA RECORDABLE INCIDENT: ( 485 )

CREW SHORTAGES ( LAST 24HRS / TOTAL HRS ): 0 / 0
CREW DOUBLES (LAST 24 HRS / TOTAL HRS): 0 / 0
NON PRODUCTIVE TIME (LAST 24HRS / TOTAL HRS): 0 HRS. / 1.5 HRS.
RIG DOWNTIME CODE 8: (LAST 24 HRS / TOTAL HRS ON WELL) – 0 HRS / 1.5 HRS
1.5 HRS CODE 8 ON 3/17/18 STRIPES 601H

20" CONDUCTER SET @ 146'
13 3/8" SURFACE: SET @ 437' W/FC @ 394' CIRC 31 BBLS CMT
10 3/4" 1 INTERMEDIATE: SET @
7 5/8" 2 INTERMEDIATE SET @
5 1/2" PRODUCTION: SET @

OBM LOST TO WELL (LAST 24 HRS / TOTAL BBLS): XX BBLS / XXXX BBLS

OBM LOST BEHIND CASING: 0 BBLS
OBM LOST: 0 BBLS TO FORMATION// TOTAL=XXX BBLS
OBM LOST: 0 BBLS TO CUTTINGS // TOTAL= XXX BBLS
OBM LOST: XX BBLS// TOTAL = XXX BBLS TO CLEANING PITS,DISCHARGE OVER SHAKERS, LOST ON DISPLACEMENT, SURFACE LOSSES, CENTRIFUGE LOSSES
ADDITIONS- XXX BBL RECIEVED FROM KERMIT ON 3/XX/18// OTHER ADDITIONS XX BBL
OBM RECOVERED FROM NOV DRYER SHAKERS -0 BBL/ 0 BBLS RECOVERED TO DATE.
STARTING OBM VOLUME: XXXX BBLS TOTAL VOLUME: XXXX BBLS
TRANSFERRED OUT 0 BBLS

STARTING RIG FUEL: RIG = 1754 GALS TRANSFERED FROM PEGUSAS 23-35-16 #251 0 GALS OBM DIESEL, 0 GALS AUX. DIESEL

DIESEL USAGE:
RIG FUEL ( DAILY/TOTAL ): 777/ 3254 GALS
MUD DIESEL ( DAILY/TOTAL ): 0/000 GALS
AUXILIARY EQUIPMENT (DAILY/TOTAL): 0 / 232 GALS
CERTARUS CNG (DAILY/ TOTAL) 682.82 MCF / 682.82 TOTAL MCF

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ORIGINAL TARGET LINE - XXXX'

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***NO LEAKS OR SPILLS REPORTED OR OBSERVED***

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BHA #3: BIT #2-12.250" SMITH XS716S SER# ED1338 W/ 2-14'S & 5 X 15'S TFA= 1.163 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 11.25 OD IBS // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // = TOT. LGTH. = 370.23' // BIT TO BEND 6.43 // BIT TO SURVEY 57' // BIT TO GAMMA 52.81' // DEPTH IN 445' // DEPTH OUT XXX' // FTG. DRILLED XXX' // TOTAL DRLG HRS. XXX // TOTAL MTR HRS. XXX // AVG R.O.P. XXX FPH // REASON PULLED = ? // BIT GRADE= XXXXXX

BHA #2: RE-RUN BIT #1-17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" BIT SUB // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 253.16' // BIT TO SURVEY 48' // BIT TO GAMMA 31' // DEPTH IN 300' // DEPTH OUT 445' // FTG. DRILLED 145' // TOTAL DRLG HRS. 3.5 // TOTAL MTR HRS. N/A // AVG R.O.P. 41.4 FPH // REASON PULLED = TD // BIT GRADE=1-2-NO-G-I-NO-TD

BHA #1: 17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 278.09' // BIT TO BEND 6.43' // BIT TO SURVEY 76' // BIT TO GAMMA 59' // DEPTH IN 146' // DEPTH OUT 300' // FTG. DRILLED 154' // TOTAL DRLG HRS. 15.5 // TOTAL MTR HRS. 18 // AVG R.O.P. 9.94 FPH // REASON PULLED = P-RATE // BIT GRADE = 1-2-NO-G-I-NO-PR

## Solids Removal

### Shakers

| Shaker # | Bottom | Middle | Top |
|---|---|---|---|

### Other Solids Removal Equipment

| Item | Hrs Run | Intake Density (lbs/gal) | Overflow Density (lbs/gal) | Underflow Density (lbs/gal) |
|---|---|---|---|---|

## Mud Log

Formation :
Background Gas :
Trip Calc :
Connection Gas :
Flare Length :

## Well Incident

Report # :
Incident Date :
Report Date :
Problem Name :

# Daily Drilling Report P1

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 10 Report Date : 3/20/2018

**Financials**

Daily Cost : $45,879 Cost to Date : $916,603

AFE # : PB18100002

AFE : $10,772,650 AFE Cost to Date : $916,603

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A Event Sub Type : Drilling Prod

A.M. Ops : DRILL 12-1/4" INTERM F/3550' - T/3950' (400' @ 67 FPH) MW 10.8 PPG

Ops Forecast : DRILL 12-1/4" INTERM 1 TOWARD +/- 4965' CP

24hr. Summary : DRILLED 12-1/4" INTERM 1 F/1474' T/3550' (2076' @ 88 FPH).

Planning Status :

**Elevations**

GL 2773.00 ft Reserve Pit Freeboard : 0.00 ft

**Progress**

Days from Spud : 4 Progress : 2076.00 ft MD at Report Time : 3550.00 ft

Rig on Location (days) : 10 Est. TD : 21599.00 ft TVD At Report Time : 3493.50 ft

**Event Dates**

| Spud Date | Spud Time | Suspended Drilling Date | Resume Drilling Date | Total Depth Date | Total Depth Time | Finished Drilling Date | Finished Drilling Time | Rig Released Date | Rig Released Time |
|---|---|---|---|---|---|---|---|---|---|
| 3/16/2018 | 19:00 | | | | | | | | |

**Time Breakdown**

Start Time : 00:00 Initial Depth : 0.00 ft Drilling Hours : 24.00 Total Drilling Hours : 58.50 Total Hours : 24.00 Time Code : DRILLING -

Drilling % : 100.00 Rotating % : 91.67 Sliding % : 8.33

| Start Time | End Time | Hours | Phase | Activity | | NPT | Bit # | Run # | Depth (ft) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Time Code | Description | | | | | |
| 00:00 | 03:00 | 3.00 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 02 | 1 | 1795.00 | ROTATE DRILL 12 1/4" INTERM 1: F/ 1474' - T/ 1795' ( 321' @ 107' FPH ) WOB 15/ 20K, RPM 80, GPM 695, MRPM 111, SPP 1375 PSI., DIFF 250/ 300 PSI., TQ. 8K, DRILLING DOWN FLOW LINE CIRCULATING CLOSED LOOP, MW 9. 9 PPG 30 VIS |
| 03:00 | 06:00 | 3.00 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 02 | 1 | 2135.00 | ROTATE DRILL 12 1/4" INTERM 1: F/ 1795' - T/ 2135' ( 340' @ 113. 3' FPH ) WOB 15/ 20K, RPM 80, GPM 695, MRPM 111, SPP 1375 PSI., DIFF 250/ 300 PSI., TQ. 8K, DRILLING DOWN FLOW LINE CIRCULATING CLOSED LOOP, MW 9. 9 PPG 30 VIS |
| 06:00 | 09:00 | 3.00 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 02 | 1 | 2418.00 | ROTATE DRILL 12 1/4" INTERM 1: F/ 2135' - T/ 2418' ( 283' @ 94. 3' FPH ) WOB 15/ 20K, RPM 80, GPM 695, MRPM 111, SPP 2150 PSI., DIFF 350 PSI., TQ. 8K, DRILLING DOWN FLOW LINE CIRCULATING CLOSED LOOP, MW 10. 4 PPG 30 VIS |
| 09:00 | 13:00 | 4.00 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 02 | 1 | 2795.00 | ROTATE DRILL 12 1/4" INTERM 1: F/ 2418' - T/ 2795' ( 377' @ 94. 2' FPH ) WOB 15/ 20K, RPM 80, GPM 695, MRPM 111, SPP 2150 PSI., DIFF 350 PSI., TQ. 8K, DRILLING DOWN FLOW LINE CIRCULATING CLOSED LOOP, MW 10. 4 PPG 30 VIS |
| 13:00 | 14:00 | 1.00 | DRLIN1 | 02M | DRILLING - DRILLING - SLIDING | No | 02 | 1 | 2810.00 | SLIDE 12 1/ 4 INTERM 1: F/ 2795' - 2810'( 15' @ 15' FPH ) WOB 10/ 15K, MTF 290, GPM 695, MRPM 111, SPP 1750/, 2200DIFF 450, TQ 10K, DRLG DOWN FLOWLINE, CIRC CLOSE LOOP. |
| 14:00 | 17:00 | 3.00 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 02 | 1 | 3082.00 | ROTATE DRILL 12 1/4" INTERM 1: F/ 2810' - T/ 3082' ( 272' @ 90. 6' FPH ) WOB 20/ 25K, RPM 85, GPM 695, MRPM 111, SPP 1750 / 2200 PSI., DIFF 250 PSI., TQ. 13K, DRILLING DOWN FLOW LINE CIRCULATING CLOSED LOOP, MW 10. 4 PPG 30 VIS |
| 17:00 | 17:30 | 0.50 | DRLIN1 | 02M | DRILLING - DRILLING - SLIDING | No | 02 | 1 | 3101.00 | SLIDE 12 1/ 4 INTERM 1: F/ 3083' - 3101'( 18' @ 36' FPH ) WOB 10/ 15K, MTF 290, GPM 695, MRPM 111, SPP 1750/, 2200DIFF 450, TQ 10K, DRLG DOWN FLOWLINE, CIRC CLOSE LOOP. |
| 17:30 | 20:30 | 3.00 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 02 | 1 | 3362.00 | ROTATE DRILL 12 1/4" INTERM 1: F/ 3101' - T/ 3362' ( 261' @ 87' FPH ) WOB 20/ 25K, RPM 85, GPM 695, MRPM 111, SPP 1750 / 2200 PSI., DIFF 250 PSI., TQ. 13K, DRILLING DOWN FLOW LINE CIRCULATING CLOSED LOOP, MW 10. 4 PPG 30 VIS |
| 20:30 | 21:00 | 0.50 | DRLIN1 | 02M | DRILLING - DRILLING - SLIDING | No | 02 | 1 | 3367.00 | SLIDE 12 1/ 4 INTERM 1: F/ 3362' - 3367'( 5' @ 6' FPH ) WOB 10/ 15K, MTF 290, GPM 695, MRPM 111, SPP 1750/, 2200DIFF 250, TQ 10K, DRLG DOWN FLOWLINE, CIRC CLOSE LOOP. |
| 21:00 | 00:00 | 3.00 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 02 | 1 | 3550.00 | ROTATE DRILL 12 1/4" INTERM 1: F/ 3367' - T/ 3550' ( 183' @ 61' FPH ) WOB 20/ 25K, RPM 85, GPM 710, MRPM 113, SPP 1750 / 2200 PSI., DIFF 250 PSI., TQ. 13K, DRILLING DOWN FLOW LINE CIRCULATING CLOSED LOOP, MW 10. 4 PPG 30 VIS |

**Personnel Hours**

| Vendor | Vendor Type | Number Of People | Hours On Site | Total Hours |
|---|---|---|---|---|
| NEWLAND CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| AES DRILLING FLUIDS LLC | MUD ENGINEER | 1 | 24.00 | 24.00 |
| SCANDRILL INC | RIG CREWS | 12 | 24.00 | 288.00 |
| SCANDRILL INC | TOOLPUSHER | 1 | 24.00 | 24.00 |
| CRESCENT CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| PHOENIX DIRECTIONAL DRILLERS | | 4 | 24.00 | 96.00 |

| | | | | |
|---|---|---|---|---|
| INDUSTRIAL & OILFIELD SERVICES INC | CONSULTANT | 1 | 24.00 | 24.00 |

**Rig Information**

| | | | | | |
|---|---|---|---|---|---|
| KB Elevation: | 2798.00 ft | KB To GL : | 25.00 ft | | |
| Rig(s) for today : | Scan Texas | Rig Manager : | ROCKY BROUMLEY | Rig Phone : | 432-400-2272 |
| Date and Time of Rig Release : | | Days From Rig Release : | 0.00 | Rig Fax : | |

**Safety**

| | | | | | |
|---|---|---|---|---|---|
| Last BOP Test(F) Date : | 3/18/2018 | Last BOP Pressure : | 5000.000 psi | Last Lot Fit : | 0.00 |
| Last Csg Date : | 3/18/2018 | Last Csg Pressure : | 250.000 psi | Last Spills Reported : | |
| Last BOP Drill Date : | | Last Test MW : | 0.00 | Last Accidents : | |
| Last Fire Drill : | | Last Test TVD : | 0.00 ft | Last Safety Meeting : | 3/20/2018 12:18 |
| Last Evac Drill : | | Last Test Pressure : | 0.000 psi | Last Safety Meeting Topic : | FIRST DAY BACK CREW CHANGE |

**Contacts**

| | | | | | |
|---|---|---|---|---|---|
| Day Sup. : | RAUL BAEZA | Phone : | 432-853-7484 | Superintendent : | SANTOS MOROLES | Phone : | 432-559-4901 |
| Night Sup. : | BRIAN EHRENBERG | Phone : | | Geologist : | ALBERT BONDURANT | Phone : | 205.568.5467 |
| Alt. Phone : | | | | Drill. Eng. : | BRANNON SMITH | Phone : | 432-818-1777 |

**Attachments**

Daily Attachment Folder(s)

# Daily Drilling Report P2

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 10 Report Date : 3/20/2018

## Operations

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

## Mud Data

Mud Engineer : KEVIN CARTWRIGHT Mud Type : Water Base Mud Polymer Type :

| Chk | Time | Depth (ft) | Density (lbs/gal) | FV (s/qt) | YP (lbs/100 ft²) | PV (cP) | WL (cc/30 min) | Cl (ppm) | Electro Static Stability | Oil Ratio | H2O Ratio | HTHP Water Loss(cc/30 min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:00 | 2320.0 | 10.80000 | 32.00 | 2 | 1.00 | 100.0 | 17600 | 0.0 | 0 | 828 | 0.0 |

## Bit Data

| Bit # | Run # | Size (in) | Mfg. | Model | IADC Code | Daily Drilled (ft) | Daily Hours | Daily ROP (ft/hr) | Cum Drilled (ft) | Cum Hrs. | Avg. ROP (ft/hr) | Depth In (ft) | Depth Out (ft) | Max WOB (M Lbs) | PSI Drop (psi) | Nozzle Velocity (ft/s) | HHP (HP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 02 | 1 | 12.25 | SMITH | XS716 | | 2076.0 | 24.00 | 86.50 | 3105.00 | 39.50 | 78.61 | 1474.00 | 3550.00 | 25.000 | 371.984 | 196.25 | 154.5 |

## BHA Data

For Bit # : 02 Mud Motor : Total Made : 2076 ft

Total BHA Hours : 60.5 Total Hours : 24.00

BHA # : 03 DC OD : 8.000 in DP OD : 5.000 in BHA Length : 370.23 ft BHA Weight 0.00 M Lbs

| Item | Jts | Length (ft) | OD (in) | ID (in) | Coupling OD (in) | Weight (lbs/ft) | Thread Type | Pin/Box |
|---|---|---|---|---|---|---|---|---|
| BITS | 1 | 1.00 | 12.250 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Pin |
| MUD MOTOR | 1 | 27.93 | 7.760 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Box |
| STABILIZERS | 1 | 5.66 | 11.250 | 2.750 | 0.000 | 0.000 | 6 5/8 REG | Box |
| NON- MAG COLLAR | 1 | 11.31 | 8.110 | 3.170 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 1.63 | 8.010 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 3.72 | 8.210 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 8.52 | 8.230 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 3.56 | 8.150 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Box |
| NON- MAG COLLAR | 1 | 28.96 | 8.000 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| STABILIZERS | 1 | 7.00 | 11.240 | 2.630 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 2.18 | 7.790 | 3.000 | 0.000 | 0.000 | 6 5/8 REG | Box |
| DRILL COLLAR | 9 | 268.76 | 8.000 | 2.750 | 0.000 | 0.000 | 6 5/8 REG | Box |

## Drilling Parameters

| Bit # | Run # | Depth (ft) | WOB (M Lbs) | RPM | | GPM | Torque | | String Weight | | | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Motor | Rotary | | On Bom (ft lbf) | Off Bom (ft lbf) | Pick Up (lbs) | Stack Off (lbs) | Rotate (lbs) | On Bom (psi) | Off Bom (psi) | Diff Press. (psi) |
| 02 | 1 | 3550.00 | 25.000 | 113 | 85 | 710 | 8000.00 | 0.00 | 155 | 150 | 155 | 2200.0 | 1900.0 | 300.0 |

## Pump Data

| Bit # | Pump 1 | | | | | Pump 2 | | | | | Pump Pressure (psi) | AV DC (ft/min) | AV DP (ft/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | | | |
| 02 | BOMCO 1600 | 12.000 | 6.000 | 85 | 355.856 | BOMCO 1600 | 12.000 | 6.000 | 85 | 355.856 | 1778.00 | 203 | 139 |

## Reduced Speed Pumps

| Depth(ft) | Pump 1 | | | Pump 2 | | |
|---|---|---|---|---|---|---|
| | Model | Pressure (psi) | SPM | Model | Pressure (psi) | SPM |
| 2701.00 | BOMCO 1600 | 200.0 | 30 | BOMCO 1600 | 180.0 | 30 |
| 2701.00 | BOMCO 1600 | 240.0 | 40 | BOMCO 1600 | 260.0 | 40 |

# Daily Drilling Report P3

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 10 Report Date : 3/20/2018

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

**Drill Bottom Hole Targets**

| Bottom Hole Location | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Survey Data**

| Depth (ft) | Deviation | Azimuth | TVD (ft) | N/S | N/S (ft) | E/W | E/W (ft) | Vertical Section (ft) | Dog Leg |
|---|---|---|---|---|---|---|---|---|---|
| 1513.00 | 1.32 | 252.7 | 1512.81 | | 0.09 | | -1.57 | -0.52 | 0.26 |
| 1607.00 | 1.04 | 242.6 | 1606.79 | | -0.63 | | -3.36 | -0.34 | 0.36 |
| 1702.00 | 0.89 | 240.4 | 1701.78 | | -1.39 | | -4.77 | 0.00 | 0.16 |
| 1796.00 | 0.95 | 245.9 | 1795.77 | | -2.07 | | -6.11 | 0.27 | 0.11 |
| 1890.00 | 0.85 | 238.0 | 1889.76 | | -2.76 | | -7.41 | 0.57 | 0.17 |
| 1985.00 | 0.64 | 233.7 | 1984.75 | | -3.44 | | -8.44 | 0.94 | 0.22 |
| 2079.00 | 0.56 | 213.6 | 2078.74 | | -4.14 | | -9.12 | 1.42 | 0.23 |
| 2174.00 | 0.40 | 202.6 | 2173.74 | | -4.83 | | -9.50 | 1.97 | 0.19 |
| 2268.00 | 0.37 | 193.6 | 2267.74 | | -5.43 | | -9.70 | 2.49 | 0.07 |
| 2362.00 | 0.48 | 128.0 | 2361.73 | | -5.96 | | -9.46 | 3.08 | 0.49 |
| 2456.00 | 0.74 | 112.4 | 2455.73 | | -6.44 | | -8.59 | 3.77 | 0.32 |
| 2551.00 | 0.97 | 112.8 | 2550.72 | | -6.98 | | -7.28 | 4.67 | 0.24 |
| 2645.00 | 1.35 | 104.8 | 2644.70 | | -7.58 | | -5.48 | 5.74 | 0.43 |
| 2739.00 | 1.70 | 92.5 | 2738.67 | | -7.92 | | -3.01 | 6.76 | 0.50 |
| 2833.00 | 0.96 | 59.7 | 2832.64 | | -7.58 | | -0.94 | 7.02 | 1.08 |
| 2928.00 | 1.30 | 57.3 | 2927.62 | | -6.60 | | 0.65 | 6.52 | 0.36 |
| 3022.00 | 1.50 | 73.3 | 3021.60 | | -5.67 | | 2.73 | 6.21 | 0.46 |
| 3117.00 | 0.91 | 2.8 | 3116.58 | | -4.56 | | 3.96 | 5.49 | 1.52 |
| 3211.00 | 1.32 | 348.6 | 3210.56 | | -2.75 | | 3.78 | 3.70 | 0.51 |
| 3306.00 | 1.47 | 355.7 | 3305.53 | | -0.47 | | 3.47 | 1.42 | 0.24 |
| 3400.00 | 0.88 | 345.5 | 3399.51 | | 1.43 | | 3.20 | -0.48 | 0.65 |
| 3494.00 | 0.94 | 339.1 | 3493.50 | | 2.85 | | 2.74 | -1.97 | 0.12 |

**Hook Loads**

| | | |
|---|---|---|
| Up : | 155 | |
| Down : | 150 | |
| Rotating : | 155 | |
| Torque : | 0 | Amps |
| Torque : | 8000.00 | ft lbf |

**Comments**

UL 20 STRIPES 38-47-601H RIG MOBILIZATION BEGAN: 3/11/18 @ 13:00HRS.
RIG ON DAYRATE @ 04:30 HRS, 03/16/2018
SPUD WELL @ 1900 HRS, 03-16-18
(108 HR. RIG MOVE)
RELEASED RIG OFF OF PEGASUS 23-35-16#251H ON 03/11/18 @ 13:00 HRS .

NOTIFIED TRRC: SPUD/SURFACE: 03/15/17,10 AM, MICHELLE, JOB #123292
NOTIFIED TRRC: INTERMENT-XXXXX
NOTIFIED TRRC: 2ND INTERMEDIATE: XXXXX
NOTIFIED TRRC: PRODUCTION: XXXX

RESUMED DRILLING OPERATIONAL HRS. = 101 ( 3.20 DAYS)

RIVERBOAT 33-71 602H 11-27-17: INSPECT 370 OF 372 JOINTS OF SCAN RIG PIPE BY RED RIVER TO DS1 CAT-4 PLUS UTEA, HAVE 368 JTS PREMIUM READY(1 JT CLASS 5 RED BAND (CRACKED) 1 JT CLASS 2 YELLOW BAND) 3 CONNECTIONS NEED SHOPPED. ALSO ALL PIPE NEEDS REHARDBANDING, WILL DO HALF OF STRING THIS WELL & THE OTHER ON NEXT WELL. (RECIEVED REPAIRED JOINTS FROM SHOP, REPLACED BAD JOINTS, TOTAL SCAN DP COUNT ON SPECTRE STATE 54-4 801H (372 PREMIUM JOINTS).

DAYS SINCE LAST LTA: (1249 DAYS ): LAST OSHA RECORDABLE INCIDENT: ( 486 )

CREW SHORTAGES ( LAST 24HRS / TOTAL HRS ): 0 / 0

CREW DOUBLES (LAST 24 HRS / TOTAL HRS): 0 / 0
NON PRODUCTIVE TIME (LAST 24HRS / TOTAL HRS): 0 HRS. / 1.5 HRS.
RIG DOWNTIME CODE 8: (LAST 24 HRS / TOTAL HRS ON WELL) – 0 HRS / 1.5 HRS
1.5 HRS CODE 8 ON 3/17/18 STRIPES 601H

20" CONDUCTER SET @ 146'
13 3/8" SURFACE: SET @ 437' W/FC @ 394' CIRC 31 BBLS CMT
10 3/4" 1 INTERMEDIATE: SET @
7 5/8" 2 INTERMEDIATE SET @
5 1/2" PRODUCTION: SET @

OBM LOST TO WELL (LAST 24 HRS / TOTAL BBLS): XX BBLS / XXXX BBLS
OBM LOST BEHIND CASING: 0 BBLS
OBM LOST: 0 BBLS TO FORMATION// TOTAL=XXX BBLS
OBM LOST: 0 BBLS TO CUTTINGS // TOTAL= XXX BBLS
OBM LOST: XX BBLS// TOTAL = XXX BBLS TO CLEANING PITS,DISCHARGE OVER SHAKERS, LOST ON DISPLACEMENT, SURFACE LOSSES, CENTRIFUGE LOSSES
ADDITIONS- XXX BBL RECIEVED FROM KERMIT ON 3/XX/18// OTHER ADDITIONS XX BBL
OBM RECOVERED FROM NOV DRYER SHAKERS -0 BBL/ 0 BBLS RECOVERED TO DATE.
STARTING OBM VOLUME: XXXX BBLS TOTAL VOLUME: XXXX BBLS
TRANSFERRED OUT 0 BBLS

STARTING RIG FUEL: RIG = 1754 GALS TRANSFERED FROM PEGUSAS 23-35-16 #251 0 GALS OBM DIESEL, 0 GALS AUX. DIESEL

DIESEL USAGE:
RIG FUEL ( DAILY/TOTAL ): 983/ 4237 GALS
MUD DIESEL ( DAILY/TOTAL ): 0/000 GALS
AUXILIARY EQUIPMENT (DAILY/TOTAL): 145 / 377 GALS
CERTARUS CNG (DAILY/ TOTAL) 1625.33 MCF / 2308.15 TOTAL MCF
---
ORIGINAL TARGET LINE - XXXX'

---
***NO LEAKS OR SPILLS REPORTED OR OBSERVED***
_____

BHA #3: BIT #2-12.250" SMITH XS716S SER# ED1338 W/ 2-14'S & 5 X 15'S TFA= 1.163 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 11.25 OD IBS // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // = TOT. LGTH. = 370.23' // BIT TO BEND 6.43 // BIT TO SURVEY 57' // BIT TO GAMMA 52.81' // DEPTH IN 445' // DEPTH OUT XXX' // FTG. DRILLED XXX' // TOTAL DRLG HRS. XXX // TOTAL MTR HRS. XXX // AVG R.O.P. XXX FPH // REASON PULLED = ? // BIT GRADE= XXXXXX

BHA #2: RE-RUN BIT #1-17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" BIT SUB // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 253.16' // BIT TO SURVEY 48' // BIT TO GAMMA 31' // DEPTH IN 300' // DEPTH OUT 445' // FTG. DRILLED 145' // TOTAL DRLG HRS. 3.5 // TOTAL MTR HRS. N/A // AVG R.O.P. 41.4 FPH // REASON PULLED = TD // BIT GRADE=1-2-NO-G-I-NO-TD

BHA #1: 17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 278.09' // BIT TO BEND 6.43' // BIT TO SURVEY 76' // BIT TO GAMMA 59' // DEPTH IN 146' // DEPTH OUT 300' // FTG. DRILLED 154' // TOTAL DRLG HRS. 15.5 // TOTAL MTR HRS. 18 // AVG R.O.P. 9.94 FPH // REASON PULLED = P-RATE // BIT GRADE = 1-2-NO-G-I-NO-PR

## Solids Removal

### Shakers

| Shaker # | Bottom | Middle | Top |
|---|---|---|---|

### Other Solids Removal Equipment

| Item | Hrs Run | Intake Density (lbs/gal) | Overflow Density (lbs/gal) | Underflow Density (lbs/gal) |
|---|---|---|---|---|

## Mud Log

Formation : Rustler
Background Gas :
Connection Gas :
Flare Length :
Trip Calc :

## Well Incident

# Daily Drilling Report P1

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 11 Report Date : 3/21/2018

## Financials

Daily Cost : $40,960 Cost to Date : $957,563

AFE # : PB18100002

AFE : $10,772,650 AFE Cost to Date : $957,563

## Operations

Event Objective : Scan Texas D&C DB DEV WC A Event Sub Type : Drilling Prod

A.M. Ops : SWEEP AND CIRC.HOLE CLEAN, CALIPHER SWEEP (ACTUAL STKS 8460 CALCULATED STKS 6983) SLUG PIPE 35 BBLS 11.2 PPB, POOH W/ INTERM 1 @ TD OF 4970' STAND BACK 8" DC'S, LAY DN DIRECTIONAL TOOLS

Ops Forecast : R/UP & RUN 4965' (112 JTS ) OF10 3/4 45.5# BTC CASING, CIRC. 1.5 TIMES CASING CAPACITY, R/D CASING CREW, R/U CEMENTERS, CEMENT 1ST INTERMEDIATE HOLE SECTION.

24hr. Summary : DRILLED 12-1/4" INTERM 1 F/3550' T/4970' TD CASING POINT (1420' @ 63.1 FPH).

Planning Status :

## Elevations

GL 2773.00 ft Reserve Pit Freeboard : 0.00 ft

## Progress

Days from Spud : 5 Progress : 1420.00 ft MD at Report Time : 4970.00 ft

Rig on Location (days) : 11 Est. TD : 21599.00 ft TVD At Report Time : 4816.21 ft

## Event Dates

| Spud Date | Spud Time | Suspended Drilling Date | Resume Drilling Date | Total Depth Date | Total Depth Time | Finished Drilling Date | Finished Drilling Time | Rig Released Date | Rig Released Time |
|---|---|---|---|---|---|---|---|---|---|
| 3/16/2018 | 19:00 | | | | | | | | |

## Time Breakdown

Start Time : 00:00 Initial Depth : 0.00 ft Drilling Hours : 22.50 Total Drilling Hours : 81.00 Total Hours : 24.00 Time Code : C & C MUD

Drilling % : 93.75 Rotating % : 71.11 Sliding % : 28.89

| Start Time | End Time | Hours | Phase | Activity | | NPT | Bit # | Run # | Depth (ft) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Time Code | Description | | | | | |
| 00:00 | 03:00 | 3.00 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 02 | | 3739.00 | ROTATE DRILL 12 1/4" INTERM 1: F/ 3550' - 3739' ( 189' @ 63' FPH ) WOB 25/ 28K, RPM 85, GPM 710, MRPM 113, SPP 1900 / 2300 PSI., DIFF 400 PSI., TQ. 13K, DRILLING DOWN FLOW LINE CIRCULATING CLOSED LOOP, W/ FULL RETURNS, MW 10. 4 PPG 30 VIS |
| 03:00 | 04:00 | 1.00 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 02 | | 3844.00 | ROTATE DRILL 12 1/4" INTERM 1: F/ 3739' - 3844'( 105' @ 105' FPH ) WOB 25/ 28K, RPM 85, GPM 710, MRPM 113, SPP 1900 / 2300 PSI., DIFF 400 PSI., TQ. 13K, DRILLING DOWN FLOW LINE CIRCULATING CLOSED LOOP, W/ FULL RETURNS, MW 10. 4 PPG 30 VIS |
| 04:00 | 04:30 | 0.50 | DRLIN1 | 02M | DRILLING - DRILLING - SLIDING | No | 02 | | 3855.00 | SLIDE 12 1/4 INTERM 1: F/ 3844' - 3855'( 10' @ 5' FPH ) WOB 10/ 15K, MTF 230, GPM 710, MRPM 113, SPP 1900/, 2050DIFF 150, TQ 10K, DRLG DOWN FLOWLINE, CIRC CLOSE LOOP. W/ FULL RETURNS, MW 10. 4 30 VIS |
| 04:30 | 08:00 | 3.50 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 02 | | 4117.00 | ROTATE DRILL 12 1/4" INTERM 1: F/ 3855' - 4117'( 262' @ 74' FPH ) WOB 25/ 28K, RPM 85, GPM 710, MRPM 113, SPP 1900 / 2300 PSI., DIFF 400 PSI., TQ. 13K, DRILLING DOWN FLOW LINE CIRCULATING CLOSED LOOP, W/ FULL RETURNS MW 10. 4 PPG, 30 VIS |
| 08:00 | 10:00 | 2.00 | DRLIN1 | 02M | DRILLING - DRILLING - SLIDING | No | 02 | | 4143.00 | SLIDE 12 1/4 INTERM 1: F/ 4117' - 4143'( 26' @ 13' FPH ) WOB 10/ 15K, MTF 180, GPM 710, MRPM 113, SPP 1850/, 2000DIFF 150, TQ 10K, DRLG DOWN FLOWLINE, CIRC CLOSE LOOP. W/ FULL RETURNS, MW 10. 4 PPG , 30 VIS |
| 10:00 | 11:00 | 1.00 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 02 | | 4211.00 | ROTATE DRILL 12 1/4" INTERM 1: F/ 4117' - 4211'( 94' @ 94' FPH ) WOB 25/ 30K, RPM 75, GPM 710, MRPM 113, SPP 2100 / 2500 PSI., DIFF 400 PSI., TQ. 13K, DRILLING DOWN FLOW LINE CIRCULATING CLOSED LOOP, W/ FULL RETURNS, MW 10. 4 PPG, 30 VIS. |
| 11:00 | 11:30 | 0.50 | DRLIN1 | 10A | LUB RIG - DAILY SERVICE | No | 02 | | 4211.00 | RIG SERVICE / GREASE TOP DRIVE / DW |
| 11:30 | 14:30 | 3.00 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 02 | | 4461.00 | ROTATE DRILL 12 1/4" INTERM 1: F/ 4211' - 4461'( 250' @ 83. 3' FPH ) WOB 25/ 30K, RPM 85, GPM 710, MRPM 113, SPP 2300 / 2750 PSI., DIFF 450 PSI., TQ. 15K, DRILLING DOWN FLOW LINE CIRCULATING CLOSED LOOP, W / FULL RETURNS, MW 10. 4 PPG, 30 VIS. |
| 14:30 | 15:30 | 1.00 | DRLIN1 | 35V | TROUBLE - RIG FAILURE | Yes | 02 | | 4461.00 | CHANGE OUT SWIVEL PACKING |
| 15:30 | 18:00 | 2.50 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 02 | | 4670.00 | ROTATE DRILL 12 1/4" INTERM 1: F/ 4461' - 4670'( 209' @ 83. 6' FPH ) WOB 25/ 30K, RPM 85, GPM 710, MRPM 113, SPP 2300 / 2750 PSI., DIFF 450 PSI., TQ. 15K, DRILLING DOWN FLOW LINE CIRCULATING CLOSED LOOP, W/ FULL RETURNS, MW 10. 4 PPG, 30 VIS. |
| 18:00 | 22:00 | 4.00 | DRLIN1 | 02M | DRILLING - DRILLING - SLIDING | No | 02 | | 4815.00 | SLIDE 12 1/4 INTERM 1: F/ 4780' - 4815'( 35' @ ' FPH ) WOB 10/ 15K, MTF 180, GPM 710, MRPM 113, SPP 1850/, 2000DIFF 150, TQ 10K, DRLG DOWN FLOWLINE, CIRC CLOSE LOOP, W/ FULL RETURNS , MW 10. 4 PPG, 30 VIS. |
| 22:00 | 00:00 | 2.00 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 02 | | 4970.00 | ROTATE DRILL 12 1/4" INTERM 1: F/ 4815' - 4970'( 155' @ XX. X' FPH ) WOB 25/ 30K, RPM 85, GPM 710, MRPM 113, SPP 2300 / 2750 PSI., DIFF 450 PSI., TQ. 15K, DRILLING DOWN FLOW LINE CIRCULATING CLOSED LOOP, W/ FULL RETURNS, MW 10. 4 PPG, 30 VIS. |

**Personnel Hours**

| Vendor | Vendor Type | Number Of People | Hours On Site | Total Hours |
|---|---|---|---|---|
| NEWLAND CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| AES DRILLING FLUIDS LLC | MUD ENGINEER | 1 | 24.00 | 24.00 |
| SCANDRILL INC | RIG CREWS | 12 | 24.00 | 288.00 |
| SCANDRILL INC | TOOLPUSHER | 1 | 24.00 | 24.00 |
| CRESCENT CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| PHOENIX DIRECTIONAL DRILLERS | | 4 | 24.00 | 96.00 |
| INDUSTRIAL & OILFIELD SERVICES INC | CONSULTANT | 1 | 24.00 | 24.00 |

**Rig Information**

| | | | | | |
|---|---|---|---|---|---|
| KB Elevation: | 2798.00 ft | KB To GL : | 25.00 ft | | |
| Rig(s) for today : | Scan Texas | Rig Manager : | ROCKY BROUMLEY | Rig Phone : | 432-400-2272 |
| Date and Time of Rig Release : | | Days From Rig Release : | 0.00 | Rig Fax : | |

**Safety**

| | | | | | |
|---|---|---|---|---|---|
| Last BOP Test(F) Date : | 3/18/2018 | Last BOP Pressure : | 5000.000 psi | Last Lot Fit : | 0.00 |
| Last Csg Date : | 3/18/2018 | Last Csg Pressure : | 250.000 psi | Last Spills Reported : | |
| Last BOP Drill Date : | | Last Test MW : | 0.00 | Last Accidents : | |
| Last Fire Drill : | | Last Test TVD : | 0.00 ft | Last Safety Meeting : | 3/20/2018 12:18 |
| Last Evac Drill : | | Last Test Pressure : | 0.000 psi | Last Safety Meeting Topic : | FIRST DAY BACK CREW CHANGE |

**Contacts**

| | | | | | |
|---|---|---|---|---|---|
| Day Sup. : | RAUL BAEZA | Phone : | 432-853-7484 | Superintendent : | SANTOS MOROLES | Phone : | 432-559-4901 |
| Night Sup. : | BRIAN EHRENBERG | Phone : | | Geologist : | ALBERT BONDURANT | Phone : | 205.568.5467 |
| Alt. Phone : | | | | Drill. Eng. : | BRANNON SMITH | Phone : | 432-818-1777 |

**Attachments**

| Daily Attachment Folder(s) |
|---|
| |

# Daily Drilling Report P2

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 11 Report Date : 3/21/2018

## Operations

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

## Mud Data

Mud Engineer : KEVIN CARTWRIGHT Mud Type : Water Base Mud Polymer Type :

| Chk | Time | Depth (ft) | Density (lbs/gal) | FV (s/qt) | YP (lbs/100 ft²) | PV (cP) | WL (cc/30 min) | Cl (ppm) | Electro Static Stability | Oil Ratio | H2O Ratio | HTHP Water Loss(cc/30 min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:00 | 4585.0 | 10.90000 | 30.00 | 2 | 1.00 | 100.0 | 10800 | 0.0 | 0 | 0 | 0.0 |

## Bit Data

| Bit # | Run # | Size (in) | Mfg. | Model | IADC Code | Daily Drilled (ft) | Daily Hours | Daily ROP (ft/hr) | Cum Drilled (ft) | Cum Hrs. | Avg. ROP (ft/hr) | Depth In (ft) | Depth Out (ft) | Max WOB (M Lbs) | PSI Drop (psi) | Nozzle Velocity (ft/s) | HHP (HP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 02 | 1 | 12.250 | SMITH | XS716 | | 0.00 | 0.00 | 0.00 | 3105.00 | 39.50 | 78.61 | 3550.00 | 4970.00 | 25.000 | 375.428 | 196.25 | 155.9 |

## BHA Data

For Bit # : 02 Mud Motor : Total Made : 1420 ft

Total BHA Hours : 83.0 Total Hours : 0.00

BHA # : 03 DC OD : 8.000 in DP OD : 5.000 in BHA Length : 370.23 ft BHA Weight 0.00 M Lbs

| Item | Jts | Length (ft) | OD (in) | ID (in) | Coupling OD (in) | Weight (lbs/ft) | Thread Type | Pin/Box |
|---|---|---|---|---|---|---|---|---|
| BITS | 1 | 1.00 | 12.250 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Pin |
| MUD MOTOR | 1 | 27.93 | 7.760 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Box |
| STABILIZERS | 1 | 5.66 | 11.250 | 2.750 | 0.000 | 0.000 | 6 5/8 REG | Box |
| NON- MAG COLLAR | 1 | 11.31 | 8.110 | 3.170 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 1.63 | 8.010 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 3.72 | 8.210 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 8.52 | 8.230 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 3.56 | 8.150 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Box |
| NON- MAG COLLAR | 1 | 28.96 | 8.000 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| STABILIZERS | 1 | 7.00 | 11.240 | 2.630 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 2.18 | 7.790 | 3.000 | 0.000 | 0.000 | 6 5/8 REG | Box |
| DRILL COLLAR | 9 | 268.76 | 8.000 | 2.750 | 0.000 | 0.000 | 6 5/8 REG | Box |

## Drilling Parameters

| Bit # | Run # | Depth (ft) | WOB (M Lbs) | RPM | | GPM | Torque | | String Weight | | | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Motor | Rotary | | On Bom (ft lbf) | Off Bom (ft lbf) | Pick Up (lbs) | Stack Off (lbs) | Rotate (lbs) | On Bom (psi) | Off Bom (psi) | Diff Press. (psi) |
| 02 | 1 | 0.00 | 25.000 | 113 | 85 | 710 | 8000.00 | 0.00 | 155 | 150 | 155 | 2200.0 | 1900.0 | 300.0 |

## Pump Data

| Bit # | Pump 1 | | | | | Pump 2 | | | | | Pump Pressure (psi) | AV DC (ft/min) | AV DP (ft/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | | | |
| 02 | BOMCO 1600 | 12.000 | 6.000 | 85 | 355.856 | BOMCO 1600 | 12.000 | 6.000 | 85 | 355.856 | 1778.00 | 203 | 139 |

## Reduced Speed Pumps

| Depth(ft) | Pump 1 | | | Pump 2 | | |
|---|---|---|---|---|---|---|
| | Model | Pressure (psi) | SPM | Model | Pressure (psi) | SPM |
| 4211.00 | BOMCO 1600 | 140.0 | 30 | BOMCO 1600 | 160.0 | 30 |
| 4211.00 | BOMCO 1600 | 240.0 | 40 | BOMCO 1600 | 240.0 | 40 |

# Daily Drilling Report P3

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 11 Report Date : 3/21/2018

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

**Drill Bottom Hole Targets**

| Bottom Hole Location | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Survey Data**

| Depth (ft) | Deviation | Azimuth | TVD (ft) | N/S | N/S (ft) | E/W | E/W (ft) | Vertical Section (ft) | Dog Leg |
|---|---|---|---|---|---|---|---|---|---|
| 3588.00 | 0.91 | 346.1 | 3587.49 | | 4.30 | | 2.29 | -3.48 | 0.12 |
| 3683.00 | 0.91 | 5.3 | 3682.48 | | 5.78 | | 2.18 | -4.94 | 0.31 |
| 3778.00 | 1.24 | 43.9 | 3777.46 | | 7.27 | | 2.96 | -6.15 | 0.80 |
| 3872.00 | 1.28 | 75.5 | 3871.44 | | 8.27 | | 4.68 | -6.63 | 0.72 |
| 3966.00 | 1.87 | 84.4 | 3965.40 | | 8.68 | | 7.22 | -6.31 | 0.67 |
| 4061.00 | 2.10 | 84.3 | 4060.35 | | 9.01 | | 10.50 | -5.70 | 0.24 |
| 4155.00 | 0.59 | 107.7 | 4154.32 | | 9.03 | | 12.67 | -5.12 | 1.65 |
| 4250.00 | 0.48 | 134.1 | 4249.31 | | 8.60 | | 13.43 | -4.50 | 0.28 |
| 4345.00 | 0.63 | 156.4 | 4344.31 | | 7.85 | | 13.92 | -3.63 | 0.27 |
| 4439.00 | 0.44 | 164.5 | 4438.31 | | 7.03 | | 14.22 | -2.76 | 0.21 |
| 4533.00 | 0.73 | 116.1 | 4532.30 | | 6.42 | | 14.86 | -2.00 | 0.57 |
| 4628.00 | 1.48 | 102.9 | 4627.28 | | 5.88 | | 16.60 | -0.99 | 0.82 |
| 4722.00 | 1.97 | 105.6 | 4721.24 | | 5.17 | | 19.34 | 0.46 | 0.52 |
| 4817.00 | 0.78 | 144.9 | 4816.21 | | 4.20 | | 21.28 | 1.93 | 1.50 |
| 4911.00 | 0.68 | 182.6 | 4816.21 | | 3.12 | | 21.62 | 3.06 | 0.50 |

**Hook Loads**

| | | |
|---|---|---|
| Up : | 170 | |
| Down : | 150 | |
| Rotating : | 165 | |
| Torque : | 0 | Amps |
| Torque : | 0.00 | ft lbf |

**Comments**

UL 20 STRIPES 38-47-601H RIG MOBILIZATION BEGAN: 3/11/18 @ 13:00HRS.
RIG ON DAYRATE @ 04:30 HRS, 03/16/2018
SPUD WELL @ 1900 HRS, 03-16-18
(108 HR. RIG MOVE)
RELEASED RIG OFF OF PEGASUS 23-35-16#251H ON 03/11/18 @ 13:00 HRS .

NOTIFIED TRRC: SPUD/SURFACE: 03/15/17,10 AM, MICHELLE, JOB #123292
NOTIFIED TRRC: INTERMENT-XXXXX
NOTIFIED TRRC: 2ND INTERMEDIATE: XXXXX
NOTIFIED TRRC: PRODUCTION: XXXX

RESUMED DRILLING OPERATIONAL HRS. = 125 ( 3.20 DAYS)

RIVERBOAT 33-71 602H 11-27-17: INSPECT 370 OF 372 JOINTS OF SCAN RIG PIPE BY RED RIVER TO DS1 CAT-4 PLUS UTEA, HAVE 368 JTS PREMIUM READY(1 JT CLASS 5 RED BAND (CRACKED) 1 JT CLASS 2 YELLOW BAND) 3 CONNECTIONS NEED SHOPPED. ALSO ALL PIPE NEEDS REHARDBANDING, WILL DO HALF OF STRING THIS WELL & THE OTHER ON NEXT WELL. (RECIEVED REPAIRED JOINTS FROM SHOP, REPLACED BAD JOINTS, TOTAL SCAN DP COUNT ON SPECTRE STATE 54-4 801H (372 PREMIUM JOINTS).

DAYS SINCE LAST LTA: (1250 DAYS ): LAST OSHA RECORDABLE INCIDENT: ( 487 )

CREW SHORTAGES ( LAST 24HRS / TOTAL HRS ): 0 / 0
CREW DOUBLES (LAST 24 HRS / TOTAL HRS): 0 / 0
NON PRODUCTIVE TIME (LAST 24HRS / TOTAL HRS): 0 HRS. / 1.5 HRS.
RIG DOWNTIME CODE 8: (LAST 24 HRS / TOTAL HRS ON WELL) – 0 HRS / 1.5 HRS
1.5 HRS CODE 8 ON 3/17/18 STRIPES 601H

20" CONDUCTER SET @ 146'
13 3/8" SURFACE: SET @ 437' W/FC @ 394' CIRC 31 BBLS CMT
10 3/4" 1 INTERMEDIATE: SET @

7 5/8" 2 INTERMEDIATE SET @
5 1/2" PRODUCTION: SET @

OBM LOST TO WELL (LAST 24 HRS / TOTAL BBLS): XX BBLS / XXXX BBLS
OBM LOST BEHIND CASING: 0 BBLS
OBM LOST: 0 BBLS TO FORMATION// TOTAL=XXX BBLS
OBM LOST: 0 BBLS TO CUTTINGS // TOTAL= XXX BBLS
OBM LOST: XX BBLS// TOTAL = XXX BBLS TO CLEANING PITS,DISCHARGE OVER SHAKERS, LOST ON DISPLACEMENT, SURFACE LOSSES, CENTRIFUGE LOSSES
ADDITIONS- XXX BBL RECIEVED FROM KERMIT ON 3/XX/18// OTHER ADDITIONS XX BBL
OBM RECOVERED FROM NOV DRYER SHAKERS -0 BBL/ 0 BBLS RECOVERED TO DATE.
STARTING OBM VOLUME: XXXX BBLS TOTAL VOLUME: XXXX BBLS
TRANSFERRED OUT 0 BBLS

STARTING RIG FUEL: RIG = 1754 GALS TRANSFERED FROM PEGUSAS 23-35-16 #251 0 GALS OBM DIESEL, 0 GALS AUX. DIESEL

DIESEL USAGE:
RIG FUEL ( DAILY/TOTAL ): 912/ 5149 GALS
MUD DIESEL ( DAILY/TOTAL ): 0/000 GALS
AUXILIARY EQUIPMENT (DAILY/TOTAL): 47 / 424 GALS
CERTARUS CNG (DAILY/ TOTAL) 1803.64 MCF / 4111.79 TOTAL MCF

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ORIGINAL TARGET LINE - XXXX'

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***NO LEAKS OR SPILLS REPORTED OR OBSERVED***

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BHA #3: BIT #2-12.250" SMITH XS716S SER# ED1338 W/ 2-14'S & 5 X 15'S TFA= 1.163 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 11.25 OD IBS // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // = TOT. LGTH. = 370.23' // BIT TO BEND 6.43 // BIT TO SURVEY 57' // BIT TO GAMMA 52.81' // DEPTH IN 445' // DEPTH OUT XXX' // FTG. DRILLED XXX' // TOTAL DRLG HRS. XXX // TOTAL MTR HRS. XXX // AVG R.O.P. XXX FPH // REASON PULLED = ? // BIT GRADE= XXXXXX

BHA #2: RE-RUN BIT #1-17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" BIT SUB // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 253.16' // BIT TO SURVEY 48' // BIT TO GAMMA 31' // DEPTH IN 300' // DEPTH OUT 445' // FTG. DRILLED 145' // TOTAL DRLG HRS. 3.5 // TOTAL MTR HRS. N/A // AVG R.O.P. 41.4 FPH // REASON PULLED = TD // BIT GRADE=1-2-NO-G-I-NO-TD

BHA #1: 17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 278.09' // BIT TO BEND 6.43' // BIT TO SURVEY 76' // BIT TO GAMMA 59' // DEPTH IN 146' // DEPTH OUT 300' // FTG. DRILLED 154' // TOTAL DRLG HRS. 15.5 // TOTAL MTR HRS. 18 // AVG R.O.P. 9.94 FPH // REASON PULLED = P-RATE // BIT GRADE = 1-2-NO-G-I-NO-PR

## Solids Removal

### Shakers

| Shaker # | Bottom | Middle | Top |
|---|---|---|---|

### Other Solids Removal Equipment

| Item | Hrs Run | Intake Density (lbs/gal) | Overflow Density (lbs/gal) | Underflow Density (lbs/gal) |
|---|---|---|---|---|

## Mud Log

Formation : Rustler
Background Gas :
Connection Gas :
Flare Length :
Trip Calc :

## Well Incident

Report # :
Incident Date :
Report Date :
Problem Name :

# Daily Drilling Report P1

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 12 Report Date : 3/22/2018

## Financials

Daily Cost : $52,116 Cost to Date : $1,009,679

AFE # : PB18100002

AFE : $10,772,650 AFE Cost to Date : $1,009,679

## Operations

Event Objective : Scan Texas D&C DB DEV WC A Event Sub Type : Drilling Prod

A.M. Ops : CEMENT INTERMEDIATE HOLE SECTION, N/D BOP, BREAK STACK BETWEEN A/B SECTION, WEAR BUSHING STUCK IN A SECTION, LOWER STACK, RUN DAWGS IN ATTEMPT TO P/U STACK, DAMAGED LINE ON LIFT, WAITING ON NEW UNIT.

Ops Forecast : CIRC. 1.5 TIMES CASING CAP / R/DN CASING CREW /HOLD SAFETY MEETING W/ O-TEX /TEST LINES TO 5000 PSI / CEMENT

24hr. Summary : R/UP & RUN 4965' (112 JTS ) OF10 3/4 45.5# BTC CASING / CIR CAP 1/2 CASING VOLUME/ R/DN CASING CREW /HOLD SAFETY MEETING W/ O-TEX /TEST LINES TO 5000 PSI

Planning Status :

## Elevations

GL 2773.00 ft Reserve Pit Freeboard : 0.00 ft

## Progress

Days from Spud : 6 Progress : 0.00 ft MD at Report Time : 4970.00 ft

Rig on Location (days) : 12 Est. TD : 21599.00 ft TVD At Report Time : 4816.21 ft

## Event Dates

| Spud Date | Spud Time | Suspended Drilling Date | Resume Drilling Date | Total Depth Date | Total Depth Time | Finished Drilling Date | Finished Drilling Time | Rig Released Date | Rig Released Time |
|---|---|---|---|---|---|---|---|---|---|
| 3/16/2018 | 19:00 | | | | | | | | |

## Time Breakdown

Start Time : 00:00 Initial Depth : 0.00 ft Drilling Hours : 0.00 Total Drilling Hours : 81.00 Total Hours : 24.00 Time Code : C & C MUD

Drilling % : 0.00 Rotating % : 0.00 Sliding % : 0.00

| Start Time | End Time | Hours | Phase | Activity Time Code | Activity Description | NPT | Bit # | Run # | Depth (ft) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| 00:00 | 02:00 | 2.00 | CSGIN1 | 07C | C & C MUD - PRIOR TO TRIP | No | 02 | | 4970.00 | CIRCULATE CLEAN HOLE AS FOLLOWS CIR - BOTTOMS UP / SWEEP FLUID CALIBER / ( ACTUAL STKS 8460 CALCULATED STKS 6983 = 23 % WASH OUT, CIR FINAL BOTTOMS UP / SHAKERS CLEAN. |
| 02:00 | 06:00 | 4.00 | CSGIN1 | 08D | TRIPPING - CASING / LINER | No | 02 | | 4970.00 | TRIP OUT OF THE HOLE / LAY DOWN DIRECTIONAL TOOL / LOAD OFF THE SAME / CLEAN FLOOR . |
| 06:00 | 13:30 | 7.50 | CSGIN1 | 08D | TRIPPING - CASING / LINER | Yes | 02 | | 4970.00 | PULL WEAR BUSHING UNSUCCESSFUL / SCREW INTO JOINT W/ TOP DRIVE PULL 30K SLACK OFF AND REPEAT/ LAY DOWN WEAR BUSHING PULLER PICK UP JOINT DP SCREW INTO THE SAME PUMP 100 SPM 419 GPM / LAY DOWN JOINT/ PICK UP JOINT WITH PULLER/ DRAIN STACK TO ACCURE DOGS ARE ALL BACKED OUT/ LATCH ON WEAR BUSHING / WORK PULLER WITH 30K- 40K ( NO LUCK) RELEASE AND LAY DOWN BUSHING PULLER / PICK UP JOINT DP MAKE UP 12 1/ 4 BIT / RIH TO TOP OF WEAR BUSHING/ PUMP 115 SPM - 481 GPM WORK UP AND DOWN AROUND WEAR BUSHING/ LAY DOWN BIT/ PICK UP PULLER SCREW IN TOP DRIVE/ WORK PULLER UP TO 65K - NO SUCCESS / RIG PULLER ASSEMBLY DOWN THE SAME. |
| 13:30 | 14:00 | 0.50 | CSGIN1 | 15A | RUN CASING - RU/RD EQUIPMENT | No | 02 | | 4970.00 | HOLD SAFETY MEETING WITH CASING CREW RIG UP THE SAME / BELLS, ELEVATORS, SLIPS, TONGS,/ FUNCTION TEST THE SAME. |
| 14:00 | 22:00 | 8.00 | CSGIN1 | 15B | RUN CASING - CSG/ LNR/ TIEBACK | No | 02 | | 4970.00 | TEST CEMENT LINES TO 5000 PSI, RUN 10 3/ 4" 45. 5#, HCL - 80, BTC AS FOLLOWS: 1 GUIDE SHOE, 1 JNT. 10 3/ 4" 45. 5#, HCL - 80, BTC 1 FLOAT COLLAR, THEN RUN 111 JNTS 10 3/ 4" 45. 5#, HCL - 80, BTC ( SHOE SET @ 4965' -- FLOAT COLLAR SET @ 4921'), PLACED CENTRALIZER 5' ABOVE SHOE, 5' BELOW FLOAT, NEXT THREE JNTS, THEN RAN A CENTRALIZER EVERY 3RD JNT ALL THE WAY BACK TO SURFACE, A TOTAL OF 45 CENTRALIZERS. RAN IN THE HOLE TO BTM AT 4965', WITH FULL RETURNS, GOOD DISPLACEMENT THE WHOLE TIME. |
| 22:00 | 00:00 | 2.00 | CSGIN1 | 07J | C & C MUD - C&C MUD - OTHER | No | 02 | | 4970.00 | CIRC. 1. 5 TIMES CASING CAP / R/ DN CASING CREW / HOLD SAFETY MEETING W/ O - TEX / TEST LINES TO 5000 PSI . |

## Personnel Hours

| Vendor | Vendor Type | Number Of People | Hours On Site | Total Hours |
|---|---|---|---|---|
| NEWLAND CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| AES DRILLING FLUIDS LLC | MUD ENGINEER | 1 | 24.00 | 24.00 |
| SCANDRILL INC | RIG CREWS | 12 | 24.00 | 288.00 |
| SCANDRILL INC | TOOLPUSHER | 1 | 24.00 | 24.00 |
| CRESCENT CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| PHOENIX DIRECTIONAL DRILLERS | | 4 | 24.00 | 96.00 |
| INDUSTRIAL & OILFIELD SERVICES INC | CONSULTANT | 1 | 24.00 | 24.00 |

## Rig Information

KB Elevation: 2798.00 ft KB To GL : 25.00 ft

Rig(s) for today : Scan Texas Rig Manager : ROCKY BROUMLEY Rig Phone : 432-400-2272

| | | | | | |
|---|---|---|---|---|---|
| Date and Time of Rig Release : | | | Days From Rig Release : 0.00 | Rig Fax : | |

## Safety

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Last BOP Test(F) Date : | 3/18/2018 | Last BOP Pressure : | 5000.000 | psi | Last Lot Fit : | 0.00 | |
| Last Csg Date : | 3/18/2018 | Last Csg Pressure : | 250.000 | psi | Last Spills Reported : | | |
| Last BOP Drill Date : | | Last Test MW : | 0.00 | | Last Accidents : | | |
| Last Fire Drill : | | Last Test TVD : | 0.00 | ft | Last Safety Meeting : | 3/20/2018 12:18 | |
| Last Evac Drill : | | Last Test Pressure : | 0.000 | psi | Last Safety Meeting Topic : | FIRST DAY BACK CREW CHANGE | |

## Contacts

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Day Sup. : | RAUL BAEZA | Phone : | 432-853-7484 | Superintendent : | SANTOS MOROLES | Phone : | 432-559-4901 |
| Night Sup. : | BRIAN EHRENBERG | Phone : | | Geologist : | ALBERT BONDURANT | Phone : | 205.568.5467 |
| Alt. Phone : | | | | Drill. Eng. : | BRANNON SMITH | Phone : | 432-818-1777 |

## Attachments

Daily Attachment Folder(s)

# Daily Drilling Report P2

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 12 Report Date : 3/22/2018

## Operations

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

## Mud Data

Mud Engineer : KEVIN CARTWRIGHT Mud Type : Water Base Mud Polymer Type :

| Chk | Time | Depth (ft) | Density (lbs/gal) | FV (s/qt) | YP (lbs/100 ft²) | PV (cP) | WL (cc/30 min) | Cl (ppm) | Electro Static Stability | Oil Ratio | H2O Ratio | HTHP Water Loss(cc/30 min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:00 | 4970.0 | 10.10000 | 32.00 | 2 | 1.00 | 100.0 | 17800 | 0.0 | 0 | 0 | 0.0 |

## Bit Data

| Bit # | Run # | Size (in) | Mfg. | Model | IADC Code | Daily Drilled (ft) | Daily Hours | Daily ROP (ft/hr) | Cum Drilled (ft) | Cum Hrs. | Avg. ROP (ft/hr) | Depth In (ft) | Depth Out (ft) | Max WOB (M Lbs) | PSI Drop (psi) | Nozzle Velocity (ft/s) | HHP (HP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 02 | 1 | 12.250 | SMITH | XS716 | | 0.00 | 0.00 | 0.00 | 3105.00 | 39.50 | 78.61 | 3550.00 | 4970.00 | 25.000 | 347.874 | 196.25 | 144.5 |

## BHA Data

For Bit # : 02 Mud Motor : Total Made : 1420 ft

Total BHA Hours : 87.0 Total Hours : 0.00

BHA # : 03 DC OD : 8.000 in DP OD : 5.000 in BHA Length : 370.23 ft BHA Weight 0.00 M Lbs

| Item | Jts | Length (ft) | OD (in) | ID (in) | Coupling OD (in) | Weight (lbs/ft) | Thread Type | Pin/Box |
|---|---|---|---|---|---|---|---|---|
| BITS | 1 | 1.00 | 12.250 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Pin |
| MUD MOTOR | 1 | 27.93 | 7.760 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Box |
| STABILIZERS | 1 | 5.66 | 11.250 | 2.750 | 0.000 | 0.000 | 6 5/8 REG | Box |
| NON- MAG COLLAR | 1 | 11.31 | 8.110 | 3.170 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 1.63 | 8.010 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 3.72 | 8.210 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 8.52 | 8.230 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 3.56 | 8.150 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Box |
| NON- MAG COLLAR | 1 | 28.96 | 8.000 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| STABILIZERS | 1 | 7.00 | 11.240 | 2.630 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 2.18 | 7.790 | 3.000 | 0.000 | 0.000 | 6 5/8 REG | Box |
| DRILL COLLAR | 9 | 268.76 | 8.000 | 2.750 | 0.000 | 0.000 | 6 5/8 REG | Box |

## Drilling Parameters

| Bit # | Run # | Depth (ft) | WOB (M Lbs) | RPM | | GPM | Torque | | String Weight | | | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Motor | Rotary | | On Bom (ft lbf) | Off Bom (ft lbf) | Pick Up (lbs) | Stack Off (lbs) | Rotate (lbs) | On Bom (psi) | Off Bom (psi) | Diff Press. (psi) |
| 02 | 1 | 0.00 | 25.000 | 113 | 85 | 710 | 8000.00 | 0.00 | 155 | 150 | 155 | 2200.0 | 1900.0 | 300.0 |

## Pump Data

| Bit # | Pump 1 | | | | | Pump 2 | | | | | Pump Pressure (psi) | AV DC (ft/min) | AV DP (ft/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | | | |
| 02 | BOMCO 1600 | 12.000 | 6.000 | 85 | 355.856 | BOMCO 1600 | 12.000 | 6.000 | 85 | 355.856 | 1778.00 | 203 | 139 |

## Reduced Speed Pumps

| Depth(ft) | Pump 1 | | | Pump 2 | | |
|---|---|---|---|---|---|---|
| | Model | Pressure (psi) | SPM | Model | Pressure (psi) | SPM |
| 0.00 | BOMCO 1600 | 140.0 | 30 | BOMCO 1600 | 160.0 | 30 |
| 0.00 | BOMCO 1600 | 240.0 | 40 | BOMCO 1600 | 240.0 | 40 |

# Daily Drilling Report P3

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 12 Report Date : 3/22/2018

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

**Drill Bottom Hole Targets**

| Bottom Hole Location | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Survey Data**

| Depth (ft) | Deviation | Azimuth | TVD (ft) | N/S | N/S (ft) | E/W | E/W (ft) | Vertical Section (ft) | Dog Leg |
|---|---|---|---|---|---|---|---|---|---|

**Hook Loads**

| | | |
|---|---|---|
| Up : | 0 | |
| Down : | 0 | |
| Rotating : | 0 | |
| Torque : | 0 | Amps |
| Torque : | 0.00 | ft lbf |

**Comments**

UL 20 STRIPES 38-47-601H RIG MOBILIZATION BEGAN: 3/11/18 @ 13:00HRS.
RIG ON DAYRATE @ 04:30 HRS, 03/16/2018
SPUD WELL @ 1900 HRS, 03-16-18
(108 HR. RIG MOVE)
RELEASED RIG OFF OF PEGASUS 23-35-16#251H ON 03/11/18 @ 13:00 HRS .

NOTIFIED TRRC: SPUD/SURFACE: 03/15/17,10 AM, MICHELLE, JOB #123292
NOTIFIED TRRC: INTERMENT-XXXXX
NOTIFIED TRRC: 2ND INTERMEDIATE: XXXXX
NOTIFIED TRRC: PRODUCTION: XXXX

RESUMED DRILLING OPERATIONAL HRS. = 126 ( 3.20 DAYS)

RIVERBOAT 33-71 602H 11-27-17: INSPECT 370 OF 372 JOINTS OF SCAN RIG PIPE BY RED RIVER TO DS1 CAT-4 PLUS UTEA, HAVE 368 JTS PREMIUM READY(1 JT CLASS 5 RED BAND (CRACKED) 1 JT CLASS 2 YELLOW BAND) 3 CONNECTIONS NEED SHOPPED. ALSO ALL PIPE NEEDS REHARDBANDING, WILL DO HALF OF STRING THIS WELL & THE OTHER ON NEXT WELL. (RECIEVED REPAIRED JOINTS FROM SHOP, REPLACED BAD JOINTS, TOTAL SCAN DP COUNT ON SPECTRE STATE 54-4 801H (372 PREMIUM JOINTS).

DAYS SINCE LAST LTA: (1251 DAYS ): LAST OSHA RECORDABLE INCIDENT: ( 488 )

CREW SHORTAGES ( LAST 24HRS / TOTAL HRS ): 0 / 0
CREW DOUBLES (LAST 24 HRS / TOTAL HRS): 0 / 0
NON PRODUCTIVE TIME (LAST 24HRS / TOTAL HRS): 0 HRS. / 1.5 HRS.
RIG DOWNTIME CODE 8: (LAST 24 HRS / TOTAL HRS ON WELL) – 0 HRS / 1.5 HRS
1.5 HRS CODE 8 ON 3/17/18 STRIPES 601H

20" CONDUCTER SET @ 146'
13 3/8" SURFACE: SET @ 437' W/FC @ 394' CIRC 31 BBLS CMT
10 3/4" 1 INTERMEDIATE: SET @ 4965'
7 5/8" 2 INTERMEDIATE SET @
5 1/2" PRODUCTION: SET @

OBM LOST TO WELL (LAST 24 HRS / TOTAL BBLS): XX BBLS / XXXX BBLS

OBM LOST BEHIND CASING: 0 BBLS
OBM LOST: 0 BBLS TO FORMATION// TOTAL=XXX BBLS
OBM LOST: 0 BBLS TO CUTTINGS // TOTAL= XXX BBLS
OBM LOST: XX BBLS// TOTAL = XXX BBLS TO CLEANING PITS,DISCHARGE OVER SHAKERS, LOST ON DISPLACEMENT, SURFACE LOSSES, CENTRIFUGE LOSSES
ADDITIONS- XXX BBL RECIEVED FROM KERMIT ON 3/XX/18// OTHER ADDITIONS XX BBL
OBM RECOVERED FROM NOV DRYER SHAKERS -0 BBL/ 0 BBLS RECOVERED TO DATE.
STARTING OBM VOLUME: XXXX BBLS TOTAL VOLUME: XXXX BBLS
TRANSFERRED OUT 0 BBLS

STARTING RIG FUEL: RIG = 1754 GALS TRANSFERED FROM PEGUSAS 23-35-16 #251 0 GALS OBM DIESEL, 0 GALS AUX. DIESEL

DIESEL USAGE:
RIG FUEL ( DAILY/TOTAL ): 573/ 5722 GALS
MUD DIESEL ( DAILY/TOTAL ): 0/000 GALS
AUXILIARY EQUIPMENT (DAILY/TOTAL): 21 / 445 GALS
CERTARUS CNG (DAILY/ TOTAL) 1803.64 MCF / 4111.79 TOTAL MCF

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ORIGINAL TARGET LINE - XXXX'

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***NO LEAKS OR SPILLS REPORTED OR OBSERVED***

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BHA #3: BIT #2-12.250" SMITH XS716S SER# ED1338 W/ 2-14'S & 5 X 15'S TFA= 1.163 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 11.25 OD IBS // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // = TOT. LGTH. = 370.23' // BIT TO BEND 6.43 // BIT TO SURVEY 57' // BIT TO GAMMA 52.81' // DEPTH IN 445' // DEPTH OUT XXX' // FTG. DRILLED XXX' // TOTAL DRLG HRS. XXX // TOTAL MTR HRS. XXX // AVG R.O.P. XXX FPH // REASON PULLED = ? // BIT GRADE= XXXXXX

BHA #2: RE-RUN BIT #1-17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" BIT SUB // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 253.16' // BIT TO SURVEY 48' // BIT TO GAMMA 31' // DEPTH IN 300' // DEPTH OUT 445' // FTG. DRILLED 145' // TOTAL DRLG HRS. 3.5 // TOTAL MTR HRS. N/A // AVG R.O.P. 41.4 FPH // REASON PULLED = TD // BIT GRADE=1-2-NO-G-I-NO-TD

BHA #1: 17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 278.09' // BIT TO BEND 6.43' // BIT TO SURVEY 76' // BIT TO GAMMA 59' // DEPTH IN 146' // DEPTH OUT 300' // FTG. DRILLED 154' // TOTAL DRLG HRS. 15.5 // TOTAL MTR HRS. 18 // AVG R.O.P. 9.94 FPH // REASON PULLED = P-RATE // BIT GRADE = 1-2-NO-G-I-NO-PR

## Solids Removal

### Shakers

| Shaker # | Bottom | Middle | Top |
|---|---|---|---|

### Other Solids Removal Equipment

| Item | Hrs Run | Intake Density (lbs/gal) | Overflow Density (lbs/gal) | Underflow Density (lbs/gal) |
|---|---|---|---|---|

## Mud Log

Formation : Rustler
Background Gas :
Connection Gas :
Flare Length :
Trip Calc :

## Well Incident

Report # :
Incident Date :
Report Date :
Problem Name :

# Daily Drilling Report P1

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 13 Report Date : 3/23/2018

## Financials

Daily Cost : $108,415 Cost to Date : $1,340,043

AFE # : PB18100002

AFE : $10,772,650 AFE Cost to Date : $1,340,043

## Operations

Event Objective : Scan Texas D&C DB DEV WC A Event Sub Type : Drilling Prod

A.M. Ops : DRILL 9 7/8' INTERM 2 F/4970' - T/5300' (330' @ 55 FPH) MW 10 PPG

Ops Forecast : DRILL 9 7/8' INTERM 2 TOWARD +/- 11070 KOP.

24hr. Summary : CEMENT INTERMEDIATE HOLE SECTION, N/D BOP, BREAK STACK BETWEEN A/B SECTION, WEAR BUSHING STUCK IN A-SECTION (ABOUT 10.5"), LOWER STACK, RUN DAWGS IN ATTEMPT TO P/U STACK, DAMAGED LINE ON LIFT, WAITING ON NEW UNIT, RIGGED UP WINCHES ,SET SLIPS CUT OFF CASING, CHANGE OUT B-SECTION ,NIPPLE UP ,SET PACK OFF,TEST,MUBHA #4 ,TIH DRILL ,CMT,PLUG,F/C, SHOE.

Planning Status :

## Elevations

GL : 2773.00 ft Reserve Pit Freeboard : 0.00 ft

## Progress

Days from Spud : 7 Progress : 0.00 ft MD at Report Time : 4970.00 ft

Rig on Location (days) : 13 Est. TD : 21599.00 ft TVD At Report Time : 4816.21 ft

## Event Dates

| Spud Date | Spud Time | Suspended Drilling Date | Resume Drilling Date | Total Depth Date | Total Depth Time | Finished Drilling Date | Finished Drilling Time | Rig Released Date | Rig Released Time |
|---|---|---|---|---|---|---|---|---|---|
| 3/16/2018 | 19:00 | | | | | | | | |

## Time Breakdown

Start Time : 00:00 Initial Depth : 0.00 ft Drilling Hours : 0.50 Total Drilling Hours : 81.50 Total Hours : 24.00 Time Code : DRILLING -

Drilling % : 2.08 Rotating % : 100.00 Sliding % : 0.00

| Start Time | End Time | Hours | Phase | Activity | | NPT | Bit # | Run # | Depth (ft) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Time Code | Description | | | | | |
| 00:00 | 01:30 | 1.50 | CSGIN1 | 16B | CEMENTING - PRIMARY | No | | | 4970.00 | CEMENT 10. 75" CSG AS FOLLOWS: PUMP 20 BFW SPACER F/ B LEAD 565 SXS ( 294 BBLS) 10% GEL + 0. 6% SMS + 0. 2% 0 - TX20 + 0. 25 # SX CELLOFLAKE + 5% SALT @ 11. 3 PPG ( 2. 92 YIELD), MIX & PUMP @ 3 - 5 BPM, THEN PUMPED TAIL CLASS C 310 SKS ( 73 BBLS) 0. 1% 0 - TX20 @ 14. 8 PPG ( 1. 33) YIELD, SHUT DOWN, DROP WIPER PLUG, DISPLACE CMT WITH 473 BBLS F/ W @ 6 - 8 BPM, BUMP PLUG @ 1600, FINAL LIFT 1090 PSI AT 3 BPM, RELEASE PRESSURE, FLOAT HELD WITH 2 BBL BLEED BACK, CIRC. NO CMT BACK TO SURFACE. |
| 01:30 | 02:00 | 0.50 | CSGIN1 | 16A | CEMENTING - RU/RD EQUIPMENT | No | | | 4970.00 | RIG DOWN OTEX LOAD OUT THE SAME. |
| 02:00 | 06:00 | 4.00 | CSGIN1 | 21C | NU / ND BOPE - OTHER | Yes | | | 4970.00 | REMOVE FLOWLINE, FILL UP LINE , TURN BUCKLES, RIG UP WINCHES, BREAK BOP BETWEEN A/ B SECTION, ATTEMPT TO RETRIEVE WEAR BUSHING , NO SUCCESS, BROKE WINCH LINE. |
| 06:00 | 11:00 | 5.00 | CSGIN1 | 21C | NU / ND BOPE - OTHER | Yes | | | 4970.00 | HELD SAFETY MEETING WITH MONAHANS NIPPLE UP CREW, RIG UP WINCHES, PICK UP BOP SET SLIPS ON 10 3/ 4 CASING, ROUGH CUT CASING , LAY CUT OFF DOWN THE SAME, PULL BOP BACK , ATTEMPTED TO RETRIVE WEAR BUSHING , NO SUCCESS, REMOVED B- SECTION WITH STUCK WEAR BUSHING , INSTALLED NEW B- SECTION, SET BOP BACK DOWN AND NIPPLED BACK UP. |
| 11:00 | 14:00 | 3.00 | CSGIN1 | 21C | NU / ND BOPE - OTHER | No | | | 4970.00 | RIG DOWM MONAHANS NIPPLE UP CREW / LOAD OUT WINCHES THE SAME. |
| 14:00 | 16:00 | 2.00 | CSGIN1 | 21C | NU / ND BOPE - OTHER | No | | | 4970.00 | MAKE UP PACK OFF ON DRILL PIPE RUN IN AND SET WITH 20K TEST PACK OFF TO 1500 PSI HALF OF CASING COLLAPS ( GOOD TEST ). |
| 16:00 | 18:00 | 2.00 | CSGIN1 | 22A | TEST BOPE - TEST BOPE | No | | | 4970.00 | HOLD SAFETY MEETING WITH MONAHANS TESTERS , SET TEST PLUG, TEST TOP OF A - SECTION, B - SECTION, ALL OF CHOKE, 250 LOW-- 5000 HIGH, ALL GOOD TEST. |
| 18:00 | 19:00 | 1.00 | CSGIN1 | 22A | TEST BOPE - TEST BOPE | No | | | 4970.00 | SET WEAR BUSHING, SCEW IN LOCK PINS, UNSTING OUT OF WEAR BUSHING, LAY DOWN JOINT OF DRILL PIPE AND PULLER. |
| 19:00 | 20:00 | 1.00 | CSGIN1 | 08A | TRIPPING - BIT/ BHA | No | | | 4970.00 | P/ U, M/ U, SCRIBE AND TEST BHA # 4 AS FOLLOWS: BHA # 4: BIT # 3- 9. 875" SMITH XZ616 SER# JN7079 W/ 6 - 16' S TFA= 1. 767 // 7. 75" PHOENIX/ NOV ADJ., MUD MOTOR SET @ 1. 50° ( 7/ 8 LOBE, 4 STG., . 16 REV/ GAL ) NMPC // XO // VELOCITY= ( XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11. 25 OD IBS // 9 - 8" DC' S // XO // 27 JNTS HWDP = TOT. LGTH. = 1178. 28'. |
| 20:00 | 22:30 | 2.50 | CSGIN1 | 08A | TRIPPING - BIT/ BHA | No | | | 4970.00 | TIH WITH BHA# 4 9. 875" 2ND INTERM. F/ SURFACE AND TAG CEMENT 4912', FILLED PIPE AND BROKE CIRC. |
| 22:30 | 23:30 | 1.00 | CSGIN1 | 23A | TESTING - CASING PRESSURE TEST | No | | | 4970.00 | SHUT PIPE RAMS AND TEST CASING TO 1500 PSI FOR 30 MINS / GOOD TEST. BLEED PRESSURE THROUGH CHOKE OPEN PIPE RAMS. |
| 23:30 | 00:00 | 0.50 | CSGIN1 | 02F | DRILLING - CMNT IN CASING/ SHOE | No | 03 | 1 | 4970.00 | DRILL CEMENT F/ 4912' T/ FLOAT COLLAR @ 2921, THEN DRILL GOOD CEMENT TO TOP OF SHOE AT 4963', WOB 5 - 10, GPMS 400, RPM 30. |

## Personnel Hours

| Vendor | Vendor Type | Number Of People | Hours On Site | Total Hours |
|---|---|---|---|---|

| | | | | |
|---|---|---|---|---|
| NEWLAND CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| AES DRILLING FLUIDS LLC | MUD ENGINEER | 1 | 24.00 | 24.00 |
| SCANDRILL INC | RIG CREWS | 12 | 24.00 | 288.00 |
| SCANDRILL INC | TOOLPUSHER | 1 | 24.00 | 24.00 |
| CRESCENT CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| PHOENIX DIRECTIONAL DRILLERS | | 4 | 24.00 | 96.00 |
| INDUSTRIAL & OILFIELD SERVICES INC | CONSULTANT | 1 | 24.00 | 24.00 |

**Rig Information**

| | | | | | |
|---|---|---|---|---|---|
| KB Elevation: | 2798.00 ft | KB To GL : | 25.00 ft | | |
| Rig(s) for today : | Scan Texas | Rig Manager : | ROCKY BROUMLEY | Rig Phone : | 432-400-2272 |
| Date and Time of Rig Release : | | Days From Rig Release : | 0.00 | Rig Fax : | |

**Safety**

| | | | | | |
|---|---|---|---|---|---|
| Last BOP Test(F) Date : | 3/18/2018 | Last BOP Pressure : | 5000.000 psi | Last Lot Fit : | 0.00 |
| Last Csg Date : | 3/18/2018 | Last Csg Pressure : | 250.000 psi | Last Spills Reported : | |
| Last BOP Drill Date : | | Last Test MW : | 0.00 | Last Accidents : | |
| Last Fire Drill : | | Last Test TVD : | 0.00 ft | Last Safety Meeting : | 3/20/2018 12:18 |
| Last Evac Drill : | | Last Test Pressure : | 0.000 psi | Last Safety Meeting Topic : | FIRST DAY BACK CREW CHANGE |

**Contacts**

| | | | | | |
|---|---|---|---|---|---|
| Day Sup. : | RAUL BAEZA | Phone : | 432-853-7484 | Superintendent : | SANTOS MOROLES | Phone : | 432-559-4901 |
| Night Sup. : | BRIAN EHRENBERG | Phone : | | Geologist : | ALBERT BONDURANT | Phone : | 205.568.5467 |
| Alt. Phone : | | | | Drill. Eng. : | BRANNON SMITH | Phone : | 432-818-1777 |

**Attachments**

Daily Attachment Folder(s)

# Daily Drilling Report P2

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 13 Report Date : 3/23/2018

## Operations

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

## Mud Data

Mud Engineer : KEVIN CARTWRIGHT Mud Type : Water Base Mud Polymer Type :

| Chk | Time | Depth (ft) | Density (lbs/gal) | FV (s/qt) | YP (lbs/100 ft²) | PV (cP) | WL (cc/30 min) | Cl (ppm) | Electro Static Stability | Oil Ratio | H2O Ratio | HTHP Water Loss(cc/30 min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:00 | 4970.0 | 10.20000 | 32.00 | 2 | 1.00 | 100.0 | 17800 | 0.0 | 0 | 0 | 0.0 |

## Bit Data

| Bit # | Run # | Size (in) | Mfg. | Model | IADC Code | Daily Drilled (ft) | Daily Hours | Daily ROP (ft/hr) | Cum Drilled (ft) | Cum Hrs. | Avg. ROP (ft/hr) | Depth In (ft) | Depth Out (ft) | Max WOB (M Lbs) | PSI Drop (psi) | Nozzle Velocity (ft/s) | HHP (HP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 03 | 1 | 9.875 | SMITH | XZ616 | | 0.00 | 0.50 | 0.00 | 0.00 | 0.50 | 0.00 | 4970.00 | 4970.00 | 25.000 | 342.68 | 193.82 | 142.3 |

## BHA Data

For Bit # : 03 Mud Motor : Total Made : 0 ft

Total BHA Hours : 85.5 Total Hours : 0.50

BHA # : 04 DC OD : 8.000 in DP OD : 5.000 in BHA Length : 1178.28 ft BHA Weight 0.00 M Lbs

| Item | Jts | Length (ft) | OD (in) | ID (in) | Coupling OD (in) | Weight (lbs/ft) | Thread Type | Pin/Box |
|---|---|---|---|---|---|---|---|---|
| BITS | 1 | 1.00 | 9.875 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Pin |
| MUD MOTOR | 1 | 27.10 | 8.650 | 0.000 | 0.000 | 0.000 | 6 5/8 | Box |
| NON- MAG COLLAR | 1 | 11.31 | 8.110 | 3.170 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 1.63 | 8.010 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 3.72 | 8.210 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 8.52 | 8.230 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 3.56 | 8.150 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| NON- MAG COLLAR | 1 | 28.96 | 8.000 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| COLLARS | 9 | 268.76 | 8.000 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 2.18 | 7.790 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| DRILLPIPE | 27 | 821.54 | 5.000 | 3.000 | 0.000 | 0.000 | 4 1/2 IF | Box |

## Drilling Parameters

| Bit # | Run # | Depth (ft) | WOB (M Lbs) | RPM | | GPM | Torque | | String Weight | | | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Motor | Rotary | | On Bom (ft lbf) | Off Bom (ft lbf) | Pick Up (lbs) | Stack Off (lbs) | Rotate (lbs) | On Bom (psi) | Off Bom (psi) | Diff Press. (psi) |
| 03 | 1 | 4970.00 | 25.000 | 113 | 85 | 710 | 8000.00 | 0.00 | 155 | 150 | 155 | 2200.0 | 1900.0 | 300.0 |

## Pump Data

| Bit # | Pump 1 | | | | | Pump 2 | | | | | Pump Pressure (psi) | AV DC (ft/min) | AV DP (ft/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | | | |
| 03 | BOMCO 1600 | 12.000 | 6.000 | 85 | 355.856 | BOMCO 1600 | 12.000 | 6.000 | 85 | 355.856 | 1778.00 | 520 | 241 |

## Reduced Speed Pumps

| Depth(ft) | Pump 1 | | | Pump 2 | | |
|---|---|---|---|---|---|---|
| | Model | Pressure (psi) | SPM | Model | Pressure (psi) | SPM |
| 4970.00 | BOMCO 1600 | 140.0 | 30 | BOMCO 1600 | 160.0 | 30 |
| 4970.00 | BOMCO 1600 | 240.0 | 40 | BOMCO 1600 | 240.0 | 40 |

# Daily Drilling Report P3

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 13 Report Date : 3/23/2018

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

**Drill Bottom Hole Targets**

| Bottom Hole Location | API / License # |
|---|---|

**Survey Data**

| Depth (ft) | Deviation | Azimuth | TVD (ft) | N/S | N/S (ft) | E/W | E/W (ft) | Vertical Section (ft) | Dog Leg |
|---|---|---|---|---|---|---|---|---|---|

**Hook Loads**

| | | |
|---|---|---|
| Up : | 168000 | |
| Down : | 164000 | |
| Rotating : | 165 | |
| Torque : | 0 | Amps |
| Torque : | 8000.00 | ft lbf |

**Comments**

UL 20 STRIPES 38-47-601H RIG MOBILIZATION BEGAN: 3/11/18 @ 13:00HRS.
RIG ON DAYRATE @ 04:30 HRS, 03/16/2018
SPUD WELL @ 1900 HRS, 03-16-18
(108 HR. RIG MOVE)
RELEASED RIG OFF OF PEGASUS 23-35-16#251H ON 03/11/18 @ 13:00 HRS .

NOTIFIED TRRC: SPUD/SURFACE: 03/15/17,10 AM, MICHELLE, JOB #123292
NOTIFIED TRRC: INTERMENT-03/22/18, 6:00AM, NAOMI, JOB # 123292
NOTIFIED TRRC: 2ND INTERMEDIATE: XXXXX
NOTIFIED TRRC: PRODUCTION: XXXX

RESUMED DRILLING OPERATIONAL HRS. = 173 ( 7.20 DAYS)

RIVERBOAT 33-71 602H 11-27-17: INSPECT 370 OF 372 JOINTS OF SCAN RIG PIPE BY RED RIVER TO DS1 CAT-4 PLUS UTEA, HAVE 368 JTS PREMIUM READY(1 JT CLASS 5 RED BAND (CRACKED) 1 JT CLASS 2 YELLOW BAND) 3 CONNECTIONS NEED SHOPPED. ALSO ALL PIPE NEEDS REHARDBANDING, WILL DO HALF OF STRING THIS WELL & THE OTHER ON NEXT WELL. (RECIEVED REPAIRED JOINTS FROM SHOP, REPLACED BAD JOINTS, TOTAL SCAN DP COUNT ON SPECTRE STATE 54-4 801H (372 PREMIUM JOINTS).

DAYS SINCE LAST LTA: (1252 DAYS ): LAST OSHA RECORDABLE INCIDENT: ( 489 )

CREW SHORTAGES ( LAST 24HRS / TOTAL HRS ): 0 / 0
CREW DOUBLES (LAST 24 HRS / TOTAL HRS): 0 / 0
NON PRODUCTIVE TIME (LAST 24HRS / TOTAL HRS): 16.5 HRS. / 18 HRS.
RIG DOWNTIME CODE 8: (LAST 24 HRS / TOTAL HRS ON WELL) – 0 HRS / 1.5 HRS
1.5 HRS CODE 8 ON 3/17/18 STRIPES 601H

20" CONDUCTER SET @ 146'
13 3/8" SURFACE: SET @ 437' W/FC @ 394' CIRC 31 BBLS CMT
10 3/4" 1 INTERMEDIATE: SET @ 4965' NO CMT TO SUF
7 5/8" 2 INTERMEDIATE SET @
5 1/2" PRODUCTION: SET @

OBM LOST TO WELL (LAST 24 HRS / TOTAL BBLS): XX BBLS / XXXX BBLS

OBM LOST BEHIND CASING: 0 BBLS
OBM LOST: 0 BBLS TO FORMATION// TOTAL=XXX BBLS
OBM LOST: 0 BBLS TO CUTTINGS // TOTAL= XXX BBLS
OBM LOST: XX BBLS// TOTAL = XXX BBLS TO CLEANING PITS,DISCHARGE OVER SHAKERS, LOST ON DISPLACEMENT, SURFACE LOSSES, CENTRIFUGE LOSSES
ADDITIONS- XXX BBL RECIEVED FROM KERMIT ON 3/XX/18// OTHER ADDITIONS XX BBL
OBM RECOVERED FROM NOV DRYER SHAKERS -0 BBL/ 0 BBLS RECOVERED TO DATE.
STARTING OBM VOLUME: XXXX BBLS TOTAL VOLUME: XXXX BBLS
TRANSFERRED OUT 0 BBLS

STARTING RIG FUEL: RIG = 1754 GALS TRANSFERED FROM PEGUSAS 23-35-16 #251 0 GALS OBM DIESEL, 0 GALS AUX. DIESEL

DIESEL USAGE:
RIG FUEL ( DAILY/TOTAL ): 431/ 6153 GALS
MUD DIESEL ( DAILY/TOTAL ): 0/000 GALS
AUXILIARY EQUIPMENT (DAILY/TOTAL): 22 / 467 GALS
CERTARUS CNG (DAILY/ TOTAL) 621.57 MCF / 5634.09 TOTAL MCF

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ORIGINAL TARGET LINE - @11,755 TVD 90° 163.73 AZM

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***NO LEAKS OR SPILLS REPORTED OR OBSERVED***

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BHA #4: BIT #3-9.875" SMITH XZ616 SER# JN7079 W/ 6-16'S TFA= 1.767 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1178.28' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 4970' // DEPTH OUT XXX' // FTG. DRILLED XXX' // TOTAL DRLG HRS. XXX // TOTAL MTR HRS. XXX // AVG R.O.P. XXX FPH // REASON PULLED = ? // BIT GRADE= XXXXXX

BHA #3: BIT #2-12.250" SMITH XS716S SER# ED1338 W/ 2-14'S & 5 X 15'S TFA= 1.163 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 11.25 OD IBS // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // = TOT. LGTH. = 370.23' // BIT TO BEND 6.43 // BIT TO SURVEY 57' // BIT TO GAMMA 52.81' // DEPTH IN 445' // DEPTH OUT 4970' // FTG. DRILLED 4525' // TOTAL DRLG HRS. 62 // TOTAL MTR HRS. 68 // AVG R.O.P. 72.2 FPH // REASON PULLED = TD CASING POINT ? // BIT GRADE= 1-5-BT-S-1-BT-TD

BHA #2: RE-RUN BIT #1-17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" BIT SUB // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 253.16' // BIT TO SURVEY 48' // BIT TO GAMMA 31' // DEPTH IN 300' // DEPTH OUT 445' // FTG. DRILLED 145' // TOTAL DRLG HRS. 3.5 // TOTAL MTR HRS. N/A // AVG R.O.P. 41.4 FPH // REASON PULLED = TD // BIT GRADE=1-2-NO-G-I-NO-TD

BHA #1: 17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 278.09' // BIT TO BEND 6.43' // BIT TO SURVEY 76' // BIT TO GAMMA 59' // DEPTH IN 146' // DEPTH OUT 300' // FTG. DRILLED 154' // TOTAL DRLG HRS. 15.5 // TOTAL MTR HRS. 18 // AVG R.O.P. 9.94 FPH // REASON PULLED = P-RATE // BIT GRADE = 1-2-NO-G-I-NO-PR

## Solids Removal

### Shakers

| Shaker # | Bottom | Middle | Top |
|---|---|---|---|

### Other Solids Removal Equipment

| Item | Hrs Run | Intake Density (lbs/gal) | Overflow Density (lbs/gal) | Underflow Density (lbs/gal) |
|---|---|---|---|---|

## Mud Log

Formation : Cherry Canyon
Background Gas :
Connection Gas :
Flare Length :
Trip Calc :

## Well Incident

Report # :
Incident Date :
Report Date :
Problem Name :

# Daily Drilling Report P1

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 14 Report Date : 3/24/2018

## Financials

Daily Cost : $40,745 Cost to Date : $1,380,788

AFE # : PB18100002

AFE : $10,772,650 AFE Cost to Date : $1,380,788

## Operations

Event Objective : Scan Texas D&C DB DEV WC A Event Sub Type : Drilling Prod

A.M. Ops : DRILL 9 7/8' INTERM 2 F/7880' - T/8294' (414' @ 69 FPH) MW 9.2 PPG

Ops Forecast : DRILL 9 7/8' INTERM 2 TOWARD +/- 11070 KOP.

24hr. Summary : DRILLED 9.875" INTERM 2 F/4970' T/7880' (2910' @ 123.8 FPH).

Planning Status :

## Elevations

GL 2773.00 ft Reserve Pit Freeboard : 0.00 ft

## Progress

Days from Spud : 8 Progress : 2910.00 ft MD at Report Time : 7880.00 ft

Rig on Location (days) : 14 Est. TD : 21599.00 ft TVD At Report Time : 7734.94 ft

## Event Dates

| Spud Date | Spud Time | Suspended Drilling Date | Resume Drilling Date | Total Depth Date | Total Depth Time | Finished Drilling Date | Finished Drilling Time | Rig Released Date | Rig Released Time |
|---|---|---|---|---|---|---|---|---|---|
| 3/16/2018 | 19:00 | | | | | | | | |

## Time Breakdown

Start Time : 00:00 Initial Depth : 0.00 ft Drilling Hours : 23.50 Total Drilling Hours : 105.00 Total Hours : 24.00 Time Code : DRILLING -

Drilling % : 97.92 Rotating % : 95.74 Sliding % : 4.26

| Start Time | End Time | Hours | Phase | Activity | | NPT | Bit # | Run # | Depth (ft) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Time Code | Description | | | | | |
| 00:00 | 03:30 | 3.50 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 03 | 1 | 5130.00 | ROT. DRILL 9. 875" INTM 2, F/ 4970' - T/ 5130' ( 160' @ 45. 7 FPH ) WOB 25- 30K, RPM 45 - 55, GPM 586, MRPM 93, SPP 2400/ 2650 PSI., DIFF 250 PSI., TQ. 3 - 5K, DRILLING DOWN FLOW LINE WITH FULL RETURNS , NO GAINS OR LOSSES, MW 9. 5 PPG 29 VIS. |
| 03:30 | 04:30 | 1.00 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 03 | 1 | 5250.00 | ROT. DRILL 9. 875" INTM 2, F/ 5130' - T/ 5250' ( 120' @ 120 FPH ) WOB 25- 30K, RPM 70, GPM 586, MRPM 93, SPP 2400/ 2650 PSI., DIFF 250 PSI., TQ. 10 - 13K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 04:30 | 05:30 | 1.00 | DRLIN1 | 02M | DRILLING - DRILLING - SLIDING | No | 03 | 1 | 5275.00 | SLIDE DRILL 9. 875" INTM 2 F/ 5250' - T/ 5275' ( 25' @ 25FPH ) 280M TF, WOB 10K, GPM 750, MRPM 120, SPP 2400/ 2550 PSI., DIFF 100 PSI., DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 05:30 | 09:00 | 3.50 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 03 | 1 | 5791.00 | ROT. DRILL 9. 875" INTM 2, F/ 5275' - T/ 5791' ( 516' @ 147. 4 FPH ) WOB 25- 30K, RPM 65, GPM 750, MRPM 120 , SPP 2550/ 2900 PSI., DIFF 350 PSI., TQ. 12/ 14K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 09:00 | 12:00 | 3.00 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 03 | 1 | 6274.00 | ROT. DRILL 9. 875" INTM 2, F/ 5791' - T/ 6274' ( 483' @ 161 FPH ) WOB 25- 30K, RPM 65, GPM 750, MRPM 120 , SPP 2400/ 22800 PSI., DIFF 400 PSI., TQ. 10/ 13K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 12:00 | 15:00 | 3.00 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 03 | 1 | 6746.00 | ROT. DRILL 9. 875" INTM 2, F/ 6274' - T/ 6746' ( 472' @ 157 FPH ) WOB 25- 30K, RPM 65, GPM 750, MRPM 120 , SPP 2650/ 2850 PSI., DIFF 200 PSI., TQ. 10/ 13K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 15:00 | 15:30 | 0.50 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 03 | 1 | 6842.00 | ROT. DRILL 9. 875" INTM 2, F/ 6746' - T/ 6842' ( 96' @ 32 FPH ) WOB 25- 30K, RPM 65, GPM 750, MRPM 120 , SPP 2650/ 2850 PSI., DIFF 200 PSI., TQ. 10/ 13K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 15:30 | 16:00 | 0.50 | DRLIN1 | 10A | LUB RIG - DAILY SERVICE | No | 03 | 1 | 6842.00 | SERVICE TOP DRIVE / DW. |
| 16:00 | 18:00 | 2.00 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 03 | 1 | 7113.00 | ROT. DRILL 9. 875" INTM 2, F/ 6248' - T/ 7113' ( 271' @ 135. 5 FPH ) WOB 25- 30K, RPM 65, GPM 750, MRPM 120 , SPP 2600/ 2900 PSI., DIFF 300 PSI., TQ. 10/ 13K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 18:00 | 21:00 | 3.00 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 03 | 1 | 7550.00 | ROT. DRILL 9. 875" INTM 2, F/ 7113' - T/ 7550' ( 437' @ 145. 6 FPH ) WOB 25- 30K, RPM 65, GPM 750, MRPM 120 , SPP 2600/ 2900 PSI., DIFF 300 PSI., TQ. 10/ 13K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 6 PPG 29 VIS. |
| 21:00 | 00:00 | 3.00 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 03 | 1 | 7880.00 | ROT. DRILL 9. 875" INTM 2, F/ 7553' - T/ 7880' ( 327' @ 109. 0 FPH ) WOB 25- 30K, RPM 65, GPM 750, MRPM 120 , SPP 2600/ 2900 PSI., DIFF 300 PSI., TQ. 10/ 13K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |

## Personnel Hours

| Vendor | Vendor Type | Number Of People | Hours On Site | Total Hours |
|---|---|---|---|---|
| NEWLAND CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| AES DRILLING FLUIDS LLC | MUD ENGINEER | 1 | 24.00 | 24.00 |
| SCANDRILL INC | RIG CREWS | 12 | 24.00 | 288.00 |
| SCANDRILL INC | TOOLPUSHER | 1 | 24.00 | 24.00 |

| | | | | |
|---|---|---|---|---|
| CRESCENT CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| PHOENIX DIRECTIONAL DRILLERS | | 4 | 24.00 | 96.00 |
| INDUSTRIAL & OILFIELD SERVICES INC | CONSULTANT | 1 | 24.00 | 24.00 |

**Rig Information**

| | | | | | |
|---|---|---|---|---|---|
| KB Elevation: | 2798.00 ft | KB To GL : | 25.00 ft | | |
| Rig(s) for today : | Scan Texas | Rig Manager : | ROCKY BROUMLEY | Rig Phone : | 432-400-2272 |
| Date and Time of Rig Release : | | Days From Rig Release : | 0.00 | Rig Fax : | |

**Safety**

| | | | | | |
|---|---|---|---|---|---|
| Last BOP Test(F) Date : | 3/18/2018 | Last BOP Pressure : | 5000.000 psi | Last Lot Fit : | 0.00 |
| Last Csg Date : | 3/22/2018 | Last Csg Pressure : | 1500.000 psi | Last Spills Reported : | |
| Last BOP Drill Date : | | Last Test MW : | 0.00 | Last Accidents : | |
| Last Fire Drill : | | Last Test TVD : | 0.00 ft | Last Safety Meeting : | 3/23/2018 18:00 |
| Last Evac Drill : | | Last Test Pressure : | 0.000 psi | Last Safety Meeting Topic : | MIXING KILL MUD / BUILDING STAN |

**Contacts**

| | | | | | |
|---|---|---|---|---|---|
| Day Sup. : | RAUL BAEZA | Phone : | 432-853-7484 | Superintendent : | SANTOS MOROLES | Phone : | 432-559-4901 |
| Night Sup. : | BRIAN EHRENBERG | Phone : | | Geologist : | ALBERT BONDURANT | Phone : | 205.568.5467 |
| Alt. Phone : | | | | Drill. Eng. : | BRANNON SMITH | Phone : | 432-818-1777 |

**Attachments**

Daily Attachment Folder(s)

# Daily Drilling Report P2

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 14 Report Date : 3/24/2018

## Operations

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

## Mud Data

Mud Engineer : KEVIN CARTWRIGHT Mud Type : Water Base Mud Polymer Type :

| Chk | Time | Depth (ft) | Density (lbs/gal) | FV (s/qt) | YP (lbs/100 ft²) | PV (cP) | WL (cc/30 min) | Cl (ppm) | Electro Static Stability | Oil Ratio | H2O Ratio | HTHP Water Loss(cc/30 min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19:00 | 7275.0 | 9.30000 | 26.00 | 1 | 1.00 | 100.0 | 10000 | 0.0 | 0 | 0 | 0.0 |

## Bit Data

| Bit # | Run # | Size (in) | Mfg. | Model | IADC Code | Daily Drilled (ft) | Daily Hours | Daily ROP (ft/hr) | Cum Drilled (ft) | Cum Hrs. | Avg. ROP (ft/hr) | Depth In (ft) | Depth Out (ft) | Max WOB (M Lbs) | PSI Drop (psi) | Nozzle Velocity (ft/s) | HHP (HP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 03 | 1 | 9.875 | SMITH | XZ616 | | 2910.0 | 23.50 | 123.83 | 2910.00 | 24.00 | 121.25 | 4970.00 | 7880.00 | 25.000 | 350.283 | 205.22 | 154.0 |

## BHA Data

For Bit # : 03 Mud Motor : Total Made : 0 ft

Total BHA Hours : 109.0 Total Hours : 0.00

BHA # : DC OD : 8.000 in DP OD : 5.000 in BHA Length : 0.00 ft BHA Weight 0.00 M Lbs

| Item | Jts | Length (ft) | OD (in) | ID (in) | Coupling OD (in) | Weight (lbs/ft) | Thread Type | Pin/Box |
|---|---|---|---|---|---|---|---|---|

## Drilling Parameters

| Bit # | Run # | Depth (ft) | WOB (M Lbs) | RPM | | GPM | Torque | | String Weight | | | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Motor | Rotary | | On Bom (ft lbf) | Off Bom (ft lbf) | Pick Up (lbs) | Stack Off (lbs) | Rotate (lbs) | On Bom (psi) | Off Bom (psi) | Diff Press. (psi) |
| 03 | 1 | 7880.00 | 25.000 | 120 | 60 | 710 | 8000.00 | 0.00 | 240 | 210 | 215 | 2900.0 | 2600.0 | 300.0 |

## Pump Data

| Bit # | Pump 1 | | | | | Pump 2 | | | | | Pump Pressure (psi) | AV DC (ft/min) | AV DP (ft/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | | | |
| 03 | BOMCO 1600 | 12.000 | 6.000 | 90 | 376.788 | BOMCO 1600 | 12.000 | 6.000 | 90 | 376.788 | 1778.00 | 551 | 255 |

## Reduced Speed Pumps

| Depth(ft) | Pump 1 | | | Pump 2 | | |
|---|---|---|---|---|---|---|
| | Model | Pressure (psi) | SPM | Model | Pressure (psi) | SPM |
| 6936.00 | BOMCO 1600 | 360.0 | 30 | BOMCO 1600 | 280.0 | 30 |
| 6936.00 | BOMCO 1600 | 280.0 | 40 | BOMCO 1600 | 380.0 | 40 |

# Daily Drilling Report P3

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 14 Report Date : 3/24/2018

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

**Drill Bottom Hole Targets**

| Bottom Hole Location | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Survey Data**

| Depth (ft) | Deviation | Azimuth | TVD (ft) | N/S | N/S (ft) | E/W | E/W (ft) | Vertical Section (ft) | Dog Leg |
|---|---|---|---|---|---|---|---|---|---|
| 4998.00 | 0.45 | 182.7 | 4997.20 | | 2.26 | | 21.59 | 3.88 | 0.26 |
| 5092.00 | 0.45 | 165.2 | 5091.20 | | 1.54 | | 21.66 | 4.59 | 0.14 |
| 5187.00 | 0.64 | 163.3 | 5186.19 | | 0.67 | | 21.91 | 5.50 | 0.20 |
| 5281.00 | 0.75 | 243.4 | 5280.19 | | -0.11 | | 21.51 | 6.13 | 0.94 |
| 5376.00 | 1.07 | 257.1 | 5375.18 | | -0.59 | | 20.09 | 6.19 | 0.40 |
| 5470.00 | 1.23 | 260.8 | 5469.16 | | -0.95 | | 18.24 | 6.02 | 0.18 |
| 5565.00 | 1.05 | 256.1 | 5564.14 | | -1.32 | | 16.39 | 5.86 | 0.21 |
| 5659.00 | 1.20 | 256.9 | 5658.12 | | -1.75 | | 14.59 | 5.77 | 0.16 |
| 5754.00 | 0.87 | 252.2 | 5753.11 | | -2.19 | | 12.94 | 5.73 | 0.35 |
| 5848.00 | 0.95 | 254.5 | 5847.09 | | -2.62 | | 11.51 | 5.74 | 0.09 |
| 5943.00 | 0.83 | 267.4 | 5942.08 | | -2.86 | | 10.06 | 5.57 | 0.24 |
| 6037.00 | 0.94 | 256.9 | 6036.07 | | -3.07 | | 8.63 | 5.36 | 0.20 |
| 6131.00 | 0.92 | 267.1 | 6130.06 | | -3.28 | | 7.12 | 5.14 | 0.17 |
| 6226.00 | 0.86 | 273.8 | 6225.05 | | -3.27 | | 5.65 | 4.72 | 0.13 |
| 6320.00 | 0.78 | 275.2 | 6319.04 | | -3.17 | | 4.31 | 4.25 | 0.09 |
| 6415.00 | 0.67 | 280.8 | 6414.03 | | -3.01 | | 3.12 | 3.76 | 0.14 |
| 6509.00 | 0.63 | 272.9 | 6508.02 | | -2.88 | | 2.06 | 3.34 | 0.10 |
| 6604.00 | 0.55 | 269.7 | 6603.02 | | -2.85 | | 1.09 | 3.04 | 0.09 |
| 6698.00 | 0.73 | 273.0 | 6697.01 | | -2.83 | | 0.04 | 2.72 | 0.19 |
| 6792.00 | 0.84 | 263.4 | 6791.00 | | -2.87 | | -1.24 | 2.41 | 0.18 |
| 6886.00 | 0.66 | 247.3 | 6885.00 | | -3.16 | | -2.43 | 2.36 | 0.29 |
| 6981.00 | 0.68 | 266.4 | 6979.99 | | -3.41 | | -3.50 | 2.29 | 0.23 |
| 7075.00 | 0.66 | 268.9 | 7073.98 | | -3.45 | | -4.59 | 2.03 | 0.04 |
| 7169.00 | 0.53 | 256.5 | 7167.98 | | -3.57 | | -5.56 | 1.87 | 0.19 |
| 7264.00 | 0.64 | 263.0 | 7262.97 | | -3.73 | | -6.51 | 1.76 | 0.13 |
| 7358.00 | 0.83 | 258.6 | 7356.97 | | -3.93 | | -7.70 | 1.62 | 0.21 |
| 7452.00 | 0.35 | 182.4 | 7450.96 | | -4.36 | | -8.38 | 1.83 | 0.86 |
| 7547.00 | 0.75 | 217.3 | 7545.96 | | -5.14 | | -8.77 | 2.48 | 0.52 |
| 7641.00 | 0.77 | 190.0 | 7639.95 | | -6.25 | | -9.25 | 3.41 | 0.38 |
| 7736.00 | 0.91 | 193.2 | 7734.94 | | -7.62 | | -9.53 | 4.64 | 0.15 |

**Hook Loads**

| | | |
|---|---|---|
| Up : | 240000 | |
| Down : | 210000 | |
| Rotating : | 215000 | |
| Torque : | 0 | Amps |
| Torque : | 17.00 | ft lbf |

**Comments**

UL 20 STRIPES 38-47-601H RIG MOBILIZATION BEGAN: 3/11/18 @ 13:00HRS.
RIG ON DAYRATE @ 04:30 HRS, 03/16/2018
SPUD WELL @ 1900 HRS, 03-16-18
(108 HR. RIG MOVE)
RELEASED RIG OFF OF PEGASUS 23-35-16#251H ON 03/11/18 @ 13:00 HRS .

NOTIFIED TRRC: SPUD/SURFACE: 03/15/17,10 AM, MICHELLE, JOB #123292
NOTIFIED TRRC: INTERMENT-03/22/18, 6:00AM, NAOMI, JOB # 123292
NOTIFIED TRRC: 2ND INTERMEDIATE: XXXXX
NOTIFIED TRRC: PRODUCTION: XXXX

RESUMED DRILLING OPERATIONAL HRS. = 197 ( 8.20 DAYS)

RIVERBOAT 33-71 602H 11-27-17: INSPECT 370 OF 372 JOINTS OF SCAN RIG PIPE BY RED

RIVER TO DS1 CAT-4 PLUS UTEA, HAVE 368 JTS PREMIUM READY(1 JT CLASS 5 RED BAND (CRACKED) 1 JT CLASS 2 YELLOW BAND) 3 CONNECTIONS NEED SHOPPED. ALSO ALL PIPE NEEDS REHARDBANDING, WILL DO HALF OF STRING THIS WELL & THE OTHER ON NEXT WELL. (RECIEVED REPAIRED JOINTS FROM SHOP, REPLACED BAD JOINTS, TOTAL SCAN DP COUNT ON SPECTRE STATE 54-4 801H (372 PREMIUM JOINTS).

DAYS SINCE LAST LTA: (1253 DAYS ): LAST OSHA RECORDABLE INCIDENT: ( 490 )

CREW SHORTAGES ( LAST 24HRS / TOTAL HRS ): 0 / 0
CREW DOUBLES (LAST 24 HRS / TOTAL HRS): 0 / 0
NON PRODUCTIVE TIME (LAST 24HRS / TOTAL HRS): 16.5 HRS. / 18 HRS.
RIG DOWNTIME CODE 8: (LAST 24 HRS / TOTAL HRS ON WELL) – 0 HRS / 1.5 HRS
1.5 HRS CODE 8 ON 3/17/18 STRIPES 601H

20" CONDUCTER SET @ 146'
13 3/8" SURFACE: SET @ 437' W/FC @ 394' CIRC 31 BBLS CMT
10 3/4" 1 INTERMEDIATE: SET @ 4965' NO CMT TO SUF
7 5/8" 2 INTERMEDIATE SET @
5 1/2" PRODUCTION: SET @

OBM LOST TO WELL (LAST 24 HRS / TOTAL BBLS): XX BBLS / XXXX BBLS
OBM LOST BEHIND CASING: 0 BBLS
OBM LOST: 0 BBLS TO FORMATION// TOTAL=XXX BBLS
OBM LOST: 0 BBLS TO CUTTINGS // TOTAL= XXX BBLS
OBM LOST: XX BBLS// TOTAL = XXX BBLS TO CLEANING PITS,DISCHARGE OVER SHAKERS, LOST ON DISPLACEMENT, SURFACE LOSSES, CENTRIFUGE LOSSES
ADDITIONS- XXX BBL RECIEVED FROM KERMIT ON 3/XX/18// OTHER ADDITIONS XX BBL
OBM RECOVERED FROM NOV DRYER SHAKERS -0 BBL/ 0 BBLS RECOVERED TO DATE.
STARTING OBM VOLUME: XXXX BBLS TOTAL VOLUME: XXXX BBLS
TRANSFERRED OUT 0 BBLS

STARTING RIG FUEL: RIG = 1754 GALS TRANSFERED FROM PEGUSAS 23-35-16 #251 0 GALS OBM DIESEL, 0 GALS AUX. DIESEL

DIESEL USAGE:
RIG FUEL ( DAILY/TOTAL ): 1602/ 7755 GALS
MUD DIESEL ( DAILY/TOTAL ): 0/000 GALS
AUXILIARY EQUIPMENT (DAILY/TOTAL): 72 / 539 GALS
CERTARUS CNG (DAILY/ TOTAL) 1236 MCF / 6870.09.09 TOTAL MCF

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ORIGINAL TARGET LINE - @11,755 TVD 90° 163.73 AZM

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***NO LEAKS OR SPILLS REPORTED OR OBSERVED***

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BHA #4: BIT #3-9.875" SMITH XZ616 SER# JN7079 W/ 6-16'S TFA= 1.767 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1178.28' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 4970' // DEPTH OUT XXX' // FTG. DRILLED XXX' // TOTAL DRLG HRS. XXX // TOTAL MTR HRS. XXX // AVG R.O.P. XXX FPH // REASON PULLED = ? // BIT GRADE= XXXXXX

BHA #3: BIT #2-12.250" SMITH XS716S SER# ED1338 W/ 2-14'S & 5 X 15'S TFA= 1.163 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 11.25 OD IBS // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // = TOT. LGTH. = 370.23' // BIT TO BEND 6.43 // BIT TO SURVEY 57' // BIT TO GAMMA 52.81' // DEPTH IN 445' // DEPTH OUT 4970' // FTG. DRILLED 4525' // TOTAL DRLG HRS. 62 // TOTAL MTR HRS. 68 // AVG R.O.P. 72.2 FPH // REASON PULLED = TD CASING POINT ? // BIT GRADE= 1-5-BT-S-1-BT-TD

BHA #2: RE-RUN BIT #1-17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" BIT SUB // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 253.16' // BIT TO SURVEY 48' // BIT TO GAMMA 31' // DEPTH IN 300' // DEPTH OUT 445' // FTG. DRILLED 145' // TOTAL DRLG HRS. 3.5 // TOTAL MTR HRS. N/A // AVG R.O.P. 41.4 FPH // REASON PULLED = TD // BIT GRADE=1-2-NO-G-I-NO-TD

BHA #1: 17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 278.09' // BIT TO BEND 6.43' // BIT TO SURVEY 76' // BIT TO GAMMA 59' // DEPTH IN 146' // DEPTH OUT 300' // FTG. DRILLED 154' // TOTAL DRLG HRS. 15.5 // TOTAL MTR HRS. 18 // AVG R.O.P. 9.94 FPH // REASON PULLED = P-RATE // BIT GRADE = 1-2-NO-G-I-NO-PR

## Solids Removal

### Shakers

| Shaker # | Bottom | Middle | Top | |
|---|---|---|---|---|

### Other Solids Removal Equipment

| Item | Hrs Run | Intake Density (lbs/gal) | Overflow Density (lbs/gal) | Underflow Density (lbs/gal) | |
|---|---|---|---|---|---|

## Mud Log

Formation : Brushy Canyon

Background Gas : 200 Connection Gas : 438 Flare Length : NONE

Trip Calc :

## Well Incident

Report # : Incident Date : Report Date :

Problem Name :

# Daily Drilling Report P1

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 15 Report Date : 3/25/2018

**Financials**

Daily Cost : $81,075 Cost to Date : $1,461,863

AFE # : PB18100002

AFE : $10,772,650 AFE Cost to Date : $1,461,863

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A Event Sub Type : Drilling Prod

A.M. Ops : DRILL 9.875' INTERM 2 F/8568' - T/8825' (257' @ 43 FPH) MW 9.2 PPG

Ops Forecast : DRILL 9.875' INTERM 2 TOWARD +/- 11070 KOP.

24hr. Summary : DRILLED 9.875" INTERM 2 F/7880' T/8568' (688' @ 50.9 FPH), CBU, LEVEL DERRICK, SLUG WITH 40 BBLS 11.5 PPG, POOH CHANGE BIT AND MOTOR, P/U BHA #5, T.I.H. TO

Planning Status :

**Elevations**

GL 2773.00 ft Reserve Pit Freeboard : 0.00 ft

**Progress**

Days from Spud : 9 Progress : 688.00 ft MD at Report Time : 8568.00 ft

Rig on Location (days) : 15 Est. TD : 21599.00 ft TVD At Report Time : 8489.84 ft

**Event Dates**

| Spud Date | Spud Time | Suspended Drilling Date | Resume Drilling Date | Total Depth Date | Total Depth Time | Finished Drilling Date | Finished Drilling Time | Rig Released Date | Rig Released Time |
|---|---|---|---|---|---|---|---|---|---|
| 3/16/2018 | 19:00 | | | | | | | | |

**Time Breakdown**

Start Time : 00:00 Initial Depth : 0.00 ft Drilling Hours : 37.50 Total Drilling Hours : 142.50 Total Hours : 48.00 Time Code : DRILLING -

Drilling % : 78.13 Rotating % : 100.00 Sliding % : 0.00

| Start Time | End Time | Hours | Phase | Activity Time Code | Activity Description | NPT | Bit # | Run # | Depth (ft) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| 00:00 | 03:00 | 3.00 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 03 | 1 | 8120.00 | ROT. DRILL 9. 875" INTM 2, F/ 7880' - T/ 8120' ( 240' @ 80. 0 FPH ) WOB 25- 30K, RPM 60, GPM 750, MRPM 120 , SPP 2600/ 2900 PSI., DIFF 300 PSI., TQ. 14/ 17K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 03:00 | 03:00 | 24.00 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 03 | 1 | 8300.00 | ROT. DRILL 9. 875" INTM 2, F/ 8120' - T/ 8300' ( 180' @ 60. 0 FPH ) WOB 25- 30K, RPM 60, GPM 750, MRPM 120 , SPP 2600/ 2800 PSI., DIFF 200 PSI., TQ. 14/ 17K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 03:00 | 09:00 | 6.00 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 03 | 1 | 8415.00 | ROT. DRILL 9. 875" INTM 2, F/ 8300' - T/ 8415' ( 115' @ 38. 0 FPH ) WOB 25- 30K, RPM 60, GPM 650, MRPM 104 , SPP 2100/ 2200 PSI., DIFF 200 PSI., TQ. 14/ 17K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 09:00 | 12:00 | 3.00 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 03 | 1 | 8553.00 | ROT. DRILL 9. 875" INTM 2, F/ 8415' - T/ 8553' ( 138' @ 46. 0 FPH ) WOB 30- 35K, RPM 40, GPM 650, MRPM 104 , SPP 2100/ 2200 PSI., DIFF 200 PSI., TQ. 14/ 17K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 12:00 | 12:30 | 0.50 | DRLIN1 | 07C | C & C MUD - PRIOR TO TRIP | No | 03 | 1 | 8553.00 | CIRCULATE , ATTEMPT TO CLEAN HOLE. |
| 12:30 | 13:30 | 1.00 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 03 | 1 | 8563.00 | ROT. DRILL 9. 875" INTM 2, F/ 8553' - T/ 8553' ( 10' @ 10. 0 FPH ) WOB 30- 35K, RPM 40, GPM 650, MRPM 104 , SPP 2100/ 2200 PSI., DIFF 200 PSI., TQ. 14/ 17K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 13:30 | 14:00 | 0.50 | DRLIN1 | 07C | C & C MUD - PRIOR TO TRIP | No | 03 | 1 | 8563.00 | DOWN LINK MWD TOOL, PUMP SLUG 40 BBLS STKS 401 |
| 14:00 | 14:30 | 0.50 | DRLIN1 | 10C | LUB RIG - RIG SERVICE - OTHER | No | 03 | 1 | 8563.00 | RIG SERVICE RIG, CIRCULATE WHILE LEVELING THE DERRICK. |
| 14:30 | 18:30 | 4.00 | DRLIN1 | 08A | TRIPPING - BIT/ BHA | No | 03 | 1 | 8563.00 | POOH F/ 8563' TO BHA, L/ DN BIT AND MOTOR BIT GRADE ( 8 -2 - CR-N -1 - CT - PR), MONITORING WELL THROUGH TRIP TANK, WELL STATIC |
| 18:30 | 20:00 | 1.50 | DRLIN1 | 08A | TRIPPING - BIT/ BHA | No | 04 | 1 | 8563.00 | P/ U, M/ U, SCRIBE AND TEST BHA # 5 AS FOLLOWS: BIT # 4 - 9.875" SER# 36022 W/ 7 - 16' S TFA= 1. 374 // 7. 75" PHOENIX/ NOV ADJ., MUD MOTOR SET @ 1. 50° ( 7/ 8 LOBE, 4 STG., . 16 REV/ GAL ) NMPC // XO // VELOCITY= ( XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11. 25 OD IBS // 9- 8" DC' S // XO // 27 JNTS HWDP = TOT. LGTH. = 1179. 01'. |
| 20:00 | 23:30 | 3.50 | DRLIN1 | 08A | TRIPPING - BIT/ BHA | No | 04 | 1 | 8563.00 | TIH WITH BHA# 5 9. 875" 2ND INTERM. F/ SURFACE - 4970', FILLED PIPE AND BROKE CIRC, CONTINUE TIH F/ 4970' - 8400' INSTALLED ROTATING HEAD, FINISHED TIH F/ 4970' - 8563', NO - ISSUES, NO - FILL |
| 23:30 | 00:00 | 0.50 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 04 | 1 | 8568.00 | ROT. DRILL 9. 875" INTM 2, F/ 8563' - T/ 8568' ( 3' @ 6. 0 FPH ) WOB 5- 8K, RPM 40, GPM 650, MRPM 104 , SPP 2100/ 2200 PSI., DIFF 200 PSI., TQ. 14/ 17K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |

**Personnel Hours**

| Vendor | Vendor Type | Number Of People | Hours On Site | Total Hours |
|---|---|---|---|---|
| NEWLAND CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| AES DRILLING FLUIDS LLC | MUD ENGINEER | 1 | 24.00 | 24.00 |

| | | | | |
|---|---|---|---|---|
| SCANDRILL INC | RIG CREWS | 12 | 24.00 | 288.00 |
| SCANDRILL INC | TOOLPUSHER | 1 | 24.00 | 24.00 |
| CRESCENT CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| PHOENIX DIRECTIONAL DRILLERS | | 4 | 24.00 | 96.00 |
| INDUSTRIAL & OILFIELD SERVICES INC | CONSULTANT | 1 | 24.00 | 24.00 |

**Rig Information**

| | | | | | |
|---|---|---|---|---|---|
| KB Elevation: | 2798.00 ft | KB To GL : | 25.00 ft | | |
| Rig(s) for today : | Scan Texas | Rig Manager : | ROCKY BROUMLEY | Rig Phone : | 432-400-2272 |
| Date and Time of Rig Release : | | Days From Rig Release : | 0.00 | Rig Fax : | |

**Safety**

| | | | | | |
|---|---|---|---|---|---|
| Last BOP Test(F) Date : | 3/18/2018 | Last BOP Pressure : | 5000.000 psi | Last Lot Fit : | 0.00 |
| Last Csg Date : | 3/22/2018 | Last Csg Pressure : | 1500.000 psi | Last Spills Reported : | |
| Last BOP Drill Date : | | Last Test MW : | 0.00 | Last Accidents : | |
| Last Fire Drill : | | Last Test TVD : | 0.00 ft | Last Safety Meeting : | 3/25/2018 18:00 |
| Last Evac Drill : | | Last Test Pressure : | 0.000 psi | Last Safety Meeting Topic | TRIPPING PIPE/LD BHA/WORKING A |

**Contacts**

| | | | | | |
|---|---|---|---|---|---|
| Day Sup. : | RAUL BAEZA | Phone : | 432-853-7484 | Superintendent : | SANTOS MOROLES | Phone : | 432-559-4901 |
| Night Sup. : | BRIAN EHRENBERG | Phone : | | Geologist : | ALBERT BONDURANT | Phone : | 205.568.5467 |
| Alt. Phone : | | | | Drill. Eng. : | BRANNON SMITH | Phone : | 432-818-1777 |

**Attachments**

Daily Attachment Folder(s)

# Daily Drilling Report P2

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 15 Report Date : 3/25/2018

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

**Mud Data**

Mud Engineer : KEVIN CARTWRIGHT Mud Type : Water Base Mud Polymer Type :

| Chk | Time | Depth (ft) | Density (lbs/gal) | FV (s/qt) | YP (lbs/100 ft²) | PV (cP) | WL (cc/30 min) | Cl (ppm) | Electro Static Stability | Oil Ratio | H2O Ratio | HTHP Water Loss(cc/30 min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:00 | 8563.0 | 9.20000 | 27.00 | 1 | 1.00 | 0.0 | 95000 | 0.0 | 0 | 0 | 0.0 |

**Bit Data**

| Bit # | Run # | Size (in) | Mfg. | Model | IADC Code | Daily Drilled (ft) | Daily Hours | Daily ROP (ft/hr) | Cum Drilled (ft) | Cum Hrs. | Avg. ROP (ft/hr) | Depth In (ft) | Depth Out (ft) | Max WOB (M Lbs) | PSI Drop (psi) | Nozzle Velocity (ft/s) | HHP (HP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 03 | 1 | 9.875 | SMITH | XZ616 | | 683.00 | 37.00 | 18.46 | 3593.00 | 61.00 | 58.90 | 4970.00 | 8563.00 | 25.000 | 346.517 | 205.22 | 152.4 |
| 04 | 1 | 9.875 | ULTERRA | CF717 | | 5.00 | 0.50 | 10.00 | 5.00 | 0.50 | 10.00 | 8563.00 | 8568.00 | 25.000 | 227.082 | 166.13 | 94.33 |

**BHA Data**

For Bit # : 03 Mud Motor : Total Made : 3593 ft

Total BHA Hours : 147.5 Total Hours : 37.00

BHA # : 03 DC OD : 8.000 in DP OD : 5.000 in BHA Length : 370.23 ft BHA Weight 0.00 M Lbs

| Item | Jts | Length (ft) | OD (in) | ID (in) | Coupling OD (in) | Weight (lbs/ft) | Thread Type | Pin/Box |
|---|---|---|---|---|---|---|---|---|
| BITS | 1 | 1.00 | 12.250 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Pin |
| MUD MOTOR | 1 | 27.93 | 7.760 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Box |
| STABILIZERS | 1 | 5.66 | 11.250 | 2.750 | 0.000 | 0.000 | 6 5/8 REG | Box |
| NON- MAG COLLAR | 1 | 11.31 | 8.110 | 3.170 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 1.63 | 8.010 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 3.72 | 8.210 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 8.52 | 8.230 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 3.56 | 8.150 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Box |
| NON- MAG COLLAR | 1 | 28.96 | 8.000 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| STABILIZERS | 1 | 7.00 | 11.240 | 2.630 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 2.18 | 7.790 | 3.000 | 0.000 | 0.000 | 6 5/8 REG | Box |
| DRILL COLLAR | 9 | 268.76 | 8.000 | 2.750 | 0.000 | 0.000 | 6 5/8 REG | Box |

**Drilling Parameters**

| Bit # | Run # | Depth (ft) | WOB (M Lbs) | RPM | | GPM | Torque | | String Weight | | | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Motor | Rotary | | On Bom (ft lbf) | Off Bom (ft lbf) | Pick Up (lbs) | Stack Off (lbs) | Rotate (lbs) | On Bom (psi) | Off Bom (psi) | Diff Press. (psi) |
| 03 | 1 | 8563.00 | 25.000 | 104 | 50 | 650 | 8000.00 | 0.00 | 260 | 220 | 225 | 2200.0 | 2100.0 | 100.0 |

**Pump Data**

| Bit # | Pump 1 | | | | | Pump 2 | | | | | Pump Pressure (psi) | AV DC (ft/min) | AV DP (ft/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | | | |
| 03 | BOMCO 1600 | 12.000 | 6.000 | 90 | 376.788 | BOMCO 1600 | 12.000 | 6.000 | 90 | 376.788 | 1778.00 | 551 | 255 |
| 04 | BOMCO 1600 | 12.000 | 6.000 | 85 | 355.856 | BOMCO 1600 | 12.000 | 6.000 | 85 | 355.856 | 2200.00 | 520 | 241 |

**Reduced Speed Pumps**

| Depth(ft) | Pump 1 | | | Pump 2 | | |
|---|---|---|---|---|---|---|
| | Model | Pressure (psi) | SPM | Model | Pressure (psi) | SPM |
| 8563.00 | BOMCO 1600 | 360.0 | 30 | BOMCO 1600 | 280.0 | 30 |
| 8563.00 | BOMCO 1600 | 280.0 | 40 | BOMCO 1600 | 380.0 | 40 |

# Daily Drilling Report P3

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 15 Report Date : 3/25/2018

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

**Drill Bottom Hole Targets**

| Bottom Hole Location | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Survey Data**

| Depth (ft) | Deviation | Azimuth | TVD (ft) | N/S | N/S (ft) | E/W | E/W (ft) | Vertical Section (ft) | Dog Leg |
|---|---|---|---|---|---|---|---|---|---|
| 7925.00 | 0.94 | 192.8 | 7923.91 | | -10.71 | | -10.13 | 7.45 | 0.08 |
| 8019.00 | 1.13 | 190.3 | 8017.90 | | -12.38 | | -10.47 | 8.95 | 0.20 |
| 8114.00 | 0.99 | 178.1 | 8112.88 | | -14.12 | | -10.61 | 10.58 | 0.27 |
| 8208.00 | 0.75 | 175.5 | 8206.87 | | -15.54 | | -10.54 | 11.97 | 0.25 |
| 8303.00 | 0.93 | 169.5 | 8301.86 | | -16.92 | | -10.35 | 13.35 | 0.21 |
| 8397.00 | 0.88 | 173.6 | 8395.85 | | -18.39 | | -10.13 | 14.82 | 0.09 |
| 8491.00 | 0.59 | 192.7 | 8489.84 | | -19.58 | | -10.15 | 15.95 | 0.39 |

**Hook Loads**

| | | |
|---|---|---|
| Up : | 260000 | |
| Down : | 220000 | |
| Rotating : | 225000 | |
| Torque : | 0 | Amps |
| Torque : | 17000.00 | ft lbf |

**Comments**

UL 20 STRIPES 38-47-601H RIG MOBILIZATION BEGAN: 3/11/18 @ 13:00HRS.
RIG ON DAYRATE @ 04:30 HRS, 03/16/2018
SPUD WELL @ 1900 HRS, 03-16-18
(108 HR. RIG MOVE)
RELEASED RIG OFF OF PEGASUS 23-35-16#251H ON 03/11/18 @ 13:00 HRS .

NOTIFIED TRRC: SPUD/SURFACE: 03/15/17,10 AM, MICHELLE, JOB #123292
NOTIFIED TRRC: INTERMENT-03/22/18, 6:00AM, NAOMI, JOB # 123292
NOTIFIED TRRC: 2ND INTERMEDIATE: XXXXX
NOTIFIED TRRC: PRODUCTION: XXXX

RESUMED DRILLING OPERATIONAL HRS. = 221 ( 9.20 DAYS)

RIVERBOAT 33-71 602H 11-27-17: INSPECT 370 OF 372 JOINTS OF SCAN RIG PIPE BY RED RIVER TO DS1 CAT-4 PLUS UTEA, HAVE 368 JTS PREMIUM READY(1 JT CLASS 5 RED BAND (CRACKED) 1 JT CLASS 2 YELLOW BAND) 3 CONNECTIONS NEED SHOPPED. ALSO ALL PIPE NEEDS REHARDBANDING, WILL DO HALF OF STRING THIS WELL & THE OTHER ON NEXT WELL. (RECIEVED REPAIRED JOINTS FROM SHOP, REPLACED BAD JOINTS, TOTAL SCAN DP COUNT ON SPECTRE STATE 54-4 801H (372 PREMIUM JOINTS).

DAYS SINCE LAST LTA: (1254 DAYS ): LAST OSHA RECORDABLE INCIDENT: ( 491 )

CREW SHORTAGES ( LAST 24HRS / TOTAL HRS ): 0 / 0
CREW DOUBLES (LAST 24 HRS / TOTAL HRS): 0 / 0
NON PRODUCTIVE TIME (LAST 24HRS / TOTAL HRS): 16.5 HRS. / 18 HRS.
RIG DOWNTIME CODE 8: (LAST 24 HRS / TOTAL HRS ON WELL) – 0 HRS / 1.5 HRS
1.5 HRS CODE 8 ON 3/17/18 STRIPES 601H

20" CONDUCTER SET @ 146'
13 3/8" SURFACE: SET @ 437' W/FC @ 394' CIRC 31 BBLS CMT
10 3/4" 1 INTERMEDIATE: SET @ 4965' NO CMT TO SUF
7 5/8" 2 INTERMEDIATE SET @
5 1/2" PRODUCTION: SET @

OBM LOST TO WELL (LAST 24 HRS / TOTAL BBLS): XX BBLS / XXXX BBLS

OBM LOST BEHIND CASING: 0 BBLS
OBM LOST: 0 BBLS TO FORMATION// TOTAL=XXX BBLS
OBM LOST: 0 BBLS TO CUTTINGS // TOTAL= XXX BBLS
OBM LOST: XX BBLS// TOTAL = XXX BBLS TO CLEANING PITS,DISCHARGE OVER SHAKERS, LOST ON DISPLACEMENT, SURFACE LOSSES, CENTRIFUGE LOSSES
ADDITIONS- XXX BBL RECIEVED FROM KERMIT ON 3/XX/18// OTHER ADDITIONS XX BBL
OBM RECOVERED FROM NOV DRYER SHAKERS -0 BBL/ 0 BBLS RECOVERED TO DATE.
STARTING OBM VOLUME: XXXX BBLS TOTAL VOLUME: XXXX BBLS
TRANSFERRED OUT 0 BBLS

STARTING RIG FUEL: RIG = 1754 GALS TRANSFERED FROM PEGUSAS 23-35-16 #251 0 GALS OBM DIESEL, 0 GALS AUX. DIESEL

DIESEL USAGE:
RIG FUEL ( DAILY/TOTAL ): 648/ 8403 GALS
MUD DIESEL ( DAILY/TOTAL ): 0/000 GALS
AUXILIARY EQUIPMENT (DAILY/TOTAL): 104 / 643 GALS
CERTARUS CNG (DAILY/ TOTAL) 1563.43 MCF / 8433.52 TOTAL MCF

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ORIGINAL TARGET LINE - @11,755 TVD 90° 163.73 AZM

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***NO LEAKS OR SPILLS REPORTED OR OBSERVED***

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BHA #5: BIT #4-9.875" CF717 SER# 36022 W/ 7-16'S TFA= 1.3744 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1179.01' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN XXXX' // DEPTH OUT XXXX' // FTG. DRILLED XXXX' // TOTAL DRLG HRS. XX.X // TOTAL MTR HRS. XX // AVG R.O.P. XXX FPH // REASON PULLED = ?/ BIT GRADE= XXXXXX

BHA #4: BIT #3-9.875" SMITH XZ616 SER# JN7079 W/ 6-16'S TFA= 1.767 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1178.28' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 4970' // DEPTH OUT 8563' // FTG. DRILLED 3583' // TOTAL DRLG HRS. 36.5 // TOTAL MTR HRS. 39.5 // AVG R.O.P. 98.4 FPH // REASON PULLED = LOW PR// BIT GRADE= 8-2-CR-N-1-CT-PR

BHA #3: BIT #2-12.250" SMITH XS716S SER# ED1338 W/ 2-14'S & 5 X 15'S TFA= 1.163 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 11.25 OD IBS // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // = TOT. LGTH. = 370.23' // BIT TO BEND 6.43 // BIT TO SURVEY 57' // BIT TO GAMMA 52.81' // DEPTH IN 445' // DEPTH OUT 4970' // FTG. DRILLED 4525' // TOTAL DRLG HRS. 62 // TOTAL MTR HRS. 68 // AVG R.O.P. 72.2 FPH // REASON PULLED = TD CASING POINT ? // BIT GRADE= 1-5-BT-S-1-BT-TD

BHA #2: RE-RUN BIT #1-17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" BIT SUB // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 253.16' // BIT TO SURVEY 48' // BIT TO GAMMA 31' // DEPTH IN 300' // DEPTH OUT 445' // FTG. DRILLED 145' // TOTAL DRLG HRS. 3.5 // TOTAL MTR HRS. N/A // AVG R.O.P. 41.4 FPH // REASON PULLED = TD // BIT GRADE=1-2-NO-G-I-NO-TD

BHA #1: 17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 278.09' // BIT TO BEND 6.43' // BIT TO SURVEY 76' // BIT TO GAMMA 59' // DEPTH IN 146' // DEPTH OUT 300' // FTG. DRILLED 154' // TOTAL DRLG HRS. 15.5 // TOTAL MTR HRS. 18 // AVG R.O.P. 9.94 FPH // REASON PULLED = P-RATE // BIT GRADE = 1-2-NO-G-I-NO-PR

## Solids Removal

### Shakers

| Shaker # | Bottom | Middle | Top |
|---|---|---|---|

### Other Solids Removal Equipment

| Item | Hrs Run | Intake Density (lbs/gal) | Overflow Density (lbs/gal) | Underflow Density (lbs/gal) |
|---|---|---|---|---|

## Mud Log

Formation : Bone Spring

| | | | | | |
|---|---|---|---|---|---|
| Background Gas : | 210 | Connection Gas : | 350 | Flare Length : | NONE |
| Trip Calc : | | | | | |

**Well Incident**

| | | | | | |
|---|---|---|---|---|---|
| Report # : | | Incident Date : | | Report Date : | |
| Problem Name : | | | | | |

# Daily Drilling Report P1

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 16 Report Date : 3/26/2018

## Financials

Daily Cost : $49,963 Cost to Date : $1,511,826

AFE # : PB18100002

AFE : $10,772,650 AFE Cost to Date : $1,511,826

## Operations

Event Objective : Scan Texas D&C DB DEV WC A Event Sub Type : Drilling Prod

A.M. Ops : DRILL 9.875' INTERM 2 F/9450' - T/9760' (310' @ 52 FPH) MW 9.2 PPG

Ops Forecast : DRILL 9.875' INTERM 2 TOWARD +/- 11070 KOP.

24hr. Summary : DRILL 9.875' INTERM 2 F/8568' - T/9450' (882' @ 38 FPH) MW 9.2 PPG, DRLG DOWN FLOWLINE, FULL RETURNS

Planning Status :

## Elevations

GL 2773.00 ft Reserve Pit Freeboard : 0.00 ft

## Progress

Days from Spud : 10 Progress : 962.00 ft MD at Report Time : 9530.00 ft

Rig on Location (days) : 16 Est. TD : 21599.00 ft TVD At Report Time : 9434.68 ft

## Event Dates

| Spud Date | Spud Time | Suspended Drilling Date | Resume Drilling Date | Total Depth Date | Total Depth Time | Finished Drilling Date | Finished Drilling Time | Rig Released Date | Rig Released Time |
|---|---|---|---|---|---|---|---|---|---|
| 3/16/2018 | 19:00 | | | | | | | | |

## Time Breakdown

Start Time : 00:00 Initial Depth : 0.00 ft Drilling Hours : 24.00 Total Drilling Hours : 166.50 Total Hours : 48.00 Time Code : DRILLING -

Drilling % : 50.00 Rotating % : 81.25 Sliding % : 18.75

| Start Time | End Time | Hours | Phase | Activity | | NPT | Bit # | Run # | Depth (ft) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Time Code | Description | | | | | |
| 00:00 | 01:30 | 1.50 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 04 | 1 | 8641.00 | ROT. DRILL 9. 875" INTM 2, F/ 8568' - T/ 8641' ( 73' @ 48. 6 FPH ) WOB 25K, RPM 45, GPM 650, MRPM 104 , SPP 2100/ 2350 PSI., DIFF 250 PSI., TQ. 12/ 14K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 01:30 | 02:30 | 1.00 | DRLIN1 | 02M | DRILLING - DRILLING - SLIDING | No | 04 | 1 | 8671.00 | SLIDE DRILL 9. 875" INTM 2 F/ 8641' - T/ 8671' ( 30' @ 30FPH ) 30M TF, WOB 20K, GPM 650, MRPM 104, SPP 2100/ 2350 PSI., DIFF 250 PSI., DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 02:30 | 04:00 | 1.50 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 04 | 1 | 8741.00 | ROT. DRILL 9. 875" INTM 2, F/ 8671' - T/ 8741' ( 100' @ 66. 6 FPH ) WOB 25K, RPM 45, GPM 650, MRPM 104 , SPP 2100/ 2350 PSI., DIFF 250 PSI., TQ. 12/ 14K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 04:00 | 05:00 | 1.00 | DRLIN1 | 02M | DRILLING - DRILLING - SLIDING | No | 04 | 1 | 8761.00 | SLIDE DRILL 9. 875" INTM 2 F/ 8671' - T/ 8761' ( 90' @ 90FPH ) 30M TF, WOB 20K, GPM 650, MRPM 104, SPP 2100/ 2350 PSI., DIFF 250 PSI., DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 05:00 | 08:30 | 3.50 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 04 | 1 | 9022.00 | ROT. DRILL 9. 875" INTM 2, F/ 8741' - T/ 9022' ( 281' @ 80. 2 FPH ) WOB 25K, RPM 45, GPM 650, MRPM 104 , SPP 2100/ 2350 PSI., DIFF 250 PSI., TQ. 12/ 14K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 08:30 | 11:00 | 2.50 | DRLIN1 | 02M | DRILLING - DRILLING - SLIDING | No | 04 | 1 | 9052.00 | SLIDE DRILL 9. 875" INTM 2 F/ 9022' - T/ 9052' ( 30' @ 12 FPH ) 30M TF, WOB 20K, GPM 650, MRPM 104, SPP 2100/ 2350 PSI., DIFF 250 PSI., DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 11:00 | 14:00 | 3.00 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 04 | 1 | 9194.00 | ROT. DRILL 9. 875" INTM 2, F/ 9052' - T/ 9194' ( 142' @ 47. 3 FPH ) WOB 28K, RPM 50, GPM 650, MRPM 104 , SPP 2100/ 2350 PSI., DIFF 250 PSI., TQ. 12/ 14K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 14:00 | 16:00 | 2.00 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 04 | 1 | 9297.00 | ROT. DRILL 9. 875" INTM 2, F/ 9194' - T/ 9297' ( 103' @ 51. 5 FPH ) WOB 28K, RPM 45, GPM 650, MRPM 104 , SPP 2150/ 2400 PSI., DIFF 250 PSI., TQ. 12/ 14K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 16:00 | 16:00 | 24.00 | DRLIN1 | 10C | LUB RIG - RIG SERVICE - OTHER | No | 04 | 1 | 9297.00 | RIG SERVICE GREASE TOP DRIVE / ADJUSTBRAKES ON DRAWWORKS, |
| 16:00 | 18:00 | 2.00 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 04 | 1 | 9347.00 | ROT. DRILL 9. 875" INTM 2, F/ 9297' - T/ 9347' ( 50' @ 25 FPH ) WOB 28K, RPM 45, GPM 650, MRPM 104 , SPP 2200/ 2350 PSI., DIFF 250 PSI., TQ. 12/ 14K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 18:00 | 21:00 | 3.00 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 04 | 1 | 9450.00 | ROT. DRILL 9. 875" INTM 2, F/ 9347' - T/ 9450' ( 103' @ 34. 4 FPH ) WOB 28K, RPM 45, GPM 650, MRPM 104 , SPP 2100/ 2350 PSI., DIFF 250 PSI., TQ. 12/ 14K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 21:00 | 00:00 | 3.00 | DRLIN1 | 02B | DRILLING - MTR/TURB - VERT | No | 04 | 1 | 9530.00 | ROT. DRILL 9. 875" INTM 2, F/ 9450' - T/ 9530' ( 80' @ 26. 6 FPH ) WOB 28K, RPM 45, GPM 650, MRPM 104 , SPP 2100/ 2350 PSI., DIFF 250 PSI., TQ. 12/ 14K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |

## Personnel Hours

| Vendor | Vendor Type | Number Of People | Hours On Site | Total Hours |
|---|---|---|---|---|
| NEWLAND CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |

| | | | | |
|---|---|---|---|---|
| AES DRILLING FLUIDS LLC | MUD ENGINEER | 1 | 24.00 | 24.00 |
| SCANDRILL INC | RIG CREWS | 12 | 24.00 | 288.00 |
| SCANDRILL INC | TOOLPUSHER | 1 | 24.00 | 24.00 |
| CRESCENT CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| PHOENIX DIRECTIONAL DRILLERS | | 4 | 24.00 | 96.00 |
| INDUSTRIAL & OILFIELD SERVICES INC | CONSULTANT | 1 | 24.00 | 24.00 |

**Rig Information**

| | | | | | |
|---|---|---|---|---|---|
| KB Elevation: | 2798.00 ft | KB To GL : | 25.00 ft | | |
| Rig(s) for today : | Scan Texas | Rig Manager : | ROCKY BROUMLEY | Rig Phone : | 432-400-2272 |
| Date and Time of Rig Release : | | Days From Rig Release : | 0.00 | Rig Fax : | |

**Safety**

| | | | | | |
|---|---|---|---|---|---|
| Last BOP Test(F) Date : | 3/18/2018 | Last BOP Pressure : | 5000.000 psi | Last Lot Fit : | 0.00 |
| Last Csg Date : | 3/22/2018 | Last Csg Pressure : | 1500.000 psi | Last Spills Reported : | |
| Last BOP Drill Date : | | Last Test MW : | 0.00 | Last Accidents : | |
| Last Fire Drill : | | Last Test TVD : | 0.00 ft | Last Safety Meeting : | 3/26/2018 18:00 |
| Last Evac Drill : | | Last Test Pressure : | 0.000 psi | Last Safety Meeting Topic | MIXING MUD / MAKING UP STANDS |

**Contacts**

| | | | | | |
|---|---|---|---|---|---|
| Day Sup. : | RAUL BAEZA | Phone : | 432-853-7484 | Superintendent : | SANTOS MOROLES | Phone : | 432-559-4901 |
| Night Sup. : | BRIAN EHRENBERG | Phone : | | Geologist : | ALBERT BONDURANT | Phone : | 205.568.5467 |
| Alt. Phone : | | | | Drill. Eng. : | BRANNON SMITH | Phone : | 432-818-1777 |

**Attachments**

Daily Attachment Folder(s)

# Daily Drilling Report P2

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 16 Report Date : 3/26/2018

## Operations

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

## Mud Data

Mud Engineer : KEVIN CARTWRIGHT Mud Type : Water Base Mud Polymer Type :

| Chk | Time | Depth (ft) | Density (lbs/gal) | FV (s/qt) | YP (lbs/100 ft²) | PV (cP) | WL (cc/30 min) | Cl (ppm) | Electro Static Stability | Oil Ratio | H2O Ratio | HTHP Water Loss(cc/30 min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:00 | 8975.0 | 9.30000 | 27.00 | 1 | 1.00 | 100.0 | 10300 | 0.0 | 0 | 0 | 0.0 |

## Bit Data

| Bit # | Run # | Size (in) | Mfg. | Model | IADC Code | Daily Drilled (ft) | Daily Hours | Daily ROP (ft/hr) | Cum Drilled (ft) | Cum Hrs. | Avg. ROP (ft/hr) | Depth In (ft) | Depth Out (ft) | Max WOB (M Lbs) | PSI Drop (psi) | Nozzle Velocity (ft/s) | HHP (HP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04 | 1 | 9.875 | ULTERRA | CF717 | | 962.00 | 24.00 | 40.08 | 967.00 | 24.50 | 39.47 | 8568.00 | 9530.00 | 25.000 | 229.551 | 166.13 | 95.36 |

## BHA Data

For Bit # : 04 Mud Motor : Total Made : 962 ft

Total BHA Hours : 171.5 Total Hours : 24.00

BHA # : 05 DC OD : 8.000 in DP OD : 5.000 in BHA Length : 1179.01 ft BHA Weight 0.00 M Lbs

| Item | Jts | Length (ft) | OD (in) | ID (in) | Coupling OD (in) | Weight (lbs/ft) | Thread Type | Pin/Box |
|---|---|---|---|---|---|---|---|---|
| BITS | 1 | 1.00 | 9.875 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Pin |
| MUD MOTOR | 1 | 27.83 | 8.010 | 0.000 | 0.000 | 0.000 | 6 5/8 | Box |
| NON- MAG COLLAR | 1 | 11.31 | 8.110 | 3.170 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 1.63 | 8.010 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 3.72 | 8.210 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 8.52 | 8.230 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 3.56 | 8.150 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| NON- MAG COLLAR | 1 | 28.96 | 8.000 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| COLLARS | 9 | 268.76 | 8.000 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 2.18 | 7.790 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| DRILLPIPE | 27 | 821.54 | 5.000 | 3.000 | 0.000 | 0.000 | 4 1/2 IF | Box |

## Drilling Parameters

| Bit # | Run # | Depth (ft) | WOB (M Lbs) | RPM | | GPM | Torque | | String Weight | | | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Motor | Rotary | | On Bom (ft lbf) | Off Bom (ft lbf) | Pick Up (lbs) | Stack Off (lbs) | Rotate (lbs) | On Bom (psi) | Off Bom (psi) | Diff Press. (psi) |
| 04 | 1 | 9530.00 | 25.000 | 104 | 45 | 650 | 9500.00 | 0.00 | 260 | 220 | 235 | 2200.0 | 2100.0 | 100.0 |

## Pump Data

| Bit # | Pump 1 | | | | | Pump 2 | | | | | Pump Pressure (psi) | AV DC (ft/min) | AV DP (ft/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | | | |
| 04 | BOMCO 1600 | 12.000 | 6.000 | 85 | 355.856 | BOMCO 1600 | 12.000 | 6.000 | 85 | 355.856 | 2200.00 | 520 | 241 |

## Reduced Speed Pumps

| Depth(ft) | Pump 1 | | | Pump 2 | | |
|---|---|---|---|---|---|---|
| | Model | Pressure (psi) | SPM | Model | Pressure (psi) | SPM |
| 9297.00 | BOMCO 1600 | 360.0 | 30 | BOMCO 1600 | 280.0 | 30 |
| 9297.00 | BOMCO 1600 | 280.0 | 40 | BOMCO 1600 | 380.0 | 40 |

# Daily Drilling Report P3

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 16 Report Date : 3/26/2018

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

**Drill Bottom Hole Targets**

| Bottom Hole Location | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Survey Data**

| Depth (ft) | Deviation | Azimuth | TVD (ft) | N/S | N/S (ft) | E/W | E/W (ft) | Vertical Section (ft) | Dog Leg |
|---|---|---|---|---|---|---|---|---|---|
| 8587.00 | 0.69 | 195.7 | 8585.83 | | -20.62 | | -10.42 | 16.87 | 0.11 |
| 8681.00 | 1.49 | 171.0 | 8679.82 | | -22.37 | | -10.38 | 18.57 | 0.95 |
| 8775.00 | 1.13 | 117.7 | 8773.80 | | -24.01 | | -9.37 | 20.42 | 1.28 |
| 8869.00 | 1.46 | 120.0 | 8867.77 | | -25.04 | | -7.51 | 21.93 | 0.35 |
| 8964.00 | 1.79 | 114.1 | 8962.73 | | -26.24 | | -5.11 | 23.76 | 0.38 |
| 9058.00 | 1.17 | 109.6 | 9056.70 | | -27.16 | | -2.86 | 25.27 | 0.66 |
| 9152.00 | 0.81 | 113.9 | 9150.69 | | -27.76 | | -1.35 | 26.27 | 0.38 |
| 9247.00 | 0.48 | 107.4 | 9245.68 | | -28.15 | | -0.36 | 26.92 | 0.35 |
| 9341.00 | 0.35 | 111.3 | 9339.68 | | -28.37 | | 0.29 | 27.31 | 0.14 |
| 9436.00 | 0.44 | 33.2 | 9434.68 | | -28.17 | | 0.76 | 27.25 | 0.52 |

**Hook Loads**

Up : 280000

Down : 230000

Rotating : 265000

Torque : 0 Amps

Torque : 14000.00 ft lbf

**Comments**

UL 20 STRIPES 38-47-601H RIG MOBILIZATION BEGAN: 3/11/18 @ 13:00HRS.
RIG ON DAYRATE @ 04:30 HRS, 03/16/2018
SPUD WELL @ 1900 HRS, 03-16-18
(108 HR. RIG MOVE)
RELEASED RIG OFF OF PEGASUS 23-35-16#251H ON 03/11/18 @ 13:00 HRS .

NOTIFIED TRRC: SPUD/SURFACE: 03/15/17,10 AM, MICHELLE, JOB #123292
NOTIFIED TRRC: INTERMENT-03/22/18, 6:00AM, NAOMI, JOB # 123292
NOTIFIED TRRC: 2ND INTERMEDIATE: XXXXX
NOTIFIED TRRC: PRODUCTION: XXXX

RESUMED DRILLING OPERATIONAL HRS. = 223 ( 9.29 DAYS)

RIVERBOAT 33-71 602H 11-27-17: INSPECT 370 OF 372 JOINTS OF SCAN RIG PIPE BY RED RIVER TO DS1 CAT-4 PLUS UTEA, HAVE 368 JTS PREMIUM READY(1 JT CLASS 5 RED BAND (CRACKED) 1 JT CLASS 2 YELLOW BAND) 3 CONNECTIONS NEED SHOPPED. ALSO ALL PIPE NEEDS REHARDBANDING, WILL DO HALF OF STRING THIS WELL & THE OTHER ON NEXT WELL. (RECIEVED REPAIRED JOINTS FROM SHOP, REPLACED BAD JOINTS, TOTAL SCAN DP COUNT ON SPECTRE STATE 54-4 801H (372 PREMIUM JOINTS).

DAYS SINCE LAST LTA: (1255 DAYS ): LAST OSHA RECORDABLE INCIDENT: ( 492 )

CREW SHORTAGES ( LAST 24HRS / TOTAL HRS ): 0 / 0
CREW DOUBLES (LAST 24 HRS / TOTAL HRS): 0 / 0
NON PRODUCTIVE TIME (LAST 24HRS / TOTAL HRS): 16.5 HRS. / 18 HRS.
RIG DOWNTIME CODE 8: (LAST 24 HRS / TOTAL HRS ON WELL) – 0 HRS / 1.5 HRS
1.5 HRS CODE 8 ON 3/17/18 STRIPES 601H

20" CONDUCTER SET @ 146'
13 3/8" SURFACE: SET @ 437' W/FC @ 394' CIRC 31 BBLS CMT
10 3/4" 1 INTERMEDIATE: SET @ 4965' NO CMT TO SUF
7 5/8" 2 INTERMEDIATE SET @
5 1/2" PRODUCTION: SET @

OBM LOST TO WELL (LAST 24 HRS / TOTAL BBLS): XX BBLS / XXXX BBLS

OBM LOST BEHIND CASING: 0 BBLS
OBM LOST: 0 BBLS TO FORMATION// TOTAL=XXX BBLS
OBM LOST: 0 BBLS TO CUTTINGS // TOTAL= XXX BBLS
OBM LOST: XX BBLS// TOTAL = XXX BBLS TO CLEANING PITS,DISCHARGE OVER SHAKERS, LOST ON DISPLACEMENT, SURFACE LOSSES, CENTRIFUGE LOSSES
ADDITIONS- XXX BBL RECIEVED FROM KERMIT ON 3/XX/18// OTHER ADDITIONS XX BBL
OBM RECOVERED FROM NOV DRYER SHAKERS -0 BBL/ 0 BBLS RECOVERED TO DATE.
STARTING OBM VOLUME: XXXX BBLS TOTAL VOLUME: XXXX BBLS
TRANSFERRED OUT 0 BBLS

STARTING RIG FUEL: RIG = 1754 GALS TRANSFERED FROM PEGUSAS 23-35-16 #251 0 GALS OBM DIESEL, 0 GALS AUX. DIESEL

DIESEL USAGE:
RIG FUEL ( DAILY/TOTAL ): 1173/ 9576 GALS
MUD DIESEL ( DAILY/TOTAL ): 0/000 GALS
AUXILIARY EQUIPMENT (DAILY/TOTAL): 83 / 726 GALS
CERTARUS CNG (DAILY/ TOTAL) 1434.45 MCF / 9867.57 TOTAL MCF
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ORIGINAL TARGET LINE - @11,755 TVD 90° 163.73 AZM

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***NO LEAKS OR SPILLS REPORTED OR OBSERVED***
_____
BHA #5: BIT #4-9.875" CF717 SER# 36022 W/ 7-16'S TFA= 1.3744 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1179.01' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN XXXX' // DEPTH OUT XXXX' // FTG. DRILLED XXXX' // TOTAL DRLG HRS. XX.X // TOTAL MTR HRS. XX // AVG R.O.P. XXX FPH // REASON PULLED = ?/ BIT GRADE= XXXXXX

BHA #4: BIT #3-9.875" SMITH XZ616 SER# JN7079 W/ 6-16'S TFA= 1.767 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1178.28' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 4970' // DEPTH OUT 8563' // FTG. DRILLED 3583' // TOTAL DRLG HRS. 36.5 // TOTAL MTR HRS. 39.5 // AVG R.O.P. 98.4 FPH // REASON PULLED = LOW PR// BIT GRADE= 8-2-CR-N-1-CT-PR

BHA #3: BIT #2-12.250" SMITH XS716S SER# ED1338 W/ 2-14'S & 5 X 15'S TFA= 1.163 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 11.25 OD IBS // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // = TOT. LGTH. = 370.23' // BIT TO BEND 6.43 // BIT TO SURVEY 57' // BIT TO GAMMA 52.81' // DEPTH IN 445' // DEPTH OUT 4970' // FTG. DRILLED 4525' // TOTAL DRLG HRS. 62 // TOTAL MTR HRS. 68 // AVG R.O.P. 72.2 FPH // REASON PULLED = TD CASING POINT ? // BIT GRADE= 1-5-BT-S-1-BT-TD

BHA #2: RE-RUN BIT #1-17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" BIT SUB // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 253.16' // BIT TO SURVEY 48' // BIT TO GAMMA 31' // DEPTH IN 300' // DEPTH OUT 445' // FTG. DRILLED 145' // TOTAL DRLG HRS. 3.5 // TOTAL MTR HRS. N/A // AVG R.O.P. 41.4 FPH // REASON PULLED = TD // BIT GRADE=1-2-NO-G-I-NO-TD

BHA #1: 17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 278.09' // BIT TO BEND 6.43' // BIT TO SURVEY 76' // BIT TO GAMMA 59' // DEPTH IN 146' // DEPTH OUT 300' // FTG. DRILLED 154' // TOTAL DRLG HRS. 15.5 // TOTAL MTR HRS. 18 // AVG R.O.P. 9.94 FPH // REASON PULLED = P-RATE // BIT GRADE = 1-2-NO-G-I-NO-PR

**Solids Removal**

**Shakers**

| Shaker # | Bottom | Middle | Top |
|---|---|---|---|

**Other Solids Removal Equipment**

| Item | Hrs Run | Intake Density (lbs/gal) | Overflow Density (lbs/gal) | Underflow Density (lbs/gal) |
|---|---|---|---|---|

**Mud Log**

Formation : 1st Bone Spring Sand

| | | | | | |
|---|---|---|---|---|---|
| Background Gas : | 200 | Connection Gas : | 400 | Flare Length : | NONE |
| Trip Calc : | | | | | |

**Well Incident**

| | | | | | |
|---|---|---|---|---|---|
| Report # : | | Incident Date : | | Report Date : | |
| Problem Name : | | | | | |

# Daily Drilling Report P1

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 17 Report Date : 3/27/2018

## Financials

Daily Cost : $48,626 Cost to Date : $1,558,352

AFE # : PB18100002

AFE : $10,772,650 AFE Cost to Date : $1,558,352

## Operations

Event Objective : Scan Texas D&C DB DEV WC A Event Sub Type : Drilling Prod

A.M. Ops : POOH F/7150' TO BHA, BREAK AND L/D BIT (BIT GRADE 8-4) P/U NEW BIT T.I.H. F/BHA T/3350',T.I.H. TO SHOE, SLIP AND CUT DRLG LINE , T.I.H. TO BTM CONT. DRLG 9.875" INTERMEDIATE 2 HOLE.

Ops Forecast : FINISH POOH/ CHANGE BITS/ TIH TO SHOE/ CUT DRILL LINE/TIH TO BTM DRILL 9.875 INTEMENT TOWARDS KOP @11,125

24hr. Summary : DRILL 9.875' INTERM 2 F/9450' - T/10213' (763' @ 34.6 FPH) MW 9.2 PPG, DRLG DOWN FLOWLINE, FULL RETURNS. CIR BTMS UP/ POOH WITH BHA #5 DUE TO LOW ROP

Planning Status :

## Elevations

GL 2773.00 ft Reserve Pit Freeboard : 0.00 ft

## Progress

Days from Spud : 11 Progress : 683.00 ft MD at Report Time : 10213.00 ft

Rig on Location (days) : 17 Est. TD : 21599.00 ft TVD At Report Time : 10094.00 ft

## Event Dates

| Spud Date | Spud Time | Suspended Drilling Date | Resume Drilling Date | Total Depth Date | Total Depth Time | Finished Drilling Date | Finished Drilling Time | Rig Released Date | Rig Released Time |
|---|---|---|---|---|---|---|---|---|---|
| 3/16/2018 | 19:00 | | | | | | | | |

## Time Breakdown

Start Time : 00:00 Initial Depth : 0.00 ft Drilling Hours : 21.00 Total Drilling Hours : 187.50 Total Hours : 24.00 Time Code : TRIPPING -

Drilling % : 87.50 Rotating % : 100.00 Sliding % : 0.00

| Start Time | End Time | Hours | Phase | Activity | | NPT | Bit # | Run # | Depth (ft) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Time Code | Description | | | | | |
| 00:00 | 03:00 | 3.00 | DRLIN2 | 02B | DRILLING - MTR/TURB - VERT | No | 04 | 1 | 9655.00 | ROT. DRILL 9. 875" INTM 2, F/ 9530' - T/ 9655' ( 125' @ 41. 6 FPH ) WOB 28K, RPM 45, GPM 650, MRPM 104 , SPP 2100/ 2350 PSI., DIFF 250 PSI., TQ. 12/ 14K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 03:00 | 06:00 | 3.00 | DRLIN2 | 02B | DRILLING - MTR/TURB - VERT | No | 04 | 1 | 9768.00 | ROT. DRILL 9. 875" INTM 2, F/ 9655' - T/ 9768' ( 113' @ 37. 6 FPH ) WOB 28K, RPM 45, GPM 650, MRPM 104 , SPP 2100/ 2350 PSI., DIFF 250 PSI., TQ. 12/ 14K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 06:00 | 09:00 | 3.00 | DRLIN2 | 02B | DRILLING - MTR/TURB - VERT | No | 04 | 1 | 9881.00 | ROT. DRILL 9. 875" INTM 2, F/ 9768' - T/ 9881' ( 113' @ 37. 6 FPH ) WOB 28K, RPM 45, GPM 650, MRPM 104 , SPP 2100/ 2350 PSI., DIFF 250 PSI., TQ. 12/ 14K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 09:00 | 12:00 | 3.00 | DRLIN2 | 02B | DRILLING - MTR/TURB - VERT | No | 04 | 1 | 10000.00 | ROT. DRILL 9. 875" INTM 2, F/ 9881' - T/ 10000' ( 119' @ 39. 6 FPH ) WOB 28K, RPM 45, GPM 650, MRPM 104 , SPP 2100/ 2350 PSI., DIFF 250 PSI., TQ. 12/ 14K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 12:00 | 15:00 | 3.00 | DRLIN2 | 02B | DRILLING - MTR/TURB - VERT | No | 04 | 1 | 10105.00 | ROT. DRILL 9. 875" INTM 2, F/ 10000' - T/ 10105' ( 105' @ 35 FPH ) WOB 30K, RPM 45, GPM 650, MRPM 104 , SPP 2100/ 2350 PSI., DIFF 250 PSI., TQ. 12/ 14K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 15:00 | 17:30 | 2.50 | DRLIN2 | 02B | DRILLING - MTR/TURB - VERT | No | 04 | 1 | 10146.00 | ROT. DRILL 9. 875" INTM 2, F/ 10105' - T/ 10146' ( 41' @ 16. 4 FPH ) WOB 38K, RPM 45, GPM 712, MRPM 104 , SPP 2100/ 2350 PSI., DIFF 250 PSI., TQ. 12/ 14K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 17:30 | 18:00 | 0.50 | DRLIN2 | 10A | LUB RIG - DAILY SERVICE | No | 04 | 1 | 10146.00 | RIG SERVICE |
| 18:00 | 21:30 | 3.50 | DRLIN2 | 02B | DRILLING - MTR/TURB - VERT | No | 04 | 1 | 10213.00 | ROT. DRILL 9. 875" INTM 2, F/ 10146' - T/ 10213' ( 67' @ 19. 1FPH ) WOB 38K, RPM 45, GPM 712, MRPM 104 , SPP 2550/ 2750 PSI., DIFF 250 PSI., TQ. 12/ 14K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 21:30 | 23:00 | 1.50 | DRLIN2 | 07C | C & C MUD - PRIOR TO TRIP | No | 04 | 1 | 10213.00 | CIRULATE BTMS UP/ FLOW CHECK/ PUMP 40BBLS OF 11. 5PPG SLUG |
| 23:00 | 00:00 | 1.00 | DRLIN2 | 08A | TRIPPING - BIT/ BHA | No | 04 | 1 | 10213.00 | POOH WITH BHA # 5 DUE TO LOW ROP ON TRIP TANK F/ 10, 213 T/ 7, 232 MONITORING WELL THRU TRIP TANK. |

## Personnel Hours

| Vendor | Vendor Type | Number Of People | Hours On Site | Total Hours |
|---|---|---|---|---|
| NEWLAND CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| AES DRILLING FLUIDS LLC | MUD ENGINEER | 1 | 24.00 | 24.00 |
| SCANDRILL INC | RIG CREWS | 12 | 24.00 | 288.00 |
| SCANDRILL INC | TOOLPUSHER | 1 | 24.00 | 24.00 |
| CRESCENT CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| PHOENIX DIRECTIONAL DRILLERS | | 4 | 24.00 | 96.00 |
| INDUSTRIAL & OILFIELD SERVICES INC | CONSULTANT | 2 | 24.00 | 48.00 |

## Rig Information

| | | | | | |
|---|---|---|---|---|---|
| KB Elevation: | 2798.00 ft | KB To GL : | 25.00 ft | | |
| Rig(s) for today : | Scan Texas | Rig Manager : | ROCKY BROUMLEY | Rig Phone : | 432-400-2272 |
| Date and Time of Rig Release : | | Days From Rig Release : | 0.00 | Rig Fax : | |

## Safety

| | | | | | |
|---|---|---|---|---|---|
| Last BOP Test(F) Date : | 3/18/2018 | Last BOP Pressure : | 5000.000 psi | Last Lot Fit : | 0.00 |
| Last Csg Date : | 3/22/2018 | Last Csg Pressure : | 1500.000 psi | Last Spills Reported : | |
| Last BOP Drill Date : | | Last Test MW : | 0.00 | Last Accidents : | |
| Last Fire Drill : | | Last Test TVD : | 0.00 ft | Last Safety Meeting : | 3/27/2018 18:00 |
| Last Evac Drill : | | Last Test Pressure : | 0.000 psi | Last Safety Meeting Topic | PRESSURE WASHING/ HOUSEKEPP |

## Contacts

| | | | | | |
|---|---|---|---|---|---|
| Day Sup. : | RAUL BAEZA | Phone : | 432-853-7484 | Superintendent : | SANTOS MOROLES | Phone : | 432-559-4901 |
| Night Sup. : | JEREMY GRAY | Phone : | | Geologist : | ALBERT BONDURANT | Phone : | 205.568.5467 |
| Alt. Phone : | | | | Drill. Eng. : | BRANNON SMITH | Phone : | 432-818-1777 |

## Attachments

Daily Attachment Folder(s)

# Daily Drilling Report P2

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 17 Report Date : 3/27/2018

## Operations

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

## Mud Data

Mud Engineer : KEVIN CARTWRIGHT Mud Type : Brine Polymer Type :

| Chk | Time | Depth (ft) | Density (lbs/gal) | FV (s/qt) | YP (lbs/100 ft²) | PV (cP) | WL (cc/30 min) | Cl (ppm) | Electro Static Stability | Oil Ratio | H2O Ratio | HTHP Water Loss(cc/30 min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:46 | 10213. | 9.30000 | 28.00 | 1 | 1.00 | 100.0 | 10000 | 0.0 | 0 | 0 | 0.0 |

## Bit Data

| Bit # | Run # | Size (in) | Mfg. | Model | IADC Code | Daily Drilled (ft) | Daily Hours | Daily ROP (ft/hr) | Cum Drilled (ft) | Cum Hrs. | Avg. ROP (ft/hr) | Depth In (ft) | Depth Out (ft) | Max WOB (M Lbs) | PSI Drop (psi) | Nozzle Velocity (ft/s) | HHP (HP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04 | 1 | 9.875 | ULTERRA | CF717 | | 683.00 | 21.00 | 32.52 | 1650.00 | 45.50 | 36.26 | 9530.00 | 10213.00 | 40.000 | 229.551 | 166.13 | 95.36 |

## BHA Data

For Bit # : 04 Mud Motor : Total Made : 683 ft

Total BHA Hours : 194.0 Total Hours : 21.00

BHA # : 05 DC OD : 8.000 in DP OD : 5.000 in BHA Length : 1179.01 ft BHA Weight 0.00 M Lbs

| Item | Jts | Length (ft) | OD (in) | ID (in) | Coupling OD (in) | Weight (lbs/ft) | Thread Type | Pin/Box |
|---|---|---|---|---|---|---|---|---|
| BITS | 1 | 1.00 | 9.875 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Pin |
| MUD MOTOR | 1 | 27.83 | 8.010 | 0.000 | 0.000 | 0.000 | 6 5/8 | Box |
| NON- MAG COLLAR | 1 | 11.31 | 8.110 | 3.170 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 1.63 | 8.010 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 3.72 | 8.210 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 8.52 | 8.230 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 3.56 | 8.150 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| NON- MAG COLLAR | 1 | 28.96 | 8.000 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| COLLARS | 9 | 268.76 | 8.000 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 2.18 | 7.790 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| DRILLPIPE | 27 | 821.54 | 5.000 | 3.000 | 0.000 | 0.000 | 4 1/2 IF | Box |

## Drilling Parameters

| Bit # | Run # | Depth (ft) | WOB (M Lbs) | RPM | | GPM | Torque | | String Weight | | | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Motor | Rotary | | On Bom (ft lbf) | Off Bom (ft lbf) | Pick Up (lbs) | Stack Off (lbs) | Rotate (lbs) | On Bom (psi) | Off Bom (psi) | Diff Press. (psi) |
| 04 | 1 | 10213.00 | 40.000 | 104 | 45 | 712 | 9500.00 | 0.00 | 260 | 220 | 235 | 2200.0 | 2100.0 | 100.0 |

## Pump Data

| Bit # | Pump 1 | | | | | Pump 2 | | | | | Pump Pressure (psi) | AV DC (ft/min) | AV DP (ft/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | | | |
| 04 | BOMCO 1600 | 12.000 | 6.000 | 85 | 355.856 | BOMCO 1600 | 12.000 | 6.000 | 85 | 355.856 | 2200.00 | 520 | 241 |

## Reduced Speed Pumps

| Depth(ft) | Pump 1 | | | Pump 2 | | |
|---|---|---|---|---|---|---|
| | Model | Pressure (psi) | SPM | Model | Pressure (psi) | SPM |
| 0.00 | BOMCO 1600 | 360.0 | 30 | BOMCO 1600 | 280.0 | 30 |
| 0.00 | BOMCO 1600 | 280.0 | 40 | BOMCO 1600 | 380.0 | 40 |

# Daily Drilling Report P3

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 17 Report Date : 3/27/2018

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

**Drill Bottom Hole Targets**

| Bottom Hole Location | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Survey Data**

| Depth (ft) | Deviation | Azimuth | TVD (ft) | N/S | N/S (ft) | E/W | E/W (ft) | Vertical Section (ft) | Dog Leg |
|---|---|---|---|---|---|---|---|---|---|
| 9530.00 | 1.44 | 338.7 | 9528.66 | | -26.77 | | 0.52 | 25.84 | 1.30 |
| 9624.00 | 2.45 | 325.6 | 9622.61 | | -24.01 | | -1.04 | 22.76 | 1.15 |
| 9718.00 | 1.91 | 315.7 | 9716.54 | | -21.23 | | -3.27 | 19.46 | 0.69 |
| 9813.00 | 1.78 | 303.6 | 9811.49 | | -19.28 | | -5.61 | 16.94 | 0.43 |
| 9907.00 | 1.60 | 264.7 | 9905.45 | | -18.60 | | -8.13 | 15.57 | 1.19 |
| 10001.00 | 2.19 | 236.4 | 9999.40 | | -19.71 | | -10.93 | 15.86 | 1.14 |
| 10096.00 | 2.21 | 243.3 | 10094.33 | | -21.54 | | -14.08 | 16.73 | 0.27 |

**Hook Loads**

Up : 310

Down : 265

Rotating : 260

Torque : 0 Amps

Torque : 14000.00 ft lbf

**Comments**

UL 20 STRIPES 38-47-601H RIG MOBILIZATION BEGAN: 3/11/18 @ 13:00HRS.
RIG ON DAYRATE @ 04:30 HRS, 03/16/2018
SPUD WELL @ 1900 HRS, 03-16-18
(108 HR. RIG MOVE)
RELEASED RIG OFF OF PEGASUS 23-35-16#251H ON 03/11/18 @ 13:00 HRS .

NOTIFIED TRRC: SPUD/SURFACE: 03/15/17,10 AM, MICHELLE, JOB #123292
NOTIFIED TRRC: INTERMENT-03/22/18, 6:00AM, NAOMI, JOB # 123292
NOTIFIED TRRC: 2ND INTERMEDIATE: XXXXX
NOTIFIED TRRC: PRODUCTION: XXXX

RESUMED DRILLING OPERATIONAL HRS. = 269 ( 11.29 DAYS)

RIVERBOAT 33-71 602H 11-27-17: INSPECT 370 OF 372 JOINTS OF SCAN RIG PIPE BY RED RIVER TO DS1 CAT-4 PLUS UTEA, HAVE 368 JTS PREMIUM READY(1 JT CLASS 5 RED BAND (CRACKED) 1 JT CLASS 2 YELLOW BAND) 3 CONNECTIONS NEED SHOPPED. ALSO ALL PIPE NEEDS REHARDBANDING, WILL DO HALF OF STRING THIS WELL & THE OTHER ON NEXT WELL. (RECIEVED REPAIRED JOINTS FROM SHOP, REPLACED BAD JOINTS, TOTAL SCAN DP COUNT ON SPECTRE STATE 54-4 801H (372 PREMIUM JOINTS).

DAYS SINCE LAST LTA: (1256 DAYS ): LAST OSHA RECORDABLE INCIDENT: ( 493 )

CREW SHORTAGES ( LAST 24HRS / TOTAL HRS ): 0 / 0
CREW DOUBLES (LAST 24 HRS / TOTAL HRS): 0 / 0
NON PRODUCTIVE TIME (LAST 24HRS / TOTAL HRS): 16.5 HRS. / 18 HRS.
RIG DOWNTIME CODE 8: (LAST 24 HRS / TOTAL HRS ON WELL) – 0 HRS / 1.5 HRS
1.5 HRS CODE 8 ON 3/17/18 STRIPES 601H

20" CONDUCTER SET @ 146'
13 3/8" SURFACE: SET @ 437' W/FC @ 394' CIRC 31 BBLS CMT
10 3/4" 1 INTERMEDIATE: SET @ 4965' NO CMT TO SUF
7 5/8" 2 INTERMEDIATE SET @
5 1/2" PRODUCTION: SET @

OBM LOST TO WELL (LAST 24 HRS / TOTAL BBLS): XX BBLS / XXXX BBLS

OBM LOST BEHIND CASING: 0 BBLS
OBM LOST: 0 BBLS TO FORMATION// TOTAL=XXX BBLS
OBM LOST: 0 BBLS TO CUTTINGS // TOTAL= XXX BBLS
OBM LOST: XX BBLS// TOTAL = XXX BBLS TO CLEANING PITS,DISCHARGE OVER SHAKERS, LOST ON DISPLACEMENT, SURFACE LOSSES, CENTRIFUGE LOSSES
ADDITIONS- XXX BBL RECIEVED FROM KERMIT ON 3/XX/18// OTHER ADDITIONS XX BBL
OBM RECOVERED FROM NOV DRYER SHAKERS -0 BBL/ 0 BBLS RECOVERED TO DATE.
STARTING OBM VOLUME: XXXX BBLS TOTAL VOLUME: XXXX BBLS
TRANSFERRED OUT 0 BBLS

STARTING RIG FUEL: RIG = 1754 GALS TRANSFERED FROM PEGUSAS 23-35-16 #251 0 GALS OBM DIESEL, 0 GALS AUX. DIESEL

DIESEL USAGE:
RIG FUEL ( DAILY/TOTAL ): 1175/ 10751 GALS
MUD DIESEL ( DAILY/TOTAL ): 0/000 GALS
AUXILIARY EQUIPMENT (DAILY/TOTAL): 112 / 838 GALS
CERTARUS CNG (DAILY/ TOTAL) 1615.82 MCF / 11,483.39 TOTAL MCF

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ORIGINAL TARGET LINE - @11,755 TVD 90° 163.73 AZM

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***NO LEAKS OR SPILLS REPORTED OR OBSERVED***

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BHA #5: BIT #4-9.875" CF717 SER# 36022 W/ 7-16'S TFA= 1.3744 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1179.01' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 8563' // DEPTH OUT 10213' // FTG. DRILLED 1650' // TOTAL DRLG HRS. 45 // TOTAL MTR HRS. 50 // AVG R.O.P. 36.3 FPH // REASON PULLED = LOW ROP, BIT GRADE= XXXXXX

BHA #4: BIT #3-9.875" SMITH XZ616 SER# JN7079 W/ 6-16'S TFA= 1.767 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1178.28' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 4970' // DEPTH OUT 8563' // FTG. DRILLED 3583' // TOTAL DRLG HRS. 36.5 // TOTAL MTR HRS. 39.5 // AVG R.O.P. 98.4 FPH // REASON PULLED = LOW PR// BIT GRADE= 8-2-CR-N-1-CT-PR

BHA #3: BIT #2-12.250" SMITH XS716S SER# ED1338 W/ 2-14'S & 5 X 15'S TFA= 1.163 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 11.25 OD IBS // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // = TOT. LGTH. = 370.23' // BIT TO BEND 6.43 // BIT TO SURVEY 57' // BIT TO GAMMA 52.81' // DEPTH IN 445' // DEPTH OUT 4970' // FTG. DRILLED 4525' // TOTAL DRLG HRS. 62 // TOTAL MTR HRS. 68 // AVG R.O.P. 72.2 FPH // REASON PULLED = TD CASING POINT ? // BIT GRADE= 1-5-BT-S-1-BT-TD

BHA #2: RE-RUN BIT #1-17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" BIT SUB // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 253.16' // BIT TO SURVEY 48' // BIT TO GAMMA 31' // DEPTH IN 300' // DEPTH OUT 445' // FTG. DRILLED 145' // TOTAL DRLG HRS. 3.5 // TOTAL MTR HRS. N/A // AVG R.O.P. 41.4 FPH // REASON PULLED = TD // BIT GRADE=1-2-NO-G-I-NO-TD

BHA #1: 17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 278.09' // BIT TO BEND 6.43' // BIT TO SURVEY 76' // BIT TO GAMMA 59' // DEPTH IN 146' // DEPTH OUT 300' // FTG. DRILLED 154' // TOTAL DRLG HRS. 15.5 // TOTAL MTR HRS. 18 // AVG R.O.P. 9.94 FPH // REASON PULLED = P-RATE // BIT GRADE = 1-2-NO-G-I-NO-PR

**Solids Removal**

**Shakers**

| Shaker # | Bottom | Middle | Top |
|---|---|---|---|

**Other Solids Removal Equipment**

| Item | Hrs Run | Intake Density (lbs/gal) | Overflow Density (lbs/gal) | Underflow Density (lbs/gal) |
|---|---|---|---|---|

**Mud Log**

Formation : 1st Bone Spring Sand

| | | | | | |
|---|---|---|---|---|---|
| Background Gas : | 300 | Connection Gas : | 544 | Flare Length : | N/A |
| Trip Calc : | | | | | |

**Well Incident**

| | | | | | |
|---|---|---|---|---|---|
| Report # : | | Incident Date : | | Report Date : | |
| Problem Name : | | | | | |

# Daily Drilling Report P1

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 18 Report Date : 3/28/2018

## Financials

Daily Cost : $61,638 Cost to Date : $1,619,990

AFE # : PB18100002

AFE : $10,772,650 AFE Cost to Date : $1,619,990

## Operations

Event Objective : Scan Texas D&C DB DEV WC A Event Sub Type : Drilling Prod

A.M. Ops : DRILL 9.875' INTERM 2 F/10,631' - T/10, 815" (184' @ 30.1 FPH) MW 9.2 PPG

Ops Forecast : DRILL 9.875 INTERM KOP @11,125'/ CIRC. BTMS UP/ POOH FOR CURVE ASSEMBLY

24hr. Summary : FINISH POOH/ CHANGE BITS/ TIH TO SHOE/ CUT DRILL LINE/ FINISH TIH/ DRILLING 9 .875 INTERM TOWARDS KOP @ 11,125'

Planning Status :

## Elevations

GL 2773.00 ft Reserve Pit Freeboard : 0.00 ft

## Progress

Days from Spud : 12 Progress : 418.00 ft MD at Report Time : 10631.00 ft

Rig on Location (days) : 18 Est. TD : 21599.00 ft TVD At Report Time : 10566.00 ft

## Event Dates

| Spud Date | Spud Time | Suspended Drilling Date | Resume Drilling Date | Total Depth Date | Total Depth Time | Finished Drilling Date | Finished Drilling Time | Rig Released Date | Rig Released Time |
|---|---|---|---|---|---|---|---|---|---|
| 3/16/2018 | 19:00 | | | | | | | | |

## Time Breakdown

Start Time : 00:00 Initial Depth : 0.00 ft Drilling Hours : 13.00 Total Drilling Hours : 200.50 Total Hours : 24.00 Time Code : DRILLING -

Drilling % : 54.17 Rotating % : 80.77 Sliding % : 19.23

| Start Time | End Time | Hours | Phase | Activity | | NPT | Bit # | Run # | Depth (ft) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Time Code | Description | | | | | |
| 00:00 | 05:00 | 5.00 | DRLIN2 | 08A | TRIPPING - BIT/ BHA | No | 04 | 1 | 10213.00 | POOH F/ 7100 T/ 4850. FLOW CHECK WELL. WELL FLOWING. SHUT IN WELL. FORCE FILL W/ 50BBLS 11. 4 KILL MUD. FLOW CHECK WELL STATIC CONTNUE POOH ON TRIP TANK TO BIT |
| 05:00 | 06:00 | 1.00 | DRLIN2 | 08A | TRIPPING - BIT/ BHA | No | 05 | 1 | 10213.00 | BREAK OF BIT. BIT GRADED 8 -4 - BT -A I - CT - PR. PICK MADE UP NEW BITAS FOLLOWS: BHA # 5: BIT # 5 - 9. 875" CF613 SER# 34734 W/ 5 - 16S 1 - 18' S TFA= 1. 2303 // 7. 75" PHOENIX/ NOV ADJ., MUD MOTOR SET @ 1. 50° ( 7/ 8 LOBE, 4 STG., . 16 REV/ GAL ) NMPC // XO // VELOCITY= ( XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11. 25 OD IBS // 9 - 8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1179. 01' // BIT TO BEND 6. 43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' ( SAME BHA JUST CHAGED BITS) TIH/ 3982 ON TRIP TANK. WELL DISPLACING PROPER AMOUNT |
| 06:00 | 06:30 | 0.50 | DRLIN2 | 08A | TRIPPING - BIT/ BHA | No | 05 | 1 | 10213.00 | TIH F/ 3982 T/ 4950 FILL PIPE |
| 06:30 | 08:00 | 1.50 | DRLIN2 | 12A | SLIP & CUT DRLG LINE - LINE | No | 05 | 1 | 10213.00 | INSTALL ROTATING RUBBER AND CUT/ SLIP DRILL LINE |
| 08:00 | 11:00 | 3.00 | DRLIN2 | 08A | TRIPPING - BIT/ BHA | No | 05 | 1 | 10213.00 | TIH F/ 4950 T/ 10213 MONITORING DISPLACMENT ON TRIP TANK. WELL DISPLACING PROPERLY |
| 11:00 | 14:00 | 3.00 | DRLIN2 | 02B | DRILLING - MTR/TURB - VERT | No | 05 | 1 | 10213.00 | ROT. DRILL 9. 875" INTM 2, F/ 10213' - T/ 10317' ( 104' @ 34. 6FPH ) WOB 20K, RPM 45, GPM 650, MRPM 104 , SPP 2250/ 2450 PSI., DIFF 200 PSI., TQ. 12/ 14K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 14:00 | 15:00 | 1.00 | DRLIN2 | 02B | DRILLING - MTR/TURB - VERT | No | 05 | 1 | 10342.00 | ROT. DRILL 9. 875" INTM 2, F/ 10317' - T/ 10342' ( 25' @ 25 FPH ) WOB 20K, RPM 45, GPM 650, MRPM 104 , SPP 2250/ 2450 PSI., DIFF 200 PSI., TQ. 12/ 14K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 15:00 | 17:00 | 2.00 | DRLIN2 | 02M | DRILLING - DRILLING - SLIDING | No | 05 | 1 | 10377.00 | SLIDE DRILL 9. 875" INTM 2, F/ 10342' - T/ 10377' ( 35' @ 17. 5 FPH ) TF 50R WOB 20K, GPM 650, MRPM 104 , SPP 2250/ 2450 PSI., DIFF 200 PSI. DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 17:00 | 18:00 | 1.00 | DRLIN2 | 02B | DRILLING - MTR/TURB - VERT | No | 05 | 1 | 10408.00 | ROT. DRILL 9. 875" INTM 2, F/ 10377' - T/ 10408' ( 31' @ 31 FPH ) WOB 20K, RPM 45, GPM 650, MRPM 104 , SPP 2250/ 2450 PSI., DIFF 200 PSI., TQ. 12/ 14K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 18:00 | 21:00 | 3.00 | DRLIN2 | 02B | DRILLING - MTR/TURB - VERT | No | 05 | 1 | 10523.00 | ROT. DRILL 9. 875" INTM 2, F/ 10408' - T/ 10523' ( 115' @ 38. 3 FPH ) WOB 25K, RPM 45, GPM 650, MRPM 104 , SPP 2250/ 2450 PSI., DIFF 200 PSI., TQ. 12/ 14K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 21:00 | 23:30 | 2.50 | DRLIN2 | 02B | DRILLING - MTR/TURB - VERT | No | 05 | 1 | 10628.00 | ROT. DRILL 9. 875" INTM 2, F/ 10523' - T/ 10628' ( 105' @ 42 FPH ) WOB 25K, RPM 45, GPM 650, MRPM 104 , SPP 2250/ 2450 PSI., DIFF 200 PSI., TQ. 12/ 14K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |
| 23:30 | 00:00 | 0.50 | DRLIN2 | 02M | DRILLING - DRILLING - SLIDING | No | 05 | 1 | 10631.00 | SLIDE DRILL 9. 875" INTM 2, F/ 10628' - T/ 10631' ( 3' @ 6 FPH ) TF 45R WOB 20K, GPM 650, MRPM 104 , SPP 2250/ 2450 PSI., DIFF 200 PSI. DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 2 PPG 29 VIS. |

## Personnel Hours

| Vendor | Vendor Type | Number Of People | Hours On Site | Total Hours |
|---|---|---|---|---|
| NEWLAND CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |

| | | | | |
|---|---|---|---|---|
| AES DRILLING FLUIDS LLC | MUD ENGINEER | 1 | 24.00 | 24.00 |
| SCANDRILL INC | RIG CREWS | 12 | 24.00 | 288.00 |
| SCANDRILL INC | TOOLPUSHER | 1 | 24.00 | 24.00 |
| CRESCENT CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| PHOENIX DIRECTIONAL DRILLERS | | 4 | 24.00 | 96.00 |
| INDUSTRIAL & OILFIELD SERVICES INC | CONSULTANT | 2 | 24.00 | 48.00 |

**Rig Information**

| | | | | | |
|---|---|---|---|---|---|
| KB Elevation: | 2798.00 ft | KB To GL : | 25.00 ft | | |
| Rig(s) for today : | Scan Texas | Rig Manager : | TRENT VAUGHN | Rig Phone : | 432-400-2272 |
| Date and Time of Rig Release : | | Days From Rig Release : | 0.00 | Rig Fax : | |

**Safety**

| | | | | | |
|---|---|---|---|---|---|
| Last BOP Test(F) Date : | 3/18/2018 | Last BOP Pressure : | 5000.000 psi | Last Lot Fit : | 0.00 |
| Last Csg Date : | 3/22/2018 | Last Csg Pressure : | 1500.000 psi | Last Spills Reported : | |
| Last BOP Drill Date : | | Last Test MW : | 0.00 | Last Accidents : | |
| Last Fire Drill : | | Last Test TVD : | 0.00 ft | Last Safety Meeting : | 3/28/2018 18:00 |
| Last Evac Drill : | | Last Test Pressure : | 0.000 psi | Last Safety Meeting Topic | BUILDING STANDS |

**Contacts**

| | | | | | |
|---|---|---|---|---|---|
| Day Sup. : | RAUL BAEZA | Phone : | 432-853-7484 | Superintendent : | SANTOS MOROLES | Phone : | 432-559-4901 |
| Night Sup. : | JEREMY GRAY | Phone : | | Geologist : | ALBERT BONDURANT | Phone : | 205.568.5467 |
| Alt. Phone : | | | | Drill. Eng. : | BRANNON SMITH | Phone : | 432-818-1777 |

**Attachments**

Daily Attachment Folder(s)

# Daily Drilling Report P2

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 18 Report Date : 3/28/2018

## Operations

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

## Mud Data

Mud Engineer : KEVIN CARTWRIGHT Mud Type : Brine Polymer Type :

| Chk | Time | Depth (ft) | Density (lbs/gal) | FV (s/qt) | YP (lbs/100 ft²) | PV (cP) | WL (cc/30 min) | Cl (ppm) | Electro Static Stability | Oil Ratio | H2O Ratio | HTHP Water Loss(cc/30 min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:23 | 10460. | 9.30000 | 28.00 | 1 | 1.00 | 100.0 | 10000 | 0.0 | 0 | 0 | 0.0 |

## Bit Data

| Bit # | Run # | Size (in) | Mfg. | Model | IADC Code | Daily Drilled (ft) | Daily Hours | Daily ROP (ft/hr) | Cum Drilled (ft) | Cum Hrs. | Avg. ROP (ft/hr) | Depth In (ft) | Depth Out (ft) | Max WOB (M Lbs) | PSI Drop (psi) | Nozzle Velocity (ft/s) | HHP (HP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05 | 1 | 9.875 | ULTERRA | CF613 | | 418.00 | 13.00 | 32.15 | 418.00 | 13.00 | 32.15 | 10213.00 | 10631.00 | 25.000 | 235.120 | 168.14 | 88.48 |

## BHA Data

For Bit # : 05 Mud Motor : Total Made : 418 ft

Total BHA Hours : 207.0 Total Hours : 13.00

BHA # : 04 DC OD : 8.000 in DP OD : 5.000 in BHA Length : 1178.28 ft BHA Weight 0.00 M Lbs

| Item | Jts | Length (ft) | OD (in) | ID (in) | Coupling OD (in) | Weight (lbs/ft) | Thread Type | Pin/Box |
|---|---|---|---|---|---|---|---|---|
| BITS | 1 | 1.00 | 9.875 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Pin |
| MUD MOTOR | 1 | 27.10 | 8.650 | 0.000 | 0.000 | 0.000 | 6 5/8 | Box |
| NON- MAG COLLAR | 1 | 11.31 | 8.110 | 3.170 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 1.63 | 8.010 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 3.72 | 8.210 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 8.52 | 8.230 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 3.56 | 8.150 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| NON- MAG COLLAR | 1 | 28.96 | 8.000 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| COLLARS | 9 | 268.76 | 8.000 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 2.18 | 7.790 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| DRILLPIPE | 27 | 821.54 | 5.000 | 3.000 | 0.000 | 0.000 | 4 1/2 IF | Box |

## Drilling Parameters

| Bit # | Run # | Depth (ft) | WOB (M Lbs) | RPM | | GPM | Torque | | String Weight | | | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Motor | Rotary | | On Bom (ft lbf) | Off Bom (ft lbf) | Pick Up (lbs) | Stack Off (lbs) | Rotate (lbs) | On Bom (psi) | Off Bom (psi) | Diff Press. (psi) |
| 05 | 1 | 10631.00 | 25.000 | 109 | 40 | 650 | 12500.00 | 8500.00 | 320 | 275 | 290 | 2450.0 | 2250.0 | 200.0 |

## Pump Data

| Bit # | Pump 1 | | | | | Pump 2 | | | | | Pump Pressure (psi) | AV DC (ft/min) | AV DP (ft/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | | | |
| 05 | BOMCO 1600 | 12.000 | 6.000 | 77 | 322.363 | BOMCO 1600 | 12.000 | 6.000 | 77 | 322.363 | 2289.00 | 471 | 218 |

## Reduced Speed Pumps

| Depth(ft) | Pump 1 | | | Pump 2 | | |
|---|---|---|---|---|---|---|
| | Model | Pressure (psi) | SPM | Model | Pressure (psi) | SPM |
| 10500.00 | BOMCO 1600 | 200.0 | 30 | BOMCO 1600 | 220.0 | 30 |
| 10500.00 | BOMCO 1600 | 260.0 | 40 | BOMCO 1600 | 280.0 | 40 |

# Daily Drilling Report P3

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 18 Report Date : 3/28/2018

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

**Drill Bottom Hole Targets**

| Bottom Hole Location | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Survey Data**

| Depth (ft) | Deviation | Azimuth | TVD (ft) | N/S | N/S (ft) | E/W | E/W (ft) | Vertical Section (ft) | Dog Leg |
|---|---|---|---|---|---|---|---|---|---|
| 10284.00 | 2.26 | 230.9 | 10282.20 | | -25.82 | | -19.76 | 19.25 | 0.16 |
| 10379.00 | 1.08 | 276.7 | 10377.16 | | -26.90 | | -22.11 | 19.63 | 1.76 |
| 10473.00 | 0.90 | 292.7 | 10471.15 | | -26.52 | | -23.67 | 18.82 | 0.34 |
| 10568.00 | 1.06 | 275.1 | 10566.13 | | -26.15 | | -25.23 | 18.03 | 0.35 |

**Hook Loads**

| | | |
|---|---|---|
| Up : | 320 | |
| Down : | 275 | |
| Rotating : | 290 | |
| Torque : | 0 | Amps |
| Torque : | 14500.00 | ft lbf |

**Comments**

UL 20 STRIPES 38-47-601H RIG MOBILIZATION BEGAN: 3/11/18 @ 13:00HRS.
RIG ON DAYRATE @ 04:30 HRS, 03/16/2018
SPUD WELL @ 1900 HRS, 03-16-18
(108 HR. RIG MOVE)
RELEASED RIG OFF OF PEGASUS 23-35-16#251H ON 03/11/18 @ 13:00 HRS .

NOTIFIED TRRC: SPUD/SURFACE: 03/15/17,10 AM, MICHELLE, JOB #123292
NOTIFIED TRRC: INTERMENT-03/22/18, 6:00AM, NAOMI, JOB # 123292
NOTIFIED TRRC: 2ND INTERMEDIATE: XXXXX
NOTIFIED TRRC: PRODUCTION: XXXX

RESUMED DRILLING OPERATIONAL HRS. = 293 ( 12.29 DAYS)

RIVERBOAT 33-71 602H 11-27-17: INSPECT 370 OF 372 JOINTS OF SCAN RIG PIPE BY RED RIVER TO DS1 CAT-4 PLUS UTEA, HAVE 368 JTS PREMIUM READY(1 JT CLASS 5 RED BAND (CRACKED) 1 JT CLASS 2 YELLOW BAND) 3 CONNECTIONS NEED SHOPPED. ALSO ALL PIPE NEEDS REHARDBANDING, WILL DO HALF OF STRING THIS WELL & THE OTHER ON NEXT WELL. (RECIEVED REPAIRED JOINTS FROM SHOP, REPLACED BAD JOINTS, TOTAL SCAN DP COUNT ON SPECTRE STATE 54-4 801H (372 PREMIUM JOINTS).

DAYS SINCE LAST LTA: (1257 DAYS ): LAST OSHA RECORDABLE INCIDENT: ( 494 )

CREW SHORTAGES ( LAST 24HRS / TOTAL HRS ): 0 / 0
CREW DOUBLES (LAST 24 HRS / TOTAL HRS): 0 / 0
NON PRODUCTIVE TIME (LAST 24HRS / TOTAL HRS): 16.5 HRS. / 18 HRS.
RIG DOWNTIME CODE 8: (LAST 24 HRS / TOTAL HRS ON WELL) – 0 HRS / 1.5 HRS
1.5 HRS CODE 8 ON 3/17/18 STRIPES 601H

20" CONDUCTER SET @ 146'
13 3/8" SURFACE: SET @ 437' W/FC @ 394' CIRC 31 BBLS CMT
10 3/4" 1 INTERMEDIATE: SET @ 4965' NO CMT TO SUF
7 5/8" 2 INTERMEDIATE SET @
5 1/2" PRODUCTION: SET @

OBM LOST TO WELL (LAST 24 HRS / TOTAL BBLS): XX BBLS / XXXX BBLS

OBM LOST BEHIND CASING: 0 BBLS
OBM LOST: 0 BBLS TO FORMATION// TOTAL=XXX BBLS
OBM LOST: 0 BBLS TO CUTTINGS // TOTAL= XXX BBLS
OBM LOST: XX BBLS// TOTAL = XXX BBLS TO CLEANING PITS,DISCHARGE OVER SHAKERS, LOST ON DISPLACEMENT, SURFACE LOSSES, CENTRIFUGE LOSSES
ADDITIONS- XXX BBL RECIEVED FROM KERMIT ON 3/XX/18// OTHER ADDITIONS XX BBL
OBM RECOVERED FROM NOV DRYER SHAKERS -0 BBL/ 0 BBLS RECOVERED TO DATE.
STARTING OBM VOLUME: XXXX BBLS TOTAL VOLUME: XXXX BBLS
TRANSFERRED OUT 0 BBLS

STARTING RIG FUEL: RIG = 1754 GALS TRANSFERED FROM PEGUSAS 23-35-16 #251 0 GALS OBM DIESEL, 0 GALS AUX. DIESEL

DIESEL USAGE:
RIG FUEL ( DAILY/TOTAL ): 1186/ 11937 GALS
MUD DIESEL ( DAILY/TOTAL ): 0/000 GALS
AUXILIARY EQUIPMENT (DAILY/TOTAL): 63 / 901 GALS
CERTARUS CNG (DAILY/ TOTAL) 870.59 MCF / 12,353.98 TOTAL MCF

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ORIGINAL TARGET LINE - @11,755' TVD 90° 163.73° AZM
PLAN 2 CHANGED 03-27-18 @11,810' TVD 90° 163.73° AZM

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***NO LEAKS OR SPILLS REPORTED OR OBSERVED***

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BHA #5: BIT #5-9.875" CF613 SER# 34734 W/ 5-16S 1-18'S TFA= 1.2303 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1179.01' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 10213' // DEPTH OUT XXXXX' // FTG. DRILLED XXXX' // TOTAL DRLG HRS. XX // TOTAL MTR HRS. XX // AVG R.O.P. XX.XX FPH // REASON PULLED = XXXXX, BIT GRADE= XXXXXX

BHA #5: BIT #4-9.875" CF717 SER# 36022 W/ 7-16'S TFA= 1.3744 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1179.01' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 8563' // DEPTH OUT 10213' // FTG. DRILLED 1650' // TOTAL DRLG HRS. 45 // TOTAL MTR HRS. 50 // AVG R.O.P. 36.3 FPH // REASON PULLED = LOW ROP, BIT GRADE= 8-4-BT-A-I-CT-PR

BHA #4: BIT #3-9.875" SMITH XZ616 SER# JN7079 W/ 6-16'S TFA= 1.767 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1178.28' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 4970' // DEPTH OUT 8563' // FTG. DRILLED 3583' // TOTAL DRLG HRS. 36.5 // TOTAL MTR HRS. 39.5 // AVG R.O.P. 98.4 FPH // REASON PULLED = LOW PR// BIT GRADE= 8-2-CR-N-1-CT-PR

BHA #3: BIT #2-12.250" SMITH XS716S SER# ED1338 W/ 2-14'S & 5 X 15'S TFA= 1.163 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 11.25 OD IBS // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // = TOT. LGTH. = 370.23' // BIT TO BEND 6.43 // BIT TO SURVEY 57' // BIT TO GAMMA 52.81' // DEPTH IN 445' // DEPTH OUT 4970' // FTG. DRILLED 4525' // TOTAL DRLG HRS. 62 // TOTAL MTR HRS. 68 // AVG R.O.P. 72.2 FPH // REASON PULLED = TD CASING POINT ? // BIT GRADE= 1-5-BT-S-1-BT-TD

BHA #2: RE-RUN BIT #1-17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" BIT SUB // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 253.16' // BIT TO SURVEY 48' // BIT TO GAMMA 31' // DEPTH IN 300' // DEPTH OUT 445' // FTG. DRILLED 145' // TOTAL DRLG HRS. 3.5 // TOTAL MTR HRS. N/A // AVG R.O.P. 41.4 FPH // REASON PULLED = TD // BIT GRADE=1-2-NO-G-I-NO-TD

BHA #1: 17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 278.09' // BIT TO BEND 6.43' // BIT TO SURVEY 76' // BIT TO GAMMA 59' // DEPTH IN 146' // DEPTH OUT 300' // FTG. DRILLED 154' // TOTAL DRLG HRS. 15.5 // TOTAL MTR HRS. 18 // AVG R.O.P. 9.94 FPH // REASON PULLED = P-RATE // BIT GRADE = 1-2-NO-G-I-NO-PR

## Solids Removal

### Shakers

| Shaker # | Bottom | Middle | Top |
|---|---|---|---|

### Other Solids Removal Equipment

| Item | Hrs Run | Intake Density (lbs/gal) | Overflow Density (lbs/gal) | Underflow Density (lbs/gal) |
|---|---|---|---|---|

**Mud Log**

| | | | | | |
|---|---|---|---|---|---|
| Formation : | 3rd Bone Spring | | | | |
| Background Gas : | 650 | Connection Gas : | 1571 | Flare Length : | N/A |
| Trip Calc : | | | | | |

**Well Incident**

| | | | | | |
|---|---|---|---|---|---|
| Report # : | | Incident Date : | | Report Date : | |
| Problem Name : | | | | | |

# Daily Drilling Report P1

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 19 Report Date : 3/29/2018

## Financials

Daily Cost : $52,917 Cost to Date : $1,672,907

AFE # : PB18100002

AFE : $10,772,650 AFE Cost to Date : $1,672,907

## Operations

Event Objective : Scan Texas D&C DB DEV WC A Event Sub Type : Drilling Prod

A.M. Ops : DRAIN MOTOR/ LAY OUT MOTOR AND BIT/ PICK UP CURVE ASSEMBLY/ TIH TO BTM AT 11,121',MOTORING WELL ON TRIP TANK

Ops Forecast : TIH W/ CURVE ASSEMBLY/ DRILL 9.875 CURVE TOWARDS 60 DEGREES

24hr. Summary : DRILL 9.875' INTERM 2 F/10,631' - T/11,121" (KOP) (490' @ 29.6 FPH) MW 9.5 PPG/ CIRCULATE BTMS UP/ PUMPS SLUG/ POOH FOR CURVE ASSEMBLY

Planning Status :

## Elevations

GL 2773.00 ft Reserve Pit Freeboard : 0.00 ft

## Progress

Days from Spud : 13 Progress : 494.00 ft MD at Report Time : 11125.00 ft

Rig on Location (days) : 19 Est. TD : 21599.00 ft TVD At Report Time : 11037.00 ft

## Event Dates

| Spud Date | Spud Time | Suspended Drilling Date | Resume Drilling Date | Total Depth Date | Total Depth Time | Finished Drilling Date | Finished Drilling Time | Rig Released Date | Rig Released Time |
|---|---|---|---|---|---|---|---|---|---|
| 3/16/2018 | 19:00 | | | | | | | | |

## Time Breakdown

Start Time : 00:00 Initial Depth : 0.00 ft Drilling Hours : 16.50 Total Drilling Hours : 217.00 Total Hours : 24.00 Time Code : TRIPPING -

Drilling % : 68.75 Rotating % : 81.82 Sliding % : 18.18

| Start Time | End Time | Hours | Phase | Activity | | NPT | Bit # | Run # | Depth (ft) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Time Code | Description | | | | | |
| 00:00 | 01:30 | 1.50 | DRLIN2 | 02M | DRILLING - DRILLING - SLIDING | No | 05 | 1 | 10658.00 | SLIDE DRILL 9. 875" INTM 2, F/ 10631' - T/ 10658' ( 27' @ 18 FPH ) TF 45R WOB 20K, GPM 650, MRPM 104 , SPP 2250/ 2450 PSI., DIFF 200 PSI. DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 3 PPG 29 VIS. |
| 01:30 | 04:30 | 3.00 | DRLIN2 | 02B | DRILLING - MTR/TURB - VERT | No | 05 | 1 | 10777.00 | ROT. DRILL 9. 875" INTM 2, F/ 10658' - T/ 10777' ( 119' @ 39. 6 FPH ) WOB 25K, RPM 45, GPM 650, MRPM 104 , SPP 2250/ 2450 PSI., DIFF 200 PSI., TQ. 12/ 14K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 3 PPG 29 VIS. |
| 04:30 | 06:00 | 1.50 | DRLIN2 | 02B | DRILLING - MTR/TURB - VERT | No | 05 | 1 | 10812.00 | ROT. DRILL 9. 875" INTM 2, F/ 10777' - T/ 10812' ( 35' @ 23. 3 FPH ) WOB 25K, RPM 45, GPM 650, MRPM 104 , SPP 2250/ 2450 PSI., DIFF 200 PSI., TQ. 12/ 14K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 3 PPG 29 VIS. |
| 06:00 | 07:30 | 1.50 | DRLIN2 | 02M | DRILLING - DRILLING - SLIDING | No | 05 | 1 | 10837.00 | SLIDE DRILL 9. 875" INTM 2, F/ 10812' - T/ 10837' ( 25' @ 16. 6 FPH ) TF 45R WOB 20K, GPM 650, MRPM 104 , SPP 2250/ 2450 PSI., DIFF 200 PSI. DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 3 PPG 29 VIS. |
| 07:30 | 10:30 | 3.00 | DRLIN2 | 02B | DRILLING - MTR/TURB - VERT | No | 05 | 1 | 10929.00 | ROT. DRILL 9. 875" INTM 2, F/ 10837' - T/ 10929' ( 92' @ 30. 6 FPH ) WOB 25K, RPM 45, GPM 650, MRPM 104 , SPP 2250/ 2450 PSI., DIFF 200 PSI., TQ. 12/ 14K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 3 PPG 29 VIS. |
| 10:30 | 13:30 | 3.00 | DRLIN2 | 02B | DRILLING - MTR/TURB - VERT | No | 05 | 1 | 11026.00 | ROT. DRILL 9. 875" INTM 2, F/ 10929' - T/ 11026' ( 97' @ 32. 3 FPH ) WOB 25K, RPM 45, GPM 650, MRPM 104 , SPP 2250/ 2450 PSI., DIFF 200 PSI., TQ. 12/ 14K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 3 PPG 29 VIS. |
| 13:30 | 16:30 | 3.00 | DRLIN2 | 02B | DRILLING - MTR/TURB - VERT | No | 05 | 1 | 11121.00 | ROT. DRILL 9. 875" INTM 2, F/ 11026' - T/ 11121' ( 95' @ 31. 6 FPH ) WOB 25K, RPM 45, GPM 650, MRPM 104 , SPP 2250/ 2450 PSI., DIFF 200 PSI., TQ. 12/ 14K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9. 5 PPG 29 VIS. |
| 16:30 | 19:00 | 2.50 | DRLIN2 | 07C | C & C MUD - PRIOR TO TRIP | No | 05 | 1 | 11121.00 | CIRCULATE BTMS UP/ FLOW CHECK/ SPOT 60BBLS 11. 8 KILL MUD @ 8500 SLUG PIPE WITH 60BBLS 11. 8 SLUG |
| 19:00 | 21:00 | 2.00 | DRLIN2 | 08A | TRIPPING - BIT/ BHA | No | 05 | 1 | 11125.00 | POOH F/ 11, 125' T/ 4950 ON TRIP TANK WELL TAKING PROPER FILLS FLOW CHECK |
| 21:00 | 23:00 | 2.00 | DRLIN2 | 08A | TRIPPING - BIT/ BHA | No | 05 | 1 | 11125.00 | CONTINUE POOH F/ 4950 T/ BHA ON TRIP TANK WELL TAKING PROPER FILLS |
| 23:00 | 00:00 | 1.00 | DRLIN2 | 08A | TRIPPING - BIT/ BHA | No | 05 | 1 | 11125.00 | L/ D 8" DRILL COLLARS |

## Personnel Hours

| Vendor | Vendor Type | Number Of People | Hours On Site | Total Hours |
|---|---|---|---|---|
| NEWLAND CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| AES DRILLING FLUIDS LLC | MUD ENGINEER | 1 | 24.00 | 24.00 |
| SCANDRILL INC | RIG CREWS | 12 | 24.00 | 288.00 |
| SCANDRILL INC | TOOLPUSHER | 1 | 24.00 | 24.00 |
| CRESCENT CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| PHOENIX DIRECTIONAL DRILLERS | | 4 | 24.00 | 96.00 |
| INDUSTRIAL & OILFIELD SERVICES INC | CONSULTANT | 2 | 24.00 | 48.00 |

## Rig Information

| | | | | | |
|---|---|---|---|---|---|
| KB Elevation: | 2798.00 ft | KB To GL : | 25.00 ft | | |
| Rig(s) for today : | Scan Texas | Rig Manager : | TRENT VAUGHN | Rig Phone : | 432-400-2272 |
| Date and Time of Rig Release : | | Days From Rig Release : | 0.00 | Rig Fax : | |

## Safety

| | | | | | |
|---|---|---|---|---|---|
| Last BOP Test(F) Date : | 3/18/2018 | Last BOP Pressure : | 5000.000 psi | Last Lot Fit : | 0.00 |
| Last Csg Date : | 3/22/2018 | Last Csg Pressure : | 1500.000 psi | Last Spills Reported : | |
| Last BOP Drill Date : | | Last Test MW : | 0.00 | Last Accidents : | |
| Last Fire Drill : | | Last Test TVD : | 0.00 ft | Last Safety Meeting : | 3/29/2018 18:00 |
| Last Evac Drill : | | Last Test Pressure : | 0.000 psi | Last Safety Meeting Topic | TRIPPING PIPE |

## Contacts

| | | | | | |
|---|---|---|---|---|---|
| Day Sup. : | RAUL BAEZA | Phone : | 432-853-7484 | Superintendent : | SANTOS MOROLES | Phone : | 432-559-4901 |
| Night Sup. : | JEREMY GRAY | Phone : | | Geologist : | ALBERT BONDURANT | Phone : | 205.568.5467 |
| Alt. Phone : | | | | Drill. Eng. : | BRANNON SMITH | Phone : | 432-818-1777 |

## Attachments

Daily Attachment Folder(s)

# Daily Drilling Report P2

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 19 Report Date : 3/29/2018

## Operations

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

## Mud Data

Mud Engineer : KEVIN CARTWRIGHT Mud Type : Brine Polymer Type :

| Chk | Time | Depth (ft) | Density (lbs/gal) | FV (s/qt) | YP (lbs/100 ft²) | PV (cP) | WL (cc/30 min) | Cl (ppm) | Electro Static Stability | Oil Ratio | H2O Ratio | HTHP Water Loss(cc/30 min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:53 | 11121. | 9.50000 | 28.00 | 1 | 1.00 | 100.0 | 115000 | 0.0 | 0 | 0 | 0.0 |

## Bit Data

| Bit # | Run # | Size (in) | Mfg. | Model | IADC Code | Daily Drilled (ft) | Daily Hours | Daily ROP (ft/hr) | Cum Drilled (ft) | Cum Hrs. | Avg. ROP (ft/hr) | Depth In (ft) | Depth Out (ft) | Max WOB (M Lbs) | PSI Drop (psi) | Nozzle Velocity (ft/s) | HHP (HP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05 | 1 | 9.875 | ULTERRA | CF613 | | 490.00 | 16.50 | 29.70 | 908.00 | 29.50 | 30.78 | 10631.00 | 11121.00 | 25.000 | 240.176 | 168.14 | 90.38 |

## BHA Data

For Bit # : 05 Mud Motor : Total Made : 490 ft

Total BHA Hours : 226.0 Total Hours : 16.50

BHA # : 04 DC OD : 8.000 in DP OD : 5.000 in BHA Length : 1178.28 ft BHA Weight 0.00 M Lbs

| Item | Jts | Length (ft) | OD (in) | ID (in) | Coupling OD (in) | Weight (lbs/ft) | Thread Type | Pin/Box |
|---|---|---|---|---|---|---|---|---|
| BITS | 1 | 1.00 | 9.875 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Pin |
| MUD MOTOR | 1 | 27.10 | 8.650 | 0.000 | 0.000 | 0.000 | 6 5/8 | Box |
| NON- MAG COLLAR | 1 | 11.31 | 8.110 | 3.170 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 1.63 | 8.010 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 3.72 | 8.210 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 8.52 | 8.230 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 3.56 | 8.150 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| NON- MAG COLLAR | 1 | 28.96 | 8.000 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| COLLARS | 9 | 268.76 | 8.000 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 2.18 | 7.790 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| DRILLPIPE | 27 | 821.54 | 5.000 | 3.000 | 0.000 | 0.000 | 4 1/2 IF | Box |

## Drilling Parameters

| Bit # | Run # | Depth (ft) | WOB (M Lbs) | RPM | | GPM | Torque | | String Weight | | | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Motor | Rotary | | On Bom (ft lbf) | Off Bom (ft lbf) | Pick Up (lbs) | Stack Off (lbs) | Rotate (lbs) | On Bom (psi) | Off Bom (psi) | Diff Press. (psi) |
| 05 | 1 | 11121.00 | 25.000 | 109 | 40 | 650 | 12500.00 | 8500.00 | 320 | 275 | 290 | 2450.0 | 2250.0 | 200.0 |

## Pump Data

| Bit # | Pump 1 | | | | | Pump 2 | | | | | Pump Pressure (psi) | AV DC (ft/min) | AV DP (ft/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | | | |
| 05 | BOMCO 1600 | 12.000 | 6.000 | 77 | 322.363 | BOMCO 1600 | 12.000 | 6.000 | 77 | 322.363 | 2289.00 | 471 | 218 |

## Reduced Speed Pumps

| Depth(ft) | Pump 1 | | | Pump 2 | | |
|---|---|---|---|---|---|---|
| | Model | Pressure (psi) | SPM | Model | Pressure (psi) | SPM |
| 0.00 | BOMCO 1600 | 200.0 | 30 | BOMCO 1600 | 220.0 | 30 |
| 0.00 | BOMCO 1600 | 260.0 | 40 | BOMCO 1600 | 280.0 | 40 |

# Daily Drilling Report P3

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 19 Report Date : 3/29/2018

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

**Drill Bottom Hole Targets**

| Bottom Hole Location | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Survey Data**

| Depth (ft) | Deviation | Azimuth | TVD (ft) | N/S | N/S (ft) | E/W | E/W (ft) | Vertical Section (ft) | Dog Leg |
|---|---|---|---|---|---|---|---|---|---|
| 10662.00 | 0.89 | 350.8 | 10660.12 | | -25.34 | | -26.23 | 16.98 | 1.26 |
| 10757.00 | 0.77 | 327.4 | 10755.11 | | -24.08 | | -26.69 | 15.63 | 0.37 |
| 10851.00 | 1.93 | 37.5 | 10849.09 | | -22.29 | | -26.07 | 14.09 | 1.90 |
| 10945.00 | 2.16 | 27.9 | 10943.03 | | -19.47 | | -24.27 | 11.89 | 0.43 |
| 11040.00 | 1.69 | 15.5 | 11037.98 | | -16.54 | | -23.06 | 9.41 | 0.65 |

**Hook Loads**

| | | |
|---|---|---|
| Up : | 320 | |
| Down : | 275 | |
| Rotating : | 295 | |
| Torque : | 0 | Amps |
| Torque : | 13500.00 | ft lbf |

**Comments**

UL 20 STRIPES 38-47-601H RIG MOBILIZATION BEGAN: 3/11/18 @ 13:00HRS.
RIG ON DAYRATE @ 04:30 HRS, 03/16/2018
SPUD WELL @ 1900 HRS, 03-16-18
(108 HR. RIG MOVE)
RELEASED RIG OFF OF PEGASUS 23-35-16#251H ON 03/11/18 @ 13:00 HRS .

NOTIFIED TRRC: SPUD/SURFACE: 03/15/17,10 AM, MICHELLE, JOB #123292
NOTIFIED TRRC: INTERMENT-03/22/18, 6:00AM, NAOMI, JOB # 123292
NOTIFIED TRRC: 2ND INTERMEDIATE: XXXXX
NOTIFIED TRRC: PRODUCTION: XXXX

RESUMED DRILLING OPERATIONAL HRS. = 317 ( 13.29 DAYS)

RIVERBOAT 33-71 602H 11-27-17: INSPECT 370 OF 372 JOINTS OF SCAN RIG PIPE BY RED RIVER TO DS1 CAT-4 PLUS UTEA, HAVE 368 JTS PREMIUM READY(1 JT CLASS 5 RED BAND (CRACKED) 1 JT CLASS 2 YELLOW BAND) 3 CONNECTIONS NEED SHOPPED. ALSO ALL PIPE NEEDS REHARDBANDING, WILL DO HALF OF STRING THIS WELL & THE OTHER ON NEXT WELL. (RECIEVED REPAIRED JOINTS FROM SHOP, REPLACED BAD JOINTS, TOTAL SCAN DP COUNT ON SPECTRE STATE 54-4 801H (372 PREMIUM JOINTS).

DAYS SINCE LAST LTA: (1259 DAYS ): LAST OSHA RECORDABLE INCIDENT: ( 496 )

CREW SHORTAGES ( LAST 24HRS / TOTAL HRS ): 0 / 0
CREW DOUBLES (LAST 24 HRS / TOTAL HRS): 0 / 0
NON PRODUCTIVE TIME (LAST 24HRS / TOTAL HRS): 16.5 HRS. / 18 HRS.
RIG DOWNTIME CODE 8: (LAST 24 HRS / TOTAL HRS ON WELL) – 0 HRS / 1.5 HRS
1.5 HRS CODE 8 ON 3/17/18 STRIPES 601H

20" CONDUCTER SET @ 146'
13 3/8" SURFACE: SET @ 437' W/FC @ 394' CIRC 31 BBLS CMT
10 3/4" 1 INTERMEDIATE: SET @ 4965' NO CMT TO SUF
7 5/8" 2 INTERMEDIATE SET @
5 1/2" PRODUCTION: SET @

OBM LOST TO WELL (LAST 24 HRS / TOTAL BBLS): XX BBLS / XXXX BBLS

OBM LOST BEHIND CASING: 0 BBLS
OBM LOST: 0 BBLS TO FORMATION// TOTAL=XXX BBLS
OBM LOST: 0 BBLS TO CUTTINGS // TOTAL= XXX BBLS
OBM LOST: XX BBLS// TOTAL = XXX BBLS TO CLEANING PITS,DISCHARGE OVER SHAKERS, LOST ON DISPLACEMENT, SURFACE LOSSES, CENTRIFUGE LOSSES
ADDITIONS- XXX BBL RECIEVED FROM KERMIT ON 3/XX/18// OTHER ADDITIONS XX BBL
OBM RECOVERED FROM NOV DRYER SHAKERS -0 BBL/ 0 BBLS RECOVERED TO DATE.
STARTING OBM VOLUME: XXXX BBLS TOTAL VOLUME: XXXX BBLS
TRANSFERRED OUT 0 BBLS

STARTING RIG FUEL: RIG = 1754 GALS TRANSFERED FROM PEGUSAS 23-35-16 #251 0 GALS OBM DIESEL, 0 GALS AUX. DIESEL

DIESEL USAGE:
RIG FUEL ( DAILY/TOTAL ): 874/ 12811 GALS
MUD DIESEL ( DAILY/TOTAL ): 0/000 GALS
AUXILIARY EQUIPMENT (DAILY/TOTAL): 63 / 901 GALS
CERTARUS CNG (DAILY/ TOTAL) 1741.24 MCF / 14,095.22.98 TOTAL MCF

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ORIGINAL TARGET LINE - @11,755' TVD 90° 163.73° AZM
PLAN 2 CHANGED 03-27-18 @11,810' TVD 90° 163.73° AZM

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***NO LEAKS OR SPILLS REPORTED OR OBSERVED***

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BHA #5: BIT #5-9.875" CF613 SER# 34734 W/ 5-16S 1-18'S TFA= 1.2303 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1179.01' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 10213' // DEPTH OUT 11,121' // FTG. DRILLED 908' // TOTAL DRLG HRS. 29.5 // TOTAL MTR HRS. 82.5 // AVG R.O.P. 30.7 FPH // REASON PULLED = KOP, BIT GRADE= XXXXXX

BHA #5: BIT #4-9.875" CF717 SER# 36022 W/ 7-16'S TFA= 1.3744 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1179.01' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 8563' // DEPTH OUT 10213' // FTG. DRILLED 1650' // TOTAL DRLG HRS. 45 // TOTAL MTR HRS. 50 // AVG R.O.P. 36.3 FPH // REASON PULLED = LOW ROP, BIT GRADE= 8-4-BT-A-I-CT-PR

BHA #4: BIT #3-9.875" SMITH XZ616 SER# JN7079 W/ 6-16'S TFA= 1.767 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1178.28' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 4970' // DEPTH OUT 8563' // FTG. DRILLED 3583' // TOTAL DRLG HRS. 36.5 // TOTAL MTR HRS. 39.5 // AVG R.O.P. 98.4 FPH // REASON PULLED = LOW PR// BIT GRADE= 8-2-CR-N-1-CT-PR

BHA #3: BIT #2-12.250" SMITH XS716S SER# ED1338 W/ 2-14'S & 5 X 15'S TFA= 1.163 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 11.25 OD IBS // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // = TOT. LGTH. = 370.23' // BIT TO BEND 6.43 // BIT TO SURVEY 57' // BIT TO GAMMA 52.81' // DEPTH IN 445' // DEPTH OUT 4970' // FTG. DRILLED 4525' // TOTAL DRLG HRS. 62 // TOTAL MTR HRS. 68 // AVG R.O.P. 72.2 FPH // REASON PULLED = TD CASING POINT ? // BIT GRADE= 1-5-BT-S-1-BT-TD

BHA #2: RE-RUN BIT #1-17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" BIT SUB // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 253.16' // BIT TO SURVEY 48' // BIT TO GAMMA 31' // DEPTH IN 300' // DEPTH OUT 445' // FTG. DRILLED 145' // TOTAL DRLG HRS. 3.5 // TOTAL MTR HRS. N/A // AVG R.O.P. 41.4 FPH // REASON PULLED = TD // BIT GRADE=1-2-NO-G-I-NO-TD

BHA #1: 17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 278.09' // BIT TO BEND 6.43' // BIT TO SURVEY 76' // BIT TO GAMMA 59' // DEPTH IN 146' // DEPTH OUT 300' // FTG. DRILLED 154' // TOTAL DRLG HRS. 15.5 // TOTAL MTR HRS. 18 // AVG R.O.P. 9.94 FPH // REASON PULLED = P-RATE // BIT GRADE = 1-2-NO-G-I-NO-PR

## Solids Removal

### Shakers

| Shaker # | Bottom | Middle | Top |
|---|---|---|---|

### Other Solids Removal Equipment

| Item | Hrs Run | Intake Density (lbs/gal) | Overflow Density (lbs/gal) | Underflow Density (lbs/gal) |
|---|---|---|---|---|

**Mud Log**

| | | | | | |
|---|---|---|---|---|---|
| Formation : | 3rd Bone Spring | | | | |
| Background Gas : | 300 | Connection Gas : | 680 | Flare Length : | N/A |
| Trip Calc : | | | | | |

**Well Incident**

| | | | | | |
|---|---|---|---|---|---|
| Report # : | | Incident Date : | | Report Date : | |
| Problem Name : | | | | | |

# Daily Drilling Report P1

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 21 Report Date : 3/31/2018

**Financials**

Daily Cost : $48,241 Cost to Date : $1,780,885

AFE # : PB18100002

AFE : $10,772,650 AFE Cost to Date : $1,780,885

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A Event Sub Type : Drilling Prod

A.M. Ops : RUNNING 7.625 CASING F/420' T/6,250', GOOD RETURNS, MONITORING WELL, FILLING PIPE EVERY 45 JNTS.

Ops Forecast : LAND 7.625 CASING/, CIR 1.5 TIMES CASING CAP.,CEMENT CASING

24hr. Summary : DRILL 9.875 CRUVE F/11,719' T/11,900' CASING POINT, (181' @ 36.2 FPH).CIR SWEEPS/ SPOT MUD SLUG PIPE/ LDDP/ PULL WEAR BUSHING/ DRY FIT HANGER/ RIG UP SOUTHERN CONNECTION CASING CREW

Planning Status :

**Elevations**

GL 2773.00 ft Reserve Pit Freeboard : 0.00 ft

**Progress**

Days from Spud : 15 Progress : 181.00 ft MD at Report Time : 11900.00 ft

Rig on Location (days) : 21 Est. TD : 21599.00 ft TVD At Report Time : 0.00 ft

**Event Dates**

| Spud Date | Spud Time | Suspended Drilling Date | Resume Drilling Date | Total Depth Date | Total Depth Time | Finished Drilling Date | Finished Drilling Time | Rig Released Date | Rig Released Time |
|---|---|---|---|---|---|---|---|---|---|
| 3/16/2018 | 19:00 | | | | | | | | |

**Time Breakdown**

Start Time : 00:00 Initial Depth : 0.00 ft Drilling Hours : 6.00 Total Drilling Hours : 240.50 Total Hours : 24.00 Time Code : RUN CASIN

Drilling % : 25.00 Rotating % : 41.67 Sliding % : 58.33

| Start Time | End Time | Hours | Phase | Activity | | NPT | Bit # | Run # | Depth (ft) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Time Code | Description | | | | | |
| 00:00 | 01:30 | 1.50 | DRLPRC | 02M | DRILLING - DRILLING - SLIDING | No | 06 | 1 | 11746.00 | SLIDE DRILL 9.875" INTM 2, F/ 11,719' - T/ 11,746' ( 27' @ 18 FPH ) TF HS WOB 20K, GPM 628, MRPM 158 , SPP 2250/ 2400 PSI., DIFF 150 PSI. DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9.4+ PPG 29 VIS. |
| 01:30 | 02:00 | 0.50 | DRLPRC | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 06 | 1 | 11767.00 | ROT. DRILL 9.875" INTM 2, F/ 11,746' - T/ 11,767' ( 21' @ 42 FPH ) WOB 25K, RPM 20, GPM 628, MRPM 158 , SPP 2250/ 2450 PSI., DIFF 200 PSI., TQ. 12/ 14K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9.4+ PPG 29 VIS. |
| 02:00 | 03:00 | 1.00 | DRLPRC | 02M | DRILLING - DRILLING - SLIDING | No | 06 | 1 | 11802.00 | SLIDE DRILL 9.875" INTM 2, F/ 11,767' - T/ 11,802' ( 35' @ 18 FPH ) TF HS WOB 20K, GPM 628, MRPM 158 , SPP 2250/ 2400 PSI., DIFF 150 PSI. DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9.4+ PPG 29 VIS. |
| 03:00 | 03:30 | 0.50 | DRLPRC | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 06 | 1 | 11814.00 | ROT. DRILL 9.875" INTM 2, F/ 11,802' - T/ 11,814' ( 12' @ 24 FPH ) WOB 25K, RPM 20, GPM 628, MRPM 158 , SPP 2250/ 2450 PSI., DIFF 200 PSI., TQ. 12/ 14K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9.4+ PPG 29 VIS. |
| 03:30 | 04:00 | 0.50 | DRLPRC | 02M | DRILLING - DRILLING - SLIDING | No | 06 | 1 | 11836.00 | SLIDE DRILL 9.875" INTM 2, F/ 11,814' - T/ 11,836' ( 12' @ 24 FPH ) TF HS WOB 20K, GPM 628, MRPM 158 , SPP 2250/ 2400 PSI., DIFF 150 PSI. DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9.4+ PPG 29 VIS. |
| 04:00 | 04:30 | 0.50 | DRLPRC | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 06 | 1 | 11861.00 | ROT. DRILL 9.875" INTM 2, F/ 11,836' - T/ 11,861' ( 25' @ 50 FPH ) WOB 25K, RPM 20, GPM 628, MRPM 158 , SPP 2250/ 2450 PSI., DIFF 200 PSI., TQ. 12/ 14K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9.4+ PPG 29 VIS. |
| 04:30 | 05:00 | 0.50 | DRLPRC | 02M | DRILLING - DRILLING - SLIDING | No | 06 | 1 | 11886.00 | SLIDE DRILL 9.875" INTM 2, F/ 11,861' - T/ 11,886' ( 25' @ 50 FPH ) TF HS WOB 20K, GPM 628, MRPM 158 , SPP 2250/ 2400 PSI., DIFF 150 PSI. DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9.4+ PPG 29 VIS. |
| 05:00 | 06:00 | 1.00 | DRLPRC | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 06 | 1 | 11900.00 | ROT. DRILL 9.875" INTM 2, F/ 11,886' - T/ 11,900' ( 14' @ 14 FPH ) WOB 25K, RPM 20, GPM 628, MRPM 158 , SPP 2250/ 2450 PSI., DIFF 200 PSI., TQ. 12/ 14K, DRILLING DOWN FLOW LINE WITH FULL RETURNS, NO GAINS OR LOSSES, MW 9.4+ PPG 29 VIS. |
| 06:00 | 08:00 | 2.00 | DRLPRC | 07C | C & C MUD - PRIOR TO TRIP | No | 06 | 1 | 11900.00 | CIRCULATE 2 HIGH VIS SWEEPS TO CLEAN HOLE. CALIBUR WASHOUT 6% |
| 08:00 | 09:00 | 1.00 | DRLPRC | 07C | C & C MUD - PRIOR TO TRIP | No | 06 | 1 | 11900.00 | FLOW CHECK/ SPOT 60BBLS OF 11. 8 KILL MUD SLUG PIPE W/ 60BBLS 11. 8 SLUG |
| 09:00 | 18:00 | 9.00 | DRLPRC | 08D | TRIPPING - CASING / LINER | No | 06 | 1 | 11900.00 | LDDP MONTERING WELL ON TRIP TANK F/ 11, 900 T/ 1950 WELL TAKING PROPER FILL |
| 18:00 | 18:30 | 0.50 | DRLPRC | 10A | LUB RIG - DAILY SERVICE | No | 06 | 1 | 11900.00 | RIG SERVICE |
| 18:30 | 20:30 | 2.00 | DRLPRC | 08A | TRIPPING - BIT/ BHA | No | 06 | 1 | 11900.00 | CONTINUE LDDP F/ 1' 950 T/ BHA MONTERING WELL ON TRIP TANK WELL TAKING PROPER FILL |
| 20:30 | 21:30 | 1.00 | DRLPRC | 08A | TRIPPING - BIT/ BHA | No | 06 | 1 | 11900.00 | LAY DOWN DIRECTIONAL TOOL BIT GRADE -2 -4 - CT -S -I - BT - TD |
| 21:30 | 22:30 | 1.00 | DRLPRC | 08A | TRIPPING - BIT/ BHA | No | 06 | 1 | 11900.00 | PULL WEAR BUSHING/ DRY FIT LANDING JOINT/ CLEAR RIG FLOOR |
| 22:30 | 23:30 | 1.00 | DRLPRC | 15A | RUN CASING - RU/RD EQUIPMENT | No | 06 | | 11900.00 | SAFETY MEETING WITH SOUTHERN CONNECTIONS CASING CREW/ RIG UP CASING CREW |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 23:30 | 00:00 | 0.50 | DRLPRC | 15B | RUN CASING - CSG/ LNR/ TIEBACK | No | 06 | 1 | 11900.00 | MAKE UP SHOE/ 1 JOINT 7. 625 CASING/ FLOAT COLLAR/ PICK UP CRT TOOL AND PUMP THROUGH SHOE TRACK. ( GOOD) RUN 7. 625 CASING T/ 420' |

**Personnel Hours**

| Vendor | Vendor Type | Number Of People | Hours On Site | Total Hours |
|---|---|---|---|---|
| NEWLAND CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| AES DRILLING FLUIDS LLC | MUD ENGINEER | 1 | 24.00 | 24.00 |
| SCANDRILL INC | RIG CREWS | 12 | 24.00 | 288.00 |
| SCANDRILL INC | TOOLPUSHER | 1 | 24.00 | 24.00 |
| CRESCENT CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| PHOENIX DIRECTIONAL DRILLERS | | 4 | 24.00 | 96.00 |
| INDUSTRIAL & OILFIELD SERVICES INC | CONSULTANT | 2 | 24.00 | 48.00 |

**Rig Information**

| | | | | | |
|---|---|---|---|---|---|
| KB Elevation: | 2798.00 ft | KB To GL : | 25.00 ft | | |
| Rig(s) for today : | Scan Texas | Rig Manager : | TRENT VAUGHN | Rig Phone : | 432-400-2272 |
| Date and Time of Rig Release : | | Days From Rig Release : | 0.00 | Rig Fax : | |

**Safety**

| | | | | | |
|---|---|---|---|---|---|
| Last BOP Test(F) Date : | 3/18/2018 | Last BOP Pressure : | 5000.000 psi | Last Lot Fit : | 0.00 |
| Last Csg Date : | 3/22/2018 | Last Csg Pressure : | 1500.000 psi | Last Spills Reported : | |
| Last BOP Drill Date : | | Last Test MW : | 0.00 | Last Accidents : | |
| Last Fire Drill : | | Last Test TVD : | 0.00 ft | Last Safety Meeting : | 3/31/2018 18:00 |
| Last Evac Drill : | | Last Test Pressure : | 0.000 psi | Last Safety Meeting Topic : | RUNNING CASING |

**Contacts**

| | | | | | |
|---|---|---|---|---|---|
| Day Sup. : | RAUL BAEZA | Phone : | 432-853-7484 | Superintendent : | SANTOS MOROLES | Phone : | 432-559-4901 |
| Night Sup. : | JEREMY GRAY | Phone : | | Geologist : | ALBERT BONDURANT | Phone : | 205.568.5467 |
| Alt. Phone : | | | | Drill. Eng. : | BRANNON SMITH | Phone : | 432-818-1777 |

**Attachments**

| Daily Attachment Folder(s) |
|---|
| |

# Daily Drilling Report P2

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 21 Report Date : 3/31/2018

## Operations

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

## Mud Data

Mud Engineer : KEVIN CARTWRIGHT Mud Type : Brine Polymer Type :

| Chk | Time | Depth (ft) | Density (lbs/gal) | FV (s/qt) | YP (lbs/100 ft²) | PV (cP) | WL (cc/30 min) | Cl (ppm) | Electro Static Stability | Oil Ratio | H2O Ratio | HTHP Water Loss(cc/30 min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:53 | 11900. | 9.50000 | 28.00 | 1 | 1.00 | 100.0 | 11500 | 0.0 | 0 | 0 | 0.0 |

## Bit Data

| Bit # | Run # | Size (in) | Mfg. | Model | IADC Code | Daily Drilled (ft) | Daily Hours | Daily ROP (ft/hr) | Cum Drilled (ft) | Cum Hrs. | Avg. ROP (ft/hr) | Depth In (ft) | Depth Out (ft) | Max WOB (M Lbs) | PSI Drop (psi) | Nozzle Velocity (ft/s) | HHP (HP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06 | 1 | 9.875 | ULTERRA | CF613 | | 181.00 | 6.00 | 30.17 | 779.00 | 23.50 | 33.15 | 11719.00 | 11900.00 | 20.000 | 313.700 | 192.15 | 134.9 |

## BHA Data

For Bit # : 06 Mud Motor : Total Made : 181 ft

Total BHA Hours : 252.5 Total Hours : 6.00

BHA # : 06 DC OD : 8.000 in DP OD : 5.000 in BHA Length : 1854.87 ft BHA Weight 0.00 M Lbs

| Item | Jts | Length (ft) | OD (in) | ID (in) | Coupling OD (in) | Weight (lbs/ft) | Thread Type | Pin/Box |
|---|---|---|---|---|---|---|---|---|
| BITS | 1 | 1.00 | 9.875 | 0.000 | 0.000 | 0.000 | 6 5/8 REG | Pin |
| MUD MOTOR | 1 | 27.83 | 8.010 | 0.000 | 0.000 | 0.000 | 6 5/8 | Box |
| NON- MAG COLLAR | 1 | 11.31 | 8.110 | 3.170 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 1.63 | 8.010 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 3.72 | 8.210 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 8.52 | 8.230 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 3.56 | 8.150 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| NON- MAG COLLAR | 1 | 28.96 | 8.000 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| SUBS | 1 | 2.18 | 7.790 | 3.250 | 0.000 | 0.000 | 6 5/8 REG | Box |
| DRILLPIPE | 30 | 944.62 | 5.000 | 3.000 | 0.000 | 0.000 | 4 1/2 IF | Box |
| HWDP | 27 | 821.54 | 5.000 | 3.000 | 0.000 | 0.000 | 4 1/2 IF | Box |

## Drilling Parameters

| Bit # | Run # | Depth (ft) | WOB (M Lbs) | RPM | | GPM | Torque | | String Weight | | | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Motor | Rotary | | On Bom (ft lbf) | Off Bom (ft lbf) | Pick Up (lbs) | Stack Off (lbs) | Rotate (lbs) | On Bom (psi) | Off Bom (psi) | Diff Press. (psi) |
| 06 | 1 | 11900.00 | 20.000 | 170 | 25 | 675 | 16000.00 | 145000.0 | 310 | 240 | 260 | 2450.0 | 2103.0 | 347.0 |

## Pump Data

| Bit # | Pump 1 | | | | | Pump 2 | | | | | Pump Pressure (psi) | AV DC (ft/min) | AV DP (ft/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | | | |
| 06 | BOMCO 1600 | 12.000 | 6.000 | 88 | 368.415 | BOMCO 1600 | 12.000 | 6.000 | 88 | 368.415 | 2150.00 | 539 | 249 |

## Reduced Speed Pumps

| Depth(ft) | Pump 1 | | | Pump 2 | | |
|---|---|---|---|---|---|---|
| | Model | Pressure (psi) | SPM | Model | Pressure (psi) | SPM |
| 0.00 | BOMCO 1600 | 200.0 | 30 | BOMCO 1600 | 220.0 | 30 |
| 0.00 | BOMCO 1600 | 260.0 | 40 | BOMCO 1600 | 280.0 | 40 |

# Daily Drilling Report P3

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 21 Report Date : 3/31/2018

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

**Drill Bottom Hole Targets**

| Bottom Hole Location | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Survey Data**

| Depth (ft) | Deviation | Azimuth | TVD (ft) | N/S | N/S (ft) | E/W | E/W (ft) | Vertical Section (ft) | Dog Leg |
|---|---|---|---|---|---|---|---|---|---|
| 11762.00 | 51.14 | 162.2 | 11668.21 | | -284.92 | | 91.17 | 299.06 | 6.89 |
| 11809.00 | 55.53 | 161.9 | 11696.27 | | -320.78 | | 102.79 | 336.73 | 9.20 |
| 11848.00 | 57.89 | 163.1 | 11717.67 | | -351.87 | | 112.58 | 369.32 | 6.44 |

**Hook Loads**

| | | |
|---|---|---|
| Up : | 0 | |
| Down : | 0 | |
| Rotating : | 0 | |
| Torque : | 0 | Amps |
| Torque : | 0.00 | ft lbf |

**Comments**

UL 20 STRIPES 38-47-601H RIG MOBILIZATION BEGAN: 3/11/18 @ 13:00HRS.
RIG ON DAYRATE @ 04:30 HRS, 03/16/2018
SPUD WELL @ 1900 HRS, 03-16-18
(108 HR. RIG MOVE)
RELEASED RIG OFF OF PEGASUS 23-35-16#251H ON 03/11/18 @ 13:00 HRS .

NOTIFIED TRRC: SPUD/SURFACE: 03/15/17,10 AM, MICHELLE, JOB #123292
NOTIFIED TRRC: INTERMENT-03/22/18, 6:00AM, NAOMI, JOB # 123292
NOTIFIED TRRC: 2ND INTERMEDIATE: 03-31-18, 8:00AM, AUDREY OP 2, JOB#123292
NOTIFIED TRRC: PRODUCTION: XXXX

RESUMED DRILLING OPERATIONAL HRS. = 341 ( 14.29 DAYS)

RIVERBOAT 33-71 602H 11-27-17: INSPECT 370 OF 372 JOINTS OF SCAN RIG PIPE BY RED RIVER TO DS1 CAT-4 PLUS UTEA, HAVE 368 JTS PREMIUM READY(1 JT CLASS 5 RED BAND (CRACKED) 1 JT CLASS 2 YELLOW BAND) 3 CONNECTIONS NEED SHOPPED. ALSO ALL PIPE NEEDS REHARDBANDING, WILL DO HALF OF STRING THIS WELL & THE OTHER ON NEXT WELL. (RECIEVED REPAIRED JOINTS FROM SHOP, REPLACED BAD JOINTS, TOTAL SCAN DP COUNT ON SPECTRE STATE 54-4 801H (372 PREMIUM JOINTS).

DAYS SINCE LAST LTA: (1261 DAYS ): LAST OSHA RECORDABLE INCIDENT: ( 498 )

CREW SHORTAGES ( LAST 24HRS / TOTAL HRS ): 0 / 0
CREW DOUBLES (LAST 24 HRS / TOTAL HRS): 0 / 0
NON PRODUCTIVE TIME (LAST 24HRS / TOTAL HRS): 16.5 HRS. / 18 HRS.
RIG DOWNTIME CODE 8: (LAST 24 HRS / TOTAL HRS ON WELL) – 0 HRS / 1.5 HRS
1.5 HRS CODE 8 ON 3/17/18 STRIPES 601H

20" CONDUCTER SET @ 146'
13 3/8" SURFACE: SET @ 437' W/FC @ 394' CIRC 31 BBLS CMT
10 3/4" 1 INTERMEDIATE: SET @ 4965' NO CMT TO SUF
7 5/8" 2 INTERMEDIATE SET @
5 1/2" PRODUCTION: SET @

OBM LOST TO WELL (LAST 24 HRS / TOTAL BBLS): XX BBLS / XXXX BBLS

OBM LOST BEHIND CASING: 0 BBLS
OBM LOST: 0 BBLS TO FORMATION// TOTAL=XXX BBLS
OBM LOST: 0 BBLS TO CUTTINGS // TOTAL= XXX BBLS
OBM LOST: XX BBLS// TOTAL = XXX BBLS TO CLEANING PITS,DISCHARGE OVER SHAKERS, LOST ON DISPLACEMENT, SURFACE LOSSES, CENTRIFUGE LOSSES
ADDITIONS- XXX BBL RECIEVED FROM KERMIT ON 3/XX/18// OTHER ADDITIONS XX BBL
OBM RECOVERED FROM NOV DRYER SHAKERS -0 BBL/ 0 BBLS RECOVERED TO DATE.
STARTING OBM VOLUME: XXXX BBLS TOTAL VOLUME: XXXX BBLS
TRANSFERRED OUT 0 BBLS

STARTING RIG FUEL: RIG = 1754 GALS TRANSFERED FROM PEGUSAS 23-35-16 #251 0 GALS OBM DIESEL, 0 GALS AUX. DIESEL

DIESEL USAGE:
RIG FUEL ( DAILY/TOTAL ): 1289/ 15037GALS
MUD DIESEL ( DAILY/TOTAL ): 0/000 GALS
AUXILIARY EQUIPMENT (DAILY/TOTAL): 23 / 924 GALS
CERTARUS CNG (DAILY/ TOTAL) 333.45 MCF / 15,3659.73 TOTAL MCF

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ORIGINAL TARGET LINE - @11,755' TVD 90° 163.73° AZM
PLAN 2 CHANGED 03-27-18 @11,810' TVD 90° 163.73° AZM

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***NO LEAKS OR SPILLS REPORTED OR OBSERVED***

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BHA #6: BIT #6 -9.875" CF613 SER# 35567 W/ 5-16S 1-18'S TFA= 1.2303 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 2.12° ( 4/5 LOBE, 5.3 STG., .253 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY// XO /30 JOINTS OF DP / 27 JNTS HWDP = TOT. LGTH. = 1856.24' // BIT TO BEND 6.41 // BIT TO SURVEY 52' // BIT TO GAMMA 48.96' // DEPTH IN 11,121' // DEPTH OUT 11,900' // FTG. DRILLED 779' // TOTAL DRLG HRS. 23.5 // TOTAL MTR HRS. 28 // AVG R.O.P. 33.1 FPH // REASON PULLED = CASING POINT, BIT GRADE= 2-4-CT-S-I-BT-TD

BHA #5: BIT #4-9.875" CF717 SER# 36022 W/ 7-16'S TFA= 1.3744 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1179.01' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 8563' // DEPTH OUT 10213' // FTG. DRILLED 1650' // TOTAL DRLG HRS. 45 // TOTAL MTR HRS. 50 // AVG R.O.P. 36.3 FPH // REASON PULLED = LOW ROP, BIT GRADE= 8-4-BT-A-I-CT-PR

BHA #4: BIT #3-9.875" SMITH XZ616 SER# JN7079 W/ 6-16'S TFA= 1.767 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1178.28' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 4970' // DEPTH OUT 8563' // FTG. DRILLED 3583' // TOTAL DRLG HRS. 36.5 // TOTAL MTR HRS. 39.5 // AVG R.O.P. 98.4 FPH // REASON PULLED = LOW PR// BIT GRADE= 8-2-CR-N-1-CT-PR

BHA #3: BIT #2-12.250" SMITH XS716S SER# ED1338 W/ 2-14'S & 5 X 15'S TFA= 1.163 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 11.25 OD IBS // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // = TOT. LGTH. = 370.23' // BIT TO BEND 6.43 // BIT TO SURVEY 57' // BIT TO GAMMA 52.81' // DEPTH IN 445' // DEPTH OUT 4970' // FTG. DRILLED 4525' // TOTAL DRLG HRS. 62 // TOTAL MTR HRS. 68 // AVG R.O.P. 72.2 FPH // REASON PULLED = TD CASING POINT ? // BIT GRADE= 1-5-BT-S-1-BT-TD

BHA #2: RE-RUN BIT #1-17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" BIT SUB // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 253.16' // BIT TO SURVEY 48' // BIT TO GAMMA 31' // DEPTH IN 300' // DEPTH OUT 445' // FTG. DRILLED 145' // TOTAL DRLG HRS. 3.5 // TOTAL MTR HRS. N/A // AVG R.O.P. 41.4 FPH // REASON PULLED = TD // BIT GRADE=1-2-NO-G-I-NO-TD

BHA #1: 17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 278.09' // BIT TO BEND 6.43' // BIT TO SURVEY 76' // BIT TO GAMMA 59' // DEPTH IN 146' // DEPTH OUT 300' // FTG. DRILLED 154' // TOTAL DRLG HRS. 15.5 // TOTAL MTR HRS. 18 // AVG R.O.P. 9.94 FPH // REASON PULLED = P-RATE // BIT GRADE = 1-2-NO-G-I-NO-PR

## Solids Removal

### Shakers

| Shaker # | Bottom | Middle | Top |
|---|---|---|---|

### Other Solids Removal Equipment

| Item | Hrs Run | Intake Density (lbs/gal) | Overflow Density (lbs/gal) | Underflow Density (lbs/gal) |
|---|---|---|---|---|

**Mud Log**

| | | | | | |
|---|---|---|---|---|---|
| Formation : | 3rd Bone Spring | | | | |
| Background Gas : | 500 | Connection Gas : | 1660 | Flare Length : | N/A |
| Trip Calc : | | | | | |

**Well Incident**

| | | | | | |
|---|---|---|---|---|---|
| Report # : | | Incident Date : | | Report Date : | |
| Problem Name : | | | | | |

# Daily Drilling Report P1

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 22 Report Date : 4/1/2018

## Financials

Daily Cost : $380,068 Cost to Date : $2,160,953

AFE # : PB18100002

AFE : $10,772,650 AFE Cost to Date : $2,160,953

## Operations

Event Objective : Scan Texas D&C DB DEV WC A Event Sub Type : Drilling Prod

A.M. Ops : FINISH CLEANING PIT/ TOOK (2) ATTEMPTS TO FINALLY GET THE TEST PLUG TO SEAT) BEGIN TESTING BOPS

Ops Forecast : TEST BOPS/CHANGE OUT BURN SUB/ FINISH CLEANING PITS/RIG UP BACK YARD AND SOLIDS CONTROL EQUIPMENT/TRANSFER OBM, INSTALL WEAR BUSHING, MAKE UP BHA

24hr. Summary : RUN 7.625 CASING F/ 420' T/11,895/ INSTALL CEMEENT HEAD/ CIRCULATE 1.5 TIMES CASING CAP W/ RIG PUMP/ R/U CEMENTER AND CEMENT 1ST STAGE

Planning Status :

## Elevations

GL 2773.00 ft Reserve Pit Freeboard : 0.00 ft

## Progress

Days from Spud : 16 Progress : 0.00 ft MD at Report Time : 11900.00 ft

Rig on Location (days) : 22 Est. TD : 21599.00 ft TVD At Report Time : 0.00 ft

## Event Dates

| Spud Date | Spud Time | Suspended Drilling Date | Resume Drilling Date | Total Depth Date | Total Depth Time | Finished Drilling Date | Finished Drilling Time | Rig Released Date | Rig Released Time |
|---|---|---|---|---|---|---|---|---|---|
| 3/16/2018 | 19:00 | | | | | | | | |

## Time Breakdown

Start Time : 00:00 Initial Depth : 0.00 ft Drilling Hours : 0.00 Total Drilling Hours : 240.50 Total Hours : 24.00 Time Code : CEMENTIN

Drilling % : 0.00 Rotating % : 0.00 Sliding % : 0.00

| Start Time | End Time | Hours | Phase | Activity | | NPT | Bit # | Run # | Depth (ft) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Time Code | Description | | | | | |
| 00:00 | 06:00 | 6.00 | CSGIN2 | 15B | RUN CASING - CSG/ LNR/ TIEBACK | No | | | 11900.00 | RUN 7. 625 CASING F/ 420' T/ 6, 500' WELL GIVING PROPER DISPLACEMENT |
| 06:00 | 12:30 | 6.50 | CSGIN2 | 15B | RUN CASING - CSG/ LNR/ TIEBACK | No | | | 11900.00 | CONT. RUNNING 7. 625 CASING F/ 6, 500 T/ 11, 895 ' WELL GIVING PROPER DISPLACEMENT ( CASING SET @ 11, 895, SHOE@ 11, 895, FLOAT COLLAR ( W/ BAFFLE PLATE)@ 11, 851, CONTINGENCY BAFFLE @ 4, 937, DV TOOL @ 4, 826, STRING WEIGHT 225K. HANG OFF CASING) TOTAL OF 284 JOINTS OF 7. 625 CASING |
| 12:30 | 14:30 | 2.00 | CSGIN2 | 15B | RUN CASING - CSG/ LNR/ TIEBACK | No | | | 11900.00 | CIRCULATE 1. 5 TIMES CASING CAP./ |
| 14:30 | 15:00 | 0.50 | CSGIN2 | 16A | CEMENTING - RU/RD EQUIPMENT | No | | | 11900.00 | S/ M RIG UP C& J CEMENTERS |
| 15:00 | 20:00 | 5.00 | CSGIN2 | 16B | CEMENTING - PRIMARY | No | | | 11900.00 | TEST LINES TO 6000PSI.<br>M/ P CEMENT JOB AS FOLLOWS:<br>1ST STAGE:<br>20 BBLS FW<br>339 BBLS( 640 SXS) LEAD, 50/ 50 POZ, YIELD: 2. 98, 11. 3PPG<br>70 BBLS( 330SXS) TAIL, CLASS H, 15. 6 PPG, YIELD: 1. 19<br>DROP PLUG<br>DISPLACE W/ 539BBLS<br>310 9. 5 BRINE<br>20 BBLS F/ W<br>213. 9 BBLS 9. 5 BRINE<br>BUMP PLUG @ 7: 15 FINAL LIFT PSI - 1, 200PSI BUMP @ 1, 810PSI. INFLATE PACKER T/ 2350 PRESSURE UP TO 2, 800PSI BLEED BACK 3 BBLS. FLOATS HELD. DROP BOMB. POSITIVE TEST ON PACKER TO 500PSI ( TEST GOOD). OPEN DV TOOL, TOOL OPENED @ 790 PSI |
| 20:00 | 21:00 | 1.00 | CSGIN2 | 16B | CEMENTING - PRIMARY | No | | | 11900.00 | CIR BTMS UP WITH RIG PUMP. NO CEMENT BACK |
| 21:00 | 22:30 | 1.50 | CSGIN2 | 16B | CEMENTING - PRIMARY | No | | | 11900.00 | CEMENT 2ND STAGE CEMENT JOB AS FOLLOWS: 20 BBLS F/ W, 192. 4 BBLS LEAD CEMENT ( 370 SX, 11. 3PPG, 2. 92 YEILD), 22. 5 BBLS TAIL CEMENT ( 95 SXS , 14. 8PPG, 1. 33 YEILD), DISPLACE W/ 221 BBLS FRESH WATER. BUMP PLUG @ 10: 15, FINAL LIFT PSI 1, 000PSI @ 4BPM. BUMP @ 2, 500PSI. FLOATS HELD, BLEED BACK 2. 5BBLS ( 5BBL CEMENT BACK TO SURFACE) |
| 22:30 | 23:30 | 1.00 | CSGIN2 | 16A | CEMENTING - RU/RD EQUIPMENT | No | | | 11900.00 | RIG DOWN C& J CEMENTERS |
| 23:30 | 00:00 | 0.50 | CSGIN2 | 16B | CEMENTING - PRIMARY | No | | | 11900.00 | BREAK AND LAY DOWN LANDING JNT., INSTALL PACK OFF |

## Personnel Hours

| Vendor | Vendor Type | Number Of People | Hours On Site | Total Hours |
|---|---|---|---|---|
| NEWLAND CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| AES DRILLING FLUIDS LLC | MUD ENGINEER | 1 | 24.00 | 24.00 |
| SCANDRILL INC | RIG CREWS | 12 | 24.00 | 288.00 |
| SCANDRILL INC | TOOLPUSHER | 1 | 24.00 | 24.00 |
| CRESCENT CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |

| | | | | |
|---|---|---|---|---|
| PHOENIX DIRECTIONAL DRILLERS | | 4 | 24.00 | 96.00 |
| INDUSTRIAL & OILFIELD SERVICES INC | CONSULTANT | 2 | 24.00 | 48.00 |

**Rig Information**

| | | | | | |
|---|---|---|---|---|---|
| KB Elevation: | 2798.00 ft | KB To GL : | 25.00 ft | | |
| Rig(s) for today : | Scan Texas | Rig Manager : | TRENT VAUGHN | Rig Phone : | 432-400-2272 |
| Date and Time of Rig Release : | | Days From Rig Release : | 0.00 | Rig Fax : | |

**Safety**

| | | | | | |
|---|---|---|---|---|---|
| Last BOP Test(F) Date : | 3/18/2018 | Last BOP Pressure : | 5000.000 psi | Last Lot Fit : | 0.00 |
| Last Csg Date : | 3/22/2018 | Last Csg Pressure : | 1500.000 psi | Last Spills Reported : | |
| Last BOP Drill Date : | | Last Test MW : | 0.00 | Last Accidents : | |
| Last Fire Drill : | | Last Test TVD : | 0.00 ft | Last Safety Meeting : | 4/1/2018 18:00 |
| Last Evac Drill : | | Last Test Pressure : | 0.000 psi | Last Safety Meeting Topic : | RUNNING CASING |

**Contacts**

| | | | | | |
|---|---|---|---|---|---|
| Day Sup. : | RAUL BAEZA | Phone : | 432-853-7484 | Superintendent : | SANTOS MOROLES | Phone : | 432-559-4901 |
| Night Sup. : | JEREMY GRAY | Phone : | | Geologist : | ALBERT BONDURANT | Phone : | 205.568.5467 |
| Alt. Phone : | | | | Drill. Eng. : | BRANNON SMITH | Phone : | 432-818-1777 |

**Attachments**

Daily Attachment Folder(s)

# Daily Drilling Report P2

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 22 Report Date : 4/1/2018

## Operations

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

## Mud Data

Mud Engineer : KEVIN CARTWRIGHT Mud Type : Water Base Mud Polymer Type :

| Chk | Time | Depth (ft) | Density (lbs/gal) | FV (s/qt) | YP (lbs/100 ft²) | PV (cP) | WL (cc/30 min) | Cl (ppm) | Electro Static Stability | Oil Ratio | H2O Ratio | HTHP Water Loss(cc/30 min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23:51 | 11900. | 9.50000 | 28.00 | 1 | 1.00 | 100.0 | 10800 | 0.0 | 0 | 0 | 0.0 |

## Bit Data

| Bit # | Run # | Size (in) | Mfg. | Model | IADC Code | Daily Drilled (ft) | Daily Hours | Daily ROP (ft/hr) | Cum Drilled (ft) | Cum Hrs. | Avg. ROP (ft/hr) | Depth In (ft) | Depth Out (ft) | Max WOB (M Lbs) | PSI Drop (psi) | Nozzle Velocity (ft/s) | HHP (HP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06 | 1 | 9.875 | ULTERRA | CF613 | | 0.00 | 0.00 | 0.00 | 779.00 | 23.50 | 33.15 | 11900.00 | 11900.00 | 0.000 | 313.700 | 192.15 | 134.9 |

## BHA Data

For Bit # : 06 Mud Motor : Total Made : 0 ft

Total BHA Hours : 252.5 Total Hours : 0.00

BHA # : DC OD : 0.000 in DP OD : 0.000 in BHA Length : 0.00 ft BHA Weight 0.00 M Lbs

| Item | Jts | Length (ft) | OD (in) | ID (in) | Coupling OD (in) | Weight (lbs/ft) | Thread Type | Pin/Box |
|---|---|---|---|---|---|---|---|---|

## Drilling Parameters

| Bit # | Run # | Depth (ft) | WOB (M Lbs) | RPM | | GPM | Torque | | String Weight | | | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Motor | Rotary | | On Bom (ft lbf) | Off Bom (ft lbf) | Pick Up (lbs) | Stack Off (lbs) | Rotate (lbs) | On Bom (psi) | Off Bom (psi) | Diff Press. (psi) |

## Pump Data

| Bit # | Pump 1 | | | | | Pump 2 | | | | | Pump Pressure (psi) | AV DC (ft/min) | AV DP (ft/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | | | |
| 06 | BOMCO 1600 | 12.000 | 6.000 | 88 | 368.415 | BOMCO 1600 | 12.000 | 6.000 | 88 | 368.415 | 2150.00 | 0 | 0 |

## Reduced Speed Pumps

| Depth(ft) | Pump 1 | | | Pump 2 | | |
|---|---|---|---|---|---|---|
| | Model | Pressure (psi) | SPM | Model | Pressure (psi) | SPM |
| 0.00 | BOMCO 1600 | 200.0 | 30 | BOMCO 1600 | 220.0 | 30 |
| 0.00 | BOMCO 1600 | 260.0 | 40 | BOMCO 1600 | 280.0 | 40 |

# Daily Drilling Report P3

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 22 Report Date : 4/1/2018

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

**Drill Bottom Hole Targets**

| Bottom Hole Location | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Survey Data**

| Depth (ft) | Deviation | Azimuth | TVD (ft) | N/S | N/S (ft) | E/W | E/W (ft) | Vertical Section (ft) | Dog Leg |
|---|---|---|---|---|---|---|---|---|---|

**Hook Loads**

| | | |
|---|---|---|
| Up : | 0 | |
| Down : | 0 | |
| Rotating : | 0 | |
| Torque : | 0 | Amps |
| Torque : | 0.00 | ft lbf |

**Comments**

UL 20 STRIPES 38-47-601H RIG MOBILIZATION BEGAN: 3/11/18 @ 13:00HRS.
RIG ON DAYRATE @ 04:30 HRS, 03/16/2018
SPUD WELL @ 1900 HRS, 03-16-18
(108 HR. RIG MOVE)
RELEASED RIG OFF OF PEGASUS 23-35-16#251H ON 03/11/18 @ 13:00 HRS .

NOTIFIED TRRC: SPUD/SURFACE: 03/15/17,10 AM, MICHELLE, JOB #123292
NOTIFIED TRRC: INTERMENT-03/22/18, 6:00AM, NAOMI, JOB # 123292
NOTIFIED TRRC: 2ND INTERMEDIATE: 03-31-18, 8:00AM, AUDREY OP 2, JOB#123292
NOTIFIED TRRC: PRODUCTION: XXXX

RESUMED DRILLING OPERATIONAL HRS. = 365 ( 15.29 DAYS)

RIVERBOAT 33-71 602H 11-27-17: INSPECT 370 OF 372 JOINTS OF SCAN RIG PIPE BY RED RIVER TO DS1 CAT-4 PLUS UTEA, HAVE 368 JTS PREMIUM READY(1 JT CLASS 5 RED BAND (CRACKED) 1 JT CLASS 2 YELLOW BAND) 3 CONNECTIONS NEED SHOPPED. ALSO ALL PIPE NEEDS REHARDBANDING, WILL DO HALF OF STRING THIS WELL & THE OTHER ON NEXT WELL. (RECIEVED REPAIRED JOINTS FROM SHOP, REPLACED BAD JOINTS, TOTAL SCAN DP COUNT ON SPECTRE STATE 54-4 801H (372 PREMIUM JOINTS).

DAYS SINCE LAST LTA: (1262 DAYS ): LAST OSHA RECORDABLE INCIDENT: ( 499 )

CREW SHORTAGES ( LAST 24HRS / TOTAL HRS ): 0 / 0
CREW DOUBLES (LAST 24 HRS / TOTAL HRS): 0 / 0
NON PRODUCTIVE TIME (LAST 24HRS / TOTAL HRS): 16.5 HRS. / 18 HRS.
RIG DOWNTIME CODE 8: (LAST 24 HRS / TOTAL HRS ON WELL) – 0 HRS / 1.5 HRS
1.5 HRS CODE 8 ON 3/17/18 STRIPES 601H

20" CONDUCTER SET @ 146'
13 3/8" SURFACE: SET @ 437' W/FC @ 394' CIRC 31 BBLS CMT
10 3/4" 1 INTERMEDIATE: SET @ 4965' NO CMT TO SUF
7 5/8" 2 INTERMEDIATE SET @11,895 (5BBLS CEMEMENT TO SURFACE) F/C @11849 W/ BAFFLE. CONTINGENCY BAFFLE @4937. DV/ECP @4789
5 1/2" PRODUCTION: SET @

OBM LOST TO WELL (LAST 24 HRS / TOTAL BBLS): XX BBLS / XXXX BBLS
OBM LOST BEHIND CASING: 0 BBLS
OBM LOST: 0 BBLS TO FORMATION// TOTAL=XXX BBLS
OBM LOST: 0 BBLS TO CUTTINGS // TOTAL= XXX BBLS
OBM LOST: XX BBLS// TOTAL = XXX BBLS TO CLEANING PITS,DISCHARGE OVER SHAKERS, LOST ON DISPLACEMENT, SURFACE LOSSES, CENTRIFUGE LOSSES
ADDITIONS- XXX BBL RECIEVED FROM KERMIT ON 3/XX/18// OTHER ADDITIONS XX BBL
OBM RECOVERED FROM NOV DRYER SHAKERS -0 BBL/ 0 BBLS RECOVERED TO DATE.
STARTING OBM VOLUME: XXXX BBLS TOTAL VOLUME: XXXX BBLS
TRANSFERRED OUT 0 BBLS

STARTING RIG FUEL: RIG = 1754 GALS TRANSFERED FROM PEGUSAS 23-35-16 #251 0 GALS OBM DIESEL, 0 GALS AUX. DIESEL

DIESEL USAGE:
RIG FUEL ( DAILY/TOTAL ): 865/ 15902GALS
MUD DIESEL ( DAILY/TOTAL ): 0/000 GALS
AUXILIARY EQUIPMENT (DAILY/TOTAL): 100 / 1024 GALS
CERTARUS CNG (DAILY/ TOTAL) 736.45 MCF / 16,396.18 TOTAL MCF

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ORIGINAL TARGET LINE - @11,755' TVD 90° 163.73° AZM
PLAN 2 CHANGED 03-27-18 @11,810' TVD 90° 163.73° AZM

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***NO LEAKS OR SPILLS REPORTED OR OBSERVED***

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BHA #6: BIT #6 -9.875" CF613 SER# 35567 W/ 5-16S 1-18'S TFA= 1.2303 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 2.12° ( 4/5 LOBE, 5.3 STG., .253 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY// XO /30 JOINTS OF DP / 27 JNTS HWDP = TOT. LGTH. = 1856.24' // BIT TO BEND 6.41 // BIT TO SURVEY 52' // BIT TO GAMMA 48.96' // DEPTH IN 11,121' // DEPTH OUT 11,900' // FTG. DRILLED 779' // TOTAL DRLG HRS. 23.5 // TOTAL MTR HRS. 28 // AVG R.O.P. 33.1 FPH // REASON PULLED = CASING POINT, BIT GRADE= 2-4-CT-S-I-BT-TD

BHA #5: BIT #4-9.875" CF717 SER# 36022 W/ 7-16'S TFA= 1.3744 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1179.01' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 8563' // DEPTH OUT 10213' // FTG. DRILLED 1650' // TOTAL DRLG HRS. 45 // TOTAL MTR HRS. 50 // AVG R.O.P. 36.3 FPH // REASON PULLED = LOW ROP, BIT GRADE= 8-4-BT-A-I-CT-PR

BHA #4: BIT #3-9.875" SMITH XZ616 SER# JN7079 W/ 6-16'S TFA= 1.767 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1178.28' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 4970' // DEPTH OUT 8563' // FTG. DRILLED 3583' // TOTAL DRLG HRS. 36.5 // TOTAL MTR HRS. 39.5 // AVG R.O.P. 98.4 FPH // REASON PULLED = LOW PR// BIT GRADE= 8-2-CR-N-1-CT-PR

BHA #3: BIT #2-12.250" SMITH XS716S SER# ED1338 W/ 2-14'S & 5 X 15'S TFA= 1.163 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 11.25 OD IBS // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // = TOT. LGTH. = 370.23' // BIT TO BEND 6.43 // BIT TO SURVEY 57' // BIT TO GAMMA 52.81' // DEPTH IN 445' // DEPTH OUT 4970' // FTG. DRILLED 4525' // TOTAL DRLG HRS. 62 // TOTAL MTR HRS. 68 // AVG R.O.P. 72.2 FPH // REASON PULLED = TD CASING POINT ? // BIT GRADE= 1-5-BT-S-1-BT-TD

BHA #2: RE-RUN BIT #1-17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" BIT SUB // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 253.16' // BIT TO SURVEY 48' // BIT TO GAMMA 31' // DEPTH IN 300' // DEPTH OUT 445' // FTG. DRILLED 145' // TOTAL DRLG HRS. 3.5 // TOTAL MTR HRS. N/A // AVG R.O.P. 41.4 FPH // REASON PULLED = TD // BIT GRADE=1-2-NO-G-I-NO-TD

BHA #1: 17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 278.09' // BIT TO BEND 6.43' // BIT TO SURVEY 76' // BIT TO GAMMA 59' // DEPTH IN 146' // DEPTH OUT 300' // FTG. DRILLED 154' // TOTAL DRLG HRS. 15.5 // TOTAL MTR HRS. 18 // AVG R.O.P. 9.94 FPH // REASON PULLED = P-RATE // BIT GRADE = 1-2-NO-G-I-NO-PR

## Solids Removal

### Shakers

| Shaker # | Bottom | Middle | Top |
|---|---|---|---|

### Other Solids Removal Equipment

| Item | Hrs Run | Intake Density (lbs/gal) | Overflow Density (lbs/gal) | Underflow Density (lbs/gal) |
|---|---|---|---|---|

**Mud Log**

Formation : 3rd Bone Spring

Background Gas : | Connection Gas : | Flare Length :

Trip Calc :

**Well Incident**

Report # : | Incident Date : | Report Date :

Problem Name :

# Daily Drilling Report P1

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 604H |
| Property Number | 43STRIPES604 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 2178' FNEL | 4249533808 |

## Report Information

Report # : 2 Report Date : 4/7/2018

## Financials

Daily Cost : $328,887 Cost to Date : $873,477

AFE # : PB18100005

AFE : $10,772,650 AFE Cost to Date : $873,477

## Operations

Event Objective : Spudder Rig Event Sub Type : Drilling Surf

A.M. Ops : 00:00-06:00 RDRT

Ops Forecast : RD & move to the UL 20 Stripes 38-47 #605H

24hr. Summary : NU the BOP. PU bit #2 on BHA #2 & TIH. Reached the TD of 4,996' in the 12 1/4" hole @ 6:00 a.m. 4/5/2018. C&C the hole for 2 hours then TOOH w/ no problems. RU & ran 111 joints of 10 3/4" HC L-80 BTC 45.50# casing and a total of 30 centralizers. C&C the hole for 1 hour while rigging up O-Tex Pumping, LLC then cemented the casing. Landed the plug @ 6:00 a.m. 4/6/2018. (TOC calculated @ 150' off of the final lift pressure) ND, set slips, cut-off the casing then Installed the "B" & "C" section spools under Sweco's supervision. (Tested good to 1,500 psi) RD & move to the UL 20 Stripes 38-47 #605H.

Planning Status :

## Elevations

GL 2772.00 ft Reserve Pit Freeboard : 0.00 ft

## Progress

Days from Spud : 16 Progress : 4580.00 ft MD at Report Time : 4996.00 ft

Rig on Location (days) : 2 Est. TD : 0.00 ft TVD At Report Time : 0.00 ft

## Event Dates

| Spud Date | Spud Time | Suspended Drilling Date | Resume Drilling Date | Total Depth Date | Total Depth Time | Finished Drilling Date | Finished Drilling Time | Rig Released Date | Rig Released Time |
|---|---|---|---|---|---|---|---|---|---|
| 3/22/2018 | 17:30 | | | 4/5/2018 | 06:00 | 4/5/2018 | 06:00 | 4/6/2018 | 18:00 |

## Time Breakdown

Start Time : 00:00 Initial Depth : 0.00 ft Drilling Hours : 24.00 Total Drilling Hours : 48.00 Total Hours : 24.00 Time Code :

Drilling % : 100.00 Rotating % : 100.00 Sliding % : 0.00

| Start Time | End Time | Hours | Phase | Activity Time Code | Activity Description | NPT | Bit # | Run # | Depth (ft) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| 00:00 | 00:00 | 24.00 | DRLSUR | 02A | DRILLING - ROTARY - VERTICAL | No | 2 | 1 | 4996.00 | NU the BOP. PU bit # 2 on BHA # 2 & TIH. Reached the TD of 4, 996' in the 12 1/ 4" hole @ 6: 00 a. m. 4/ 5/ 2018. C& C the hole for 2 hours then TOOH w/ no problems. RU & ran 111 joints of 10 3/ 4" HC L- 80 BTC 45. 50# casing and a total of 30 centralizers. C& C the hole for 1 hour while rigging up O- Tex Pumping, LLC then cemented the casing. Landed the plug @ 6: 00 a. m. 4/ 6/ 2018. ( TOC calculated @ 150' off of the final lift pressure) ND, set slips, cut- off the casing then Installed the " B" & " C" section spools under Sweco' s supervision. ( Tested good to 1, 500 psi) RD & move to the UL 20 Stripes 38- 47 # 605H. |

### Personnel Hours

| Vendor | Vendor Type | Number Of People | Hours On Site | Total Hours |
|---|---|---|---|---|
| GENESIS WELL SITE CONSULTING LP | MICHAEL COX | 1 | 24.00 | 24.00 |

## Rig Information

KB Elevation: 2784.00 ft KB To GL : 12.00 ft

Rig(s) for today : Integrity Rig 5 S Rig Manager : Rig Phone :

Date and Time of Release : Days From Rig Release : 0.00 Rig Fax :

## Safety

| | | | | | |
|---|---|---|---|---|---|
| Last BOP Test(F) Date : | | Last BOP Pressure : | 0.000 psi | Last Lot Fit : | 0.00 |
| Last Csg Date : | | Last Csg Pressure : | 0.000 psi | Last Spills Reported : | |
| Last BOP Drill Date : | | Last Test MW : | 0.00 | Last Accidents : | |
| Last Fire Drill : | | Last Test TVD : | 0.00 ft | Last Safety Meeting : | |
| Last Evac Drill : | | Last Test Pressure : | 0.000 psi | Last Safety Meeting Topic : | |

## Contacts

| | | | | | |
|---|---|---|---|---|---|
| Day Sup. : | MICHAEL COX | Phone : | | Superintendent : | SANTOS MOROLES | Phone : | 432-559-4901 |
| Night Sup. : | | Phone : | | Geologist : | | Phone : | |
| Alt. Phone : | 432-661-8729 | | | Drill. Eng. : | RICHARD HILL | Phone : | 432-818-1726 |

## Attachments

Daily Attachment Folder(s)

# Daily Drilling Report P2

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 604H |
| Property Number | 43STRIPES604 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 2178' FNEL | 4249533808 |

## Report Information

Report # : 2 Report Date : 4/7/2018

## Operations

Event Objective : Spudder Rig

Event Sub Type : Drilling Surf

## Mud Data

Mud Engineer : Mud Type : Brine Polymer Type :

| Chk | Time | Depth (ft) | Density (lbs/gal) | FV (s/qt) | YP (lbs/100 ft²) | PV (cP) | WL (cc/30 min) | Cl (ppm) | Electro Static Stability | Oil Ratio | H2O Ratio | HTHP Water Loss(cc/30 min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:17 | 4996.0 | 10.10000 | 36.00 | 0 | 0.00 | 0.0 | 0 | 0.0 | 0 | 0 | 0.0 |

## Bit Data

| Bit # | Run # | Size (in) | Mfg. | Model | IADC Code | Daily Drilled (ft) | Daily Hours | Daily ROP (ft/hr) | Cum Drilled (ft) | Cum Hrs. | Avg. ROP (ft/hr) | Depth In (ft) | Depth Out (ft) | Max WOB (M Lbs) | PSI Drop (psi) | Nozzle Velocity (ft/s) | HHP (HP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 1 | 12.250 | Ulterra | CF716 | | 4580.0 | 24.00 | 190.83 | 4580.00 | 24.00 | 190.83 | 416.00 | 4996.00 | 20.000 | 273.43 | 173.99 | 104.5 |

## BHA Data

For Bit # : 2 Mud Motor : Total Made : 0 ft

Total BHA Hours : 48.0 Total Hours : 0.00

BHA # : 02 DC OD : 0.000 in DP OD : 0.000 in BHA Length : 0.00 ft BHA Weight 0.00 M Lbs

| Item | Jts | Length (ft) | OD (in) | ID (in) | Coupling OD (in) | Weight (lbs/ft) | Thread Type | Pin/Box |
|---|---|---|---|---|---|---|---|---|

## Drilling Parameters

| Bit # | Run # | Depth (ft) | WOB (M Lbs) | RPM | | GPM | Torque | | String Weight | | | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Motor | Rotary | | On Bom (ft lbf) | Off Bom (ft lbf) | Pick Up (lbs) | Stack Off (lbs) | Rotate (lbs) | On Bom (psi) | Off Bom (psi) | Diff Press. (psi) |
| 2 | 1 | 4996.00 | 20.000 | 105 | 70 | 656 | 9000.00 | 1000.00 | 145 | 135 | 140 | 1200.0 | 1100.0 | 100.0 |

## Pump Data

| Bit # | Pump 1 | | | | | Pump 2 | | | | | Pump Pressure (psi) | AV DC (ft/min) | AV DP (ft/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | | | |
| 2 | F- 1000 | 10.000 | 6.500 | 80 | 327.558 | F- 1000 | 10.000 | 6.500 | 80 | 327.558 | 1200.00 | 0 | 0 |

## Reduced Speed Pumps

| Depth(ft) | Pump 1 | | | Pump 2 | | |
|---|---|---|---|---|---|---|
| | Model | Pressure (psi) | SPM | Model | Pressure (psi) | SPM |

# Daily Drilling Report P3

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 604H |
| Property Number | 43STRIPES604 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 2178' FNEL | 4249533808 |

**Report Information**

Report # : 2 Report Date : 4/7/2018

**Operations**

Event Objective : Spudder Rig

Event Sub Type : Drilling Surf

**Drill Bottom Hole Targets**

| Bottom Hole Location | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 2178' FNEL | 4249533808 |

**Survey Data**

| Depth (ft) | Deviation | Azimuth | TVD (ft) | N/S | N/S (ft) | E/W | E/W (ft) | Vertical Section (ft) | Dog Leg |
|---|---|---|---|---|---|---|---|---|---|
| 451.00 | 0.57 | 63.9 | 450.98 | N | 3.28 | E | 2.50 | 3.28 | 0.33 |
| 541.00 | 1.32 | 42.0 | 540.97 | N | 4.24 | E | 3.60 | 4.24 | 0.90 |
| 631.00 | 1.27 | 40.2 | 630.94 | N | 5.78 | E | 4.94 | 5.78 | 0.07 |
| 721.00 | 0.88 | 69.7 | 720.93 | N | 6.78 | E | 6.23 | 6.78 | 0.73 |
| 810.00 | 1.01 | 58.8 | 809.91 | N | 7.42 | E | 7.54 | 7.42 | 0.24 |
| 900.00 | 1.63 | 74.6 | 899.89 | N | 8.17 | E | 9.45 | 8.17 | 0.78 |
| 945.00 | 1.10 | 63.0 | 944.88 | N | 8.54 | E | 10.46 | 8.54 | 1.30 |
| 989.00 | 0.40 | 146.8 | 988.87 | N | 8.60 | E | 10.92 | 8.60 | 2.53 |
| 1078.00 | 0.79 | 259.2 | 1077.87 | N | 8.22 | E | 10.48 | 8.22 | 1.12 |
| 1169.00 | 0.53 | 205.2 | 1168.87 | N | 7.73 | E | 9.69 | 7.73 | 0.70 |
| 1258.00 | 0.75 | 260.0 | 1257.86 | N | 7.25 | E | 8.94 | 7.25 | 0.69 |
| 1348.00 | 0.18 | 30.6 | 1347.86 | N | 7.27 | E | 8.43 | 7.27 | 0.96 |
| 1437.00 | 0.48 | 164.6 | 1436.86 | N | 7.03 | E | 8.60 | 7.03 | 0.68 |
| 1527.00 | 0.44 | 159.8 | 1526.86 | N | 6.35 | E | 8.82 | 6.35 | 0.06 |
| 1617.00 | 0.62 | 29.6 | 1616.85 | N | 6.44 | E | 9.18 | 6.44 | 1.05 |
| 1706.00 | 1.05 | 84.6 | 1705.85 | N | 6.94 | E | 10.23 | 6.94 | 0.95 |
| 2065.00 | 0.62 | 70.9 | 2064.81 | N | 7.89 | E | 15.34 | 7.89 | 0.13 |
| 2155.00 | 1.36 | 70.9 | 2154.79 | N | 8.40 | E | 16.81 | 8.40 | 0.81 |
| 2244.00 | 1.85 | 88.7 | 2243.76 | N | 8.78 | E | 19.24 | 8.78 | 0.77 |
| 2334.00 | 1.14 | 50.7 | 2333.73 | N | 9.38 | E | 21.39 | 9.38 | 1.29 |
| 2423.00 | 1.98 | 55.1 | 2422.70 | N | 10.82 | E | 23.33 | 10.82 | 0.94 |
| 2468.00 | 1.80 | 61.9 | 2467.67 | N | 11.59 | E | 24.60 | 11.59 | 0.63 |
| 2513.00 | 1.05 | 92.4 | 2512.66 | N | 11.91 | E | 25.63 | 11.91 | 2.28 |
| 2604.00 | 0.97 | 87.3 | 2603.64 | N | 11.91 | E | 27.23 | 11.91 | 0.13 |
| 2694.00 | 0.66 | 68.4 | 2693.63 | N | 12.14 | E | 28.48 | 12.14 | 0.44 |
| 2784.00 | 1.27 | 85.8 | 2783.62 | N | 12.40 | E | 29.95 | 12.40 | 0.73 |
| 2873.00 | 2.24 | 54.9 | 2872.58 | N | 13.47 | E | 32.36 | 13.47 | 1.46 |
| 3052.00 | 1.71 | 72.2 | 3051.47 | N | 16.30 | E | 37.76 | 16.30 | 0.44 |
| 3142.00 | 1.54 | 26.3 | 3141.44 | N | 17.80 | E | 39.58 | 17.80 | 1.40 |
| 3232.00 | 1.30 | 15.1 | 3231.41 | N | 19.87 | E | 40.38 | 19.87 | 0.40 |
| 3276.00 | 0.90 | 22.3 | 3275.41 | N | 20.67 | E | 40.64 | 20.67 | 0.95 |
| 3321.00 | 0.62 | 60.6 | 3320.40 | N | 21.12 | E | 40.98 | 21.12 | 1.23 |
| 3411.00 | 1.71 | 62.5 | 3410.38 | N | 21.98 | E | 42.60 | 21.98 | 1.19 |
| 3545.00 | 2.73 | 65.8 | 3544.28 | N | 24.21 | E | 47.28 | 24.21 | 0.75 |
| 3590.00 | 2.86 | 60.6 | 3589.23 | N | 25.20 | E | 49.24 | 25.20 | 0.62 |
| 3635.00 | 2.73 | 58.0 | 3634.17 | N | 26.32 | E | 51.13 | 26.32 | 0.39 |
| 3682.00 | 4.09 | 52.7 | 3681.09 | N | 27.93 | E | 53.41 | 27.93 | 2.92 |
| 3768.00 | 3.20 | 59.8 | 3766.91 | N | 31.00 | E | 57.92 | 31.00 | 1.14 |
| 3858.00 | 3.50 | 61.2 | 3856.76 | N | 33.59 | E | 62.50 | 33.59 | 0.34 |
| 3947.00 | 3.80 | 49.2 | 3945.58 | N | 36.82 | E | 67.11 | 36.82 | 0.90 |
| 4037.00 | 3.30 | 42.7 | 4035.41 | N | 40.68 | E | 71.13 | 40.68 | 0.70 |
| 4125.00 | 2.77 | 33.3 | 4123.29 | N | 44.31 | E | 74.01 | 44.31 | 0.81 |
| 4168.00 | 2.77 | 14.1 | 4166.24 | N | 46.19 | E | 74.83 | 46.19 | 2.12 |
| 4258.00 | 1.58 | 320.2 | 4256.18 | N | 49.25 | E | 74.57 | 49.25 | 2.45 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 4347.00 | 1.41 | 305.4 | 4345.15 | N | 50.83 | E | 72.89 | 50.83 | 0.46 |
| 4392.00 | 1.10 | 304.6 | 4390.14 | N | 51.40 | E | 72.08 | 51.40 | 0.68 |
| 4482.00 | 0.80 | 349.9 | 4480.13 | N | 52.51 | E | 71.26 | 52.51 | 0.85 |
| 4661.00 | 1.40 | 35.7 | 4659.10 | N | 55.51 | E | 72.32 | 55.51 | 0.56 |
| 4750.00 | 1.71 | 44.2 | 4748.06 | N | 57.35 | E | 73.88 | 57.35 | 0.43 |
| 4840.00 | 1.23 | 35.9 | 4838.03 | N | 59.09 | E | 75.38 | 59.09 | 0.57 |
| 4930.00 | 1.00 | 36.1 | 4928.02 | N | 60.51 | E | 76.41 | 60.51 | 0.25 |
| 4946.00 | 1.10 | 36.7 | 4944.01 | N | 60.75 | E | 76.58 | 60.75 | 0.62 |

**Hook Loads**

Up : 0
Down : 0
Rotating : 0
Torque : 0 Amps
Torque : 0.00 ft lbf

**Comments**

**Solids Removal**

**Shakers**

| Shaker # | Bottom | Middle | Top |
|---|---|---|---|

**Other Solids Removal Equipment**

| Item | Hrs Run | Intake Density (lbs/gal) | Overflow Density (lbs/gal) | Underflow Density (lbs/gal) |
|---|---|---|---|---|

**Mud Log**

Formation :
Background Gas :
Connection Gas :
Flare Length :
Trip Calc :

**Well Incident**

Report # :
Incident Date :
Report Date :
Problem Name :

# Daily Drilling Report P1

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 29 Report Date : 4/8/2018

**Financials**

Daily Cost : $62,232 Cost to Date : $2,774,232

AFE # : PB18100002

AFE : $10,772,650 AFE Cost to Date : $2,774,232

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A Event Sub Type : Drilling Prod

A.M. Ops : DRILD 6 3/4" PRODUCTION LATERAL F/16,906' - T/17,085 ' (179 ' @ 32.5 FPH) MW 12.8 PPG

Ops Forecast : DRILL 6 3/4" PROD LATERAL TOWARD TD @ 21,630' +/-

24hr. Summary : DRILD 6 3/4" PRODUCTION LATERAL F/16,141' - T/16,906 ' (765 ' @ 33.2 FPH) MW 12.8 PPG

Planning Status :

**Elevations**

GL 2773.00 ft Reserve Pit Freeboard : 0.00 ft

**Progress**

Days from Spud : 23 Progress : 785.00 ft MD at Report Time : 16906.00 ft

Rig on Location (days) : 29 Est. TD : 21599.00 ft TVD At Report Time : 0.00 ft

**Event Dates**

| Spud Date | Spud Time | Suspended Drilling Date | Resume Drilling Date | Total Depth Date | Total Depth Time | Finished Drilling Date | Finished Drilling Time | Rig Released Date | Rig Released Time |
|---|---|---|---|---|---|---|---|---|---|
| 3/16/2018 | 19:00 | | | | | | | | |

**Time Breakdown**

Start Time : 00:00 Initial Depth : 0.00 ft Drilling Hours : 24.00 Total Drilling Hours : 377.50 Total Hours : 24.00 Time Code : DRILLING -

Drilling % : 100.00 Rotating % : 81.25 Sliding % : 18.75

| Start Time | End Time | Hours | Phase | Activity | | NPT | Bit # | Run # | Depth (ft) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Time Code | Description | | | | | |
| 00:00 | 03:00 | 3.00 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 07 | 1 | 16229.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 16, 121' - T/ 16, 229' ( 108' @ 36 FPH ) WOB 24K // RPM 40 // GPM 247 // MRPM 197 // SPP 3450 PSI. // DIFF 750 PSI. // TQ. 12K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 03:00 | 06:00 | 3.00 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 07 | 1 | 16375.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 16, 229' - T/ 16, 375' ( 146' @ 48. 6 FPH ) WOB 24K // RPM 40 // GPM 247 // MRPM 197 // SPP 3450 PSI. // DIFF 750 PSI. // TQ. 12K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 06:00 | 09:00 | 3.00 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 07 | 1 | 16473.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 16, 375' - T/ 16, 473' ( 98' @ 32. 6 FPH ) WOB 24K // RPM 40 // GPM 247 // MRPM 197 // SPP 3450 PSI. // DIFF 750 PSI. // TQ. 13K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 09:00 | 13:00 | 4.00 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 07 | 1 | 16593.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 16, 473' - T/ 16, 593' ( 120' @ 30 FPH ) WOB 24K // RPM 40 // GPM 247 // MRPM 197 // SPP 3450 PSI. // DIFF 850 PSI. // TQ. 13K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 13:00 | 15:00 | 2.00 | DRLPRL | 02M | DRILLING - DRILLING - SLIDING | No | 07 | 1 | 16613.00 | SLIDE DRILL 6. 750" PROD LATERAL// F/ 16, 593' - T/ 16, 613' ( 20' @ 10 FPH ) TF: 120R // WOB 20K // GPM 247 // MRPM 197 // SPP 3050 PSI., DIFF 500 PSI. DRILLING DOWN FLOW LINE// NO GAINS/ NO LOSSES |
| 15:00 | 16:30 | 1.50 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 07 | 1 | 16688.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 16, 613' - T/ 16, 688' ( 75' @ 50 FPH ) WOB 24K // RPM 40 // GPM 247 // MRPM 197 // SPP 3450 PSI. // DIFF 850 PSI. // TQ. 13K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 16:30 | 19:00 | 2.50 | DRLPRL | 02M | DRILLING - DRILLING - SLIDING | No | 07 | 1 | 16713.00 | SLIDE DRILL 6. 750" PROD LATERAL// F/ 16, 688' - T/ 16, 713' ( 25' @ 10 FPH ) TF: 180 // WOB 20K // GPM 247 // MRPM 197 // SPP 3050 PSI., DIFF 500 PSI. DRILLING DOWN FLOW LINE// NO GAINS/ NO LOSSES |
| 19:00 | 22:00 | 3.00 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 07 | 1 | 16827.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 16, 713' - T/ 16, 827' ( 114' @ 38 FPH ) WOB 24K // RPM 40 // GPM 247 // MRPM 197 // SPP 3450 PSI. // DIFF 850 PSI. // TQ. 13K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 22:00 | 00:00 | 2.00 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 07 | 1 | 16906.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 16, 827' - T/ 16, 906' ( 79' @ 39. 5 FPH ) WOB 24K // RPM 40 // GPM 247 // MRPM 197 // SPP 3450 PSI. // DIFF 850 PSI. // TQ. 13K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |

**Personnel Hours**

| Vendor | Vendor Type | Number Of People | Hours On Site | Total Hours |
|---|---|---|---|---|
| NEWLAND CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| AES DRILLING FLUIDS LLC | MUD ENGINEER | 1 | 24.00 | 24.00 |
| SCANDRILL INC | RIG CREWS | 12 | 24.00 | 288.00 |
| SCANDRILL INC | TOOLPUSHER | 1 | 24.00 | 24.00 |
| PHOENIX DIRECTIONAL DRILLERS | 4- MAN CREW | 4 | 24.00 | 96.00 |
| INDUSTRIAL & OILFIELD SERVICES INC | CONSULTANT | 1 | 24.00 | 24.00 |
| NOV PROCESS & FLOW TECHNOLOGIES US, INC. | 2- MAN CREW | 2 | 24.00 | 48.00 |

## Rig Information

| | | | | | |
|---|---|---|---|---|---|
| KB Elevation: | 2798.00 ft | KB To GL : | 25.00 ft | | |
| Rig(s) for today : | Scan Texas | Rig Manager : | TRENT VAUGHT | Rig Phone : | 432-400-2272 |
| Date and Time of Rig Release : | | Days From Rig Release : | 0.00 | Rig Fax : | |

## Safety

| | | | | | |
|---|---|---|---|---|---|
| Last BOP Test(F) Date : | 4/2/2018 | Last BOP Pressure : | 8500.000 psi | Last Lot Fit : | 14.50 |
| Last Csg Date : | 4/1/2018 | Last Csg Pressure : | 1500.000 psi | Last Spills Reported : | |
| Last BOP Drill Date : | 4/5/2018 | Last Test MW : | 12.90 | Last Accidents : | |
| Last Fire Drill : | | Last Test TVD : | 11717.00 ft | Last Safety Meeting : | 4/8/2018 18:00 |
| Last Evac Drill : | | Last Test Pressure : | 977.000 psi | Last Safety Meeting Topic : | HAND TOOL INSPECTION |

## Contacts

| | | | | | |
|---|---|---|---|---|---|
| Day Sup. : | NICK NEWLAND | Phone : | 405-761-3414 | Superintendent : | SANTOS MOROLES | Phone : | 432-559-4901 |
| Night Sup. : | JEREMY GRAY | Phone : | | Geologist : | ALBERT BONDURANT | Phone : | 205.568.5467 |
| Alt. Phone : | | | | Drill. Eng. : | BRANNON SMITH | Phone : | 432-818-1777 |

## Attachments

Daily Attachment Folder(s)

# Daily Drilling Report P2

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 29 Report Date : 4/8/2018

## Operations

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

## Mud Data

Mud Engineer : CLAY RICH Mud Type : Oil Base Mud Polymer Type :

| Chk | Time | Depth (ft) | Density (lbs/gal) | FV (s/qt) | YP (lbs/100 ft²) | PV (cP) | WL (cc/30 min) | Cl (ppm) | Electro Static Stability | Oil Ratio | H2O Ratio | HTHP Water Loss(cc/30 min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:30 | 16730. | 12.80000 | 58.00 | 14 | 23.00 | 6.8 | 42000 | 419.0 | 76 | 24 | 2.0 |

## Bit Data

| Bit # | Run # | Size (in) | Mfg. | Model | IADC Code | Daily Drilled (ft) | Daily Hours | Daily ROP (ft/hr) | Cum Drilled (ft) | Cum Hrs. | Avg. ROP (ft/hr) | Depth In (ft) | Depth Out (ft) | Max WOB (M Lbs) | PSI Drop (psi) | Nozzle Velocity (ft/s) | HHP (HP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07 | 1 | 6.750 | HALIBURTON | GTD63 | | 785.00 | 24.00 | 32.71 | 5006.00 | 137.00 | 36.54 | 16141.00 | 16906.00 | 24.000 | 163.855 | 119.64 | 23.63 |

## BHA Data

For Bit # : 07 Mud Motor : Total Made : 765 ft

Total BHA Hours : 390.5 Total Hours : 24.00

BHA # : 07 DC OD : 4.750 in DP OD : 4.500 in BHA Length : 2936.18 ft BHA Weight 0.00 M Lbs

| Item | Jts | Length (ft) | OD (in) | ID (in) | Coupling OD (in) | Weight (lbs/ft) | Thread Type | Pin/Box |
|---|---|---|---|---|---|---|---|---|
| BITS | 1 | 1.00 | 6.750 | 0.000 | 0.000 | 0.000 | 3 1/2 REG | Pin |
| MUD MOTOR | 1 | 25.80 | 4.750 | 0.000 | 0.000 | 0.000 | 3 1/2 IF | Box |
| FLOAT SUB | 1 | 2.46 | 4.870 | 2.460 | 0.000 | 0.000 | 3 1/2 IF | Box |
| NON- MAG COLLAR | 1 | 14.20 | 4.740 | 2.740 | 0.000 | 0.000 | 3 1/2 IF | Box |
| SUBS | 1 | 1.61 | 4.800 | 2.670 | 0.000 | 0.000 | 3 1/2 IF | Box |
| SUBS | 1 | 3.42 | 5.200 | 0.000 | 0.000 | 0.000 | 3 1/2 | Box |
| SUBS | 1 | 8.34 | 5.240 | 0.000 | 0.000 | 0.000 | 3 1/2 | Box |
| SUBS | 1 | 3.78 | 5.150 | 0.000 | 0.000 | 0.000 | 3 1/2 | Box |
| NON- MAG COLLAR | 1 | 29.20 | 4.630 | 2.710 | 0.000 | 0.000 | 3 1/2 | Box |
| CROSSOVER SUB | 1 | 4.03 | 5.450 | 2.670 | 0.000 | 0.000 | 3 1/2 IF | Box |
| DRILLPIPE | 90 | 2824.96 | 4.750 | 0.000 | 0.000 | 0.000 | CET 43 | Box |
| CROSSOVER SUB | 1 | 2.95 | 5.390 | 0.000 | 0.000 | 0.000 | CET 43 X XT39 | Box |
| AGITATOR | 1 | 12.43 | 5.000 | 0.000 | 0.000 | 0.000 | XT-39 | Box |
| CROSSOVER SUB | 1 | 2.00 | 5.400 | 0.000 | 0.000 | 0.000 | XT39 X CET 43 | Box |

## Drilling Parameters

| Bit # | Run # | Depth (ft) | WOB (M Lbs) | RPM | | GPM | Torque | | String Weight | | | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Motor | Rotary | | On Bom (ft lbf) | Off Bom (ft lbf) | Pick Up (lbs) | Stack Off (lbs) | Rotate (lbs) | On Bom (psi) | Off Bom (psi) | Diff Press. (psi) |
| 07 | 1 | 16906.00 | 24.000 | 240 | 40 | 247 | 13000.00 | 5000.00 | 220 | 130 | 145 | 3450.0 | 2750.0 | 700.0 |

## Pump Data

| Bit # | Pump 1 | | | | | Pump 2 | | | | | Pump Pressure (psi) | AV DC (ft/min) | AV DP (ft/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | | | |
| 07 | BOMCO 1600 | 12.000 | 5.000 | 85 | 247.122 | BOMCO 1600 | 12.000 | 5.000 | 0 | 0.000 | 3450.00 | 263 | 239 |

## Reduced Speed Pumps

| Depth(ft) | Pump 1 | | | Pump 2 | | |
|---|---|---|---|---|---|---|
| | Model | Pressure (psi) | SPM | Model | Pressure (psi) | SPM |
| 0.00 | BOMCO 1600 | 820.0 | 30 | BOMCO 1600 | 840.0 | 30 |
| 0.00 | BOMCO 1600 | 1000.0 | 40 | BOMCO 1600 | 1040.0 | 40 |

# Daily Drilling Report P3

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 29 Report Date : 4/8/2018

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

**Drill Bottom Hole Targets**

| Bottom Hole Location | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Survey Data**

| Depth (ft) | Deviation | Azimuth | TVD (ft) | N/S | N/S (ft) | E/W | E/W (ft) | Vertical Section (ft) | Dog Leg |
|---|---|---|---|---|---|---|---|---|---|
| 16154.00 | 90.76 | 163.1 | 11782.11 | | -4453.21 | | 1325.83 | 4646.32 | 2.26 |
| 16249.00 | 90.15 | 161.9 | 11781.35 | | -4543.82 | | 1354.36 | 4741.30 | 1.39 |
| 16343.00 | 90.45 | 161.2 | 11780.86 | | -4633.00 | | 1384.07 | 4835.23 | 0.81 |
| 16438.00 | 91.67 | 160.3 | 11779.10 | | -4722.68 | | 1415.36 | 4930.08 | 1.58 |
| 16532.00 | 92.62 | 160.0 | 11775.59 | | -4811.03 | | 1447.25 | 5023.83 | 1.05 |
| 16627.00 | 95.60 | 164.0 | 11768.78 | | -4901.12 | | 1476.55 | 5118.51 | 5.16 |
| 16720.00 | 93.21 | 163.6 | 11761.63 | | -4990.15 | | 1502.44 | 5211.23 | 2.57 |
| 16815.00 | 93.96 | 164.1 | 11755.69 | | -5081.21 | | 1528.84 | 5306.04 | 0.93 |

**Hook Loads**

Up : 220

Down : 130

Rotating : 180

Torque : 0 Amps

Torque : 12000.00 ft lbf

**Comments**

UL 20 STRIPES 38-47-601H RIG MOBILIZATION BEGAN: 3/11/18 @ 13:00HRS.
RIG ON DAYRATE @ 04:30 HRS, 03/16/2018
SPUD WELL @ 1900 HRS, 03-16-18
(108 HR. RIG MOVE)
RELEASED RIG OFF OF PEGASUS 23-35-16#251H ON 03/11/18 @ 13:00 HRS .

NOTIFIED TRRC: SPUD/SURFACE: 03/15/17,10 AM, MICHELLE, JOB #123292
NOTIFIED TRRC: INTERMENT-03/22/18, 6:00AM, NAOMI, JOB # 123292
NOTIFIED TRRC: 2ND INTERMEDIATE: 03-31-18, 8:00AM, AUDREY OP 2, JOB#123292
NOTIFIED TRRC: PRODUCTION: XXXX

RESUMED DRILLING OPERATIONAL HRS. = 533 ( 22.29 DAYS)

UL 20 STRIPES 38-47 601H: INSPECT 372 OF 372 JOINTS OF SCAN RIG PIPE BY RED RIVER TO DS1 CAT-4 PLUS UTEA, HAVE 293 JTS PREMIUM READY (7 JTS NEED HARDBANDING) 71 JTS ACCEPTED PREMIUM READY NEEDING SHOP REPAIR 18 BOXES & 52 PINS FOR PITTING & 1 PIN FOR HANDLING DAMAGE// (3 JT CLASS II RED BAND (INTERNAL PITTING), 3 JT CLASS III RED BAND (INTERNAL EMI/UTI), 2 JTS CLASS V SURFACE CRACKS ON PIN. (71 JOINTS SENT IN FOR REPAIRS AND 8 JOINTS REPLACED BY SCAN). ALSO INSPECTED 115 JTS SCAN 5" RENTAL DP ,114 JTS PREMIUM READY, 1 JOINT BEND PREMIUM READY.

DAYS SINCE LAST LTA: (1269 DAYS ): LAST OSHA RECORDABLE INCIDENT: ( 506 )

CREW SHORTAGES ( LAST 24HRS / TOTAL HRS ): 0 / 0
CREW DOUBLES (LAST 24 HRS / TOTAL HRS): 0 / 0
NON PRODUCTIVE TIME (LAST 24HRS / TOTAL HRS): 0 HRS. / 11.5 HRS.
RIG DOWNTIME CODE 8: (LAST 24 HRS / TOTAL HRS ON WELL) – 0 HRS / 1.5 HRS
1.5 HRS CODE 8 ON 3/17/18 STRIPES 601H

20" CONDUCTER SET @ 146'
13 3/8" SURFACE: SET @ 437' W/FC @ 394' CIRC 31 BBLS CMT
10 3/4" 1 INTERMEDIATE: SET @ 4965' NO CMT TO SUF
7 5/8" 2 INTERMEDIATE SET @11,895' (5BBLS CEMEMENT TO SURFACE) F/C @11849' W/ BAFFLE,. CONTINGENCY BAFFLE @ 4937', DV/ECP @ 4825'
5 1/2" PRODUCTION: SET @

OBM LOST TO WELL (LAST 24 HRS / TOTAL BBLS): 80 BBLS / 428 BBLS
OBM LOST BEHIND CASING: 0 BBLS
OBM LOST: 0 BBLS TO FORMATION
OBM LOST: 37 BBLS TO CUTTINGS
OBM LOST: 45 BBLS TO CLEANING PITS,DISCHARGE OVER SHAKERS, LOST ON DISPLACEMENT, SURFACE LOSSES, CENTRIFUGE LOSSES
ADDITIONS- 111 BBL
OBM RECOVERED FROM NOV DRYER SHAKERS -0 BBL/ 0 BBLS RECOVERED TO DATE.
STARTING OBM VOLUME: 2027 BBLS TOTAL VOLUME: 2,213 BBLS
TRANSFERRED OUT 0 BBLS

STARTING RIG FUEL: RIG = 1754 GALS TRANSFERED FROM PEGUSAS 23-35-16 #251 0 GALS OBM DIESEL, 0 GALS AUX. DIESEL

DIESEL USAGE:
RIG FUEL ( DAILY/TOTAL ): 888 / 20,386 GALS
MUD DIESEL ( DAILY/TOTAL ): 1669 / 9849 GALS
AUXILIARY EQUIPMENT (DAILY/TOTAL): 0 / 1643 GALS
CERTARUS CNG (DAILY/ TOTAL) 791.91 MCF / 22,554.03 TOTAL MCF
---
ORIGINAL TARGET LINE - @ 11,755' TVD 90° 163.73° AZM
PLAN 2 CHANGED 03-27-18 @ 11,810' TVD 90° 163.73° AZM
PLAN 3 CHANGED 03-27-18 @ 11,840' TVD 90 DEGREES
PLAN #4 CHANGED 04/04/18 @ VS=0', inclination= 91.00 degrees, at TVD = 11,869.1'
PLAN #5 CHANGED 04/08/18 @ VS=0', INCLINATION=92° @ 11,942.5' TVD
---
***NO LEAKS OR SPILLS REPORTED OR OBSERVED***
---
BHA #7:BIT #7 -6.75" GTC63C SER# 129837714 W/ 6-12' S TFA= .566 // 4.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.83° ( 6/7 LOBE, 6.4 STG., .80 REV/GAL )FLOAT SUB// NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 4.75" NMDC PONY// X-OVER 3 1/2 IF X CET 43 /90 JOINTS OF CET 43 DP / X-OVER CET 43 X XT39// AGITATOR// X-OVER XT39 X CET 43 = TOT. LGTH. =2936.18 // BIT TO BEND 4.83 // BIT TO SURVEY 53' // BIT TO GAMMA 50.19' // DEPTH IN 11,900' // DEPTH OUT XXXXXX' // FTG. DRILLED XXX' // TOTAL DRLG HRS. XX.XXX // TOTAL MTR HRS. XX // AVG R.O.P. XX.XX FPH // REASON PULLED = XXXXXX, BIT GRADE= XXXXXXX

BHA#6 BIT #6 -9.875" CF613 SER# 35567 W/ 5-16S 1-18'S TFA= 1.2303 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 2.12° ( 4/5 LOBE, 5.3 STG., .253 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY// XO /30 JOINTS OF DP / 27 JNTS HWDP = TOT. LGTH. = 1856.24' // BIT TO BEND 6.41 // BIT TO SURVEY 52' // BIT TO GAMMA 48.96' // DEPTH IN 11,121' // DEPTH OUT 11,900' // FTG. DRILLED 779' // TOTAL DRLG HRS. 23.5 // TOTAL MTR HRS. 28 // AVG R.O.P. 33.1 FPH // REASON PULLED = CASING POINT, BIT GRADE= 2-4-CT-S-I-BT-TD

BHA #5 RE-RUN BHA #5: BIT #5-9.875" CF613 SER# 34734 W/ 5-16'S & 1-18 TFA= 1.2305 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1179.01' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 10,213" // DEPTH OUT 11,121' // FTG. DRILLED 908' // TOTAL DRLG HRS. 29.5 // TOTAL MTR HRS. 31.5 // AVG R.O.P. 30.8 FPH // REASON PULLED = KOP/BHA // BIT GRADE= 1-2-CT-S-I-CT-BHA

BHA #5: BIT #4-9.875" CF717 SER# 36022 W/ 7-16'S TFA= 1.3744 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1179.01' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 8563' // DEPTH OUT 10213' // FTG. DRILLED 1650' // TOTAL DRLG HRS. 45 // TOTAL MTR HRS. 50 // AVG R.O.P. 36.3 FPH // REASON PULLED = LOW ROP, BIT GRADE= 8-4-BT-A-I-CT-PR

BHA #4: BIT #3-9.875" SMITH XZ616 SER# JN7079 W/ 6-16'S TFA= 1.767 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1178.28' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 4970' // DEPTH OUT 8563' // FTG. DRILLED 3583' // TOTAL DRLG HRS. 36.5 // TOTAL MTR HRS. 39.5 // AVG R.O.P. 98.4 FPH // REASON PULLED = LOW PR// BIT GRADE= 8-2-CR-N-1-CT-PR

BHA #3: BIT #2-12.250" SMITH XS716S SER# ED1338 W/ 2-14'S & 5 X 15'S TFA= 1.163 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 11.25 OD IBS // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // = TOT. LGTH. = 370.23' // BIT TO BEND 6.43 // BIT TO SURVEY 57' // BIT TO GAMMA 52.81' // DEPTH IN 445' // DEPTH OUT 4970' // FTG. DRILLED 4525' // TOTAL DRLG HRS. 62 // TOTAL MTR HRS. 68 // AVG R.O.P. 72.2 FPH // REASON PULLED = TD CASING POINT ? // BIT GRADE= 1-5-BT-S-1-BT-TD

BHA #2: RE-RUN BIT #1-17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" BIT

SUB // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 253.16' // BIT TO SURVEY 48' // BIT TO GAMMA 31' // DEPTH IN 300' // DEPTH OUT 445' // FTG. DRILLED 145' // TOTAL DRLG HRS. 3.5 // TOTAL MTR HRS. N/A // AVG R.O.P. 41.4 FPH // REASON PULLED = TD // BIT GRADE=1-2-NO-G-I-NO-TD

BHA #1: 17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 278.09' // BIT TO BEND 6.43' // BIT TO SURVEY 76' // BIT TO GAMMA 59' // DEPTH IN 146' // DEPTH OUT 300' // FTG. DRILLED 154' // TOTAL DRLG HRS. 15.5 // TOTAL MTR HRS. 18 // AVG R.O.P. 9.94 FPH // REASON PULLED = P-RATE // BIT GRADE = 1-2-NO-G-I-NO-PR

## Solids Removal

### Shakers

| Shaker # | Bottom | Middle | Top |
|---|---|---|---|

### Other Solids Removal Equipment

| Item | Hrs Run | Intake Density (lbs/gal) | Overflow Density (lbs/gal) | Underflow Density (lbs/gal) |
|---|---|---|---|---|

## Mud Log

Formation :
Background Gas : 115
Connection Gas : 487
Flare Length : N/A
Trip Calc :

## Well Incident

Report # :
Incident Date :
Report Date :
Problem Name :

# Daily Drilling Report P1

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 30 Report Date : 4/9/2018

**Financials**

Daily Cost : $118,350 Cost to Date : $2,892,582

AFE # : PB18100002

AFE : $10,772,650 AFE Cost to Date : $2,892,582

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A Event Sub Type : Drilling Prod

A.M. Ops : DRILD 6 3/4" PRODUCTION LATERAL F/17,645' - T/17,920' (275' @ 50 FPH) MW 12.8 PPG

Ops Forecast : DRILL 6 3/4" PROD LATERAL TOWARD TD @ 21,630' +/-

24hr. Summary : DRILD 6 3/4" PRODUCTION LATERAL F/16,906' - T/17,645 ' (739 ' @ 32.1FPH) MW 12.8 PPG

Planning Status :

**Elevations**

GL 2773.00 ft Reserve Pit Freeboard : 0.00 ft

**Progress**

Days from Spud : 24 Progress : 739.00 ft MD at Report Time : 17645.00 ft

Rig on Location (days) : 30 Est. TD : 21599.00 ft TVD At Report Time : 0.00 ft

**Event Dates**

| Spud Date | Spud Time | Suspended Drilling Date | Resume Drilling Date | Total Depth Date | Total Depth Time | Finished Drilling Date | Finished Drilling Time | Rig Released Date | Rig Released Time |
|---|---|---|---|---|---|---|---|---|---|
| 3/16/2018 | 19:00 | | | | | | | | |

**Time Breakdown**

Start Time : 00:00 Initial Depth : 0.00 ft Drilling Hours : 24.00 Total Drilling Hours : 401.50 Total Hours : 24.00 Time Code : DRILLING -

Drilling % : 100.00 Rotating % : 79.17 Sliding % : 20.83

| Start Time | End Time | Hours | Phase | Activity | | NPT | Bit # | Run # | Depth (ft) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Time Code | Description | | | | | |
| 00:00 | 02:00 | 2.00 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 07 | 1 | 16972.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 16, 906' - T/ 16, 972' ( 66' @ 33 FPH ) WOB 24K // RPM 40 // GPM 247 // MRPM 197 // SPP 3450 PSI. // DIFF 800 PSI. // TQ. 13K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 02:00 | 03:30 | 1.50 | DRLPRL | 02M | DRILLING - DRILLING - SLIDING | No | 07 | 1 | 17002.00 | SLIDE DRILL 6. 750" PROD LATERAL// F/ 16, 972' - T/ 17, 002' ( 30' @ 20 FPH ) TF: 160L // WOB 20K // GPM 247 // MRPM 197 // SPP 3050 PSI., DIFF 350 PSI. DRILLING DOWN FLOW LINE// NO GAINS/ NO LOSSES |
| 03:30 | 06:00 | 2.50 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 07 | 1 | 17095.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 17, 002' - T/ 17, 095' ( 93' @ 37. 2 FPH ) WOB 24K // RPM 40 // GPM 247 // MRPM 197 // SPP 3550 PSI. // DIFF 800 PSI. // TQ. 14K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 06:00 | 10:00 | 4.00 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 07 | 1 | 17253.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 17, 095' - T/ 17, 253' ( 158' @ 39. 5 FPH ) WOB 24K // RPM 40 // GPM 247 // MRPM 197 // SPP 3550 PSI. // DIFF 800 PSI. // TQ. 14K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 10:00 | 12:00 | 2.00 | DRLPRL | 02M | DRILLING - DRILLING - SLIDING | No | 07 | 1 | 17273.00 | SLIDE DRILL 6. 750" PROD LATERAL// F/ 17, 253' - T/ 17, 273' ( 20' @ 10 FPH ) TF: 120L // WOB 20K // GPM 247 // MRPM 197 // SPP 3050 PSI., DIFF 350 PSI. DRILLING DOWN FLOW LINE// NO GAINS/ NO LOSSES |
| 12:00 | 15:00 | 3.00 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 07 | 1 | 17376.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 17, 273' - T/ 17, 376' ( 123' @ 41 FPH ) WOB 24K // RPM 40 // GPM 247 // MRPM 197 // SPP 3550 PSI. // DIFF 800 PSI. // TQ. 14K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 15:00 | 17:00 | 2.00 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 07 | 1 | 17440.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 17, 376' - T/ 17, 440' ( 64' @ 32FPH ) WOB 24K // RPM 40 // GPM 247 // MRPM 197 // SPP 3550 PSI. // DIFF 800 PSI. // TQ. 14K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 17:00 | 17:30 | 0.50 | DRLPRL | 02M | DRILLING - DRILLING - SLIDING | No | 07 | 1 | 17452.00 | SLIDE DRILL 6. 750" PROD LATERAL// F/ 17, 440' - T/ 17, 452' ( 12' @ 12 FPH ) TF: 20R // WOB 20K // GPM 247 // MRPM 197 // SPP 3050 PSI., DIFF 350 PSI. DRILLING DOWN FLOW LINE// NO GAINS/ NO LOSSES |
| 17:30 | 21:00 | 3.50 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 07 | 1 | 17559.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 17, 452' - T/ 17, 559' ( 97' @ 27. 5FPH ) WOB 24K // RPM 40 // GPM 247 // MRPM 197 // SPP 3550 PSI. // DIFF 800 PSI. // TQ. 14K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 21:00 | 23:00 | 2.00 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 07 | 1 | 17631.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 17, 559' - T/ 17, 631' ( 72' @ 36FPH ) WOB 24K // RPM 40 // GPM 247 // MRPM 197 // SPP 3550 PSI. // DIFF 800 PSI. // TQ. 14K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 23:00 | 00:00 | 1.00 | DRLPRL | 02M | DRILLING - DRILLING - SLIDING | No | 07 | 1 | 17645.00 | SLIDE DRILL 6. 750" PROD LATERAL// F/ 17, 631' - T/ 17, 645' ( 15' @ 15 FPH ) TF: 20R // WOB 20K // GPM 247 // MRPM 197 // SPP 3050 PSI., DIFF 350 PSI. DRILLING DOWN FLOW LINE// NO GAINS/ NO LOSSES |

**Personnel Hours**

| Vendor | Vendor Type | Number Of People | Hours On Site | Total Hours |
|---|---|---|---|---|
| NEWLAND CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| AES DRILLING FLUIDS LLC | MUD ENGINEER | 1 | 24.00 | 24.00 |
| SCANDRILL INC | RIG CREWS | 12 | 24.00 | 288.00 |

| | | | | |
|---|---|---|---|---|
| SCANDRILL INC | TOOLPUSHER | 1 | 24.00 | 24.00 |
| PHOENIX DIRECTIONAL DRILLERS | 4- MAN CREW | 4 | 24.00 | 96.00 |
| INDUSTRIAL & OILFIELD SERVICES INC | CONSULTANT | 1 | 24.00 | 24.00 |
| NOV PROCESS & FLOW TECHNOLOGIES US, INC. | 2- MAN CREW | 2 | 24.00 | 48.00 |

**Rig Information**

| | | | | | |
|---|---|---|---|---|---|
| KB Elevation: | 2798.00 ft | KB To GL : | 25.00 ft | | |
| Rig(s) for today : | Scan Texas | Rig Manager : | TRENT VAUGHT | Rig Phone : | 432-400-2272 |
| Date and Time of Rig Release : | | Days From Rig Release : | 0.00 | Rig Fax : | |

**Safety**

| | | | | | |
|---|---|---|---|---|---|
| Last BOP Test(F) Date : | 4/2/2018 | Last BOP Pressure : | 8500.000 psi | Last Lot Fit : | 14.50 |
| Last Csg Date : | 4/1/2018 | Last Csg Pressure : | 1500.000 psi | Last Spills Reported : | |
| Last BOP Drill Date : | 4/5/2018 | Last Test MW : | 12.90 | Last Accidents : | |
| Last Fire Drill : | | Last Test TVD : | 11717.00 ft | Last Safety Meeting : | 4/9/2018 18:00 |
| Last Evac Drill : | | Last Test Pressure : | 977.000 psi | Last Safety Meeting Topic : | UNLOADING CSG/FORKLIFT OPER |

**Contacts**

| | | | | | |
|---|---|---|---|---|---|
| Day Sup. : | NICK NEWLAND | Phone : | 405-761-3414 | Superintendent : | SANTOS MOROLES | Phone : | 432-559-4901 |
| Night Sup. : | JEREMY GRAY | Phone : | | Geologist : | ALBERT BONDURANT | Phone : | 205.568.5467 |
| Alt. Phone : | | | | Drill. Eng. : | BRANNON SMITH | Phone : | 432-818-1777 |

**Attachments**

Daily Attachment Folder(s)

# Daily Drilling Report P2

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 30 Report Date : 4/9/2018

## Operations

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

## Mud Data

Mud Engineer : CLAY RICH Mud Type : Oil Base Mud Polymer Type :

| Chk | Time | Depth (ft) | Density (lbs/gal) | FV (s/qt) | YP (lbs/100 ft²) | PV (cP) | WL (cc/30 min) | Cl (ppm) | Electro Static Stability | Oil Ratio | H2O Ratio | HTHP Water Loss(cc/30 min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:32 | 17495. | 12.80000 | 60.00 | 15 | 22.00 | 0.0 | 24300 | 427.0 | 76 | 24 | 6.0 |

## Bit Data

| Bit # | Run # | Size (in) | Mfg. | Model | IADC Code | Daily Drilled (ft) | Daily Hours | Daily ROP (ft/hr) | Cum Drilled (ft) | Cum Hrs. | Avg. ROP (ft/hr) | Depth In (ft) | Depth Out (ft) | Max WOB (M Lbs) | PSI Drop (psi) | Nozzle Velocity (ft/s) | HHP (HP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07 | 1 | 6.750 | HALIBURTON | GTD63 | | 739.00 | 24.00 | 30.79 | 5745.00 | 161.00 | 35.68 | 16906.00 | 17645.00 | 24.000 | 163.855 | 119.64 | 23.63 |

## BHA Data

For Bit # : 07 Mud Motor : Total Made : 739 ft

Total BHA Hours : 414.5 Total Hours : 24.00

BHA # : 07 DC OD : 4.750 in DP OD : 4.500 in BHA Length : 2936.18 ft BHA Weight 0.00 M Lbs

| Item | Jts | Length (ft) | OD (in) | ID (in) | Coupling OD (in) | Weight (lbs/ft) | Thread Type | Pin/Box |
|---|---|---|---|---|---|---|---|---|
| BITS | 1 | 1.00 | 6.750 | 0.000 | 0.000 | 0.000 | 3 1/2 REG | Pin |
| MUD MOTOR | 1 | 25.80 | 4.750 | 0.000 | 0.000 | 0.000 | 3 1/2 IF | Box |
| FLOAT SUB | 1 | 2.46 | 4.870 | 2.460 | 0.000 | 0.000 | 3 1/2 IF | Box |
| NON- MAG COLLAR | 1 | 14.20 | 4.740 | 2.740 | 0.000 | 0.000 | 3 1/2 IF | Box |
| SUBS | 1 | 1.61 | 4.800 | 2.670 | 0.000 | 0.000 | 3 1/2 IF | Box |
| SUBS | 1 | 3.42 | 5.200 | 0.000 | 0.000 | 0.000 | 3 1/2 | Box |
| SUBS | 1 | 8.34 | 5.240 | 0.000 | 0.000 | 0.000 | 3 1/2 | Box |
| SUBS | 1 | 3.78 | 5.150 | 0.000 | 0.000 | 0.000 | 3 1/2 | Box |
| NON- MAG COLLAR | 1 | 29.20 | 4.630 | 2.710 | 0.000 | 0.000 | 3 1/2 | Box |
| CROSSOVER SUB | 1 | 4.03 | 5.450 | 2.670 | 0.000 | 0.000 | 3 1/2 IF | Box |
| DRILLPIPE | 90 | 2824.96 | 4.750 | 0.000 | 0.000 | 0.000 | CET 43 | Box |
| CROSSOVER SUB | 1 | 2.95 | 5.390 | 0.000 | 0.000 | 0.000 | CET 43 X XT39 | Box |
| AGITATOR | 1 | 12.43 | 5.000 | 0.000 | 0.000 | 0.000 | XT-39 | Box |
| CROSSOVER SUB | 1 | 2.00 | 5.400 | 0.000 | 0.000 | 0.000 | XT39 X CET 43 | Box |

## Drilling Parameters

| Bit # | Run # | Depth (ft) | WOB (M Lbs) | RPM | | GPM | Torque | | String Weight | | | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Motor | Rotary | | On Bom (ft lbf) | Off Bom (ft lbf) | Pick Up (lbs) | Stack Off (lbs) | Rotate (lbs) | On Bom (psi) | Off Bom (psi) | Diff Press. (psi) |
| 07 | 1 | 17645.00 | 24.000 | 240 | 40 | 247 | 13000.00 | 5000.00 | 220 | 130 | 145 | 3450.0 | 2750.0 | 700.0 |

## Pump Data

| Bit # | Pump 1 | | | | | Pump 2 | | | | | Pump Pressure (psi) | AV DC (ft/min) | AV DP (ft/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | | | |
| 07 | BOMCO 1600 | 12.000 | 5.000 | 85 | 247.122 | BOMCO 1600 | 12.000 | 5.000 | 0 | 0.000 | 3450.00 | 263 | 239 |

## Reduced Speed Pumps

| Depth(ft) | Pump 1 | | | Pump 2 | | |
|---|---|---|---|---|---|---|
| | Model | Pressure (psi) | SPM | Model | Pressure (psi) | SPM |
| 17339.00 | BOMCO 1600 | 1020.0 | 30 | BOMCO 1600 | 1040.0 | 30 |
| 17339.00 | BOMCO 1600 | 1160.0 | 40 | BOMCO 1600 | 1080.0 | 40 |

# Daily Drilling Report P3

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 30 Report Date : 4/9/2018

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

**Drill Bottom Hole Targets**

| Bottom Hole Location | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Survey Data**

| Depth (ft) | Deviation | Azimuth | TVD (ft) | N/S | N/S (ft) | E/W | E/W (ft) | Vertical Section (ft) | Dog Leg |
|---|---|---|---|---|---|---|---|---|---|
| 16909.00 | 94.41 | 163.1 | 11748.83 | | -5171.14 | | 1555.33 | 5399.79 | 1.14 |
| 17003.00 | 90.78 | 162.9 | 11744.58 | | -5260.91 | | 1582.83 | 5493.67 | 3.81 |
| 17097.00 | 90.85 | 162.6 | 11743.24 | | -5350.65 | | 1610.75 | 5587.65 | 0.28 |
| 17192.00 | 90.10 | 162.9 | 11742.45 | | -5441.36 | | 1638.97 | 5682.63 | 0.82 |
| 17286.00 | 92.21 | 166.7 | 11740.56 | | -5532.01 | | 1663.68 | 5776.57 | 4.55 |
| 17379.00 | 90.73 | 165.4 | 11738.17 | | -5622.23 | | 1686.13 | 5869.46 | 2.05 |
| 17474.00 | 91.85 | 166.3 | 11736.03 | | -5714.33 | | 1709.32 | 5964.37 | 1.51 |
| 17568.00 | 91.04 | 164.9 | 11733.66 | | -5805.34 | | 1732.67 | 6058.29 | 1.75 |

**Hook Loads**

Up : 230

Down : 100

Rotating : 180

Torque : 0 Amps

Torque : 12500.00 ft lbf

**Comments**

UL 20 STRIPES 38-47-601H RIG MOBILIZATION BEGAN: 3/11/18 @ 13:00HRS.
RIG ON DAYRATE @ 04:30 HRS, 03/16/2018
SPUD WELL @ 1900 HRS, 03-16-18
(108 HR. RIG MOVE)
RELEASED RIG OFF OF PEGASUS 23-35-16#251H ON 03/11/18 @ 13:00 HRS .

NOTIFIED TRRC: SPUD/SURFACE: 03/15/17,10 AM, MICHELLE, JOB #123292
NOTIFIED TRRC: INTERMENT-03/22/18, 6:00AM, NAOMI, JOB # 123292
NOTIFIED TRRC: 2ND INTERMEDIATE: 03-31-18, 8:00AM, AUDREY OP 2, JOB#123292
NOTIFIED TRRC: PRODUCTION: XXXX

RESUMED DRILLING OPERATIONAL HRS. = 557 ( 23.29 DAYS)

UL 20 STRIPES 38-47 601H: INSPECT 372 OF 372 JOINTS OF SCAN RIG PIPE BY RED RIVER TO DS1 CAT-4 PLUS UTEA, HAVE 293 JTS PREMIUM READY (7 JTS NEED HARDBANDING) 71 JTS ACCEPTED PREMIUM READY NEEDING SHOP REPAIR 18 BOXES & 52 PINS FOR PITTING & 1 PIN FOR HANDLING DAMAGE// (3 JT CLASS II RED BAND (INTERNAL PITTING), 3 JT CLASS III RED BAND (INTERNAL EMI/UTI), 2 JTS CLASS V SURFACE CRACKS ON PIN. (71 JOINTS SENT IN FOR REPAIRS AND 8 JOINTS REPLACED BY SCAN). ALSO INSPECTED 115 JTS SCAN 5" RENTAL DP ,114 JTS PREMIUM READY, 1 JOINT BEND PREMIUM READY.

DAYS SINCE LAST LTA: (1270 DAYS ): LAST OSHA RECORDABLE INCIDENT: ( 507 )

CREW SHORTAGES ( LAST 24HRS / TOTAL HRS ): 0 / 0
CREW DOUBLES (LAST 24 HRS / TOTAL HRS): 0 / 0
NON PRODUCTIVE TIME (LAST 24HRS / TOTAL HRS): 0 HRS. / 11.5 HRS.
RIG DOWNTIME CODE 8: (LAST 24 HRS / TOTAL HRS ON WELL) – 0 HRS / 1.5 HRS
1.5 HRS CODE 8 ON 3/17/18 STRIPES 601H

20" CONDUCTER SET @ 146'
13 3/8" SURFACE: SET @ 437' W/FC @ 394' CIRC 31 BBLS CMT
10 3/4" 1 INTERMEDIATE: SET @ 4965' NO CMT TO SUF
7 5/8" 2 INTERMEDIATE SET @11,895' (5BBLS CEMEMENT TO SURFACE) F/C @11849' W/ BAFFLE,. CONTINGENCY BAFFLE @ 4937', DV/ECP @ 4825'
5 1/2" PRODUCTION: SET @

OBM LOST TO WELL (LAST 24 HRS / TOTAL BBLS): 80 BBLS / 508 BBLS
OBM LOST BEHIND CASING: 0 BBLS
OBM LOST: 0 BBLS TO FORMATION
OBM LOST: 34 BBLS TO CUTTINGS
OBM LOST: 38 BBLS TO CLEANING PITS,DISCHARGE OVER SHAKERS, LOST ON DISPLACEMENT, SURFACE LOSSES, CENTRIFUGE LOSSES
ADDITIONS- 65 BBL
OBM RECOVERED FROM NOV DRYER SHAKERS -0 BBL/ 0 BBLS RECOVERED TO DATE.
STARTING OBM VOLUME: 2027 BBLS TOTAL VOLUME: 2,254 BBLS
TRANSFERRED OUT 0 BBLS

STARTING RIG FUEL: RIG = 1754 GALS TRANSFERED FROM PEGUSAS 23-35-16 #251 0 GALS OBM DIESEL, 0 GALS AUX. DIESEL

DIESEL USAGE:
RIG FUEL ( DAILY/TOTAL ): 1245 / 21,631 GALS
MUD DIESEL ( DAILY/TOTAL ): 2446 / 12,295 GALS
AUXILIARY EQUIPMENT (DAILY/TOTAL): 108 / 1751 GALS
CERTARUS CNG (DAILY/ TOTAL) 397.12 MCF / 22,951.15 TOTAL MCF
---
ORIGINAL TARGET LINE - @ 11,755' TVD 90° 163.73° AZM
PLAN 2 CHANGED 03-27-18 @ 11,810' TVD 90° 163.73° AZM
PLAN 3 CHANGED 03-27-18 @ 11,840' TVD 90 DEGREES
PLAN #4 CHANGED 04/04/18 @ VS=0', inclination= 91.00 degrees, at TVD = 11,869.1'
PLAN #5 CHANGED 04/08/18 @ VS=0', INCLINATION=92° @ 11,942.5' TVD
---
***NO LEAKS OR SPILLS REPORTED OR OBSERVED***
---
BHA #7:BIT #7 -6.75" GTC63C SER# 129837714 W/ 6-12' S TFA= .566 // 4.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.83° ( 6/7 LOBE, 6.4 STG., .80 REV/GAL )FLOAT SUB// NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 4.75" NMDC PONY// X-OVER 3 1/2 IF X CET 43 /90 JOINTS OF CET 43 DP / X-OVER CET 43 X XT39// AGITATOR// X-OVER XT39 X CET 43 = TOT. LGTH. =2936.18 // BIT TO BEND 4.83 // BIT TO SURVEY 53' // BIT TO GAMMA 50.19' // DEPTH IN 11,900' // DEPTH OUT XXXXXX' // FTG. DRILLED XXX' // TOTAL DRLG HRS. XX.XXX // TOTAL MTR HRS. XX // AVG R.O.P. XX.XX FPH // REASON PULLED = XXXXXX, BIT GRADE= XXXXXXX

BHA#6 BIT #6 -9.875" CF613 SER# 35567 W/ 5-16S 1-18'S TFA= 1.2303 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 2.12° ( 4/5 LOBE, 5.3 STG., .253 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY// XO /30 JOINTS OF DP / 27 JNTS HWDP = TOT. LGTH. = 1856.24' // BIT TO BEND 6.41 // BIT TO SURVEY 52' // BIT TO GAMMA 48.96' // DEPTH IN 11,121' // DEPTH OUT 11,900' // FTG. DRILLED 779' // TOTAL DRLG HRS. 23.5 // TOTAL MTR HRS. 28 // AVG R.O.P. 33.1 FPH // REASON PULLED = CASING POINT, BIT GRADE= 2-4-CT-S-I-BT-TD

BHA #5 RE-RUN BHA #5: BIT #5-9.875" CF613 SER# 34734 W/ 5-16'S & 1-18 TFA= 1.2305 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1179.01' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 10,213" // DEPTH OUT 11,121' // FTG. DRILLED 908' // TOTAL DRLG HRS. 29.5 // TOTAL MTR HRS. 31.5 // AVG R.O.P. 30.8 FPH // REASON PULLED = KOP/BHA // BIT GRADE= 1-2-CT-S-I-CT-BHA

BHA #5: BIT #4-9.875" CF717 SER# 36022 W/ 7-16'S TFA= 1.3744 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1179.01' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 8563' // DEPTH OUT 10213' // FTG. DRILLED 1650' // TOTAL DRLG HRS. 45 // TOTAL MTR HRS. 50 // AVG R.O.P. 36.3 FPH // REASON PULLED = LOW ROP, BIT GRADE= 8-4-BT-A-I-CT-PR

BHA #4: BIT #3-9.875" SMITH XZ616 SER# JN7079 W/ 6-16'S TFA= 1.767 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1178.28' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 4970' // DEPTH OUT 8563' // FTG. DRILLED 3583' // TOTAL DRLG HRS. 36.5 // TOTAL MTR HRS. 39.5 // AVG R.O.P. 98.4 FPH // REASON PULLED = LOW PR// BIT GRADE= 8-2-CR-N-1-CT-PR

BHA #3: BIT #2-12.250" SMITH XS716S SER# ED1338 W/ 2-14'S & 5 X 15'S TFA= 1.163 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 11.25 OD IBS // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // = TOT. LGTH. = 370.23' // BIT TO BEND 6.43 // BIT TO SURVEY 57' // BIT TO GAMMA 52.81' // DEPTH IN 445' // DEPTH OUT 4970' // FTG. DRILLED 4525' // TOTAL DRLG HRS. 62 // TOTAL MTR HRS. 68 // AVG R.O.P. 72.2 FPH // REASON PULLED = TD CASING POINT ? // BIT GRADE= 1-5-BT-S-1-BT-TD

BHA #2: RE-RUN BIT #1-17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" BIT

SUB // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 253.16' // BIT TO SURVEY 48' // BIT TO GAMMA 31' // DEPTH IN 300' // DEPTH OUT 445' // FTG. DRILLED 145' // TOTAL DRLG HRS. 3.5 // TOTAL MTR HRS. N/A // AVG R.O.P. 41.4 FPH // REASON PULLED = TD // BIT GRADE=1-2-NO-G-I-NO-TD

BHA #1: 17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 278.09' // BIT TO BEND 6.43' // BIT TO SURVEY 76' // BIT TO GAMMA 59' // DEPTH IN 146' // DEPTH OUT 300' // FTG. DRILLED 154' // TOTAL DRLG HRS. 15.5 // TOTAL MTR HRS. 18 // AVG R.O.P. 9.94 FPH // REASON PULLED = P-RATE // BIT GRADE = 1-2-NO-G-I-NO-PR

## Solids Removal

### Shakers

| Shaker # | Bottom | Middle | Top |
|---|---|---|---|

### Other Solids Removal Equipment

| Item | Hrs Run | Intake Density (lbs/gal) | Overflow Density (lbs/gal) | Underflow Density (lbs/gal) |
|---|---|---|---|---|

## Mud Log

Formation :
Background Gas : 110
Connection Gas : 449
Flare Length : N/A
Trip Calc :

## Well Incident

Report # :
Incident Date :
Report Date :
Problem Name :

# Daily Drilling Report P1

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 31 Report Date : 4/10/2018

**Financials**

Daily Cost : $72,915 Cost to Date : $2,965,497

AFE # : PB18100002

AFE : $10,772,650 AFE Cost to Date : $2,965,497

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A Event Sub Type : Drilling Prod

A.M. Ops : DRILD 6 3/4" PRODUCTION LATERAL F/18,531' - T/18,751' ( 220' @ 40 FPH) MW 12.8 PPG

Ops Forecast : DRILL 6 3/4" PRODUCTION LATERAL TOWARD TD @ 21,630' +/-

24hr. Summary : DRILD 6 3/4" PRODUCTION LATERAL F/17,645' - T/18,531' (886' @ 37.7 FPH) MW 12.8 PPG

Planning Status :

**Elevations**

GL 2773.00 ft Reserve Pit Freeboard : 0.00 ft

**Progress**

Days from Spud : 25 Progress : 886.00 ft MD at Report Time : 18531.00 ft

Rig on Location (days) : 31 Est. TD : 21599.00 ft TVD At Report Time : 11690.98 ft

**Event Dates**

| Spud Date | Spud Time | Suspended Drilling Date | Resume Drilling Date | Total Depth Date | Total Depth Time | Finished Drilling Date | Finished Drilling Time | Rig Released Date | Rig Released Time |
|---|---|---|---|---|---|---|---|---|---|
| 3/16/2018 | 19:00 | | | | | | | | |

**Time Breakdown**

Start Time : 00:00 Initial Depth : 0.00 ft Drilling Hours : 23.50 Total Drilling Hours : 425.00 Total Hours : 24.00 Time Code : DRILLING -

Drilling % : 97.92 Rotating % : 70.21 Sliding % : 29.79

| Start Time | End Time | Hours | Phase | Activity Time Code | Activity Description | NPT | Bit # | Run # | Depth (ft) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| 00:00 | 03:00 | 3.00 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 07 | 1 | 17786.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 17, 645' - T/ 17, 786' ( 141' @ 47 FPH ) WOB 24K // RPM 40 // GPM 247 // MRPM 197 // SPP 3550 PSI. // DIFF 800 PSI. // TQ. 14K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 03:00 | 05:30 | 2.50 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 07 | 1 | 17913.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 17, 786' - T/ 17, 913' ( 127' @ 50. 8 FPH ) WOB 24K // RPM 40 // GPM 247 // MRPM 197 // SPP 3550 PSI. // DIFF 800 PSI. // TQ. 14K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 05:30 | 06:30 | 1.00 | DRLPRL | 02M | DRILLING - DRILLING - SLIDING | No | 07 | 1 | 17933.00 | SLIDE DRILL 6. 750" PROD LATERAL// F/ 17, 913' - T/ 17, 933' ( 20' @ 20 FPH ) TF: 45R // WOB 20K // GPM 247 // MRPM 197 // SPP 3150 PSI., DIFF 250/ 350 PSI. DRILLING DOWN FLOW LINE// NO GAINS/ NO LOSSES |
| 06:30 | 09:30 | 3.00 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 07 | 1 | 18092.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 17, 933' - T/ 18, 092' ( 159' @ 53 FPH ) WOB 24K // RPM 40 // GPM 247 // MRPM 197 // SPP 3550 PSI. // DIFF 800 PSI. // TQ. 14K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 09:30 | 11:30 | 2.00 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 07 | 1 | 18195.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 18, 092' - T/ 18, 195' ( 103' @ 51. 5 FPH ) WOB 24K // RPM 40 // GPM 247 // MRPM 197 // SPP 3550 PSI. // DIFF 800 PSI. // TQ. 14K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 11:30 | 13:00 | 1.50 | DRLPRL | 02M | DRILLING - DRILLING - SLIDING | No | 07 | 1 | 18220.00 | SLIDE DRILL 6. 750" PROD LATERAL// F/ 18, 195' - T/ 18, 220' ( 25' @ 16. 6 FPH ) TF: 110R // WOB 20K // GPM 247 // MRPM 197 // SPP 3150 PSI., DIFF 250/ 350 PSI. DRILLING DOWN FLOW LINE// NO GAINS/ NO LOSSES |
| 13:00 | 14:30 | 1.50 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 07 | 1 | 18289.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 18, 220' - T/ 18, 289' ( 69' @ 46 FPH ) WOB 24K // RPM 40 // GPM 247 // MRPM 197 // SPP 3550 PSI. // DIFF 800 PSI. // TQ. 14K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 14:30 | 17:00 | 2.50 | DRLPRL | 02M | DRILLING - DRILLING - SLIDING | No | 07 | 1 | 18317.00 | SLIDE DRILL 6. 750" PROD LATERAL// F/ 18, 289' - T/ 18, 317' ( 28' @ 11. 2 FPH ) TF: 120R // WOB 20K // GPM 247 // MRPM 197 // SPP 2725 PSI., DIFF 250/ 350 PSI. DRILLING DOWN FLOW LINE// NO GAINS/ NO LOSSES |
| 17:00 | 18:30 | 1.50 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 07 | 1 | 18385.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 18, 317' - T/ 18, 385' ( 68 @ 45. 3 FPH ) WOB 15/ 18K // RPM 40 // GPM 247 // MRPM 197 // SPP 3550 PSI. // DIFF 800 PSI. // TQ. 14K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 18:30 | 19:00 | 0.50 | DRLPRL | 10A | LUB RIG - DAILY SERVICE | No | 07 | 1 | 18385.00 | SERVICE RIG / TIGHTEN CLAMPS ON STRONG BACK. |
| 19:00 | 20:00 | 1.00 | DRLPRL | 02M | DRILLING - DRILLING - SLIDING | No | 07 | 1 | 18415.00 | SLIDE DRILL 6. 750" PROD LATERAL// F/ 18, 385' - T/ 18, 415' ( 30' @ 30 FPH ) TF: 145R // WOB 20K // GPM 247 // MRPM 197 // SPP 2725 PSI., DIFF 250/ 350 PSI. DRILLING DOWN FLOW LINE// NO GAINS/ NO LOSSES |
| 20:00 | 22:00 | 2.00 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 07 | 1 | 18479.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 18, 415' - T/ 18, 479' ( 64 @ 32' FPH ) WOB 15/ 18K // RPM 40 // GPM 247 // MRPM 197 // SPP 3550 PSI. // DIFF 800 PSI. // TQ. 14K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 22:00 | 23:00 | 1.00 | DRLPRL | 02M | DRILLING - DRILLING - SLIDING | No | 07 | 1 | 18509.00 | SLIDE DRILL 6. 750" PROD LATERAL// F/ 18, 479' - T/ 18, 509' ( 30' @ 30 FPH ) TF: 180 // WOB 20K // GPM 247 // MRPM 197 // SPP 2725 PSI., DIFF 250/ 350 PSI. DRILLING DOWN FLOW LINE// NO GAINS/ NO LOSSES |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 23:00 | 00:00 | 1.00 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 07 | 1 | 18531.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 18, 479' - T/ 18, 531' ( 52 @ 52' FPH ) WOB 15/ 18K // RPM 40 // GPM 247 // MRPM 197 // SPP 3550 PSI. // DIFF 800 PSI. // TQ. 14K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |

**Personnel Hours**

| Vendor | Vendor Type | Number Of People | Hours On Site | Total Hours |
|---|---|---|---|---|
| NEWLAND CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| AES DRILLING FLUIDS LLC | MUD ENGINEER | 1 | 24.00 | 24.00 |
| SCANDRILL INC | RIG CREWS | 12 | 24.00 | 288.00 |
| SCANDRILL INC | TOOLPUSHER | 1 | 24.00 | 24.00 |
| PHOENIX DIRECTIONAL DRILLERS | 4- MAN CREW | 4 | 24.00 | 96.00 |
| INDUSTRIAL & OILFIELD SERVICES INC | CONSULTANT | 1 | 24.00 | 24.00 |
| NOV PROCESS & FLOW TECHNOLOGIES US, INC. | 2- MAN CREW | 2 | 24.00 | 48.00 |
| CRESCENT CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |

**Rig Information**

| | | | | | |
|---|---|---|---|---|---|
| KB Elevation: | 2798.00 ft | KB To GL : | 25.00 ft | | |
| Rig(s) for today : | Scan Texas | Rig Manager : | TRENT VAUGHT | Rig Phone : | 432-400-2272 |
| Date and Time of Rig Release : | | Days From Rig Release : | 0.00 | Rig Fax : | |

**Safety**

| | | | | | |
|---|---|---|---|---|---|
| Last BOP Test(F) Date : | 4/2/2018 | Last BOP Pressure : | 8500.000 psi | Last Lot Fit : | 14.50 |
| Last Csg Date : | 4/1/2018 | Last Csg Pressure : | 1500.000 psi | Last Spills Reported : | |
| Last BOP Drill Date : | 4/5/2018 | Last Test MW : | 12.90 | Last Accidents : | |
| Last Fire Drill : | | Last Test TVD : | 11717.00 ft | Last Safety Meeting : | 4/10/2018 18:00 |
| Last Evac Drill : | | Last Test Pressure : | 977.000 psi | Last Safety Meeting Topic : | TRIPPING PIPE ,WORKING AS A TEA |

**Contacts**

| | | | | | |
|---|---|---|---|---|---|
| Day Sup. : | NICK NEWLAND | Phone : | 405-761-3414 | Superintendent : | SANTOS MOROLES | Phone : | 432-559-4901 |
| Night Sup. : | BRIAN EHRENBERG | Phone : | | Geologist : | ALBERT BONDURANT | Phone : | 205.568.5467 |
| Alt. Phone : | | | | Drill. Eng. : | BRANNON SMITH | Phone : | 432-818-1777 |

**Attachments**

| Daily Attachment Folder(s) |
|---|
| |

# Daily Drilling Report P2

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 31 Report Date : 4/10/2018

## Operations

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

## Mud Data

Mud Engineer : CLAY RICH Mud Type : Oil Base Mud Polymer Type :

| Chk | Time | Depth (ft) | Density (lbs/gal) | FV (s/qt) | YP (lbs/100 ft²) | PV (cP) | WL (cc/30 min) | Cl (ppm) | Electro Static Stability | Oil Ratio | H2O Ratio | HTHP Water Loss(cc/30 min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:00 | 18405. | 12.80000 | 61.00 | 15 | 22.00 | 0.0 | 24795 | 476.0 | 75 | 25 | 5.6 |

## Bit Data

| Bit # | Run # | Size (in) | Mfg. | Model | IADC Code | Daily Drilled (ft) | Daily Hours | Daily ROP (ft/hr) | Cum Drilled (ft) | Cum Hrs. | Avg. ROP (ft/hr) | Depth In (ft) | Depth Out (ft) | Max WOB (M Lbs) | PSI Drop (psi) | Nozzle Velocity (ft/s) | HHP (HP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07 | 1 | 6.750 | HALIBURTON | GTD63 | | 886.00 | 23.50 | 37.70 | 6631.00 | 184.50 | 35.94 | 17645.00 | 18531.00 | 24.000 | 163.855 | 119.64 | 23.63 |

## BHA Data

For Bit # : 07 Mud Motor : Total Made : 886 ft

Total BHA Hours : 438.0 Total Hours : 23.50

BHA # : 07 DC OD : 4.750 in DP OD : 4.500 in BHA Length : 2936.18 ft BHA Weight 0.00 M Lbs

| Item | Jts | Length (ft) | OD (in) | ID (in) | Coupling OD (in) | Weight (lbs/ft) | Thread Type | Pin/Box |
|---|---|---|---|---|---|---|---|---|
| BITS | 1 | 1.00 | 6.750 | 0.000 | 0.000 | 0.000 | 3 1/2 REG | Pin |
| MUD MOTOR | 1 | 25.80 | 4.750 | 0.000 | 0.000 | 0.000 | 3 1/2 IF | Box |
| FLOAT SUB | 1 | 2.46 | 4.870 | 2.460 | 0.000 | 0.000 | 3 1/2 IF | Box |
| NON- MAG COLLAR | 1 | 14.20 | 4.740 | 2.740 | 0.000 | 0.000 | 3 1/2 IF | Box |
| SUBS | 1 | 1.61 | 4.800 | 2.670 | 0.000 | 0.000 | 3 1/2 IF | Box |
| SUBS | 1 | 3.42 | 5.200 | 0.000 | 0.000 | 0.000 | 3 1/2 | Box |
| SUBS | 1 | 8.34 | 5.240 | 0.000 | 0.000 | 0.000 | 3 1/2 | Box |
| SUBS | 1 | 3.78 | 5.150 | 0.000 | 0.000 | 0.000 | 3 1/2 | Box |
| NON- MAG COLLAR | 1 | 29.20 | 4.630 | 2.710 | 0.000 | 0.000 | 3 1/2 | Box |
| CROSSOVER SUB | 1 | 4.03 | 5.450 | 2.670 | 0.000 | 0.000 | 3 1/2 IF | Box |
| DRILLPIPE | 90 | 2824.96 | 4.750 | 0.000 | 0.000 | 0.000 | CET 43 | Box |
| CROSSOVER SUB | 1 | 2.95 | 5.390 | 0.000 | 0.000 | 0.000 | CET 43 X XT39 | Box |
| AGITATOR | 1 | 12.43 | 5.000 | 0.000 | 0.000 | 0.000 | XT-39 | Box |
| CROSSOVER SUB | 1 | 2.00 | 5.400 | 0.000 | 0.000 | 0.000 | XT39 X CET 43 | Box |

## Drilling Parameters

| Bit # | Run # | Depth (ft) | WOB (M Lbs) | RPM | | GPM | Torque | | String Weight | | | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Motor | Rotary | | On Bom (ft lbf) | Off Bom (ft lbf) | Pick Up (lbs) | Stack Off (lbs) | Rotate (lbs) | On Bom (psi) | Off Bom (psi) | Diff Press. (psi) |
| 07 | 1 | 18531.00 | 24.000 | 240 | 40 | 247 | 14000.00 | 5000.00 | 230 | 120 | 145 | 3550.0 | 2875.0 | 675.0 |

## Pump Data

| Bit # | Pump 1 | | | | | Pump 2 | | | | | Pump Pressure (psi) | AV DC (ft/min) | AV DP (ft/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | | | |
| 07 | BOMCO 1600 | 12.000 | 5.000 | 85 | 247.122 | BOMCO 1600 | 12.000 | 5.000 | 0 | 0.000 | 3450.00 | 263 | 239 |

## Reduced Speed Pumps

| Depth(ft) | Pump 1 | | | Pump 2 | | |
|---|---|---|---|---|---|---|
| | Model | Pressure (psi) | SPM | Model | Pressure (psi) | SPM |
| 17715.00 | BOMCO 1600 | 940.0 | 30 | BOMCO 1600 | 1040.0 | 30 |
| 17715.00 | BOMCO 1600 | 1100.0 | 40 | BOMCO 1600 | 1080.0 | 40 |

# Daily Drilling Report P3

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 31 Report Date : 4/10/2018

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

**Drill Bottom Hole Targets**

| Bottom Hole Location | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Survey Data**

| Depth (ft) | Deviation | Azimuth | TVD (ft) | N/S | N/S (ft) | E/W | E/W (ft) | Vertical Section (ft) | Dog Leg |
|---|---|---|---|---|---|---|---|---|---|
| 17662.00 | 93.24 | 165.6 | 11730.15 | | -5896.18 | | 1756.59 | 6152.18 | 2.43 |
| 17756.00 | 94.31 | 167.2 | 11723.96 | | -5987.34 | | 1778.66 | 6245.87 | 1.96 |
| 17850.00 | 90.02 | 163.7 | 11720.41 | | -6078.21 | | 1802.28 | 6339.73 | 5.76 |
| 17945.00 | 92.52 | 165.9 | 11718.31 | | -6169.85 | | 1827.21 | 6434.67 | 3.41 |
| 18039.00 | 94.15 | 164.3 | 11712.84 | | -6260.51 | | 1851.40 | 6528.48 | 2.38 |
| 18134.00 | 92.90 | 160.4 | 11707.00 | | -6350.83 | | 1880.20 | 6623.26 | 4.22 |
| 18228.00 | 94.44 | 161.2 | 11700.98 | | -6439.40 | | 1911.08 | 6716.93 | 1.82 |
| 18322.00 | 91.84 | 160.6 | 11695.83 | | -6528.09 | | 1941.77 | 6810.67 | 2.78 |
| 18416.00 | 94.06 | 167.0 | 11690.99 | | -6618.19 | | 1967.96 | 6904.49 | 7.00 |

**Hook Loads**

| | | |
|---|---|---|
| Up : | 230 | |
| Down : | 120 | |
| Rotating : | 180 | |
| Torque : | 0 | Amps |
| Torque : | 14000.00 | ft lbf |

**Comments**

UL 20 STRIPES 38-47-601H RIG MOBILIZATION BEGAN: 3/11/18 @ 13:00HRS.
RIG ON DAYRATE @ 04:30 HRS, 03/16/2018
SPUD WELL @ 1900 HRS, 03-16-18
(108 HR. RIG MOVE)
RELEASED RIG OFF OF PEGASUS 23-35-16#251H ON 03/11/18 @ 13:00 HRS .

NOTIFIED TRRC: SPUD/SURFACE: 03/15/17,10 AM, MICHELLE, JOB #123292
NOTIFIED TRRC: INTERMENT-03/22/18, 6:00AM, NAOMI, JOB # 123292
NOTIFIED TRRC: 2ND INTERMEDIATE: 03-31-18, 8:00AM, AUDREY OP 2, JOB#123292
NOTIFIED TRRC: PRODUCTION: XXXX

RESUMED DRILLING OPERATIONAL HRS. = 581 ( 24.29 DAYS)

UL 20 STRIPES 38-47 601H: INSPECT 372 OF 372 JOINTS OF SCAN RIG PIPE BY RED RIVER TO DS1 CAT-4 PLUS UTEA, HAVE 293 JTS PREMIUM READY (7 JTS NEED HARDBANDING) 71 JTS ACCEPTED PREMIUM READY NEEDING SHOP REPAIR 18 BOXES & 52 PINS FOR PITTING & 1 PIN FOR HANDLING DAMAGE// (3 JT CLASS II RED BAND (INTERNAL PITTING), 3 JT CLASS III RED BAND (INTERNAL EMI/UTI), 2 JTS CLASS V SURFACE CRACKS ON PIN. (71 JOINTS SENT IN FOR REPAIRS AND 8 JOINTS REPLACED BY SCAN). ALSO INSPECTED 115 JTS SCAN 5" RENTAL DP ,114 JTS PREMIUM READY, 1 JOINT BEND PREMIUM READY.

DAYS SINCE LAST LTA: (1271 DAYS ): LAST OSHA RECORDABLE INCIDENT: ( 508 )

CREW SHORTAGES ( LAST 24HRS / TOTAL HRS ): 0 / 0
CREW DOUBLES (LAST 24 HRS / TOTAL HRS): 0 / 0
NON PRODUCTIVE TIME (LAST 24HRS / TOTAL HRS): 0 HRS. / 11.5 HRS.
RIG DOWNTIME CODE 8: (LAST 24 HRS / TOTAL HRS ON WELL) – 0 HRS / 1.5 HRS
1.5 HRS CODE 8 ON 3/17/18 STRIPES 601H

20" CONDUCTER SET @ 146'
13 3/8" SURFACE: SET @ 437' W/FC @ 394' CIRC 31 BBLS CMT
10 3/4" 1 INTERMEDIATE: SET @ 4965' NO CMT TO SUF
7 5/8" 2 INTERMEDIATE SET @11,895' (5BBLS CEMEMENT TO SURFACE) F/C @11849' W/ BAFFLE,. CONTINGENCY BAFFLE @ 4937', DV/ECP @ 4825'
5 1/2" PRODUCTION: SET @

OBM LOST TO WELL (LAST 24 HRS / TOTAL BBLS): 72 BBLS / 580 BBLS
OBM LOST BEHIND CASING: 0 BBLS
OBM LOST: 0 BBLS TO FORMATION
OBM LOST: 41 BBLS TO CUTTINGS
OBM LOST: 32 BBLS TO CLEANING PITS,DISCHARGE OVER SHAKERS, LOST ON DISPLACEMENT, SURFACE LOSSES, CENTRIFUGE LOSSES
ADDITIONS- 110 BBL
OBM RECOVERED FROM NOV DRYER SHAKERS -0 BBL/ 0 BBLS RECOVERED TO DATE.
STARTING OBM VOLUME: 2027 BBLS TOTAL VOLUME: 2,299 BBLS
TRANSFERRED OUT 0 BBLS

STARTING RIG FUEL: RIG = 1754 GALS TRANSFERED FROM PEGUSAS 23-35-16 #251 0 GALS OBM DIESEL, 0 GALS AUX. DIESEL

DIESEL USAGE:
RIG FUEL ( DAILY/TOTAL ): 990 / 22,621 GALS
MUD DIESEL ( DAILY/TOTAL ): 1890 / 16445 GALS
AUXILIARY EQUIPMENT (DAILY/TOTAL): 0 / 1751 GALS
CERTARUS CNG (DAILY/ TOTAL) 521.52 MCF / 23,472.67 TOTAL MCF
---
ORIGINAL TARGET LINE - @ 11,755' TVD 90° 163.73° AZM
PLAN 2 CHANGED 03-27-18 @ 11,810' TVD 90° 163.73° AZM
PLAN 3 CHANGED 03-27-18 @ 11,840' TVD 90 DEGREES
PLAN #4 CHANGED 04/04/18 @ VS=0', inclination= 91.00 degrees, at TVD = 11,869.1'
PLAN #5 CHANGED 04/08/18 @ VS=0', INCLINATION=92° @ 11,942.5' TVD
---
***NO LEAKS OR SPILLS REPORTED OR OBSERVED***
---
BHA #7:BIT #7 -6.75" GTC63C SER# 129837714 W/ 6-12' S TFA= .566 // 4.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.83° ( 6/7 LOBE, 6.4 STG., .80 REV/GAL )FLOAT SUB// NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 4.75" NMDC PONY// X-OVER 3 1/2 IF X CET 43 /90 JOINTS OF CET 43 DP / X-OVER CET 43 X XT39// AGITATOR// X-OVER XT39 X CET 43 = TOT. LGTH. =2936.18 // BIT TO BEND 4.83 // BIT TO SURVEY 53' // BIT TO GAMMA 50.19' // DEPTH IN 11,900' // DEPTH OUT XXXXXX' // FTG. DRILLED XXX' // TOTAL DRLG HRS. XX.XXX // TOTAL MTR HRS. XX // AVG R.O.P. XX.XX FPH // REASON PULLED = XXXXXX, BIT GRADE= XXXXXXX

BHA#6 BIT #6 -9.875" CF613 SER# 35567 W/ 5-16S 1-18'S TFA= 1.2303 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 2.12° ( 4/5 LOBE, 5.3 STG., .253 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY// XO /30 JOINTS OF DP / 27 JNTS HWDP = TOT. LGTH. = 1856.24' // BIT TO BEND 6.41 // BIT TO SURVEY 52' // BIT TO GAMMA 48.96' // DEPTH IN 11,121' // DEPTH OUT 11,900' // FTG. DRILLED 779' // TOTAL DRLG HRS. 23.5 // TOTAL MTR HRS. 28 // AVG R.O.P. 33.1 FPH // REASON PULLED = CASING POINT, BIT GRADE= 2-4-CT-S-I-BT-TD

RE-RUN BHA #5: BIT #5-9.875" CF613 SER# 34734 W/ 5-16'S & 1-18 TFA= 1.2305 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1179.01' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 10,213" // DEPTH OUT 11,121' // FTG. DRILLED 908' // TOTAL DRLG HRS. 29.5 // TOTAL MTR HRS. 31.5 // AVG R.O.P. 30.8 FPH // REASON PULLED = KOP/BHA // BIT GRADE= 1-2-CT-S-I-CT-BHA

BHA #5: BIT #4-9.875" CF717 SER# 36022 W/ 7-16'S TFA= 1.3744 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1179.01' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 8563' // DEPTH OUT 10213' // FTG. DRILLED 1650' // TOTAL DRLG HRS. 45 // TOTAL MTR HRS. 50 // AVG R.O.P. 36.3 FPH // REASON PULLED = LOW ROP, BIT GRADE= 8-4-BT-A-I-CT-PR

BHA #4: BIT #3-9.875" SMITH XZ616 SER# JN7079 W/ 6-16'S TFA= 1.767 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1178.28' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 4970' // DEPTH OUT 8563' // FTG. DRILLED 3583' // TOTAL DRLG HRS. 36.5 // TOTAL MTR HRS. 39.5 // AVG R.O.P. 98.4 FPH // REASON PULLED = LOW PR// BIT GRADE= 8-2-CR-N-1-CT-PR

BHA #3: BIT #2-12.250" SMITH XS716S SER# ED1338 W/ 2-14'S & 5 X 15'S TFA= 1.163 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 11.25 OD IBS // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // = TOT. LGTH. = 370.23' // BIT TO BEND 6.43 // BIT TO SURVEY 57' // BIT TO GAMMA 52.81' // DEPTH IN 445' // DEPTH OUT 4970' // FTG. DRILLED 4525' // TOTAL DRLG HRS. 62 // TOTAL MTR HRS. 68 // AVG R.O.P. 72.2 FPH // REASON PULLED = TD CASING POINT ? // BIT GRADE= 1-5-BT-S-1-BT-TD

BHA #2: RE-RUN BIT #1-17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" BIT

SUB // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 253.16' // BIT TO SURVEY 48' // BIT TO GAMMA 31' // DEPTH IN 300' // DEPTH OUT 445' // FTG. DRILLED 145' // TOTAL DRLG HRS. 3.5 // TOTAL MTR HRS. N/A // AVG R.O.P. 41.4 FPH // REASON PULLED = TD // BIT GRADE=1-2-NO-G-I-NO-TD

BHA #1: 17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 278.09' // BIT TO BEND 6.43' // BIT TO SURVEY 76' // BIT TO GAMMA 59' // DEPTH IN 146' // DEPTH OUT 300' // FTG. DRILLED 154' // TOTAL DRLG HRS. 15.5 // TOTAL MTR HRS. 18 // AVG R.O.P. 9.94 FPH // REASON PULLED = P-RATE // BIT GRADE = 1-2-NO-G-I-NO-PR

## Solids Removal

### Shakers

| Shaker # | Bottom | Middle | Top |
|---|---|---|---|

### Other Solids Removal Equipment

| Item | Hrs Run | Intake Density (lbs/gal) | Overflow Density (lbs/gal) | Underflow Density (lbs/gal) |
|---|---|---|---|---|

## Mud Log

Formation :

Background Gas : 110 UNITS

Connection Gas : 202

Flare Length : N/A

Trip Calc :

## Well Incident

Report # :

Incident Date :

Report Date :

Problem Name :

# Daily Drilling Report P1

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 32 Report Date : 4/11/2018

**Financials**

Daily Cost : $55,193 Cost to Date : $3,020,690

AFE # : PB18100002

AFE : $10,772,650 AFE Cost to Date : $3,020,690

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A Event Sub Type : Drilling Prod

A.M. Ops : FINISH TOH F/8310' -T/ BHA, DRAIN MOTOR, BREAK OFF BIT, SWITCH OUT MWD, PICKING UP BHA #8

Ops Forecast : P/U & TGEST BHA #8, TIH, RESUME DRILLING 6 3/4" PROD LATERAL TOWARD TD 21,630" +/-

24hr. Summary : DRILD 6 3/4" PRODUCTION LATERAL F/18,531' - T/19,129' (598' @ 41.2 FPH) MW 12.8 PPG, CBU, TOH FOR BHA #8

Planning Status :

**Elevations**

GL 2773.00 ft Reserve Pit Freeboard : 0.00 ft

**Progress**

Days from Spud : 26 Progress : 598.00 ft MD at Report Time : 19129.00 ft

Rig on Location (days) : 32 Est. TD : 21599.00 ft TVD At Report Time : 11679.74 ft

**Event Dates**

| Spud Date | Spud Time | Suspended Drilling Date | Resume Drilling Date | Total Depth Date | Total Depth Time | Finished Drilling Date | Finished Drilling Time | Rig Released Date | Rig Released Time |
|---|---|---|---|---|---|---|---|---|---|
| 3/16/2018 | 19:00 | | | | | | | | |

**Time Breakdown**

Start Time : 00:00 Initial Depth : 0.00 ft Drilling Hours : 14.50 Total Drilling Hours : 439.50 Total Hours : 24.00 Time Code : TRIPPING -

Drilling % : 60.42 Rotating % : 93.10 Sliding % : 6.90

| Start Time | End Time | Hours | Phase | Activity | | NPT | Bit # | Run # | Depth (ft) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Time Code | Description | | | | | |
| 00:00 | 03:00 | 3.00 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 07 | 1 | 18646.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 18, 531' - T/ 18, 646' ( 115 @ 38. 3' FPH ) WOB 20/ 22K // RPM 40 // GPM 247 // MRPM 197 // SPP 3550 PSI. // DIFF 650 PSI. // TQ. 14K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 03:00 | 06:00 | 3.00 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 07 | 1 | 18763.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 18, 646' - T/ 18, 763' ( 117 @ 39' FPH ) WOB 20/ 22K // RPM 40 // GPM 247 // MRPM 197 // SPP 3550 PSI. // DIFF 650 PSI. // TQ. 14K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 06:00 | 06:30 | 0.50 | DRLPRL | 02M | DRILLING - DRILLING - SLIDING | No | 07 | 1 | 18773.00 | SLIDE DRILL 6. 750" PROD LATERAL// F/ 18, 763' - T/ 18, 773' ( 10' @ 20 FPH ) TF: 180 // WOB 20K // GPM 247 // MRPM 197 // SPP 3150 PSI., DIFF 150/ 250 PSI. DRILLING DOWN FLOW LINE// NO GAINS/ NO LOSSES |
| 06:30 | 09:30 | 3.00 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 07 | 1 | 18915.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 18, 773' - T/ 18, 915' ( 142 @ 47. 3' FPH ) WOB 20/ 22K // RPM 40 // GPM 247 // MRPM 197 // SPP 3650 PSI. // DIFF 650/ 750 PSI. // TQ. 15K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 09:30 | 12:30 | 3.00 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 07 | 1 | 19044.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 18, 915' - T/ 19, 044' ( 129 @ 43' FPH ) WOB 20/ 22K // RPM 40 // GPM 247 // MRPM 197 // SPP 3650 PSI. // DIFF 650/ 750 PSI. // TQ. 15K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 12:30 | 13:00 | 0.50 | DRLPRL | 02M | DRILLING - DRILLING - SLIDING | No | 07 | 1 | 19044.00 | SLIDE DRILL 6. 750" PROD LATERAL// F/ 19, 044' - T/ 19, 044' ( 0' @ 0 FPH ) TF: 180 // WOB 20K // GPM 247 // MRPM 197 // SPP 3150 PSI., DIFF 150/ 250 PSI. DRILLING DOWN FLOW LINE// NO GAINS/ NO LOSSES. NOTE ATTEMPT TO SLIDE, COULD NOT GET TOOL FACE TO HOLD AND STACKING OUT WEIGHT, HAD NO SUCCESS ROCKING PIPE. RESUME ROTATING |
| 13:00 | 14:30 | 1.50 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 07 | 1 | 19129.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 19, 044' - T/ 19, 129' ( 85' @ 56. 6' FPH ) WOB 18/ 20K // RPM 40 // GPM 247 // MRPM 197 // SPP 3650 PSI. // DIFF 650/ 750 PSI. // TQ. 15K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 14:30 | 17:00 | 2.50 | DRLPRL | 07C | C & C MUD - PRIOR TO TRIP | No | 07 | 1 | 19129.00 | CIRC 2 BOTTOMS UP, WORKING PIPE 90' WHILE PUMPING CLEAN UP CYCLE. |
| 17:00 | 17:30 | 0.50 | DRLPRL | 07I | C & C MUD - FLOW CHECK | No | 07 | 1 | 19129.00 | FLOW CHECK, WELL STATIC, SLUG DP WITH 75 BBLS 15 PPG KILL MUD F/ B 10 BBLS ACTIVE |
| 17:30 | 18:00 | 0.50 | DRLPRL | 08A | TRIPPING - BIT/ BHA | No | 07 | 1 | 19129.00 | TOH F/ 19, 129' - T/ 18, 658', RIG SERVES ST - 80 |
| 18:00 | 19:00 | 1.00 | DRLPRL | 10A | LUB RIG - DAILY SERVICE | No | 07 | 1 | 19129.00 | REPLACE HYDRAULIC HOSE ON ST - 80 |
| 19:00 | 00:00 | 5.00 | DRLPRL | 08A | TRIPPING - BIT/ BHA | No | 07 | 1 | 19129.00 | TOH F/ 18, 658' - T/ 8310, HAD NO ISSUES TOH THROUGH LATERAL, HOLE TAKING PROPER FILL. |

**Personnel Hours**

| Vendor | Vendor Type | Number Of People | Hours On Site | Total Hours |
|---|---|---|---|---|
| NEWLAND CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| AES DRILLING FLUIDS LLC | MUD ENGINEER | 1 | 24.00 | 24.00 |
| SCANDRILL INC | RIG CREWS | 12 | 24.00 | 288.00 |
| SCANDRILL INC | TOOLPUSHER | 1 | 24.00 | 24.00 |
| PHOENIX DIRECTIONAL DRILLERS | 4- MAN CREW | 4 | 24.00 | 96.00 |

| | | | | |
|---|---|---|---|---|
| INDUSTRIAL & OILFIELD SERVICES INC | CONSULTANT | 1 | 24.00 | 24.00 |
| NOV PROCESS & FLOW TECHNOLOGIES US, INC. | 2- MAN CREW | 2 | 24.00 | 48.00 |
| CRESCENT CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |

**Rig Information**

| | | | | | |
|---|---|---|---|---|---|
| KB Elevation: | 2798.00 ft | KB To GL : | 25.00 ft | | |
| Rig(s) for today : | Scan Texas | Rig Manager : | ROCKY BROUMLEY | Rig Phone : | 432-400-2272 |
| Date and Time of Rig Release : | | Days From Rig Release : | 0.00 | Rig Fax : | |

**Safety**

| | | | | | |
|---|---|---|---|---|---|
| Last BOP Test(F) Date : | 4/2/2018 | Last BOP Pressure : | 8500.000 psi | Last Lot Fit : | 14.50 |
| Last Csg Date : | 4/1/2018 | Last Csg Pressure : | 1500.000 psi | Last Spills Reported : | |
| Last BOP Drill Date : | 4/5/2018 | Last Test MW : | 12.90 | Last Accidents : | |
| Last Fire Drill : | | Last Test TVD : | 11717.00 ft | Last Safety Meeting : | 4/11/2018 18:00 |
| Last Evac Drill : | | Last Test Pressure : | 977.000 psi | Last Safety Meeting Topic : | MAKING CONNECTIONS / BIT TRIP |

**Contacts**

| | | | | | |
|---|---|---|---|---|---|
| Day Sup. : | NICK NEWLAND | Phone : | 405-761-3414 | Superintendent : | SANTOS MOROLES | Phone : | 432-559-4901 |
| Night Sup. : | BRIAN EHRENBERG | Phone : | | Geologist : | ALBERT BONDURANT | Phone : | 205.568.5467 |
| Alt. Phone : | | | | Drill. Eng. : | BRANNON SMITH | Phone : | 432-818-1777 |

**Attachments**

Daily Attachment Folder(s)

# Daily Drilling Report P2

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 32 Report Date : 4/11/2018

## Operations

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

## Mud Data

Mud Engineer : CLAY RICH Mud Type : Oil Base Mud Polymer Type :

| Chk | Time | Depth (ft) | Density (lbs/gal) | FV (s/qt) | YP (lbs/100 ft²) | PV (cP) | WL (cc/30 min) | Cl (ppm) | Electro Static Stability | Oil Ratio | H2O Ratio | HTHP Water Loss(cc/30 min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:00 | 19129. | 12.90000 | 66.00 | 14 | 23.00 | 0.0 | 39000 | 472.0 | 75 | 25 | 5.6 |

## Bit Data

| Bit # | Run # | Size (in) | Mfg. | Model | IADC Code | Daily Drilled (ft) | Daily Hours | Daily ROP (ft/hr) | Cum Drilled (ft) | Cum Hrs. | Avg. ROP (ft/hr) | Depth In (ft) | Depth Out (ft) | Max WOB (M Lbs) | PSI Drop (psi) | Nozzle Velocity (ft/s) | HHP (HP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07 | 1 | 6.750 | HALIBURTON | GTD63 | | 598.00 | 14.50 | 41.24 | 7229.00 | 199.00 | 36.33 | 18531.00 | 19129.00 | 0.000 | 165.139 | 119.64 | 23.82 |

## BHA Data

For Bit # : 07 Mud Motor : Total Made : 598 ft

Total BHA Hours : 455.5 Total Hours : 14.50

BHA # : 07 DC OD : 4.750 in DP OD : 4.500 in BHA Length : 2936.18 ft BHA Weight 0.00 M Lbs

| Item | Jts | Length (ft) | OD (in) | ID (in) | Coupling OD (in) | Weight (lbs/ft) | Thread Type | Pin/Box |
|---|---|---|---|---|---|---|---|---|
| BITS | 1 | 1.00 | 6.750 | 0.000 | 0.000 | 0.000 | 3 1/2 REG | Pin |
| MUD MOTOR | 1 | 25.80 | 4.750 | 0.000 | 0.000 | 0.000 | 3 1/2 IF | Box |
| FLOAT SUB | 1 | 2.46 | 4.870 | 2.460 | 0.000 | 0.000 | 3 1/2 IF | Box |
| NON- MAG COLLAR | 1 | 14.20 | 4.740 | 2.740 | 0.000 | 0.000 | 3 1/2 IF | Box |
| SUBS | 1 | 1.61 | 4.800 | 2.670 | 0.000 | 0.000 | 3 1/2 IF | Box |
| SUBS | 1 | 3.42 | 5.200 | 0.000 | 0.000 | 0.000 | 3 1/2 | Box |
| SUBS | 1 | 8.34 | 5.240 | 0.000 | 0.000 | 0.000 | 3 1/2 | Box |
| SUBS | 1 | 3.78 | 5.150 | 0.000 | 0.000 | 0.000 | 3 1/2 | Box |
| NON- MAG COLLAR | 1 | 29.20 | 4.630 | 2.710 | 0.000 | 0.000 | 3 1/2 | Box |
| CROSSOVER SUB | 1 | 4.03 | 5.450 | 2.670 | 0.000 | 0.000 | 3 1/2 IF | Box |
| DRILLPIPE | 90 | 2824.96 | 4.750 | 0.000 | 0.000 | 0.000 | CET 43 | Box |
| CROSSOVER SUB | 1 | 2.95 | 5.390 | 0.000 | 0.000 | 0.000 | CET 43 X XT39 | Box |
| AGITATOR | 1 | 12.43 | 5.000 | 0.000 | 0.000 | 0.000 | XT-39 | Box |
| CROSSOVER SUB | 1 | 2.00 | 5.400 | 0.000 | 0.000 | 0.000 | XT39 X CET 43 | Box |

## Drilling Parameters

| Bit # | Run # | Depth (ft) | WOB (M Lbs) | RPM | | GPM | Torque | | String Weight | | | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Motor | Rotary | | On Bom (ft lbf) | Off Bom (ft lbf) | Pick Up (lbs) | Stack Off (lbs) | Rotate (lbs) | On Bom (psi) | Off Bom (psi) | Diff Press. (psi) |

## Pump Data

| Bit # | Pump 1 | | | | | Pump 2 | | | | | Pump Pressure (psi) | AV DC (ft/min) | AV DP (ft/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | | | |
| 07 | BOMCO 1600 | 12.000 | 5.000 | 85 | 247.122 | BOMCO 1600 | 12.000 | 5.000 | 0 | 0.000 | 3450.00 | 263 | 239 |

## Reduced Speed Pumps

| Depth(ft) | Pump 1 | | | Pump 2 | | |
|---|---|---|---|---|---|---|
| | Model | Pressure (psi) | SPM | Model | Pressure (psi) | SPM |
| 18658.00 | BOMCO 1600 | 940.0 | 30 | BOMCO 1600 | 1040.0 | 30 |
| 18658.00 | BOMCO 1600 | 1100.0 | 40 | BOMCO 1600 | 1080.0 | 40 |

# Daily Drilling Report P3

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 32 Report Date : 4/11/2018

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

**Drill Bottom Hole Targets**

| Bottom Hole Location | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Survey Data**

| Depth (ft) | Deviation | Azimuth | TVD (ft) | N/S | N/S (ft) | E/W | E/W (ft) | Vertical Section (ft) | Dog Leg |
|---|---|---|---|---|---|---|---|---|---|
| 18605.00 | 90.65 | 164.4 | 11687.72 | | -6800.51 | | 2017.39 | 7093.36 | 1.16 |
| 18700.00 | 92.42 | 165.9 | 11685.17 | | -6892.28 | | 2041.77 | 7188.29 | 2.37 |
| 18794.00 | 90.87 | 165.1 | 11682.47 | | -6983.24 | | 2065.34 | 7282.21 | 1.80 |
| 18888.00 | 90.39 | 163.6 | 11681.44 | | -7073.74 | | 2090.71 | 7376.19 | 1.67 |
| 18983.00 | 90.39 | 166.0 | 11680.79 | | -7165.39 | | 2115.66 | 7471.17 | 2.47 |
| 19078.00 | 90.88 | 167.1 | 11679.74 | | -7257.76 | | 2137.83 | 7566.05 | 1.24 |

**Hook Loads**

| | | |
|---|---|---|
| Up : | 245 | |
| Down : | 120 | |
| Rotating : | 180 | |
| Torque : | 0 | Amps |
| Torque : | 15000.00 | ft lbf |

**Comments**

UL 20 STRIPES 38-47-601H RIG MOBILIZATION BEGAN: 3/11/18 @ 13:00HRS.
RIG ON DAYRATE @ 04:30 HRS, 03/16/2018
SPUD WELL @ 1900 HRS, 03-16-18
(108 HR. RIG MOVE)
RELEASED RIG OFF OF PEGASUS 23-35-16#251H ON 03/11/18 @ 13:00 HRS .

NOTIFIED TRRC: SPUD/SURFACE: 03/15/17,10 AM, MICHELLE, JOB #123292
NOTIFIED TRRC: INTERMENT-03/22/18, 6:00AM, NAOMI, JOB # 123292
NOTIFIED TRRC: 2ND INTERMEDIATE: 03-31-18, 8:00AM, AUDREY OP 2, JOB#123292
NOTIFIED TRRC: PRODUCTION: XXXX

RESUMED DRILLING OPERATIONAL HRS. = 582 ( 25.29 DAYS)

UL 20 STRIPES 38-47 601H: INSPECT 372 OF 372 JOINTS OF SCAN RIG PIPE BY RED RIVER TO DS1 CAT-4 PLUS UTEA, HAVE 293 JTS PREMIUM READY (7 JTS NEED HARDBANDING) 71 JTS ACCEPTED PREMIUM READY NEEDING SHOP REPAIR 18 BOXES & 52 PINS FOR PITTING & 1 PIN FOR HANDLING DAMAGE// (3 JT CLASS II RED BAND (INTERNAL PITTING), 3 JT CLASS III RED BAND (INTERNAL EMI/UTI), 2 JTS CLASS V SURFACE CRACKS ON PIN. (71 JOINTS SENT IN FOR REPAIRS AND 8 JOINTS REPLACED BY SCAN). ALSO INSPECTED 115 JTS SCAN 5" RENTAL DP ,114 JTS PREMIUM READY, 1 JOINT BEND PREMIUM READY.

DAYS SINCE LAST LTA: (1272 DAYS ): LAST OSHA RECORDABLE INCIDENT: ( 509 )

CREW SHORTAGES ( LAST 24HRS / TOTAL HRS ): 0 / 0
CREW DOUBLES (LAST 24 HRS / TOTAL HRS): 0 / 0
NON PRODUCTIVE TIME (LAST 24HRS / TOTAL HRS): 0 HRS. / 11.5 HRS.
RIG DOWNTIME CODE 8: (LAST 24 HRS / TOTAL HRS ON WELL) – 0 HRS / 1.5 HRS
1.5 HRS CODE 8 ON 3/17/18 STRIPES 601H

20" CONDUCTER SET @ 146'
13 3/8" SURFACE: SET @ 437' W/FC @ 394' CIRC 31 BBLS CMT
10 3/4" 1 INTERMEDIATE: SET @ 4965' NO CMT TO SUF
7 5/8" 2 INTERMEDIATE SET @11,895' (5BBLS CEMEMENT TO SURFACE) F/C @11849' W/ BAFFLE,. CONTINGENCY BAFFLE @ 4937', DV/ECP @ 4825'
5 1/2" PRODUCTION: SET @

OBM LOST TO WELL (LAST 24 HRS / TOTAL BBLS): 67 BBLS / 647 BBLS
OBM LOST BEHIND CASING: 0 BBLS
OBM LOST: 0 BBLS TO FORMATION
OBM LOST: 29 BBLS TO CUTTINGS
OBM LOST: 32 BBLS TO CLEANING PITS,DISCHARGE OVER SHAKERS, LOST ON DISPLACEMENT, SURFACE LOSSES, CENTRIFUGE LOSSES
ADDITIONS- 110 BBL
OBM RECOVERED FROM NOV DRYER SHAKERS -0 BBL/ 0 BBLS RECOVERED TO DATE.
STARTING OBM VOLUME: 2027 BBLS TOTAL VOLUME: 2,299 BBLS
TRANSFERRED OUT 0 BBLS

STARTING RIG FUEL: RIG = 1754 GALS TRANSFERED FROM PEGUSAS 23-35-16 #251 0 GALS OBM DIESEL, 0 GALS AUX. DIESEL

DIESEL USAGE:
RIG FUEL ( DAILY/TOTAL ): 990 / 23611GALS
MUD DIESEL ( DAILY/TOTAL ): 1201 / 17963 GALS
AUXILIARY EQUIPMENT (DAILY/TOTAL): 0 / 1751 GALS
CERTARUS CNG (DAILY/ TOTAL) 1155.63 MCF / 24,628.30 TOTAL MCF
---
ORIGINAL TARGET LINE - @ 11,755' TVD 90° 163.73° AZM
PLAN 2 CHANGED 03-27-18 @ 11,810' TVD 90° 163.73° AZM
PLAN 3 CHANGED 03-27-18 @ 11,840' TVD 90 DEGREES
PLAN #4 CHANGED 04/04/18 @ VS=0', inclination= 91.00 degrees, at TVD = 11,869.1'
PLAN #5 CHANGED 04/08/18 @ VS=0', INCLINATION=92° @ 11,942.5' TVD
---
***NO LEAKS OR SPILLS REPORTED OR OBSERVED***
_____
BHA #8:BIT #7 -6.75" GTC63C SER# 12951220 W/ 6-12' S TFA= .566 // 4.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.83° ( 6/7 LOBE, 6.4 STG., .80 REV/GAL )FLOAT SUB// NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 4.75" NMDC PONY// X-OVER 3 1/2 IF X CET 43 /90 JOINTS OF CET 43 DP / X-OVER CET 43 X XT39// AGITATOR// X-OVER XT39 X CET 43 // 246 JOINTS CET-43 DP // 30 JOINTS CET-43 HWDP = TOT. LGTH. = 11564.88 // BIT TO BEND 5.83 // BIT TO SURVEY 53' // BIT TO GAMMA 49.98' // DEPTH IN 19,129' // DEPTH OUT XXXXXX' // FTG. DRILLED XXX' // TOTAL DRLG HRS. XX.XXX // TOTAL MTR HRS. XX // AVG R.O.P. XX.XX FPH // REASON PULLED = XXXXXX, BIT GRADE= XXXXXXX

BHA #7:BIT #7 -6.75" GTC63C SER# 129837714 W/ 6-12' S TFA= .566 // 4.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.83° ( 6/7 LOBE, 6.4 STG., .80 REV/GAL )FLOAT SUB// NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 4.75" NMDC PONY// X-OVER 3 1/2 IF X CET 43 /90 JOINTS OF CET 43 DP / X-OVER CET 43 X XT39// AGITATOR// X-OVER XT39 X CET 43 = TOT. LGTH. =2936.18 // BIT TO BEND 4.83 // BIT TO SURVEY 53' // BIT TO GAMMA 50.19' // DEPTH IN 11,900' // DEPTH OUT 19,129' // FTG. DRILLED 7229' // TOTAL DRLG HRS. 199 // TOTAL MTR HRS. 201.5 // AVG R.O.P. 36.3 FPH // REASON PULLED = HOURS, BIT GRADE= 4-2-FC-N-I-BT-HR

BHA#6 BIT #6 -9.875" CF613 SER# 35567 W/ 5-16S 1-18'S TFA= 1.2303 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 2.12° ( 4/5 LOBE, 5.3 STG., .253 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY// XO /30 JOINTS OF DP / 27 JNTS HWDP = TOT. LGTH. = 1856.24' // BIT TO BEND 6.41 // BIT TO SURVEY 52' // BIT TO GAMMA 48.96' // DEPTH IN 11,121' // DEPTH OUT 11,900' // FTG. DRILLED 779' // TOTAL DRLG HRS. 23.5 // TOTAL MTR HRS. 28 // AVG R.O.P. 33.1 FPH // REASON PULLED = CASING POINT, BIT GRADE= 2-4-CT-S-I-BT-TD

RE-RUN BHA #5: BIT #5-9.875" CF613 SER# 34734 W/ 5-16'S & 1-18 TFA= 1.2305 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1179.01' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 10,213" // DEPTH OUT 11,121' // FTG. DRILLED 908' // TOTAL DRLG HRS. 29.5 // TOTAL MTR HRS. 31.5 // AVG R.O.P. 30.8 FPH // REASON PULLED = KOP/BHA // BIT GRADE= 1-2-CT-S-I-CT-BHA

BHA #5: BIT #4-9.875" CF717 SER# 36022 W/ 7-16'S TFA= 1.3744 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1179.01' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 8563' // DEPTH OUT 10213' // FTG. DRILLED 1650' // TOTAL DRLG HRS. 45 // TOTAL MTR HRS. 50 // AVG R.O.P. 36.3 FPH // REASON PULLED = LOW ROP, BIT GRADE= 8-4-BT-A-I-CT-PR

BHA #4: BIT #3-9.875" SMITH XZ616 SER# JN7079 W/ 6-16'S TFA= 1.767 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1178.28' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 4970' // DEPTH OUT 8563' // FTG. DRILLED 3583' // TOTAL DRLG HRS. 36.5 // TOTAL MTR HRS. 39.5 // AVG R.O.P. 98.4 FPH // REASON PULLED = LOW PR// BIT GRADE= 8-2-CR-N-1-CT-PR

BHA #3: BIT #2-12.250" SMITH XS716S SER# ED1338 W/ 2-14'S & 5 X 15'S TFA= 1.163 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 11.25 OD IBS // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // = TOT. LGTH. = 370.23' // BIT TO BEND 6.43 // BIT TO SURVEY 57' // BIT TO GAMMA 52.81' // DEPTH IN 445' // DEPTH OUT 4970' // FTG. DRILLED 4525' // TOTAL DRLG HRS. 62 // TOTAL MTR HRS. 68 // AVG R.O.P. 72.2 FPH // REASON PULLED = TD CASING POINT ? // BIT GRADE= 1-5-BT-S-1-BT-TD

BHA #2: RE-RUN BIT #1-17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" BIT SUB // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 253.16' // BIT TO SURVEY 48' // BIT TO GAMMA 31' // DEPTH IN 300' // DEPTH OUT 445' // FTG. DRILLED 145' // TOTAL DRLG HRS. 3.5 // TOTAL MTR HRS. N/A // AVG R.O.P. 41.4 FPH // REASON PULLED = TD // BIT GRADE=1-2-NO-G-I-NO-TD

BHA #1: 17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 278.09' // BIT TO BEND 6.43' // BIT TO SURVEY 76' // BIT TO GAMMA 59' // DEPTH IN 146' // DEPTH OUT 300' // FTG. DRILLED 154' // TOTAL DRLG HRS. 15.5 // TOTAL MTR HRS. 18 // AVG R.O.P. 9.94 FPH // REASON PULLED = P-RATE // BIT GRADE = 1-2-NO-G-I-NO-PR

## Solids Removal

### Shakers

| Shaker # | Bottom | Middle | Top |
|---|---|---|---|

### Other Solids Removal Equipment

| Item | Hrs Run | Intake Density (lbs/gal) | Overflow Density (lbs/gal) | Underflow Density (lbs/gal) |
|---|---|---|---|---|

## Mud Log

Formation :

Background Gas : 190

Connection Gas : 206

Flare Length :

Trip Calc :

## Well Incident

Report # :

Incident Date :

Report Date :

Problem Name :

# Daily Drilling Report P1

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 33 Report Date : 4/12/2018

**Financials**

Daily Cost : $114,090 Cost to Date : $3,134,780

AFE # : PB18100002

AFE : $10,772,650 AFE Cost to Date : $3,134,780

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A Event Sub Type : Drilling Prod

A.M. Ops : DRILD 6 3/4" PRODUCTION LATERAL F/19,225' - T/19,407' ( 182' @ 33 FPH) MW 12.8 PPG

Ops Forecast : DRILL 6 3/4" PRODUCTION LATERAL TOWARD TD @ 21,598' +/-

24hr. Summary : FINISH TOH W/BHA #7, P/U BHA #8, TIH T/11,846', SLIP/CUT DRLG LINE, TIH, RESUME DRLG 6 3/4" LATERAL F/19,129' -T/19,225'

Planning Status :

**Elevations**

GL 2773.00 ft Reserve Pit Freeboard : 0.00 ft

**Progress**

Days from Spud : 27 Progress : 96.00 ft MD at Report Time : 19225.00 ft

Rig on Location (days) : 33 Est. TD : 21599.00 ft TVD At Report Time : 11678.43 ft

**Event Dates**

| Spud Date | Spud Time | Suspended Drilling Date | Resume Drilling Date | Total Depth Date | Total Depth Time | Finished Drilling Date | Finished Drilling Time | Rig Released Date | Rig Released Time |
|---|---|---|---|---|---|---|---|---|---|
| 3/16/2018 | 19:00 | | | | | | | | |

**Time Breakdown**

Start Time : 00:00 Initial Depth : 0.00 ft Drilling Hours : 4.00 Total Drilling Hours : 443.50 Total Hours : 24.00 Time Code : DRILLING -

Drilling % : 16.67 Rotating % : 62.50 Sliding % : 37.50

| Start Time | End Time | Hours | Phase | Activity | | NPT | Bit # | Run # | Depth (ft) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Time Code | Description | | | | | |
| 00:00 | 04:00 | 4.00 | DRLPRL | 08A | TRIPPING - BIT/ BHA | No | 07 | 1 | 19129.00 | FINISH TOH F/ 8310' - T/ BHA # 7 WITH NO ISSUES, HOLE TAKING PROPER FILL. |
| 04:00 | 05:30 | 1.50 | DRLPRL | 08A | TRIPPING - BIT/ BHA | No | 07 | 1 | 19129.00 | PULL TO BIT, MOTOR DRAINED GOOD, BREAK OFF BIT ( GRADED: 4-2-FC-N-I-BT-HR, STARTING TO CORE OUT), L/ D MWD, MWD CARRIER, & MOTOR |
| 05:30 | 07:00 | 1.50 | DRLPRL | 08A | TRIPPING - BIT/ BHA | No | 08 | 1 | 19129.00 | P/ U NEW MWD CARRIER, MWD, MOTOR & BIT # 8, SCRIBE AND TEST DIRECTIONAL TOOLS ( OK). TIH WITH BHA # 8 AS FOLLOWS: BIT # 8 - 6. 75" HALLIBURTON GTC63C SER# 12951220 W/ 6 - 12' S TFA= .. 6627 // 5" ( MAX OD 5. 36") PHOENIX/ NOV FIXED MUD MOTOR SET @ 1. 83° ( 6/ 7 LOBE, 6. 4 STG., . 80 REV/ GAL ) // FLOAT SUB // NMPC // XO // VELOCITY= ( XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // NMDC // X - OVER 3 1/ 2 IF X CET 43 // 90 JOINTS CET 43 DP // X - OVER CET 43 X XT39 // AMEGA WEST 5" AGITATOR // X - OVER XT39 X CET 43 // 246 JOINTS CET - 43 DP // 30 JOINTS CET - 43 HWDP = TOT. LGTH. = 11564. 88 // BIT TO BEND 5. 83' // BIT TO SURVEY 53' // BIT TO GAMMA 49. 98' |
| 07:00 | 08:00 | 1.00 | DRLPRL | 08A | TRIPPING - BIT/ BHA | No | 08 | 1 | 19129.00 | TIH F/ 93' T/ 2900', P/ U AGITATOR ( TEST PRESSURE BELOW 650 PSI / ABOVE 780 PSI @ 50 STKS/ MIN) CONTINUE TIH |
| 08:00 | 11:00 | 3.00 | DRLPRL | 08A | TRIPPING - BIT/ BHA | No | 08 | 1 | 19129.00 | TIH F/ 2900' - T/ 7361', FILLING PIPE EVERY 30 STANDS, MONITOR DISPLACEMENT ON TRIP TANK |
| 11:00 | 11:30 | 0.50 | DRLPRL | 10A | LUB RIG - DAILY SERVICE | No | 08 | 1 | 19129.00 | RIG SERVICE HYDRAULIC HOSE ON ST - 80 |
| 11:30 | 14:00 | 2.50 | DRLPRL | 08A | TRIPPING - BIT/ BHA | No | 08 | 1 | 19129.00 | CONTINUE TIH F/ 7361' - T/ 11, 846' W/ NO ISSUES |
| 14:00 | 14:30 | 0.50 | DRLPRL | 39A | OTHER - OTHER | No | 08 | 1 | 19129.00 | INSTALL ROTATING HEAD |
| 14:30 | 15:30 | 1.00 | DRLPRL | 12A | SLIP & CUT DRLG LINE - LINE | No | 08 | 1 | 19120.00 | SLIP & CUT 10 WRAP DRLG LINE |
| 15:30 | 19:30 | 4.00 | DRLPRL | 08A | TRIPPING - BIT/ BHA | No | 08 | 1 | 19120.00 | CONTINUE TIH F/ 11, 846' - T/ 19039' W/ NO ISSUES |
| 19:30 | 20:00 | 0.50 | DRLPRL | 04B | REAMING - PRECAUTIONARY | No | 08 | 1 | 19120.00 | SAFETY WASH F/ 19, 039' - T/ 19, 120' WOB 2/ 3K // RPM 40 // GPM 247 // MRPM 197 // SPP 3550 PSI. // DIFF 0 PSI. // WASHING DOWN FLOW LINE // NO GAINS // NO LOSSES. |
| 20:00 | 20:30 | 0.50 | DRLPRL | 02D | DRILLING - MTR/ TURB - DIR/ HORZ | No | 08 | 1 | 19136.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 19, 120' - T/ 19, 136' ( 7' @ 14' FPH ) WOB 2/ 5K // RPM 40 // GPM 247 // MRPM 197 // SPP 3350 PSI. // DIFF 300 PSI. // TQ. 15K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES / BRAKE IN BIT. |
| 20:30 | 22:00 | 1.50 | DRLPRL | 02M | DRILLING - DRILLING - SLIDING | No | 08 | 1 | 19151.00 | SLIDE DRILL 6. 750" PROD LATERAL// F/ 19, 136' - T/ 19, 151' ( 15' @ 10 FPH ) TF: 80L // WOB 20K // GPM 247 // MRPM 197 // SPP 3350 PSI., DIFF 250/ 300 PSI. DRILLING DOWN FLOW LINE// NO GAINS/ NO LOSSES. |
| 22:00 | 00:00 | 2.00 | DRLPRL | 02D | DRILLING - MTR/ TURB - DIR/ HORZ | No | 08 | 1 | 19225.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 19, 151' - T/ 19, 225' ( 74' @ 37 FPH ) WOB 24K // RPM 40 // GPM 247 // MRPM 197 // SPP 3550 PSI. // DIFF 800 PSI. // TQ. 14K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |

**Personnel Hours**

| Vendor | Vendor Type | Number Of People | Hours On Site | Total Hours |
|---|---|---|---|---|
| NEWLAND CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| AES DRILLING FLUIDS LLC | MUD ENGINEER | 1 | 24.00 | 24.00 |
| SCANDRILL INC | RIG CREWS | 12 | 24.00 | 288.00 |

| | | | | |
|---|---|---|---|---|
| SCANDRILL INC | TOOLPUSHER | 1 | 24.00 | 24.00 |
| PHOENIX DIRECTIONAL DRILLERS | 4- MAN CREW | 4 | 24.00 | 96.00 |
| INDUSTRIAL & OILFIELD SERVICES INC | CONSULTANT | 1 | 24.00 | 24.00 |
| NOV PROCESS & FLOW TECHNOLOGIES US, INC. | 2- MAN CREW | 2 | 24.00 | 48.00 |
| CRESCENT CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |

**Rig Information**

| | | | | | |
|---|---|---|---|---|---|
| KB Elevation: | 2798.00 ft | KB To GL : | 25.00 ft | | |
| Rig(s) for today : | Scan Texas | Rig Manager : | ROCKY BROUMLEY | Rig Phone : | 432-400-2272 |
| Date and Time of Rig Release : | | Days From Rig Release : | 0.00 | Rig Fax : | |

**Safety**

| | | | | | |
|---|---|---|---|---|---|
| Last BOP Test(F) Date : | 4/2/2018 | Last BOP Pressure : | 8500.000 psi | Last Lot Fit : | 14.50 |
| Last Csg Date : | 4/1/2018 | Last Csg Pressure : | 1500.000 psi | Last Spills Reported : | |
| Last BOP Drill Date : | 4/5/2018 | Last Test MW : | 12.90 | Last Accidents : | |
| Last Fire Drill : | | Last Test TVD : | 11717.00 ft | Last Safety Meeting : | 4/12/2018 18:00 |
| Last Evac Drill : | | Last Test Pressure : | 977.000 psi | Last Safety Meeting Topic : | HAND PLACEMENT / WORKING AS A |

**Contacts**

| | | | | | |
|---|---|---|---|---|---|
| Day Sup. : | NICK NEWLAND | Phone : | 405-761-3414 | Superintendent : | SANTOS MOROLES | Phone : | 432-559-4901 |
| Night Sup. : | BRIAN EHRENBERG | Phone : | | Geologist : | ALBERT BONDURANT | Phone : | 205.568.5467 |
| Alt. Phone : | | | | Drill. Eng. : | BRANNON SMITH | Phone : | 432-818-1777 |

**Attachments**

Daily Attachment Folder(s)

# Daily Drilling Report P2

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 33 Report Date : 4/12/2018

## Operations

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

## Mud Data

Mud Engineer : CLAY RICH Mud Type : Water Base Mud Polymer Type :

| Chk | Time | Depth (ft) | Density (lbs/gal) | FV (s/qt) | YP (lbs/100 ft²) | PV (cP) | WL (cc/30 min) | Cl (ppm) | Electro Static Stability | Oil Ratio | H2O Ratio | HTHP Water Loss(cc/30 min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:12 | 19129. | 12.90000 | 65.00 | 14 | 23.00 | 0.0 | 40000 | 470.0 | 75 | 25 | 5.6 |

## Bit Data

| Bit # | Run # | Size (in) | Mfg. | Model | IADC Code | Daily Drilled (ft) | Daily Hours | Daily ROP (ft/hr) | Cum Drilled (ft) | Cum Hrs. | Avg. ROP (ft/hr) | Depth In (ft) | Depth Out (ft) | Max WOB (M Lbs) | PSI Drop (psi) | Nozzle Velocity (ft/s) | HHP (HP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07 | 1 | 6.750 | HALIBURTON | GTD63 | | 0.00 | 0.00 | 0.00 | 7229.00 | 199.00 | 36.33 | 19129.00 | 19129.00 | 24.000 | 0.000 | 0.00 | 0.00 |
| 08 | 1 | 6.750 | HALIBURTON | GTD63 | | 105.00 | 4.00 | 26.25 | 105.00 | 4.00 | 26.25 | 19129.00 | 19225.00 | 20.000 | 165.139 | 119.64 | 23.82 |

## BHA Data

For Bit # : 07 Mud Motor : Total Made : 0 ft

Total BHA Hours : 460.0 Total Hours : 0.00

BHA # : DC OD : 4.750 in DP OD : 4.500 in BHA Length : 0.00 ft BHA Weight 0.00 M Lbs

| Item | Jts | Length (ft) | OD (in) | ID (in) | Coupling OD (in) | Weight (lbs/ft) | Thread Type | Pin/Box |
|---|---|---|---|---|---|---|---|---|

## Drilling Parameters

| Bit # | Run # | Depth (ft) | WOB (M Lbs) | RPM | | GPM | Torque | | String Weight | | | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Motor | Rotary | | On Bom (ft lbf) | Off Bom (ft lbf) | Pick Up (lbs) | Stack Off (lbs) | Rotate (lbs) | On Bom (psi) | Off Bom (psi) | Diff Press. (psi) |
| 07 | 1 | 0.00 | 24.000 | 240 | 40 | 247 | 14000.00 | 5000.00 | 230 | 120 | 145 | 3550.0 | 2875.0 | 675.0 |

## Pump Data

| Bit # | Pump 1 | | | | | Pump 2 | | | | | Pump Pressure (psi) | AV DC (ft/min) | AV DP (ft/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | | | |
| 07 | BOMCO 1600 | 12.000 | 5.000 | 0 | 0.000 | BOMCO 1600 | 12.000 | 5.000 | 0 | 0.000 | 0.00 | 0 | 0 |
| 08 | BOMCO 1600 | 12.000 | 5.000 | 85 | 247.122 | BOMCO 1600 | 12.000 | 5.000 | 0 | 0.000 | 3350.00 | 263 | 239 |

## Reduced Speed Pumps

| Depth(ft) | Pump 1 | | | Pump 2 | | |
|---|---|---|---|---|---|---|
| | Model | Pressure (psi) | SPM | Model | Pressure (psi) | SPM |
| 19151.00 | BOMCO 1600 | 980.0 | 30 | BOMCO 1600 | 1000.0 | 30 |
| 19151.00 | BOMCO 1600 | 1010.0 | 40 | BOMCO 1600 | 1150.0 | 40 |

# Daily Drilling Report P3

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 33 Report Date : 4/12/2018

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

**Drill Bottom Hole Targets**

| Bottom Hole Location | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Survey Data**

| Depth (ft) | Deviation | Azimuth | TVD (ft) | N/S | N/S (ft) | E/W | E/W (ft) | Vertical Section (ft) | Dog Leg |
|---|---|---|---|---|---|---|---|---|---|
| 19140.00 | 91.55 | 167.6 | 11678.43 | | -7318.23 | | 2151.46 | 7627.91 | 1.33 |

**Hook Loads**

| | | |
|---|---|---|
| Up : | 240 | |
| Down : | 140 | |
| Rotating : | 185 | |
| Torque : | 0 | Amps |
| Torque : | 15000.00 | ft lbf |

**Comments**

UL 20 STRIPES 38-47-601H RIG MOBILIZATION BEGAN: 3/11/18 @ 13:00HRS.
RIG ON DAYRATE @ 04:30 HRS, 03/16/2018
SPUD WELL @ 1900 HRS, 03-16-18
(108 HR. RIG MOVE)
RELEASED RIG OFF OF PEGASUS 23-35-16#251H ON 03/11/18 @ 13:00 HRS .

NOTIFIED TRRC: SPUD/SURFACE: 03/15/17,10 AM, MICHELLE, JOB #123292
NOTIFIED TRRC: INTERMENT-03/22/18, 6:00AM, NAOMI, JOB # 123292
NOTIFIED TRRC: 2ND INTERMEDIATE: 03-31-18, 8:00AM, AUDREY OP 2, JOB#123292
NOTIFIED TRRC: PRODUCTION: XXXX

RESUMED DRILLING OPERATIONAL HRS. = 629 ( 26.29 DAYS)

UL 20 STRIPES 38-47 601H: INSPECT 372 OF 372 JOINTS OF SCAN RIG PIPE BY RED RIVER TO DS1 CAT-4 PLUS UTEA, HAVE 293 JTS PREMIUM READY (7 JTS NEED HARDBANDING) 71 JTS ACCEPTED PREMIUM READY NEEDING SHOP REPAIR 18 BOXES & 52 PINS FOR PITTING & 1 PIN FOR HANDLING DAMAGE// (3 JT CLASS II RED BAND (INTERNAL PITTING), 3 JT CLASS III RED BAND (INTERNAL EMI/UTI), 2 JTS CLASS V SURFACE CRACKS ON PIN. (71 JOINTS SENT IN FOR REPAIRS AND 8 JOINTS REPLACED BY SCAN). ALSO INSPECTED 115 JTS SCAN 5" RENTAL DP ,114 JTS PREMIUM READY, 1 JOINT BEND PREMIUM READY.

DAYS SINCE LAST LTA: (1273 DAYS ): LAST OSHA RECORDABLE INCIDENT: ( 510 )

CREW SHORTAGES ( LAST 24HRS / TOTAL HRS ): 0 / 0
CREW DOUBLES (LAST 24 HRS / TOTAL HRS): 0 / 0
NON PRODUCTIVE TIME (LAST 24HRS / TOTAL HRS): 0 HRS. / 11.5 HRS.
RIG DOWNTIME CODE 8: (LAST 24 HRS / TOTAL HRS ON WELL) – 0 HRS / 1.5 HRS
1.5 HRS CODE 8 ON 3/17/18 STRIPES 601H

20" CONDUCTER SET @ 146'
13 3/8" SURFACE: SET @ 437' W/FC @ 394' CIRC 31 BBLS CMT
10 3/4" 1 INTERMEDIATE: SET @ 4965' NO CMT TO SUF
7 5/8" 2 INTERMEDIATE SET @11,895' (5BBLS CEMEMENT TO SURFACE) F/C @11849' W/ BAFFLE,. CONTINGENCY BAFFLE @ 4937', DV/ECP @ 4825'
5 1/2" PRODUCTION: SET @

OBM LOST TO WELL (LAST 24 HRS / TOTAL BBLS): 21 BBLS / 647 BBLS
OBM LOST BEHIND CASING: 0 BBLS
OBM LOST: 0 BBLS TO FORMATION
OBM LOST: 0 BBLS TO CUTTINGS
OBM LOST: 32 BBLS TO CLEANING PITS,DISCHARGE OVER SHAKERS, LOST ON DISPLACEMENT, SURFACE LOSSES, CENTRIFUGE LOSSES
ADDITIONS- 110 BBL
OBM RECOVERED FROM NOV DRYER SHAKERS -0 BBL/ 0 BBLS RECOVERED TO DATE.
STARTING OBM VOLUME: 2027 BBLS TOTAL VOLUME: 2,281 BBLS
TRANSFERRED OUT 0 BBLS

STARTING RIG FUEL: RIG = 1754 GALS TRANSFERED FROM PEGUSAS 23-35-16 #251 0 GALS OBM DIESEL, 0 GALS AUX. DIESEL

DIESEL USAGE:
RIG FUEL ( DAILY/TOTAL ): 605 / 24216 GALS
MUD DIESEL ( DAILY/TOTAL ): 0 / 17963 GALS
AUXILIARY EQUIPMENT (DAILY/TOTAL): 0 / 1751 GALS
CERTARUS CNG (DAILY/ TOTAL) 804.19 MCF / 25,432.49 TOTAL MCF
---
ORIGINAL TARGET LINE - @ 11,755' TVD 90° 163.73° AZM
PLAN 2 CHANGED 03-27-18 @ 11,810' TVD 90° 163.73° AZM
PLAN 3 CHANGED 03-27-18 @ 11,840' TVD 90 DEGREES
PLAN #4 CHANGED 04/04/18 @ VS=0', inclination= 91.00 degrees, at TVD = 11,869.1'
PLAN #5 CHANGED 04/08/18 @ VS=0', INCLINATION=92° @ 11,942.5' TVD
---
***NO LEAKS OR SPILLS REPORTED OR OBSERVED***
_____
BHA #8: = BIT #8 -6.75" HALLIBURTON GTC63C SER# 12951220 W/ 6-12' S TFA= ..6627 // 5' (MAX OD 5.36")
PHOENIX/NOV FIXED MUD MOTOR SET @ 1.83° ( 6/7 LOBE, 6.4 STG., .80 REV/GAL ) // FLOAT SUB // NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // NMDC // X-OVER 3 1/2 IF X CET 43 // 90 JOINTS CET 43 DP // X-OVER CET 43 X XT39 // AMEGA WEST 5" AGITATOR // X-OVER XT39 X CET 43 // 246 JOINTS CET-43 DP // 30 JOINTS CET-43 HWDP = TOT. LGTH. = 11564.88 // BIT TO BEND 5.83' // BIT TO SURVEY 53' // BIT TO GAMMA 49.98' // DEPTH IN 19,129' // DEPTH OUT XXXXXX' // FTG. DRILLED XXX' // TOTAL DRLG HRS. XX.XXX // TOTAL MTR HRS. XX // AVG R.O.P. XX.XX FPH // REASON PULLED = XXXXXX // BIT GRADE= XXXXXXX

BHA #7:BIT #7 -6.75" GTC63C SER# 129837714 W/ 6-12' S TFA= .566 // 4.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.83° ( 6/7 LOBE, 6.4 STG., .80 REV/GAL )FLOAT SUB// NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 4.75" NMDC PONY// X-OVER 3 1/2 IF X CET 43 /90 JOINTS OF CET 43 DP / X-OVER CET 43 X XT39// AGITATOR// X-OVER XT39 X CET 43 = TOT. LGTH. =2936.18 // BIT TO BEND 4.83 // BIT TO SURVEY 53' // BIT TO GAMMA 50.19' // DEPTH IN 11,900' // DEPTH OUT 19,129' // FTG. DRILLED 7229' // TOTAL DRLG HRS. 199 // TOTAL MTR HRS. 208.5 // AVG R.O.P. 36.3 FPH // REASON PULLED = HOURS // BIT GRADE= 4-2-FC-N-I-BT-HR

BHA#6 BIT #6 -9.875" CF613 SER# 35567 W/ 5-16S 1-18'S TFA= 1.2303 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 2.12° ( 4/5 LOBE, 5.3 STG., .253 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY// XO /30 JOINTS OF DP / 27 JNTS HWDP = TOT. LGTH. = 1856.24' // BIT TO BEND 6.41 // BIT TO SURVEY 52' // BIT TO GAMMA 48.96' // DEPTH IN 11,121' // DEPTH OUT 11,900' // FTG. DRILLED 779' // TOTAL DRLG HRS. 23.5 // TOTAL MTR HRS. 28 // AVG R.O.P. 33.1 FPH // REASON PULLED = CASING POINT, BIT GRADE= 2-4-CT-S-I-BT-TD

RE-RUN BHA #5: BIT #5-9.875" CF613 SER# 34734 W/ 5-16'S & 1-18 TFA= 1.2305 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1179.01' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 10,213" // DEPTH OUT 11,121' // FTG. DRILLED 908' // TOTAL DRLG HRS. 29.5 // TOTAL MTR HRS. 31.5 // AVG R.O.P. 30.8 FPH // REASON PULLED = KOP/BHA // BIT GRADE= 1-2-CT-S-I-CT-BHA

BHA #5: BIT #4-9.875" CF717 SER# 36022 W/ 7-16'S TFA= 1.3744 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1179.01' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 8563' // DEPTH OUT 10213' // FTG. DRILLED 1650' // TOTAL DRLG HRS. 45 // TOTAL MTR HRS. 50 // AVG R.O.P. 36.3 FPH // REASON PULLED = LOW ROP, BIT GRADE= 8-4-BT-A-I-CT-PR

BHA #4: BIT #3-9.875" SMITH XZ616 SER# JN7079 W/ 6-16'S TFA= 1.767 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1178.28' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 4970' // DEPTH OUT 8563' // FTG. DRILLED 3583' // TOTAL DRLG HRS. 36.5 // TOTAL MTR HRS. 39.5 // AVG R.O.P. 98.4

FPH // REASON PULLED = LOW PR// BIT GRADE= 8-2-CR-N-1-CT-PR

BHA #3: BIT #2-12.250" SMITH XS716S SER# ED1338 W/ 2-14'S & 5 X 15'S TFA= 1.163 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 11.25 OD IBS // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // = TOT. LGTH. = 370.23' // BIT TO BEND 6.43 // BIT TO SURVEY 57' // BIT TO GAMMA 52.81' // DEPTH IN 445' // DEPTH OUT 4970' // FTG. DRILLED 4525' // TOTAL DRLG HRS. 62 // TOTAL MTR HRS. 68 // AVG R.O.P. 72.2 FPH // REASON PULLED = TD CASING POINT ? // BIT GRADE= 1-5-BT-S-1-BT-TD

BHA #2: RE-RUN BIT #1-17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" BIT SUB // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 253.16' // BIT TO SURVEY 48' // BIT TO GAMMA 31' // DEPTH IN 300' // DEPTH OUT 445' // FTG. DRILLED 145' // TOTAL DRLG HRS. 3.5 // TOTAL MTR HRS. N/A // AVG R.O.P. 41.4 FPH // REASON PULLED = TD // BIT GRADE=1-2-NO-G-I-NO-TD

BHA #1: 17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 278.09' // BIT TO BEND 6.43' // BIT TO SURVEY 76' // BIT TO GAMMA 59' // DEPTH IN 146' // DEPTH OUT 300' // FTG. DRILLED 154' // TOTAL DRLG HRS. 15.5 // TOTAL MTR HRS. 18 // AVG R.O.P. 9.94 FPH // REASON PULLED = P-RATE // BIT GRADE = 1-2-NO-G-I-NO-PR

## Solids Removal

### Shakers

| Shaker # | Bottom | Middle | Top |
|---|---|---|---|

### Other Solids Removal Equipment

| Item | Hrs Run | Intake Density (lbs/gal) | Overflow Density (lbs/gal) | Underflow Density (lbs/gal) |
|---|---|---|---|---|

## Mud Log

Formation :

Background Gas : 50

Connection Gas : 0

Flare Length : 0

Trip Calc :

## Well Incident

Report # :

Incident Date :

Report Date :

Problem Name :

# Daily Drilling Report P1

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 34 Report Date : 4/13/2018

**Financials**

Daily Cost : $85,225 Cost to Date : $3,220,005

AFE # : PB18100002

AFE : $10,772,650 AFE Cost to Date : $3,220,005

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A Event Sub Type : Drilling Prod

A.M. Ops : DRILD 6 3/4" PRODUCTION LATERAL F/20,072' - T/20,340' ( 268' @ 48.7 FPH) MW 12.7+ PPG

Ops Forecast : DRILL 6 3/4" PRODUCTION LATERAL TOWARD TD @ 21,630' +/-

24hr. Summary : DRLG 6 3/4" LATERAL F/19,225' -T/20,072' (847' @ 36' FPH) MW 12.7+ PPG

Planning Status :

**Elevations**

GL 2773.00 ft Reserve Pit Freeboard : 0.00 ft

**Progress**

Days from Spud : 28 Progress : 847.00 ft MD at Report Time : 20072.00 ft

Rig on Location (days) : 34 Est. TD : 21599.00 ft TVD At Report Time : 11639.99 ft

**Event Dates**

| Spud Date | Spud Time | Suspended Drilling Date | Resume Drilling Date | Total Depth Date | Total Depth Time | Finished Drilling Date | Finished Drilling Time | Rig Released Date | Rig Released Time |
|---|---|---|---|---|---|---|---|---|---|
| 3/16/2018 | 19:00 | | | | | | | | |

**Time Breakdown**

Start Time : 00:00 Initial Depth : 0.00 ft Drilling Hours : 23.50 Total Drilling Hours : 467.00 Total Hours : 24.00 Time Code : DRILLING -

Drilling % : 97.92 Rotating % : 68.09 Sliding % : 31.91

| Start Time | End Time | Hours | Phase | Activity Time Code | Activity Description | NPT | Bit # | Run # | Depth (ft) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| 00:00 | 01:30 | 1.50 | DRLPRL | 02M | DRILLING - DRILLING - SLIDING | No | 08 | 1 | 19255.00 | SLIDE DRILL 6. 750" PROD LATERAL// F/ 19, 225' - T/ 19, 255' ( 30' @ 20 FPH ) TF: 50L // WOB 20K // GPM 247 // MRPM 197 // SPP 3350 PSI., DIFF 250/ 300 PSI. DRILLING DOWN FLOW LINE// NO GAINS/ NO LOSSES. |
| 01:30 | 05:00 | 3.50 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 08 | 1 | 19391.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 19, 255' - T/ 19, 391' ( 136' @ 38. 8 FPH ) WOB 21K // RPM 40 // GPM 247 // MRPM 197 // SPP 3800 PSI. // DIFF 600 PSI. // TQ. 15K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 05:00 | 06:30 | 1.50 | DRLPRL | 02M | DRILLING - DRILLING - SLIDING | No | 08 | 1 | 19425.00 | SLIDE DRILL 6. 750" PROD LATERAL// F/ 19, 391' - T/ 19, 425' ( 34' @ 22. 6 FPH ) TF: 90L // WOB 20K // GPM 247 // MRPM 197 // SPP 3350 PSI., DIFF 250/ 300 PSI. DRILLING DOWN FLOW LINE// NO GAINS/ NO LOSSES. |
| 06:30 | 10:00 | 3.50 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 08 | 1 | 19578.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 19, 425' - T/ 19, 578' ( 153' @ 43. 7 FPH ) WOB 21K // RPM 40 // GPM 247 // MRPM 197 // SPP 3800 PSI. // DIFF 600 PSI. // TQ. 15K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 10:00 | 11:30 | 1.50 | DRLPRL | 02M | DRILLING - DRILLING - SLIDING | No | 08 | 1 | 19603.00 | SLIDE DRILL 6. 750" PROD LATERAL// F/ 19, 578' - T/ 19, 603' ( 25' @ 16. 6 FPH ) TF: 45R // WOB 20K // GPM 247 // MRPM 197 // SPP 36000 PSI., DIFF 400 PSI. DRILLING DOWN FLOW LINE// NO GAINS/ NO LOSSES. |
| 11:30 | 13:00 | 1.50 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 08 | 1 | 19673.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 19, 603' - T/ 19, 673' ( 70' @ 46. 6 FPH ) WOB 21K // RPM 40 // GPM 247 // MRPM 197 // SPP 3800 PSI. // DIFF 600 PSI. // TQ. 15K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 13:00 | 15:00 | 2.00 | DRLPRL | 02M | DRILLING - DRILLING - SLIDING | No | 08 | 1 | 19703.00 | SLIDE DRILL 6. 750" PROD LATERAL// F/ 19, 673' - T/ 19, 703' ( 30' @ 15 FPH ) TF: 90R // WOB 20K // GPM 247 // MRPM 197 // SPP 36000 PSI., DIFF 400 PSI. DRILLING DOWN FLOW LINE// NO GAINS/ NO LOSSES. |
| 15:00 | 17:00 | 2.00 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 08 | 1 | 19767.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 19, 703' - T/ 19, 767' ( 64' @ 32 FPH ) WOB 21K // RPM 40 // GPM 247 // MRPM 197 // SPP 3800 PSI. // DIFF 600 PSI. // TQ. 15K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 17:00 | 17:30 | 0.50 | DRLPRL | 10A | LUB RIG - DAILY SERVICE | No | 08 | 1 | 19767.00 | SERVICE RIG // TOP DRIVE // DRAWORKS. |
| 17:30 | 21:00 | 3.50 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 08 | 1 | 19953.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 19, 767' - T/ 19, 953' ( 186' @ 53. 1 FPH ) WOB 21K // RPM 40 // GPM 247 // MRPM 197 // SPP 3800 PSI. // DIFF 600 PSI. // TQ. 15K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 21:00 | 23:00 | 2.00 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 08 | 1 | 20053.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 19, 953' - T/ 20, 053' ( 100' @ 50 FPH ) WOB 21K // RPM 40 // GPM 247 // MRPM 197 // SPP 3800 PSI. // DIFF 600 PSI. // TQ. 15K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 23:00 | 00:00 | 1.00 | DRLPRL | 02M | DRILLING - DRILLING - SLIDING | No | 08 | 1 | 20072.00 | SLIDE DRILL 6. 750" PROD LATERAL// F/ 20, 053' - T/ 20, 072' ( 19' @ 19 FPH ) TF: 180 // WOB 20K // GPM 247 // MRPM 197 // SPP 36000 PSI., DIFF 400 PSI. DRILLING DOWN FLOW LINE// NO GAINS/ NO LOSSES. |

**Personnel Hours**

| Vendor | Vendor Type | Number Of People | Hours On Site | Total Hours |
|---|---|---|---|---|
| NEWLAND CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |

| | | | | |
|---|---|---|---|---|
| AES DRILLING FLUIDS LLC | MUD ENGINEER | 1 | 24.00 | 24.00 |
| SCANDRILL INC | RIG CREWS | 12 | 24.00 | 288.00 |
| SCANDRILL INC | TOOLPUSHER | 1 | 24.00 | 24.00 |
| PHOENIX DIRECTIONAL DRILLERS | 4- MAN CREW | 4 | 24.00 | 96.00 |
| INDUSTRIAL & OILFIELD SERVICES INC | CONSULTANT | 1 | 24.00 | 24.00 |
| NOV PROCESS & FLOW TECHNOLOGIES US, INC. | 2- MAN CREW | 2 | 24.00 | 48.00 |
| CRESCENT CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |

**Rig Information**

| | | | | | |
|---|---|---|---|---|---|
| KB Elevation: | 2798.00 ft | KB To GL : | 25.00 ft | | |
| Rig(s) for today : | Scan Texas | Rig Manager : | ROCKY BROUMLEY | Rig Phone : | 432-400-2272 |
| Date and Time of Rig Release : | | Days From Rig Release : | 0.00 | Rig Fax : | |

**Safety**

| | | | | | |
|---|---|---|---|---|---|
| Last BOP Test(F) Date : | 4/2/2018 | Last BOP Pressure : | 8500.000 psi | Last Lot Fit : | 14.50 |
| Last Csg Date : | 4/1/2018 | Last Csg Pressure : | 1500.000 psi | Last Spills Reported : | |
| Last BOP Drill Date : | 4/5/2018 | Last Test MW : | 12.90 | Last Accidents : | |
| Last Fire Drill : | | Last Test TVD : | 11717.00 ft | Last Safety Meeting : | 4/13/2018 18:00 |
| Last Evac Drill : | | Last Test Pressure : | 977.000 psi | Last Safety Meeting Topic : | WORKING IN HIGH WIND / PROPER F |

**Contacts**

| | | | | | |
|---|---|---|---|---|---|
| Day Sup. : | NICK NEWLAND | Phone : | 405-761-3414 | Superintendent : | SANTOS MOROLES | Phone : | 432-559-4901 |
| Night Sup. : | BRIAN EHRENBERG | Phone : | | Geologist : | ALBERT BONDURANT | Phone : | 205.568.5467 |
| Alt. Phone : | | | | Drill. Eng. : | BRANNON SMITH | Phone : | 432-818-1777 |

**Attachments**

Daily Attachment Folder(s)

# Daily Drilling Report P2

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 34 Report Date : 4/13/2018

## Operations

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

## Mud Data

Mud Engineer : CLAY RICH Mud Type : Water Base Mud Polymer Type :

| Chk | Time | Depth (ft) | Density (lbs/gal) | FV (s/qt) | YP (lbs/100 ft²) | PV (cP) | WL (cc/30 min) | Cl (ppm) | Electro Static Stability | Oil Ratio | H2O Ratio | HTHP Water Loss(cc/30 min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:00 | 19950. | 12.80000 | 63.00 | 15 | 22.00 | 5.0 | 25693 | 485.0 | 75 | 25 | 5.0 |

## Bit Data

| Bit # | Run # | Size (in) | Mfg. | Model | IADC Code | Daily Drilled (ft) | Daily Hours | Daily ROP (ft/hr) | Cum Drilled (ft) | Cum Hrs. | Avg. ROP (ft/hr) | Depth In (ft) | Depth Out (ft) | Max WOB (M Lbs) | PSI Drop (psi) | Nozzle Velocity (ft/s) | HHP (HP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 08 | 1 | 6.750 | HALIBURTON | GTD63 | | 847.00 | 23.50 | 36.04 | 952.00 | 27.50 | 34.62 | 19225.00 | 20072.00 | 20.000 | 163.855 | 119.64 | 23.63 |

## BHA Data

For Bit # : 08 Mud Motor : Total Made : 847 ft

Total BHA Hours : 483.5 Total Hours : 23.50

BHA # : 08 DC OD : 4.750 in DP OD : 4.500 in BHA Length : 11564.88 ft BHA Weight 0.00 M Lbs

| Item | Jts | Length (ft) | OD (in) | ID (in) | Coupling OD (in) | Weight (lbs/ft) | Thread Type | Pin/Box |
|---|---|---|---|---|---|---|---|---|
| BITS | 1 | 1.00 | 6.750 | 0.000 | 0.000 | 0.000 | 3 1/2 REG | Pin |
| MUD MOTOR | 1 | 25.65 | 4.750 | 0.000 | 0.000 | 0.000 | 3 1/2 IF | Box |
| FLOAT SUB | 1 | 2.46 | 4.870 | 2.460 | 0.000 | 0.000 | 3 1/2 IF | Box |
| NON- MAG COLLAR | 1 | 14.20 | 4.740 | 2.740 | 0.000 | 0.000 | 3 1/2 IF | Box |
| SUBS | 1 | 3.77 | 4.800 | 2.670 | 0.000 | 0.000 | 3 1/2 IF | Box |
| SUBS | 1 | 8.34 | 5.200 | 0.000 | 0.000 | 0.000 | 3 1/2 | Box |
| SUBS | 1 | 3.33 | 5.240 | 0.000 | 0.000 | 0.000 | 3 1/2 | Box |
| SUBS | 1 | 1.64 | 5.150 | 0.000 | 0.000 | 0.000 | 3 1/2 | Box |
| NON- MAG COLLAR | 1 | 29.20 | 4.630 | 2.710 | 0.000 | 0.000 | 3 1/2 | Box |
| CROSSOVER SUB | 1 | 4.03 | 5.450 | 2.670 | 0.000 | 0.000 | 3 1/2 IF | Box |
| DRILLPIPE | 90 | 2827.38 | 4.750 | 0.000 | 0.000 | 0.000 | CET 43 | Box |
| CROSSOVER SUB | 1 | 2.95 | 5.390 | 0.000 | 0.000 | 0.000 | CET 43 X XT39 | Box |
| AGITATOR | 1 | 12.41 | 5.000 | 0.000 | 0.000 | 0.000 | XT-39 | Box |
| CROSSOVER SUB | 1 | 2.00 | 5.400 | 0.000 | 0.000 | 0.000 | XT39 X CET 43 | Box |
| DRILLPIPE | 246 | 7714.33 | 4.450 | 2.670 | 0.000 | 0.000 | CET- 43 P1 - S135 | Box |
| HWDP | 30 | 912.19 | 5.010 | 2.750 | 0.000 | 0.000 | CET-43 | Box |

## Drilling Parameters

| Bit # | Run # | Depth (ft) | WOB (M Lbs) | RPM | | GPM | Torque | | String Weight | | | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Motor | Rotary | | On Bom (ft lbf) | Off Bom (ft lbf) | Pick Up (lbs) | Stack Off (lbs) | Rotate (lbs) | On Bom (psi) | Off Bom (psi) | Diff Press. (psi) |
| 08 | 1 | 20072.00 | 20.000 | 197 | 40 | 247 | 15.00 | 5000.00 | 240 | 140 | 185 | 3900.0 | 3250.0 | 650.0 |

## Pump Data

| Bit # | Pump 1 | | | | | Pump 2 | | | | | Pump Pressure (psi) | AV DC (ft/min) | AV DP (ft/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | | | |
| 08 | BOMCO 1600 | 12.000 | 5.000 | 85 | 247.122 | BOMCO 1600 | 12.000 | 5.000 | 0 | 0.000 | 3900.00 | 263 | 239 |

## Reduced Speed Pumps

| Depth(ft) | Pump 1 | | | Pump 2 | | |
|---|---|---|---|---|---|---|
| | Model | Pressure (psi) | SPM | Model | Pressure (psi) | SPM |
| 19665.00 | BOMCO 1600 | 1260.0 | 30 | BOMCO 1600 | 1100.0 | 30 |
| 19665.00 | BOMCO 1600 | 1400.0 | 40 | BOMCO 1600 | 1175.0 | 40 |

# Daily Drilling Report P3

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 34 Report Date : 4/13/2018

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

**Drill Bottom Hole Targets**

| Bottom Hole Location | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Survey Data**

| Depth (ft) | Deviation | Azimuth | TVD (ft) | N/S | N/S (ft) | E/W | E/W (ft) | Vertical Section (ft) | Dog Leg |
|---|---|---|---|---|---|---|---|---|---|
| 19234.00 | 93.15 | 167.0 | 11674.57 | | -7409.84 | | 2172.15 | 7721.65 | 1.77 |
| 19328.00 | 92.98 | 165.4 | 11669.54 | | -7500.99 | | 2194.57 | 7815.43 | 1.69 |
| 19423.00 | 91.81 | 161.7 | 11665.57 | | -7592.00 | | 2221.44 | 7910.33 | 3.98 |
| 19517.00 | 90.73 | 158.9 | 11663.49 | | -7680.48 | | 2253.08 | 8004.13 | 3.13 |
| 19612.00 | 91.69 | 160.2 | 11661.48 | | -7769.49 | | 2286.22 | 8098.85 | 1.67 |
| 19706.00 | 93.81 | 160.4 | 11656.97 | | -7857.90 | | 2317.82 | 8192.58 | 2.23 |
| 19800.00 | 93.69 | 163.8 | 11650.82 | | -7947.14 | | 2346.66 | 8286.32 | 3.46 |
| 19895.00 | 93.47 | 162.9 | 11644.89 | | -8037.96 | | 2373.87 | 8381.13 | 0.92 |
| 19990.00 | 92.44 | 163.0 | 11639.99 | | -8128.66 | | 2401.72 | 8476.00 | 1.07 |

**Hook Loads**

| | | |
|---|---|---|
| Up : | 240 | |
| Down : | 140 | |
| Rotating : | 185 | |
| Torque : | 0 | Amps |
| Torque : | 15000.00 | ft lbf |

**Comments**

UL 20 STRIPES 38-47-601H RIG MOBILIZATION BEGAN: 3/11/18 @ 13:00HRS.
RIG ON DAYRATE @ 04:30 HRS, 03/16/2018
SPUD WELL @ 1900 HRS, 03-16-18
(108 HR. RIG MOVE)
RELEASED RIG OFF OF PEGASUS 23-35-16#251H ON 03/11/18 @ 13:00 HRS .

NOTIFIED TRRC: SPUD/SURFACE: 03/15/17,10 AM, MICHELLE, JOB #123292
NOTIFIED TRRC: INTERMENT-03/22/18, 6:00AM, NAOMI, JOB # 123292
NOTIFIED TRRC: 2ND INTERMEDIATE: 03-31-18, 8:00AM, AUDREY OP 2, JOB#123292
NOTIFIED TRRC: PRODUCTION: XXXX

RESUMED DRILLING OPERATIONAL HRS. = 653 ( 27.29 DAYS)

UL 20 STRIPES 38-47 601H: INSPECT 372 OF 372 JOINTS OF SCAN RIG PIPE BY RED RIVER TO DS1 CAT-4 PLUS UTEA, HAVE 293 JTS PREMIUM READY (7 JTS NEED HARDBANDING) 71 JTS ACCEPTED PREMIUM READY NEEDING SHOP REPAIR 18 BOXES & 52 PINS FOR PITTING & 1 PIN FOR HANDLING DAMAGE// (3 JT CLASS II RED BAND (INTERNAL PITTING), 3 JT CLASS III RED BAND (INTERNAL EMI/UTI), 2 JTS CLASS V SURFACE CRACKS ON PIN. (71 JOINTS SENT IN FOR REPAIRS AND 8 JOINTS REPLACED BY SCAN). ALSO INSPECTED 115 JTS SCAN 5" RENTAL DP ,114 JTS PREMIUM READY, 1 JOINT BEND PREMIUM READY.

DAYS SINCE LAST LTA: (1274 DAYS ): LAST OSHA RECORDABLE INCIDENT: ( 511 )

CREW SHORTAGES ( LAST 24HRS / TOTAL HRS ): 0 / 0
CREW DOUBLES (LAST 24 HRS / TOTAL HRS): 0 / 0
NON PRODUCTIVE TIME (LAST 24HRS / TOTAL HRS): 0 HRS. / 11.5 HRS.
RIG DOWNTIME CODE 8: (LAST 24 HRS / TOTAL HRS ON WELL) – 0 HRS / 1.5 HRS
1.5 HRS CODE 8 ON 3/17/18 STRIPES 601H

20" CONDUCTER SET @ 146'
13 3/8" SURFACE: SET @ 437' W/FC @ 394' CIRC 31 BBLS CMT
10 3/4" 1 INTERMEDIATE: SET @ 4965' NO CMT TO SUF
7 5/8" 2 INTERMEDIATE SET @11,895' (5BBLS CEMEMENT TO SURFACE) F/C @11849' W/ BAFFLE,. CONTINGENCY BAFFLE @ 4937', DV/ECP @ 4825'
5 1/2" PRODUCTION: SET @

OBM LOST TO WELL (LAST 24 HRS / TOTAL BBLS): 132 BBLS / 779 BBLS
OBM LOST BEHIND CASING: 0 BBLS
OBM LOST: 42 BBLS TO FORMATION
OBM LOST: 45 BBLS TO CUTTINGS
OBM LOST: 32 BBLS TO CLEANING PITS,DISCHARGE OVER SHAKERS, LOST ON DISPLACEMENT, SURFACE LOSSES, CENTRIFUGE LOSSES
ADDITIONS- 117 BBL
OBM RECOVERED FROM NOV DRYER SHAKERS -0 BBL/ 0 BBLS RECOVERED TO DATE.
STARTING OBM VOLUME: 2027 BBLS TOTAL VOLUME: 2,266 BBLS
TRANSFERRED OUT 0 BBLS

STARTING RIG FUEL: RIG = 1754 GALS TRANSFERED FROM PEGUSAS 23-35-16 #251 0 GALS OBM DIESEL, 0 GALS AUX. DIESEL

DIESEL USAGE:
RIG FUEL ( DAILY/TOTAL ): 669 / 24885 GALS
MUD DIESEL ( DAILY/TOTAL ): 2885 / 20848 GALS
AUXILIARY EQUIPMENT (DAILY/TOTAL): 66 / 1817 GALS
CERTARUS CNG (DAILY/ TOTAL) 1152.93 MCF / 26,585.42 TOTAL MCF
---
ORIGINAL TARGET LINE - @ 11,755' TVD 90° 163.73° AZM
PLAN 2 CHANGED 03-27-18 @ 11,810' TVD 90° 163.73° AZM
PLAN 3 CHANGED 03-27-18 @ 11,840' TVD 90 DEGREES
PLAN #4 CHANGED 04/04/18 @ VS=0', inclination= 91.00 degrees, at TVD = 11,869.1'
PLAN #5 CHANGED 04/08/18 @ VS=0', INCLINATION=92° @ 11,942.5' TVD
---
***NO LEAKS OR SPILLS REPORTED OR OBSERVED***
---
BHA #8: = BIT #8 -6.75" HALLIBURTON GTC63C SER# 12951220 W/ 6-12' S TFA= ..6627 // 5' (MAX OD 5.36")
PHOENIX/NOV FIXED MUD MOTOR SET @ 1.83° ( 6/7 LOBE, 6.4 STG., .80 REV/GAL ) // FLOAT SUB // NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // NMDC // X-OVER 3 1/2 IF X CET 43 // 90 JOINTS CET 43 DP // X-OVER CET 43 X XT39 // AMEGA WEST 5" AGITATOR // X-OVER XT39 X CET 43 // 246 JOINTS CET-43 DP // 30 JOINTS CET-43 HWDP = TOT. LGTH. = 11564.88 // BIT TO BEND 5.83' // BIT TO SURVEY 53' // BIT TO GAMMA 49.98' // DEPTH IN 19,129' // DEPTH OUT XXXXXX' // FTG. DRILLED XXX' // TOTAL DRLG HRS. XX.XXX // TOTAL MTR HRS. XX // AVG R.O.P. XX.XX FPH // REASON PULLED = XXXXXX // BIT GRADE= XXXXXXX

BHA #7:BIT #7 -6.75" GTC63C SER# 129837714 W/ 6-12' S TFA= .566 // 4.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.83° ( 6/7 LOBE, 6.4 STG., .80 REV/GAL )FLOAT SUB// NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 4.75" NMDC PONY// X-OVER 3 1/2 IF X CET 43 /90 JOINTS OF CET 43 DP / X-OVER CET 43 X XT39// AGITATOR// X-OVER XT39 X CET 43 = TOT. LGTH. =2936.18 // BIT TO BEND 4.83 // BIT TO SURVEY 53' // BIT TO GAMMA 50.19' // DEPTH IN 11,900' // DEPTH OUT 19,129' // FTG. DRILLED 7229' // TOTAL DRLG HRS. 199 // TOTAL MTR HRS. 208.5 // AVG R.O.P. 36.3 FPH // REASON PULLED = HOURS // BIT GRADE= 4-2-FC-N-I-BT-HR

BHA#6 BIT #6 -9.875" CF613 SER# 35567 W/ 5-16S 1-18'S TFA= 1.2303 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 2.12° ( 4/5 LOBE, 5.3 STG., .253 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY// XO /30 JOINTS OF DP / 27 JNTS HWDP = TOT. LGTH. = 1856.24' // BIT TO BEND 6.41 // BIT TO SURVEY 52' // BIT TO GAMMA 48.96' // DEPTH IN 11,121' // DEPTH OUT 11,900' // FTG. DRILLED 779' // TOTAL DRLG HRS. 23.5 // TOTAL MTR HRS. 28 // AVG R.O.P. 33.1 FPH // REASON PULLED = CASING POINT, BIT GRADE= 2-4-CT-S-I-BT-TD

RE-RUN BHA #5: BIT #5-9.875" CF613 SER# 34734 W/ 5-16'S & 1-18 TFA= 1.2305 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1179.01' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 10,213" // DEPTH OUT 11,121' // FTG. DRILLED 908' // TOTAL DRLG HRS. 29.5 // TOTAL MTR HRS. 31.5 // AVG R.O.P. 30.8 FPH // REASON PULLED = KOP/BHA // BIT GRADE= 1-2-CT-S-I-CT-BHA

BHA #5: BIT #4-9.875" CF717 SER# 36022 W/ 7-16'S TFA= 1.3744 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1179.01' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 8563' // DEPTH OUT 10213' // FTG. DRILLED 1650' // TOTAL DRLG HRS. 45 // TOTAL MTR HRS. 50 // AVG R.O.P. 36.3 FPH // REASON PULLED = LOW ROP, BIT GRADE= 8-4-BT-A-I-CT-PR

BHA #4: BIT #3-9.875" SMITH XZ616 SER# JN7079 W/ 6-16'S TFA= 1.767 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1178.28' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 4970' // DEPTH OUT 8563' // FTG. DRILLED 3583' // TOTAL DRLG HRS. 36.5 // TOTAL MTR HRS. 39.5 // AVG R.O.P. 98.4

FPH // REASON PULLED = LOW PR// BIT GRADE= 8-2-CR-N-1-CT-PR

BHA #3: BIT #2-12.250" SMITH XS716S SER# ED1338 W/ 2-14'S & 5 X 15'S TFA= 1.163 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 11.25 OD IBS // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // = TOT. LGTH. = 370.23' // BIT TO BEND 6.43 // BIT TO SURVEY 57' // BIT TO GAMMA 52.81' // DEPTH IN 445' // DEPTH OUT 4970' // FTG. DRILLED 4525' // TOTAL DRLG HRS. 62 // TOTAL MTR HRS. 68 // AVG R.O.P. 72.2 FPH // REASON PULLED = TD CASING POINT ? // BIT GRADE= 1-5-BT-S-1-BT-TD

BHA #2: RE-RUN BIT #1-17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" BIT SUB // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 253.16' // BIT TO SURVEY 48' // BIT TO GAMMA 31' // DEPTH IN 300' // DEPTH OUT 445' // FTG. DRILLED 145' // TOTAL DRLG HRS. 3.5 // TOTAL MTR HRS. N/A // AVG R.O.P. 41.4 FPH // REASON PULLED = TD // BIT GRADE=1-2-NO-G-I-NO-TD

BHA #1: 17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 278.09' // BIT TO BEND 6.43' // BIT TO SURVEY 76' // BIT TO GAMMA 59' // DEPTH IN 146' // DEPTH OUT 300' // FTG. DRILLED 154' // TOTAL DRLG HRS. 15.5 // TOTAL MTR HRS. 18 // AVG R.O.P. 9.94 FPH // REASON PULLED = P-RATE // BIT GRADE = 1-2-NO-G-I-NO-PR

## Solids Removal

### Shakers

| Shaker # | Bottom | Middle | Top |
|---|---|---|---|

### Other Solids Removal Equipment

| Item | Hrs Run | Intake Density (lbs/gal) | Overflow Density (lbs/gal) | Underflow Density (lbs/gal) |
|---|---|---|---|---|

## Mud Log

Formation :
Background Gas : 100
Connection Gas : 150
Flare Length : 0
Trip Calc :

## Well Incident

Report # :
Incident Date :
Report Date :
Problem Name :

# Daily Drilling Report P1

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 35 Report Date : 4/14/2018

**Financials**

Daily Cost : $54,028 Cost to Date : $3,274,033

AFE # : PB18100002

AFE : $10,772,650 AFE Cost to Date : $3,274,033

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A Event Sub Type : Drilling Prod

A.M. Ops : DRILD 6 3/4" PRODUCTION LATERAL F/20,796' - T/20,940' ( 144' @ 28.8 FPH) MW 12.7 PPG

Ops Forecast : DRILL 6 3/4" PRODUCTION LATERAL TOWARD TD @ 21,630' +/-

24hr. Summary : DRLG 6 3/4" LATERAL F/20,072' -T/20,796' (724' @ 30.8' FPH) MW 12.7+ PPG

Planning Status :

**Elevations**

GL 2773.00 ft Reserve Pit Freeboard : 0.00 ft

**Progress**

Days from Spud : 29 Progress : 724.00 ft MD at Report Time : 20796.00 ft

Rig on Location (days) : 35 Est. TD : 21599.00 ft TVD At Report Time : 11631.15 ft

**Event Dates**

| Spud Date | Spud Time | Suspended Drilling Date | Resume Drilling Date | Total Depth Date | Total Depth Time | Finished Drilling Date | Finished Drilling Time | Rig Released Date | Rig Released Time |
|---|---|---|---|---|---|---|---|---|---|
| 3/16/2018 | 19:00 | | | | | | | | |

**Time Breakdown**

Start Time : 00:00 Initial Depth : 0.00 ft Drilling Hours : 23.50 Total Drilling Hours : 490.50 Total Hours : 24.00 Time Code : DRILLING -

Drilling % : 97.92 Rotating % : 59.57 Sliding % : 40.43

| Start Time | End Time | Hours | Phase | Activity Time Code | Activity Description | NPT | Bit # | Run # | Depth (ft) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| 00:00 | 01:30 | 1.50 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 08 | 1 | 20147.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 20, 072' - T/ 20, 147' ( 75' @ 50 FPH ) WOB 21K // RPM 40 // GPM 247 // MRPM 197 // SPP 3900 PSI. // DIFF 700 PSI. // TQ. 15K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 01:30 | 02:30 | 1.00 | DRLPRL | 02M | DRILLING - DRILLING - SLIDING | No | 08 | 1 | 20162.00 | SLIDE DRILL 6. 750" PROD LATERAL// F/ 20, 147' - T/ 20, 162' ( 15' @ 15 FPH ) TF: 150R // WOB 20K // GPM 247 // MRPM 197 // SPP 3600 PSI., DIFF 400 PSI. DRILLING DOWN FLOW LINE// NO GAINS/ NO LOSSES. |
| 02:30 | 06:00 | 3.50 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 08 | 1 | 20336.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 20, 162' - T/ 20, 336' ( 174' @ 49. 7 FPH ) WOB 21K // RPM 40 // GPM 247 // MRPM 197 // SPP 3900 PSI. // DIFF 700 PSI. // TQ. 15K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 06:00 | 08:00 | 2.00 | DRLPRL | 02M | DRILLING - DRILLING - SLIDING | No | 08 | 1 | 20368.00 | SLIDE DRILL 6. 750" PROD LATERAL// F/ 20, 336' - T/ 20, 368' ( 32' @ 16 FPH ) TF: 135L // WOB 20K // GPM 247 // MRPM 197 // SPP 3600 PSI., DIFF 250/ 300 PSI. DRILLING DOWN FLOW LINE// NO GAINS/ NO LOSSES. |
| 08:00 | 11:30 | 3.50 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 08 | 1 | 20521.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 20, 368' - T/ 20, 521' ( 153' @ 43. 7 FPH ) WOB 21K // RPM 40 // GPM 247 // MRPM 197 // SPP 3900 PSI. // DIFF 700 PSI. // TQ. 15K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 11:30 | 15:00 | 3.50 | DRLPRL | 02M | DRILLING - DRILLING - SLIDING | No | 08 | 1 | 20546.00 | SLIDE DRILL 6. 750" PROD LATERAL// F/ 20, 521' - T/ 20, 546' ( 25' @ 7 FPH ) TF: 45R // WOB 20K // GPM 247 // MRPM 197 // SPP 3450 PSI., DIFF 100/ 150 PSI. DRILLING DOWN FLOW LINE// NO GAINS/ NO LOSSES. ( NOTE: TARGET CHANGE TO PLAN # 6 = 0; VS @ 11, 718' TVD @ 90°) |
| 15:00 | 16:00 | 1.00 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 08 | 1 | 20607.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 20, 546' - T/ 20, 607' ( 61' @ 61 FPH ) WOB 21K // RPM 40 // GPM 247 // MRPM 197 // SPP 3900 PSI. // DIFF 700 PSI. // TQ. 15K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 16:00 | 16:30 | 0.50 | DRLPRL | 10A | LUB RIG - DAILY SERVICE | No | 08 | 1 | 20607.00 | RIG SERVICE & TAKE SLOW PUMP RATES |
| 16:30 | 19:00 | 2.50 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 08 | 1 | 20712.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 20, 607' - T/ 20, 712' ( 61' @ 61 FPH ) WOB 21K // RPM 40 // GPM 247 // MRPM 197 // SPP 3900 PSI. // DIFF 700 PSI. // TQ. 15K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 19:00 | 22:00 | 3.00 | DRLPRL | 02M | DRILLING - DRILLING - SLIDING | No | 08 | 1 | 20730.00 | SLIDE DRILL 6. 750" PROD LATERAL// F/ 20, 712' - T/ 20, 730' ( 18' @ 6 FPH ) TF: 180 // WOB 20K // GPM 247 // MRPM 197 // SPP 3450 PSI., DIFF 100/ 150 PSI. DRILLING DOWN FLOW LINE// NO GAINS/ NO LOSSES. |
| 22:00 | 00:00 | 2.00 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 08 | 1 | 20796.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 20, 730' - T/ 20, 796' ( 66' @ 33 FPH ) WOB 21K // RPM 40 // GPM 247 // MRPM 197 // SPP 3900 PSI. // DIFF 700 PSI. // TQ. 15K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |

**Personnel Hours**

| Vendor | Vendor Type | Number Of People | Hours On Site | Total Hours |
|---|---|---|---|---|
| NEWLAND CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| AES DRILLING FLUIDS LLC | MUD ENGINEER | 1 | 24.00 | 24.00 |
| SCANDRILL INC | RIG CREWS | 12 | 24.00 | 288.00 |

| | | | | |
|---|---|---|---|---|
| SCANDRILL INC | TOOLPUSHER | 1 | 24.00 | 24.00 |
| PHOENIX DIRECTIONAL DRILLERS | 4- MAN CREW | 4 | 24.00 | 96.00 |
| INDUSTRIAL & OILFIELD SERVICES INC | CONSULTANT | 1 | 24.00 | 24.00 |
| NOV PROCESS & FLOW TECHNOLOGIES US, INC. | 2- MAN CREW | 2 | 24.00 | 48.00 |
| CRESCENT CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |

**Rig Information**

| | | | | | |
|---|---|---|---|---|---|
| KB Elevation: | 2798.00 ft | KB To GL : | 25.00 ft | | |
| Rig(s) for today : | Scan Texas | Rig Manager : | ROCKY BROUMLEY | Rig Phone : | 432-400-2272 |
| Date and Time of Rig Release : | | Days From Rig Release : | 0.00 | Rig Fax : | |

**Safety**

| | | | | | |
|---|---|---|---|---|---|
| Last BOP Test(F) Date : | 4/2/2018 | Last BOP Pressure : | 8500.000 psi | Last Lot Fit : | 14.50 |
| Last Csg Date : | 4/1/2018 | Last Csg Pressure : | 1500.000 psi | Last Spills Reported : | |
| Last BOP Drill Date : | 4/5/2018 | Last Test MW : | 12.90 | Last Accidents : | |
| Last Fire Drill : | | Last Test TVD : | 11717.00 ft | Last Safety Meeting : | 4/14/2018 18:00 |
| Last Evac Drill : | | Last Test Pressure : | 977.000 psi | Last Safety Meeting Topic : | HOUSE KEEPING / WORKING AS A |

**Contacts**

| | | | | | |
|---|---|---|---|---|---|
| Day Sup. : | NICK NEWLAND | Phone : | 405-761-3414 | Superintendent : | SANTOS MOROLES | Phone : | 432-559-4901 |
| Night Sup. : | BRIAN EHRENBERG | Phone : | | Geologist : | ALBERT BONDURANT | Phone : | 205.568.5467 |
| Alt. Phone : | | | | Drill. Eng. : | BRANNON SMITH | Phone : | 432-818-1777 |

**Attachments**

Daily Attachment Folder(s)

# Daily Drilling Report P2

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 35 Report Date : 4/14/2018

## Operations

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

## Mud Data

Mud Engineer : CLAY RICH Mud Type : Oil Base Mud Polymer Type :

| Chk | Time | Depth (ft) | Density (lbs/gal) | FV (s/qt) | YP (lbs/100 ft²) | PV (cP) | WL (cc/30 min) | Cl (ppm) | Electro Static Stability | Oil Ratio | H2O Ratio | HTHP Water Loss(cc/30 min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:00 | 20726. | 12.70000 | 67.00 | 15 | 24.00 | 5.0 | 25247 | 532.0 | 75 | 25 | 5.0 |

## Bit Data

| Bit # | Run # | Size (in) | Mfg. | Model | IADC Code | Daily Drilled (ft) | Daily Hours | Daily ROP (ft/hr) | Cum Drilled (ft) | Cum Hrs. | Avg. ROP (ft/hr) | Depth In (ft) | Depth Out (ft) | Max WOB (M Lbs) | PSI Drop (psi) | Nozzle Velocity (ft/s) | HHP (HP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 08 | 1 | 6.750 | HALIBURTON | GTD63 | | 724.00 | 23.50 | 30.81 | 1676.00 | 51.00 | 32.86 | 20072.00 | 20796.00 | 20.000 | 162.578 | 119.64 | 23.45 |

## BHA Data

For Bit # : 08 Mud Motor : Total Made : 724 ft

Total BHA Hours : 507.0 Total Hours : 23.50

BHA # : 08 DC OD : 4.700 in DP OD : 4.500 in BHA Length : 11564.88 ft BHA Weight 0.00 M Lbs

| Item | Jts | Length (ft) | OD (in) | ID (in) | Coupling OD (in) | Weight (lbs/ft) | Thread Type | Pin/Box |
|---|---|---|---|---|---|---|---|---|
| BITS | 1 | 1.00 | 6.750 | 0.000 | 0.000 | 0.000 | 3 1/2 REG | Pin |
| MUD MOTOR | 1 | 25.65 | 4.750 | 0.000 | 0.000 | 0.000 | 3 1/2 IF | Box |
| FLOAT SUB | 1 | 2.46 | 4.870 | 2.460 | 0.000 | 0.000 | 3 1/2 IF | Box |
| NON- MAG COLLAR | 1 | 14.20 | 4.740 | 2.740 | 0.000 | 0.000 | 3 1/2 IF | Box |
| SUBS | 1 | 3.77 | 4.800 | 2.670 | 0.000 | 0.000 | 3 1/2 IF | Box |
| SUBS | 1 | 8.34 | 5.200 | 0.000 | 0.000 | 0.000 | 3 1/2 | Box |
| SUBS | 1 | 3.33 | 5.240 | 0.000 | 0.000 | 0.000 | 3 1/2 | Box |
| SUBS | 1 | 1.64 | 5.150 | 0.000 | 0.000 | 0.000 | 3 1/2 | Box |
| NON- MAG COLLAR | 1 | 29.20 | 4.630 | 2.710 | 0.000 | 0.000 | 3 1/2 | Box |
| CROSSOVER SUB | 1 | 4.03 | 5.450 | 2.670 | 0.000 | 0.000 | 3 1/2 IF | Box |
| DRILLPIPE | 90 | 2827.38 | 4.750 | 0.000 | 0.000 | 0.000 | CET 43 | Box |
| CROSSOVER SUB | 1 | 2.95 | 5.390 | 0.000 | 0.000 | 0.000 | CET 43 X XT39 | Box |
| AGITATOR | 1 | 12.41 | 5.000 | 0.000 | 0.000 | 0.000 | XT-39 | Box |
| CROSSOVER SUB | 1 | 2.00 | 5.400 | 0.000 | 0.000 | 0.000 | XT39 X CET 43 | Box |
| DRILLPIPE | 246 | 7714.33 | 4.450 | 2.670 | 0.000 | 0.000 | CET- 43 P1 - S135 | Box |
| HWDP | 30 | 912.19 | 5.010 | 2.750 | 0.000 | 0.000 | CET-43 | Box |

## Drilling Parameters

| Bit # | Run # | Depth (ft) | WOB (M Lbs) | RPM | | GPM | Torque | | String Weight | | | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Motor | Rotary | | On Bom (ft lbf) | Off Bom (ft lbf) | Pick Up (lbs) | Stack Off (lbs) | Rotate (lbs) | On Bom (psi) | Off Bom (psi) | Diff Press. (psi) |
| 08 | 1 | 20796.00 | 20.000 | 197 | 40 | 247 | 15.00 | 5000.00 | 240 | 140 | 185 | 3900.0 | 3250.0 | 650.0 |

## Pump Data

| Bit # | Pump 1 | | | | | Pump 2 | | | | | Pump Pressure (psi) | AV DC (ft/min) | AV DP (ft/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | | | |
| 08 | BOMCO 1600 | 12.000 | 5.000 | 85 | 247.122 | BOMCO 1600 | 12.000 | 5.000 | 0 | 0.000 | 3900.00 | 258 | 239 |

## Reduced Speed Pumps

| Depth(ft) | Pump 1 | | | Pump 2 | | |
|---|---|---|---|---|---|---|
| | Model | Pressure (psi) | SPM | Model | Pressure (psi) | SPM |
| 20608.00 | BOMCO 1600 | 1000.0 | 30 | BOMCO 1600 | 1260.0 | 30 |
| 20608.00 | BOMCO 1600 | 1320.0 | 40 | BOMCO 1600 | 1480.0 | 40 |

# Daily Drilling Report P3

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 35 Report Date : 4/14/2018

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

**Drill Bottom Hole Targets**

| Bottom Hole Location | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Survey Data**

| Depth (ft) | Deviation | Azimuth | TVD (ft) | N/S | N/S (ft) | E/W | E/W (ft) | Vertical Section (ft) | Dog Leg |
|---|---|---|---|---|---|---|---|---|---|
| 20084.00 | 90.90 | 163.3 | 11637.25 | | -8218.56 | | 2429.01 | 8569.95 | 1.64 |
| 20178.00 | 89.59 | 162.8 | 11636.85 | | -8308.48 | | 2456.41 | 8663.94 | 1.44 |
| 20273.00 | 91.56 | 168.0 | 11635.90 | | -8400.38 | | 2480.29 | 8758.86 | 5.75 |
| 20366.00 | 88.04 | 164.4 | 11636.22 | | -8490.67 | | 2502.46 | 8851.74 | 5.36 |
| 20460.00 | 87.73 | 162.2 | 11639.69 | | -8580.64 | | 2529.45 | 8945.66 | 2.30 |
| 20555.00 | 91.82 | 165.0 | 11640.07 | | -8671.75 | | 2556.24 | 9040.63 | 5.13 |
| 20649.00 | 92.65 | 164.7 | 11636.40 | | -8762.41 | | 2580.79 | 9134.54 | 0.93 |
| 20743.00 | 93.75 | 164.3 | 11631.15 | | -8852.84 | | 2605.91 | 9228.39 | 1.24 |

**Hook Loads**

Up : 240

Down : 140

Rotating : 185

Torque : 0 Amps

Torque : 16000.00 ft lbf

**Comments**

UL 20 STRIPES 38-47-601H RIG MOBILIZATION BEGAN: 3/11/18 @ 13:00HRS.
RIG ON DAYRATE @ 04:30 HRS, 03/16/2018
SPUD WELL @ 1900 HRS, 03-16-18
(108 HR. RIG MOVE)
RELEASED RIG OFF OF PEGASUS 23-35-16#251H ON 03/11/18 @ 13:00 HRS .

NOTIFIED TRRC: SPUD/SURFACE: 03/15/17,10 AM, MICHELLE, JOB #123292
NOTIFIED TRRC: INTERMENT-03/22/18, 6:00AM, NAOMI, JOB # 123292
NOTIFIED TRRC: 2ND INTERMEDIATE: 03-31-18, 8:00AM, AUDREY OP 2, JOB#123292
NOTIFIED TRRC: PRODUCTION: XXXX

RESUMED DRILLING OPERATIONAL HRS. = 677 ( 28.29 DAYS)

UL 20 STRIPES 38-47 601H: INSPECT 372 OF 372 JOINTS OF SCAN RIG PIPE BY RED RIVER TO DS1 CAT-4 PLUS UTEA, HAVE 293 JTS PREMIUM READY (7 JTS NEED HARDBANDING) 71 JTS ACCEPTED PREMIUM READY NEEDING SHOP REPAIR 18 BOXES & 52 PINS FOR PITTING & 1 PIN FOR HANDLING DAMAGE// (3 JT CLASS II RED BAND (INTERNAL PITTING), 3 JT CLASS III RED BAND (INTERNAL EMI/UTI), 2 JTS CLASS V SURFACE CRACKS ON PIN. (71 JOINTS SENT IN FOR REPAIRS AND 8 JOINTS REPLACED BY SCAN). ALSO INSPECTED 115 JTS SCAN 5" RENTAL DP ,114 JTS PREMIUM READY, 1 JOINT BEND PREMIUM READY.

DAYS SINCE LAST LTA: (1275 DAYS ): LAST OSHA RECORDABLE INCIDENT: ( 512 )

CREW SHORTAGES ( LAST 24HRS / TOTAL HRS ): 0 / 0
CREW DOUBLES (LAST 24 HRS / TOTAL HRS): 0 / 0
NON PRODUCTIVE TIME (LAST 24HRS / TOTAL HRS): 0 HRS. / 11.5 HRS.
RIG DOWNTIME CODE 8: (LAST 24 HRS / TOTAL HRS ON WELL) – 0 HRS / 1.5 HRS
1.5 HRS CODE 8 ON 3/17/18 STRIPES 601H

20" CONDUCTER SET @ 146'
13 3/8" SURFACE: SET @ 437' W/FC @ 394' CIRC 31 BBLS CMT
10 3/4" 1 INTERMEDIATE: SET @ 4965' NO CMT TO SUF
7 5/8" 2 INTERMEDIATE SET @11,895' (5BBLS CEMEMENT TO SURFACE) F/C @11849' W/ BAFFLE,. CONTINGENCY BAFFLE @ 4937', DV/ECP @ 4825'
5 1/2" PRODUCTION: SET @

OBM LOST TO WELL (LAST 24 HRS / TOTAL BBLS): 100 BBLS / 879 BBLS
OBM LOST BEHIND CASING: 0 BBLS
OBM LOST: 0 BBLS TO FORMATION
OBM LOST: 43 BBLS TO CUTTINGS
OBM LOST: 32 BBLS TO CLEANING PITS,DISCHARGE OVER SHAKERS, LOST ON DISPLACEMENT, SURFACE LOSSES, CENTRIFUGE LOSSES
ADDITIONS- 106 BBL
OBM RECOVERED FROM NOV DRYER SHAKERS -0 BBL/ 0 BBLS RECOVERED TO DATE.
STARTING OBM VOLUME: 2027 BBLS TOTAL VOLUME: 2,270 BBLS
TRANSFERRED OUT 0 BBLS

STARTING RIG FUEL: RIG = 1754 GALS TRANSFERED FROM PEGUSAS 23-35-16 #251 0 GALS OBM DIESEL, 0 GALS AUX. DIESEL

DIESEL USAGE:
RIG FUEL ( DAILY/TOTAL ): 1048 / 25933 GALS
MUD DIESEL ( DAILY/TOTAL ): 3114 / 23962 GALS
AUXILIARY EQUIPMENT (DAILY/TOTAL): 0 / 1817 GALS
CERTARUS CNG (DAILY/ TOTAL) 730.50 MCF / 27,315.92 TOTAL MCF
---
ORIGINAL TARGET LINE - @ 11,755' TVD 90° 163.73° AZM
PLAN 2 CHANGED 03-27-18 @ 11,810' TVD 90° 163.73° AZM
PLAN 3 CHANGED 03-27-18 @ 11,840' TVD 90 DEGREES
PLAN #4 CHANGED 04/04/18 @ VS=0', inclination= 91.00 degrees, at TVD = 11,869.1'
PLAN #5 CHANGED 04/08/18 @ VS=0', INCLINATION=92° @ 11,942.5' TVD
PLAN #6 CHANGED 04/14/18 @ VS=0' @ 11,718' TVD @ 90.5°
---
***NO LEAKS OR SPILLS REPORTED OR OBSERVED***
_____
BHA #8: = BIT #8 -6.75" HALLIBURTON GTC63C SER# 12951220 W/ 6-12' S TFA= ..6627 // 5' (MAX OD 5.36")
PHOENIX/NOV FIXED MUD MOTOR SET @ 1.83° ( 6/7 LOBE, 6.4 STG., .80 REV/GAL ) // FLOAT SUB // NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // NMDC // X-OVER 3 1/2 IF X CET 43 // 90 JOINTS CET 43 DP // X-OVER CET 43 X XT39 // AMEGA WEST 5" AGITATOR // X-OVER XT39 X CET 43 // 246 JOINTS CET-43 DP // 30 JOINTS CET-43 HWDP = TOT. LGTH. = 11564.88 // BIT TO BEND 5.83' // BIT TO SURVEY 53' // BIT TO GAMMA 49.98' // DEPTH IN 19,129' // DEPTH OUT XXXXXX' // FTG. DRILLED XXX' // TOTAL DRLG HRS. XX.XXX // TOTAL MTR HRS. XX // AVG R.O.P. XX.XX FPH // REASON PULLED = XXXXXX // BIT GRADE= XXXXXXX

BHA #7:BIT #7 -6.75" GTC63C SER# 129837714 W/ 6-12' S TFA= .566 // 4.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.83° ( 6/7 LOBE, 6.4 STG., .80 REV/GAL )FLOAT SUB// NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 4.75" NMDC PONY// X-OVER 3 1/2 IF X CET 43 /90 JOINTS OF CET 43 DP / X-OVER CET 43 X XT39// AGITATOR// X-OVER XT39 X CET 43 = TOT. LGTH. =2936.18 // BIT TO BEND 4.83 // BIT TO SURVEY 53' // BIT TO GAMMA 50.19' // DEPTH IN 11,900' // DEPTH OUT 19,129' // FTG. DRILLED 7229' // TOTAL DRLG HRS. 199 // TOTAL MTR HRS. 208.5 // AVG R.O.P. 36.3 FPH // REASON PULLED = HOURS // BIT GRADE= 4-2-FC-N-I-BT-HR

BHA#6 BIT #6 -9.875" CF613 SER# 35567 W/ 5-16S 1-18'S TFA= 1.2303 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 2.12° ( 4/5 LOBE, 5.3 STG., .253 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY// XO /30 JOINTS OF DP / 27 JNTS HWDP = TOT. LGTH. = 1856.24' // BIT TO BEND 6.41 // BIT TO SURVEY 52' // BIT TO GAMMA 48.96' // DEPTH IN 11,121' // DEPTH OUT 11,900' // FTG. DRILLED 779' // TOTAL DRLG HRS. 23.5 // TOTAL MTR HRS. 28 // AVG R.O.P. 33.1 FPH // REASON PULLED = CASING POINT, BIT GRADE= 2-4-CT-S-I-BT-TD

RE-RUN BHA #5: BIT #5-9.875" CF613 SER# 34734 W/ 5-16'S & 1-18 TFA= 1.2305 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1179.01' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 10,213" // DEPTH OUT 11,121' // FTG. DRILLED 908' // TOTAL DRLG HRS. 29.5 // TOTAL MTR HRS. 31.5 // AVG R.O.P. 30.8 FPH // REASON PULLED = KOP/BHA // BIT GRADE= 1-2-CT-S-I-CT-BHA

BHA #5: BIT #4-9.875" CF717 SER# 36022 W/ 7-16'S TFA= 1.3744 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1179.01' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 8563' // DEPTH OUT 10213' // FTG. DRILLED 1650' // TOTAL DRLG HRS. 45 // TOTAL MTR HRS. 50 // AVG R.O.P. 36.3 FPH // REASON PULLED = LOW ROP, BIT GRADE= 8-4-BT-A-I-CT-PR

BHA #4: BIT #3-9.875" SMITH XZ616 SER# JN7079 W/ 6-16'S TFA= 1.767 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1178.28' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 4970' // DEPTH OUT 8563' //

FTG. DRILLED 3583' // TOTAL DRLG HRS. 36.5 // TOTAL MTR HRS. 39.5 // AVG R.O.P. 98.4 FPH // REASON PULLED = LOW PR// BIT GRADE= 8-2-CR-N-1-CT-PR

BHA #3: BIT #2-12.250" SMITH XS716S SER# ED1338 W/ 2-14'S & 5 X 15'S TFA= 1.163 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 11.25 OD IBS // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // = TOT. LGTH. = 370.23' // BIT TO BEND 6.43 // BIT TO SURVEY 57' // BIT TO GAMMA 52.81' // DEPTH IN 445' // DEPTH OUT 4970' // FTG. DRILLED 4525' // TOTAL DRLG HRS. 62 // TOTAL MTR HRS. 68 // AVG R.O.P. 72.2 FPH // REASON PULLED = TD CASING POINT ? // BIT GRADE= 1-5-BT-S-1-BT-TD

BHA #2: RE-RUN BIT #1-17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" BIT SUB // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 253.16' // BIT TO SURVEY 48' // BIT TO GAMMA 31' // DEPTH IN 300' // DEPTH OUT 445' // FTG. DRILLED 145' // TOTAL DRLG HRS. 3.5 // TOTAL MTR HRS. N/A // AVG R.O.P. 41.4 FPH // REASON PULLED = TD // BIT GRADE=1-2-NO-G-I-NO-TD

BHA #1: 17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 278.09' // BIT TO BEND 6.43' // BIT TO SURVEY 76' // BIT TO GAMMA 59' // DEPTH IN 146' // DEPTH OUT 300' // FTG. DRILLED 154' // TOTAL DRLG HRS. 15.5 // TOTAL MTR HRS. 18 // AVG R.O.P. 9.94 FPH // REASON PULLED = P-RATE // BIT GRADE = 1-2-NO-G-I-NO-PR

## Solids Removal

### Shakers

| Shaker # | Bottom | Middle | Top |
|---|---|---|---|

### Other Solids Removal Equipment

| Item | Hrs Run | Intake Density (lbs/gal) | Overflow Density (lbs/gal) | Underflow Density (lbs/gal) |
|---|---|---|---|---|

## Mud Log

Formation :

Background Gas : 135 Connection Gas : 262 Flare Length : 0

Trip Calc :

## Well Incident

Report # : Incident Date : Report Date :

Problem Name :

# Daily Drilling Report P1

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 36 Report Date : 4/15/2018

**Financials**

Daily Cost : $72,773 Cost to Date : $3,351,206

AFE # : PB18100002

AFE : $10,772,650 AFE Cost to Date : $3,351,206

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A Event Sub Type : Drilling Prod

A.M. Ops : DRILD 6 3/4" PRODUCTION LATERAL F/21,375' - T/21,638' TD ( 263' @ 47.8 FPH) TD @ 06:00 MW 12.7 PPG

Ops Forecast : DRLD 6 3/4" PRODUCTION LATERAL T0 TD @ 21,638' MD, CIRC 4 BU CLEAN UP CYCLE, PULL 5 STDS, LDDP

24hr. Summary : DRLG 6 3/4" LATERAL F/20,796' -T/21,375' (579' @ 24.6' FPH) MW 12.7+ PPG

Planning Status :

**Elevations**

GL 2773.00 ft Reserve Pit Freeboard : 0.00 ft

**Progress**

Days from Spud : 30 Progress : 579.00 ft MD at Report Time : 21375.00 ft

Rig on Location (days) : 36 Est. TD : 21599.00 ft TVD At Report Time : 11627.85 ft

**Event Dates**

| Spud Date | Spud Time | Suspended Drilling Date | Resume Drilling Date | Total Depth Date | Total Depth Time | Finished Drilling Date | Finished Drilling Time | Rig Released Date | Rig Released Time |
|---|---|---|---|---|---|---|---|---|---|
| 3/16/2018 | 19:00 | | | | | | | | |

**Time Breakdown**

Start Time : 00:00 Initial Depth : 0.00 ft Drilling Hours : 24.00 Total Drilling Hours : 514.50 Total Hours : 24.00 Time Code : DRILLING -

Drilling % : 100.00 Rotating % : 41.67 Sliding % : 58.33

| Start Time | End Time | Hours | Phase | Activity | | NPT | Bit # | Run # | Depth (ft) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Time Code | Description | | | | | |
| 00:00 | 00:30 | 0.50 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 08 | 1 | 20806.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 20, 796' - T/ 20, 806' ( 10' @ 20 FPH ) WOB 22K // RPM 40 // GPM 247 // MRPM 197 // SPP 3900 PSI. // DIFF 700 PSI. // TQ. 15K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 00:30 | 02:30 | 2.00 | DRLPRL | 02M | DRILLING - DRILLING - SLIDING | No | 08 | 1 | 20830.00 | SLIDE DRILL 6. 750" PROD LATERAL// F/ 20, 806' - T/ 20, 830' ( 24' @ 12 FPH ) TF: 160L // WOB 20K // GPM 247 // MRPM 197 // SPP 3450 PSI., DIFF 100/ 150 PSI. DRILLING DOWN FLOW LINE// NO GAINS/ NO LOSSES. |
| 02:30 | 04:00 | 1.50 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 08 | 1 | 20901.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 20, 830' - T/ 20, 901' ( 71' @ 47. 3 FPH ) WOB 22K // RPM 40 // GPM 247 // MRPM 197 // SPP 3900 PSI. // DIFF 600 PSI. // TQ. 16K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 04:00 | 05:30 | 1.50 | DRLPRL | 02M | DRILLING - DRILLING - SLIDING | No | 08 | 1 | 20921.00 | SLIDE DRILL 6. 750" PROD LATERAL// F/ 20, 901' - T/ 20, 921' ( 20' @ 13. 3 FPH ) TF: 160L // WOB 20K // GPM 247 // MRPM 197 // SPP 3450 PSI., DIFF 100/ 150 PSI. DRILLING DOWN FLOW LINE// NO GAINS/ NO LOSSES. |
| 05:30 | 08:30 | 3.00 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 08 | 1 | 21085.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 20, 921' - T/ 21, 085' ( 164' @ 54. 6 FPH ) WOB 22K // RPM 40 // GPM 247 // MRPM 197 // SPP 4000 PSI. // DIFF 700 PSI. // TQ. 16K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 08:30 | 12:00 | 3.50 | DRLPRL | 02M | DRILLING - DRILLING - SLIDING | No | 08 | 1 | 21115.00 | SLIDE DRILL 6. 750" PROD LATERAL// F/ 21, 085' - T/ 21, 115' ( 30' @ 8. 6 FPH ) TF: 100R // WOB 20K // GPM 247 // MRPM 197 // SPP 3450 PSI., DIFF 100/ 150 PSI. DRILLING DOWN FLOW LINE// NO GAINS/ NO LOSSES. |
| 12:00 | 13:00 | 1.00 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 08 | 1 | 21180.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 21, 115' - T/ 21, 180' ( 65' @ 65 FPH ) WOB 22K // RPM 40 // GPM 247 // MRPM 197 // SPP 4000 PSI. // DIFF 700 PSI. // TQ. 16K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 13:00 | 16:30 | 3.50 | DRLPRL | 02M | DRILLING - DRILLING - SLIDING | No | 08 | 1 | 21207.00 | SLIDE DRILL 6. 750" PROD LATERAL// F/ 21, 180' - T/ 21, 207' ( 27' @ 7. 7 FPH ) TF: 100R // WOB 20K // GPM 247 // MRPM 197 // SPP 3450 PSI., DIFF 100/ 150 PSI. DRILLING DOWN FLOW LINE// NO GAINS/ NO LOSSES. |
| 16:30 | 18:00 | 1.50 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 08 | 1 | 21275.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 21, 207' - T/ 21, 275' ( 68' @ 45. 3 FPH ) WOB 22K // RPM 40 // GPM 247 // MRPM 197 // SPP 4000 PSI. // DIFF 700 PSI. // TQ. 16K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 18:00 | 20:30 | 2.50 | DRLPRL | 02M | DRILLING - DRILLING - SLIDING | No | 08 | 1 | 21291.00 | SLIDE DRILL 6. 750" PROD LATERAL// F/ 21, 275' - T/ 21, 291' ( 16' @ 6. 4 FPH ) TF: 90R // WOB 20K // GPM 247 // MRPM 197 // SPP 3450 PSI., DIFF 100/ 150 PSI. DRILLING DOWN FLOW LINE// NO GAINS/ NO LOSSES. |
| 20:30 | 21:00 | 0.50 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 08 | 1 | 21301.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 21, 291' - T/ 21, 301' ( 10' @ 20 FPH ) WOB 22K // RPM 40 // GPM 247 // MRPM 197 // SPP 4000 PSI. // DIFF 700 PSI. // TQ. 16K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 21:00 | 22:00 | 1.00 | DRLPRL | 02M | DRILLING - DRILLING - SLIDING | No | 08 | 1 | 21309.00 | SLIDE DRILL 6. 750" PROD LATERAL// F/ 21, 301' - T/ 21, 309' ( 8' @ 8' FPH ) TF: 90R // WOB 20K // GPM 247 // MRPM 197 // SPP 3450 PSI., DIFF 100/ 150 PSI. DRILLING DOWN FLOW LINE// NO GAINS/ NO LOSSES. |
| | | | | | | | | | | ROT. DRILL 6. 750" PROD LATERAL // F/ 21, 291' - T/ 21, 375' ( 84' @ 42 FPH ) WOB 22K // RPM 40 // GPM 247 // MRPM 197 // SPP 4000 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 22:00 | 00:00 | 2.00 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 08 | 1 | 21375.00 | PSI. // DIFF 700 PSI. // TQ. 16K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES, ( NOTE; HAD DP SCREEN BREAK BELOW STOP RING ON CONNECTION @ 21,362', WILL RETRIEVE WHEN LDDP) |

**Personnel Hours**

| Vendor | Vendor Type | Number Of People | Hours On Site | Total Hours |
|---|---|---|---|---|
| NEWLAND CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| AES DRILLING FLUIDS LLC | MUD ENGINEER | 1 | 24.00 | 24.00 |
| SCANDRILL INC | RIG CREWS | 12 | 24.00 | 288.00 |
| SCANDRILL INC | TOOLPUSHER | 1 | 24.00 | 24.00 |
| PHOENIX DIRECTIONAL DRILLERS | 4- MAN CREW | 4 | 24.00 | 96.00 |
| INDUSTRIAL & OILFIELD SERVICES INC | CONSULTANT | 1 | 24.00 | 24.00 |
| NOV PROCESS & FLOW TECHNOLOGIES US, INC. | 2- MAN CREW | 2 | 24.00 | 48.00 |
| CRESCENT CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |

**Rig Information**

| | | | | | |
|---|---|---|---|---|---|
| KB Elevation: | 2798.00 ft | KB To GL : | 25.00 ft | | |
| Rig(s) for today : | Scan Texas | Rig Manager : | ROCKY BROUMLEY | Rig Phone : | 432-400-2272 |
| Date and Time of Rig Release : | | Days From Rig Release : | 0.00 | Rig Fax : | |

**Safety**

| | | | | | |
|---|---|---|---|---|---|
| Last BOP Test(F) Date : | 4/2/2018 | Last BOP Pressure : | 8500.000 psi | Last Lot Fit : | 14.50 |
| Last Csg Date : | 4/1/2018 | Last Csg Pressure : | 1500.000 psi | Last Spills Reported : | |
| Last BOP Drill Date : | 4/5/2018 | Last Test MW : | 12.90 | Last Accidents : | |
| Last Fire Drill : | | Last Test TVD : | 11717.00 ft | Last Safety Meeting : | 4/15/2018 18:00 |
| Last Evac Drill : | | Last Test Pressure : | 977.000 psi | Last Safety Meeting Topic | LDDP /KEEPING FLOOR CLEAN OF |

**Contacts**

| | | | | | |
|---|---|---|---|---|---|
| Day Sup. : | NICK NEWLAND | Phone : | 405-761-3414 | Superintendent : | SANTOS MOROLES | Phone : | 432-559-4901 |
| Night Sup. : | BRIAN EHRENBERG | Phone : | | Geologist : | ALBERT BONDURANT | Phone : | 205.568.5467 |
| Alt. Phone : | | | | Drill. Eng. : | BRANNON SMITH | Phone : | 432-818-1777 |

**Attachments**

| Daily Attachment Folder(s) |
|---|
| |

# Daily Drilling Report P2

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 36 Report Date : 4/15/2018

## Operations

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

## Mud Data

Mud Engineer : CLAY RICH Mud Type : Oil Base Mud Polymer Type :

| Chk | Time | Depth (ft) | Density (lbs/gal) | FV (s/qt) | YP (lbs/100 ft²) | PV (cP) | WL (cc/30 min) | Cl (ppm) | Electro Static Stability | Oil Ratio | H2O Ratio | HTHP Water Loss(cc/30 min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:00 | 21303. | 12.70000 | 63.00 | 14 | 21.00 | 0.0 | 24337 | 557.0 | 75 | 25 | 5.0 |

## Bit Data

| Bit # | Run # | Size (in) | Mfg. | Model | IADC Code | Daily Drilled (ft) | Daily Hours | Daily ROP (ft/hr) | Cum Drilled (ft) | Cum Hrs. | Avg. ROP (ft/hr) | Depth In (ft) | Depth Out (ft) | Max WOB (M Lbs) | PSI Drop (psi) | Nozzle Velocity (ft/s) | HHP (HP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 08 | 1 | 6.750 | HALIBURTON | GTD63 | | 579.00 | 24.00 | 24.13 | 2255.00 | 75.00 | 30.07 | 20796.00 | 21375.00 | 22.000 | 162.578 | 119.64 | 23.45 |

## BHA Data

For Bit # : 08 Mud Motor : Total Made : 579 ft

Total BHA Hours : 531.0 Total Hours : 24.00

BHA # : 08 DC OD : 4.750 in DP OD : 4.500 in BHA Length : 11564.88 ft BHA Weight 0.00 M Lbs

| Item | Jts | Length (ft) | OD (in) | ID (in) | Coupling OD (in) | Weight (lbs/ft) | Thread Type | Pin/Box |
|---|---|---|---|---|---|---|---|---|
| BITS | 1 | 1.00 | 6.750 | 0.000 | 0.000 | 0.000 | 3 1/2 REG | Pin |
| MUD MOTOR | 1 | 25.65 | 4.750 | 0.000 | 0.000 | 0.000 | 3 1/2 IF | Box |
| FLOAT SUB | 1 | 2.46 | 4.870 | 2.460 | 0.000 | 0.000 | 3 1/2 IF | Box |
| NON- MAG COLLAR | 1 | 14.20 | 4.740 | 2.740 | 0.000 | 0.000 | 3 1/2 IF | Box |
| SUBS | 1 | 3.77 | 4.800 | 2.670 | 0.000 | 0.000 | 3 1/2 IF | Box |
| SUBS | 1 | 8.34 | 5.200 | 0.000 | 0.000 | 0.000 | 3 1/2 | Box |
| SUBS | 1 | 3.33 | 5.240 | 0.000 | 0.000 | 0.000 | 3 1/2 | Box |
| SUBS | 1 | 1.64 | 5.150 | 0.000 | 0.000 | 0.000 | 3 1/2 | Box |
| NON- MAG COLLAR | 1 | 29.20 | 4.630 | 2.710 | 0.000 | 0.000 | 3 1/2 | Box |
| CROSSOVER SUB | 1 | 4.03 | 5.450 | 2.670 | 0.000 | 0.000 | 3 1/2 IF | Box |
| DRILLPIPE | 90 | 2827.38 | 4.750 | 0.000 | 0.000 | 0.000 | CET 43 | Box |
| CROSSOVER SUB | 1 | 2.95 | 5.390 | 0.000 | 0.000 | 0.000 | CET 43 X XT39 | Box |
| AGITATOR | 1 | 12.41 | 5.000 | 0.000 | 0.000 | 0.000 | XT-39 | Box |
| CROSSOVER SUB | 1 | 2.00 | 5.400 | 0.000 | 0.000 | 0.000 | XT39 X CET 43 | Box |
| DRILLPIPE | 246 | 7714.33 | 4.450 | 2.670 | 0.000 | 0.000 | CET- 43 P1 - S135 | Box |
| HWDP | 30 | 912.19 | 5.010 | 2.750 | 0.000 | 0.000 | CET-43 | Box |

## Drilling Parameters

| Bit # | Run # | Depth (ft) | WOB (M Lbs) | RPM | | GPM | Torque | | String Weight | | | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Motor | Rotary | | On Bom (ft lbf) | Off Bom (ft lbf) | Pick Up (lbs) | Stack Off (lbs) | Rotate (lbs) | On Bom (psi) | Off Bom (psi) | Diff Press. (psi) |
| 08 | 1 | 21375.00 | 22.000 | 197 | 40 | 247 | 15.00 | 5000.00 | 240 | 140 | 185 | 3900.0 | 3250.0 | 650.0 |

## Pump Data

| Bit # | Pump 1 | | | | | Pump 2 | | | | | Pump Pressure (psi) | AV DC (ft/min) | AV DP (ft/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | | | |
| 08 | BOMCO 1600 | 12.000 | 5.000 | 85 | 247.122 | BOMCO 1600 | 12.000 | 5.000 | 0 | 0.000 | 3900.00 | 263 | 239 |

## Reduced Speed Pumps

| Depth(ft) | Pump 1 | | | Pump 2 | | |
|---|---|---|---|---|---|---|
| | Model | Pressure (psi) | SPM | Model | Pressure (psi) | SPM |
| 21362.00 | BOMCO 1600 | 1260.0 | 30 | BOMCO 1600 | 1020.0 | 30 |
| 21362.00 | BOMCO 1600 | 1480.0 | 40 | BOMCO 1600 | 1360.0 | 40 |

# Daily Drilling Report P3

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 36 Report Date : 4/15/2018

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

**Drill Bottom Hole Targets**

| Bottom Hole Location | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Survey Data**

| Depth (ft) | Deviation | Azimuth | TVD (ft) | N/S | N/S (ft) | E/W | E/W (ft) | Vertical Section (ft) | Dog Leg |
|---|---|---|---|---|---|---|---|---|---|
| 20838.00 | 92.03 | 163.2 | 11626.36 | | -8943.93 | | 9323.26 | 9323.26 | 2.07 |
| 20932.00 | 88.77 | 160.7 | 11625.71 | | -9033.30 | | 9417.20 | 9417.20 | 4.30 |
| 21024.00 | 90.28 | 156.6 | 11626.47 | | -9118.98 | | 9508.81 | 9508.81 | 4.70 |
| 21119.00 | 91.08 | 155.6 | 11625.34 | | -9205.84 | | 9602.97 | 9602.97 | 1.31 |
| 21214.00 | 88.45 | 158.7 | 11625.73 | | -9293.36 | | 9697.32 | 9697.32 | 4.16 |
| 21309.00 | 89.00 | 160.3 | 11627.85 | | -9382.31 | | 9792.03 | 9792.03 | 1.79 |

**Hook Loads**

| | | |
|---|---|---|
| Up : | 240 | |
| Down : | 140 | |
| Rotating : | 185 | |
| Torque : | 0 | Amps |
| Torque : | 16000.00 | ft lbf |

**Comments**

UL 20 STRIPES 38-47-601H RIG MOBILIZATION BEGAN: 3/11/18 @ 13:00HRS.
RIG ON DAYRATE @ 04:30 HRS, 03/16/2018
SPUD WELL @ 1900 HRS, 03-16-18
(108 HR. RIG MOVE)
RELEASED RIG OFF OF PEGASUS 23-35-16#251H ON 03/11/18 @ 13:00 HRS .

NOTIFIED TRRC: SPUD/SURFACE: 03/15/17,10 AM, MICHELLE, JOB #123292
NOTIFIED TRRC: INTERMENT-03/22/18, 6:00AM, NAOMI, JOB # 123292
NOTIFIED TRRC: 2ND INTERMEDIATE: 03-31-18, 8:00AM, AUDREY OP 2, JOB#123292
NOTIFIED TRRC: PRODUCTION: XXXX

RESUMED DRILLING OPERATIONAL HRS. = 701 ( 29.29 DAYS)

UL 20 STRIPES 38-47 601H: INSPECT 372 OF 372 JOINTS OF SCAN RIG PIPE BY RED RIVER TO DS1 CAT-4 PLUS UTEA, HAVE 293 JTS PREMIUM READY (7 JTS NEED HARDBANDING) 71 JTS ACCEPTED PREMIUM READY NEEDING SHOP REPAIR 18 BOXES & 52 PINS FOR PITTING & 1 PIN FOR HANDLING DAMAGE// (3 JT CLASS II RED BAND (INTERNAL PITTING), 3 JT CLASS III RED BAND (INTERNAL EMI/UTI), 2 JTS CLASS V SURFACE CRACKS ON PIN. (71 JOINTS SENT IN FOR REPAIRS AND 8 JOINTS REPLACED BY SCAN). ALSO INSPECTED 115 JTS SCAN 5" RENTAL DP ,114 JTS PREMIUM READY, 1 JOINT BEND PREMIUM READY.

DAYS SINCE LAST LTA: (1276 DAYS ): LAST OSHA RECORDABLE INCIDENT: ( 513 )

CREW SHORTAGES ( LAST 24HRS / TOTAL HRS ): 0 / 0
CREW DOUBLES (LAST 24 HRS / TOTAL HRS): 0 / 0
NON PRODUCTIVE TIME (LAST 24HRS / TOTAL HRS): 0 HRS. / 11.5 HRS.
RIG DOWNTIME CODE 8: (LAST 24 HRS / TOTAL HRS ON WELL) – 0 HRS / 1.5 HRS
1.5 HRS CODE 8 ON 3/17/18 STRIPES 601H

20" CONDUCTER SET @ 146'
13 3/8" SURFACE: SET @ 437' W/FC @ 394' CIRC 31 BBLS CMT
10 3/4" 1 INTERMEDIATE: SET @ 4965' NO CMT TO SUF
7 5/8" 2 INTERMEDIATE SET @11,895' (5BBLS CEMEMENT TO SURFACE) F/C @11849' W/ BAFFLE,. CONTINGENCY BAFFLE @ 4937', DV/ECP @ 4825'
5 1/2" PRODUCTION: SET @

OBM LOST TO WELL (LAST 24 HRS / TOTAL BBLS): 68 BBLS / 947 BBLS
OBM LOST BEHIND CASING: 0 BBLS
OBM LOST: 0 BBLS TO FORMATION
OBM LOST: 32 BBLS TO CUTTINGS
OBM LOST: 32 BBLS TO CLEANING PITS,DISCHARGE OVER SHAKERS, LOST ON DISPLACEMENT, SURFACE LOSSES, CENTRIFUGE LOSSES
ADDITIONS- 108 BBL
OBM RECOVERED FROM NOV DRYER SHAKERS -0 BBL/ 0 BBLS RECOVERED TO DATE.
STARTING OBM VOLUME: 2027 BBLS TOTAL VOLUME: 2310 BBLS
TRANSFERRED OUT 0 BBLS

STARTING RIG FUEL: RIG = 1754 GALS TRANSFERED FROM PEGUSAS 23-35-16 #251 0 GALS OBM DIESEL, 0 GALS AUX. DIESEL

DIESEL USAGE:
RIG FUEL ( DAILY/TOTAL ): 461 / 26394 GALS
MUD DIESEL ( DAILY/TOTAL ): 2519 / 26481 GALS
AUXILIARY EQUIPMENT (DAILY/TOTAL): 127 / 1944 GALS
CERTARUS CNG (DAILY/ TOTAL) 1302.58 MCF / 28,618.50 TOTAL MCF

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ORIGINAL TARGET LINE - @ 11,755' TVD 90° 163.73° AZM
PLAN 2 CHANGED 03-27-18 @ 11,810' TVD 90° 163.73° AZM
PLAN 3 CHANGED 03-27-18 @ 11,840' TVD 90 DEGREES
PLAN #4 CHANGED 04/04/18 @ VS=0', inclination= 91.00 degrees, at TVD = 11,869.1'
PLAN #5 CHANGED 04/08/18 @ VS=0', INCLINATION=92° @ 11,942.5' TVD
PLAN #6 CHANGED 04/14/18 @ VS=0' @ 11,718' TVD @ 90.5°

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***NO LEAKS OR SPILLS REPORTED OR OBSERVED***

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BHA #8: = BIT #8 -6.75" HALLIBURTON GTC63C SER# 12951220 W/ 6-12' S TFA= ..6627 // 5' (MAX OD 5.36")
PHOENIX/NOV FIXED MUD MOTOR SET @ 1.83° ( 6/7 LOBE, 6.4 STG., .80 REV/GAL ) // FLOAT SUB // NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // NMDC // X-OVER 3 1/2 IF X CET 43 // 90 JOINTS CET 43 DP // X-OVER CET 43 X XT39 // AMEGA WEST 5" AGITATOR // X-OVER XT39 X CET 43 // 246 JOINTS CET-43 DP // 30 JOINTS CET-43 HWDP = TOT. LGTH. = 11564.88 // BIT TO BEND 5.83' // BIT TO SURVEY 53' // BIT TO GAMMA 49.98' // DEPTH IN 19,129' // DEPTH OUT XXXXXX' // FTG. DRILLED XXX' // TOTAL DRLG HRS. XX.XXX // TOTAL MTR HRS. XX // AVG R.O.P. XX.XX FPH // REASON PULLED = XXXXXX // BIT GRADE= XXXXXXX

BHA #7:BIT #7 -6.75" GTC63C SER# 129837714 W/ 6-12' S TFA= .566 // 4.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.83° ( 6/7 LOBE, 6.4 STG., .80 REV/GAL )FLOAT SUB// NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 4.75" NMDC PONY// X-OVER 3 1/2 IF X CET 43 /90 JOINTS OF CET 43 DP / X-OVER CET 43 X XT39// AGITATOR// X-OVER XT39 X CET 43 = TOT. LGTH. =2936.18 // BIT TO BEND 4.83 // BIT TO SURVEY 53' // BIT TO GAMMA 50.19' // DEPTH IN 11,900' // DEPTH OUT 19,129' // FTG. DRILLED 7229' // TOTAL DRLG HRS. 199 // TOTAL MTR HRS. 208.5 // AVG R.O.P. 36.3 FPH // REASON PULLED = HOURS // BIT GRADE= 4-2-FC-N-I-BT-HR

BHA#6 BIT #6 -9.875" CF613 SER# 35567 W/ 5-16S 1-18'S TFA= 1.2303 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 2.12° ( 4/5 LOBE, 5.3 STG., .253 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY// XO /30 JOINTS OF DP / 27 JNTS HWDP = TOT. LGTH. = 1856.24' // BIT TO BEND 6.41 // BIT TO SURVEY 52' // BIT TO GAMMA 48.96' // DEPTH IN 11,121' // DEPTH OUT 11,900' // FTG. DRILLED 779' // TOTAL DRLG HRS. 23.5 // TOTAL MTR HRS. 28 // AVG R.O.P. 33.1 FPH // REASON PULLED = CASING POINT, BIT GRADE= 2-4-CT-S-I-BT-TD

RE-RUN BHA #5: BIT #5-9.875" CF613 SER# 34734 W/ 5-16'S & 1-18 TFA= 1.2305 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1179.01' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 10,213" // DEPTH OUT 11,121' // FTG. DRILLED 908' // TOTAL DRLG HRS. 29.5 // TOTAL MTR HRS. 31.5 // AVG R.O.P. 30.8 FPH // REASON PULLED = KOP/BHA // BIT GRADE= 1-2-CT-S-I-CT-BHA

BHA #5: BIT #4-9.875" CF717 SER# 36022 W/ 7-16'S TFA= 1.3744 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1179.01' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 8563' // DEPTH OUT 10213' // FTG. DRILLED 1650' // TOTAL DRLG HRS. 45 // TOTAL MTR HRS. 50 // AVG R.O.P. 36.3 FPH // REASON PULLED = LOW ROP, BIT GRADE= 8-4-BT-A-I-CT-PR

BHA #4: BIT #3-9.875" SMITH XZ616 SER# JN7079 W/ 6-16'S TFA= 1.767 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1178.28' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 4970' // DEPTH OUT 8563' //

FTG. DRILLED 3583' // TOTAL DRLG HRS. 36.5 // TOTAL MTR HRS. 39.5 // AVG R.O.P. 98.4 FPH // REASON PULLED = LOW PR// BIT GRADE= 8-2-CR-N-1-CT-PR

BHA #3: BIT #2-12.250" SMITH XS716S SER# ED1338 W/ 2-14'S & 5 X 15'S TFA= 1.163 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 11.25 OD IBS // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // = TOT. LGTH. = 370.23' // BIT TO BEND 6.43 // BIT TO SURVEY 57' // BIT TO GAMMA 52.81' // DEPTH IN 445' // DEPTH OUT 4970' // FTG. DRILLED 4525' // TOTAL DRLG HRS. 62 // TOTAL MTR HRS. 68 // AVG R.O.P. 72.2 FPH // REASON PULLED = TD CASING POINT ? // BIT GRADE= 1-5-BT-S-1-BT-TD

BHA #2: RE-RUN BIT #1-17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" BIT SUB // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 253.16' // BIT TO SURVEY 48' // BIT TO GAMMA 31' // DEPTH IN 300' // DEPTH OUT 445' // FTG. DRILLED 145' // TOTAL DRLG HRS. 3.5 // TOTAL MTR HRS. N/A // AVG R.O.P. 41.4 FPH // REASON PULLED = TD // BIT GRADE=1-2-NO-G-I-NO-TD

BHA #1: 17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 278.09' // BIT TO BEND 6.43' // BIT TO SURVEY 76' // BIT TO GAMMA 59' // DEPTH IN 146' // DEPTH OUT 300' // FTG. DRILLED 154' // TOTAL DRLG HRS. 15.5 // TOTAL MTR HRS. 18 // AVG R.O.P. 9.94 FPH // REASON PULLED = P-RATE // BIT GRADE = 1-2-NO-G-I-NO-PR

## Solids Removal

### Shakers

| Shaker # | Bottom | Middle | Top |
|---|---|---|---|

### Other Solids Removal Equipment

| Item | Hrs Run | Intake Density (lbs/gal) | Overflow Density (lbs/gal) | Underflow Density (lbs/gal) |
|---|---|---|---|---|

## Mud Log

Formation :
Background Gas :
Trip Calc :
Connection Gas :
Flare Length :

## Well Incident

Report # :
Incident Date :
Report Date :
Problem Name :

# Daily Drilling Report P1

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 37 Report Date : 4/16/2018

## Financials

Daily Cost : $51,228 Cost to Date : $3,402,434

AFE # : PB18100002

AFE : $10,772,650 AFE Cost to Date : $3,402,434

## Operations

Event Objective : Scan Texas D&C DB DEV WC A Event Sub Type : Drilling Prod

A.M. Ops : LDDP F/9000' - 4100' , HOLE TAKING PROPER FILL.

Ops Forecast : FINISH LDDP & BHA #8, PULL WEAR BUSHING, R/U & RUN 4 1/2" X 5 1/2" PROD CASING

24hr. Summary : DRLD 6 3/4" PROD LATERAL TO TD 21,638' MD, CUC, LDDP

Planning Status :

## Elevations

GL 2773.00 ft Reserve Pit Freeboard : 0.00 ft

## Progress

Days from Spud : 31 Progress : 263.00 ft MD at Report Time : 21638.00 ft

Rig on Location (days) : 37 Est. TD : 21599.00 ft TVD At Report Time : 11628.24 ft

## Event Dates

| Spud Date | Spud Time | Suspended Drilling Date | Resume Drilling Date | Total Depth Date | Total Depth Time | Finished Drilling Date | Finished Drilling Time | Rig Released Date | Rig Released Time |
|---|---|---|---|---|---|---|---|---|---|
| 3/16/2018 | 19:00 | | | 4/16/2018 | 06:00 | 4/16/2018 | 06:00 | | |

## Time Breakdown

Start Time : 00:00 Initial Depth : 0.00 ft Drilling Hours : 6.00 Total Drilling Hours : 520.50 Total Hours : 24.00 Time Code : TRIPPING -

Drilling % : 25.00 Rotating % : 100.00 Sliding % : 0.00

| Start Time | End Time | Hours | Phase | Activity | | NPT | Bit # | Run # | Depth (ft) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Time Code | Description | | | | | |
| 00:00 | 03:00 | 3.00 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 08 | 1 | 21507.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 21, 375' - T/ 21, 507' ( 132' @ 44 FPH ) WOB 23K // RPM 40 // GPM 247 // MRPM 197 // SPP 4000 PSI. // DIFF 700 PSI. // TQ. 16K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES |
| 03:00 | 06:00 | 3.00 | DRLPRL | 02D | DRILLING - MTR/TURB - DIR/HORZ | No | 08 | 1 | 21638.00 | ROT. DRILL 6. 750" PROD LATERAL // F/ 21, 507' - T/ 21, 638' ( 131' @ 43. 6 FPH ) WOB 23K // RPM 40 // GPM 247 // MRPM 197 // SPP 4000 PSI. // DIFF 700 PSI. // TQ. 16K // DRILLING DOWN FLOW LINE// NO GAINS // NO LOSSES, ( TD 6 3/ 4" LATERAL @ 21, 638', FINAL PROJECTED TO BIT SURVEY= 91. 55° // 160. 30° // 11, 628. 64' TVD // 10, 120. 47' VS ON THE LINE & 48' LEFT) |
| 06:00 | 11:30 | 5.50 | DRLPRL | 07J | C & C MUD - C&C MUD - OTHER | No | 08 | 1 | 21638.00 | PERFORM CLEAN UP CYCLE @ 60 RPM @ 295 GPM, WORKING PIPE 90' WHILE CIRC., ( OFF BOTTOM PULL WEIGHT 280K & 10K TQ BEFORE CIRC, AFTER CIRC WEIGHT 250K 8K), PUMPED 31, 750 TOTAL STROKES. |
| 11:30 | 12:00 | 0.50 | DRLPRL | 08A | TRIPPING - BIT/ BHA | No | 08 | 1 | 21638.00 | SHUT DOWN PUMPS, FLOW CHECK ( STATIC) SLUG DP WITH 80 BBLS 15 PPG KILL MUD FOLLOWED BY 10 BBLS ACTIVE. PULLED 5 STANDS WITH NO DRAG, START LD 5" DP. |
| 12:00 | 00:00 | 12.00 | DRLPRL | 08I | TRIPPING - TRIPPING - OTHER | No | 08 | 1 | 21638.00 | LDDP F/ 21, 172' - T/ 9000' HOLE TAKING PROPER FILL, NO ISSUES PULLING THROUGH LATERAL |

### Personnel Hours

| Vendor | Vendor Type | Number Of People | Hours On Site | Total Hours |
|---|---|---|---|---|
| NEWLAND CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |
| AES DRILLING FLUIDS LLC | MUD ENGINEER | 1 | 24.00 | 24.00 |
| SCANDRILL INC | RIG CREWS | 12 | 24.00 | 288.00 |
| SCANDRILL INC | TOOLPUSHER | 1 | 24.00 | 24.00 |
| PHOENIX DIRECTIONAL DRILLERS | 4- MAN CREW | 4 | 24.00 | 96.00 |
| INDUSTRIAL & OILFIELD SERVICES INC | CONSULTANT | 1 | 24.00 | 24.00 |
| NOV PROCESS & FLOW TECHNOLOGIES US, INC. | 2- MAN CREW | 2 | 24.00 | 48.00 |
| CRESCENT CONSULTING LLC | CONSULTANT | 1 | 24.00 | 24.00 |

## Rig Information

KB Elevation: 2798.00 ft KB To GL : 25.00 ft

Rig(s) for today : Scan Texas Rig Manager : ROCKY BROUMLEY Rig Phone : 432-400-2272

Date and Time of Rig Release : Days From Rig Release : 0.00 Rig Fax :

## Safety

Last BOP Test(F) Date : 4/2/2018 Last BOP Pressure : 8500.000 psi Last Lot Fit : 14.50

Last Csg Date : 4/1/2018 Last Csg Pressure : 1500.000 psi Last Spills Reported :

Last BOP Drill Date : 4/5/2018 Last Test MW : 12.90 Last Accidents :

Last Fire Drill : Last Test TVD : 11717.00 ft Last Safety Meeting : 4/15/2018 18:00

Last Evac Drill : Last Test Pressure : 977.000 psi Last Safety Meeting Topic SNAKE AWARENESS / LDDP / WOF

## Contacts

Day Sup. : NICK NEWLAND Phone : 405-761-3414 Superintendent : SANTOS MOROLES Phone : 432-559-4901

| | | | | | |
|---|---|---|---|---|---|
| Night Sup. : | BRIAN EHRENBERG | Phone : | | Geologist : | ALBERT BONDURANT | Phone : | 205.568.5467 |
| Alt. Phone : | | | | Drill. Eng. : | BRANNON SMITH | Phone : | 432-818-1777 |

**Attachments**

Daily Attachment Folder(s)

# Daily Drilling Report P2

P2Wellcore

## Location Information

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

## Bottom Hole Targets

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

## Report Information

Report # : 37 Report Date : 4/16/2018

## Operations

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

## Mud Data

Mud Engineer : CLAY RICH Mud Type : Oil Base Mud Polymer Type :

| Chk | Time | Depth (ft) | Density (lbs/gal) | FV (s/qt) | YP (lbs/100 ft²) | PV (cP) | WL (cc/30 min) | Cl (ppm) | Electro Static Stability | Oil Ratio | H2O Ratio | HTHP Water Loss(cc/30 min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20:00 | 21638. | 12.70000 | 61.00 | 14 | 21.00 | 0.0 | 24337 | 519.0 | 75 | 25 | 5.0 |

## Bit Data

| Bit # | Run # | Size (in) | Mfg. | Model | IADC Code | Daily Drilled (ft) | Daily Hours | Daily ROP (ft/hr) | Cum Drilled (ft) | Cum Hrs. | Avg. ROP (ft/hr) | Depth In (ft) | Depth Out (ft) | Max WOB (M Lbs) | PSI Drop (psi) | Nozzle Velocity (ft/s) | HHP (HP) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 08 | 1 | 6.750 | HALIBURTON | GTD63 | | 263.00 | 6.00 | 43.83 | 2518.00 | 81.00 | 31.09 | 21375.00 | 21638.00 | 22.000 | 162.578 | 119.64 | 23.45 |

## BHA Data

For Bit # : 08 Mud Motor : Total Made : 263 ft

Total BHA Hours : 542.5 Total Hours : 6.00

BHA # : 08 DC OD : 4.750 in DP OD : 4.500 in BHA Length : 11564.88 ft BHA Weight 0.00 M Lbs

| Item | Jts | Length (ft) | OD (in) | ID (in) | Coupling OD (in) | Weight (lbs/ft) | Thread Type | Pin/Box |
|---|---|---|---|---|---|---|---|---|
| BITS | 1 | 1.00 | 6.750 | 0.000 | 0.000 | 0.000 | 3 1/2 REG | Pin |
| MUD MOTOR | 1 | 25.65 | 4.750 | 0.000 | 0.000 | 0.000 | 3 1/2 IF | Box |
| FLOAT SUB | 1 | 2.46 | 4.870 | 2.460 | 0.000 | 0.000 | 3 1/2 IF | Box |
| NON- MAG COLLAR | 1 | 14.20 | 4.740 | 2.740 | 0.000 | 0.000 | 3 1/2 IF | Box |
| SUBS | 1 | 3.77 | 4.800 | 2.670 | 0.000 | 0.000 | 3 1/2 IF | Box |
| SUBS | 1 | 8.34 | 5.200 | 0.000 | 0.000 | 0.000 | 3 1/2 | Box |
| SUBS | 1 | 3.33 | 5.240 | 0.000 | 0.000 | 0.000 | 3 1/2 | Box |
| SUBS | 1 | 1.64 | 5.150 | 0.000 | 0.000 | 0.000 | 3 1/2 | Box |
| NON- MAG COLLAR | 1 | 29.20 | 4.630 | 2.710 | 0.000 | 0.000 | 3 1/2 | Box |
| CROSSOVER SUB | 1 | 4.03 | 5.450 | 2.670 | 0.000 | 0.000 | 3 1/2 IF | Box |
| DRILLPIPE | 90 | 2827.38 | 4.750 | 0.000 | 0.000 | 0.000 | CET 43 | Box |
| CROSSOVER SUB | 1 | 2.95 | 5.390 | 0.000 | 0.000 | 0.000 | CET 43 X XT39 | Box |
| AGITATOR | 1 | 12.41 | 5.000 | 0.000 | 0.000 | 0.000 | XT-39 | Box |
| CROSSOVER SUB | 1 | 2.00 | 5.400 | 0.000 | 0.000 | 0.000 | XT39 X CET 43 | Box |
| DRILLPIPE | 246 | 7714.33 | 4.450 | 2.670 | 0.000 | 0.000 | CET- 43 P1 - S135 | Box |
| HWDP | 30 | 912.19 | 5.010 | 2.750 | 0.000 | 0.000 | CET-43 | Box |

## Drilling Parameters

| Bit # | Run # | Depth (ft) | WOB (M Lbs) | RPM | | GPM | Torque | | String Weight | | | Pressure | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Motor | Rotary | | On Bom (ft lbf) | Off Bom (ft lbf) | Pick Up (lbs) | Stack Off (lbs) | Rotate (lbs) | On Bom (psi) | Off Bom (psi) | Diff Press. (psi) |
| 08 | 1 | 21638.00 | 22.000 | 197 | 40 | 247 | 15.00 | 5000.00 | 240 | 140 | 185 | 3900.0 | 3250.0 | 650.0 |

## Pump Data

| Bit # | Pump 1 | | | | | Pump 2 | | | | | Pump Pressure (psi) | AV DC (ft/min) | AV DP (ft/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | Model | Stroke (in) | Liner (in) | SPM | Pump Rate (Gals/min) | | | |
| 08 | BOMCO 1600 | 12.000 | 5.000 | 85 | 247.122 | BOMCO 1600 | 12.000 | 5.000 | 0 | 0.000 | 3900.00 | 263 | 239 |

## Reduced Speed Pumps

| Depth(ft) | Pump 1 | | | Pump 2 | | |
|---|---|---|---|---|---|---|
| | Model | Pressure (psi) | SPM | Model | Pressure (psi) | SPM |
| 21638.00 | BOMCO 1600 | 1330.0 | 30 | BOMCO 1600 | 1275.0 | 30 |
| 21638.00 | BOMCO 1600 | 1480.0 | 40 | BOMCO 1600 | 1475.0 | 40 |

# Daily Drilling Report P3

P2Wellcore

**Location Information**

| | |
|---|---|
| AREA | Permian |
| COST POOL | DB EEX CP |
| BUDGET AREA | EEX-Block 20 |
| Well Name | UL 20 STRIPES 38-47 601H |
| Property Number | 43STRIPES601 |
| Prospect | |

**Bottom Hole Targets**

| UWI | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Report Information**

Report # : 37 Report Date : 4/16/2018

**Operations**

Event Objective : Scan Texas D&C DB DEV WC A

Event Sub Type : Drilling Prod

**Drill Bottom Hole Targets**

| Bottom Hole Location | API / License # |
|---|---|
| Sec 47, Blk 20, 200' FSEL & 330' FSWL | 4249533792 |

**Survey Data**

| Depth (ft) | Deviation | Azimuth | TVD (ft) | N/S | N/S (ft) | E/W | E/W (ft) | Vertical Section (ft) | Dog Leg |
|---|---|---|---|---|---|---|---|---|---|
| 21403.00 | 89.02 | 160.8 | 11629.47 | | -9470.92 | | 2834.91 | 9885.87 | 0.50 |
| 21498.00 | 89.39 | 160.7 | 11630.79 | | -9560.58 | | 2866.29 | 9980.73 | 0.41 |
| 21585.00 | 91.55 | 160.3 | 11630.08 | | -9642.57 | | 2895.36 | 10067.58 | 2.48 |
| 21638.00 | 91.55 | 160.3 | 11628.64 | | -9692.45 | | 2913.22 | 10120.47 | 0.00 |

**Hook Loads**

| | | |
|---|---|---|
| Up : | 240 | |
| Down : | 140 | |
| Rotating : | 185 | |
| Torque : | 0 | Amps |
| Torque : | 16000.00 | ft lbf |

**Comments**

UL 20 STRIPES 38-47-601H RIG MOBILIZATION BEGAN: 3/11/18 @ 13:00HRS.
RIG ON DAYRATE @ 04:30 HRS, 03/16/2018
SPUD WELL @ 1900 HRS, 03-16-18
(108 HR. RIG MOVE)
RELEASED RIG OFF OF PEGASUS 23-35-16#251H ON 03/11/18 @ 13:00 HRS .

NOTIFIED TRRC: SPUD/SURFACE: 03/15/17,10 AM, MICHELLE, JOB #123292
NOTIFIED TRRC: INTERMENT-03/22/18, 6:00AM, NAOMI, JOB # 123292
NOTIFIED TRRC: 2ND INTERMEDIATE: 03-31-18, 8:00AM, AUDREY OP 2, JOB#123292
NOTIFIED TRRC: PRODUCTION: 04/16/17 09:45 BECKY, JOB #123292

RESUMED DRILLING OPERATIONAL HRS. = 725 ( 30.29 DAYS)

UL 20 STRIPES 38-47 601H: INSPECT 372 OF 372 JOINTS OF SCAN RIG PIPE BY RED RIVER TO DS1 CAT-4 PLUS UTEA, HAVE 293 JTS PREMIUM READY (7 JTS NEED HARDBANDING) 71 JTS ACCEPTED PREMIUM READY NEEDING SHOP REPAIR 18 BOXES & 52 PINS FOR PITTING & 1 PIN FOR HANDLING DAMAGE// (3 JT CLASS II RED BAND (INTERNAL PITTING), 3 JT CLASS III RED BAND (INTERNAL EMI/UTI), 2 JTS CLASS V SURFACE CRACKS ON PIN. (71 JOINTS SENT IN FOR REPAIRS AND 8 JOINTS REPLACED BY SCAN). ALSO INSPECTED 115 JTS SCAN 5" RENTAL DP ,114 JTS PREMIUM READY, 1 JOINT BEND PREMIUM READY.

DAYS SINCE LAST LTA: (1277 DAYS ): LAST OSHA RECORDABLE INCIDENT: ( 514 )

CREW SHORTAGES ( LAST 24HRS / TOTAL HRS ): 0 / 0
CREW DOUBLES (LAST 24 HRS / TOTAL HRS): 0 / 0
NON PRODUCTIVE TIME (LAST 24HRS / TOTAL HRS): 0 HRS. / 11.5 HRS.
RIG DOWNTIME CODE 8: (LAST 24 HRS / TOTAL HRS ON WELL) – 0 HRS / 1.5 HRS
1.5 HRS CODE 8 ON 3/17/18 STRIPES 601H

20" CONDUCTER SET @ 146'
13 3/8" SURFACE: SET @ 437' W/FC @ 394' CIRC 31 BBLS CMT
10 3/4" 1 INTERMEDIATE: SET @ 4965' NO CMT TO SUF
7 5/8" 2 INTERMEDIATE SET @11,895' (5BBLS CEMEMENT TO SURFACE) F/C @11849' W/ BAFFLE,. CONTINGENCY BAFFLE @ 4937', DV/ECP @ 4825'
5 1/2" PRODUCTION: SET @

OBM LOST TO WELL (LAST 24 HRS / TOTAL BBLS): 44 BBLS / 991 BBLS
OBM LOST BEHIND CASING: 0 BBLS
OBM LOST: 0 BBLS TO FORMATION
OBM LOST: 19 BBLS TO CUTTINGS
OBM LOST: 32 BBLS TO CLEANING PITS,DISCHARGE OVER SHAKERS, LOST ON DISPLACEMENT, SURFACE LOSSES, CENTRIFUGE LOSSES
ADDITIONS- 56 BBL
OBM RECOVERED FROM NOV DRYER SHAKERS -0 BBL/ 0 BBLS RECOVERED TO DATE.
STARTING OBM VOLUME: 2027 BBLS TOTAL VOLUME: 2322 BBLS
TRANSFERRED OUT 0 BBLS

STARTING RIG FUEL: RIG = 1754 GALS TRANSFERED FROM PEGUSAS 23-35-16 #251 0 GALS OBM DIESEL, 0 GALS AUX. DIESEL

DIESEL USAGE:
RIG FUEL ( DAILY/TOTAL ): 852 / 27246 GALS
MUD DIESEL ( DAILY/TOTAL ): 1772/ 28253 GALS
AUXILIARY EQUIPMENT (DAILY/TOTAL): 26/ 1970 GALS
CERTARUS CNG (DAILY/ TOTAL) 566.51 MCF / 29,185.01 TOTAL MCF
---
ORIGINAL TARGET LINE - @ 11,755' TVD 90° 163.73° AZM
PLAN 2 CHANGED 03-27-18 @ 11,810' TVD 90° 163.73° AZM
PLAN 3 CHANGED 03-27-18 @ 11,840' TVD 90 DEGREES
PLAN #4 CHANGED 04/04/18 @ VS=0', inclination= 91.00 degrees, at TVD = 11,869.1'
PLAN #5 CHANGED 04/08/18 @ VS=0', INCLINATION=92° @ 11,942.5' TVD
PLAN #6 CHANGED 04/14/18 @ VS=0' @ 11,718' TVD @ 90.5°
---
***NO LEAKS OR SPILLS REPORTED OR OBSERVED***
_____
BHA #8: = BIT #8 -6.75" HALLIBURTON GTC63C SER# 12951220 W/ 6-12' S TFA= ..6627 // 5' (MAX OD 5.36")
PHOENIX/NOV FIXED MUD MOTOR SET @ 1.83° ( 6/7 LOBE, 6.4 STG., .80 REV/GAL ) // FLOAT SUB // NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // NMDC // X-OVER 3 1/2 IF X CET 43 // 90 JOINTS CET 43 DP // X-OVER CET 43 X XT39 // AMEGA WEST 5" AGITATOR // X-OVER XT39 X CET 43 // 246 JOINTS CET-43 DP // 30 JOINTS CET-43 HWDP = TOT. LGTH. = 11564.88 // BIT TO BEND 5.83' // BIT TO SURVEY 53' // BIT TO GAMMA 49.98' // DEPTH IN 19,129' // DEPTH OUT 21,638' // FTG. DRILLED 2518' // TOTAL DRLG HRS. 81 // TOTAL MTR HRS. 88 // AVG R.O.P. 30 FPH // REASON PULLED = TD // BIT GRADE= XXXXXXX

BHA #7:BIT #7 -6.75" GTC63C SER# 129837714 W/ 6-12' S TFA= .566 // 4.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.83° ( 6/7 LOBE, 6.4 STG., .80 REV/GAL )FLOAT SUB// NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 4.75" NMDC PONY// X-OVER 3 1/2 IF X CET 43 /90 JOINTS OF CET 43 DP / X-OVER CET 43 X XT39// AGITATOR// X-OVER XT39 X CET 43 = TOT. LGTH. =2936.18 // BIT TO BEND 4.83 // BIT TO SURVEY 53' // BIT TO GAMMA 50.19' // DEPTH IN 11,900' // DEPTH OUT 19,129' // FTG. DRILLED 7229' // TOTAL DRLG HRS. 199 // TOTAL MTR HRS. 208.5 // AVG R.O.P. 36.3 FPH // REASON PULLED = HOURS // BIT GRADE= 4-2-FC-N-I-BT-HR

BHA#6 BIT #6 -9.875" CF613 SER# 35567 W/ 5-16S 1-18'S TFA= 1.2303 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 2.12° ( 4/5 LOBE, 5.3 STG., .253 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY// XO /30 JOINTS OF DP / 27 JNTS HWDP = TOT. LGTH. = 1856.24' // BIT TO BEND 6.41 // BIT TO SURVEY 52' // BIT TO GAMMA 48.96' // DEPTH IN 11,121' // DEPTH OUT 11,900' // FTG. DRILLED 779' // TOTAL DRLG HRS. 23.5 // TOTAL MTR HRS. 28 // AVG R.O.P. 33.1 FPH // REASON PULLED = CASING POINT, BIT GRADE= 2-4-CT-S-I-BT-TD

RE-RUN BHA #5: BIT #5-9.875" CF613 SER# 34734 W/ 5-16'S & 1-18 TFA= 1.2305 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1179.01' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 10,213" // DEPTH OUT 11,121' // FTG. DRILLED 908' // TOTAL DRLG HRS. 29.5 // TOTAL MTR HRS. 31.5 // AVG R.O.P. 30.8 FPH // REASON PULLED = KOP/BHA // BIT GRADE= 1-2-CT-S-I-CT-BHA

BHA #5: BIT #4-9.875" CF717 SER# 36022 W/ 7-16'S TFA= 1.3744 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1179.01' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 8563' // DEPTH OUT 10213' // FTG. DRILLED 1650' // TOTAL DRLG HRS. 45 // TOTAL MTR HRS. 50 // AVG R.O.P. 36.3 FPH // REASON PULLED = LOW ROP, BIT GRADE= 8-4-BT-A-I-CT-PR

BHA #4: BIT #3-9.875" SMITH XZ616 SER# JN7079 W/ 6-16'S TFA= 1.767 // 7.75" PHOENIX/NOV ADJ., MUD MOTOR SET @ 1.50° ( 7/8 LOBE, 4 STG., .16 REV/GAL ) NMPC // XO // VELOCITY= (XO SUB, GROUNDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // 27 JNTS HWDP = TOT. LGTH. = 1178.28' // BIT TO BEND 6.43 // BIT TO SURVEY 50' // BIT TO GAMMA 46' // DEPTH IN 4970' // DEPTH OUT 8563' //

FTG. DRILLED 3583' // TOTAL DRLG HRS. 36.5 // TOTAL MTR HRS. 39.5 // AVG R.O.P. 98.4 FPH // REASON PULLED = LOW PR// BIT GRADE= 8-2-CR-N-1-CT-PR

BHA #3: BIT #2-12.250" SMITH XS716S SER# ED1338 W/ 2-14'S & 5 X 15'S TFA= 1.163 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 11.25 OD IBS // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) // 8" NMDC PONY // 11.25 OD IBS // 9-8" DC'S // XO // = TOT. LGTH. = 370.23' // BIT TO BEND 6.43 // BIT TO SURVEY 57' // BIT TO GAMMA 52.81' // DEPTH IN 445' // DEPTH OUT 4970' // FTG. DRILLED 4525' // TOTAL DRLG HRS. 62 // TOTAL MTR HRS. 68 // AVG R.O.P. 72.2 FPH // REASON PULLED = TD CASING POINT ? // BIT GRADE= 1-5-BT-S-1-BT-TD

BHA #2: RE-RUN BIT #1-17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" BIT SUB // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 253.16' // BIT TO SURVEY 48' // BIT TO GAMMA 31' // DEPTH IN 300' // DEPTH OUT 445' // FTG. DRILLED 145' // TOTAL DRLG HRS. 3.5 // TOTAL MTR HRS. N/A // AVG R.O.P. 41.4 FPH // REASON PULLED = TD // BIT GRADE=1-2-NO-G-I-NO-TD

BHA #1: 17.5" ULTERRA CF616 SER# 39306 W/ 9-13'S TFA=1.166 // 8" PHOENIX/NOV ADJ. W/17" NB STAB. MUD MOTOR SET @ 1.83° ( 7/8 LOBE, 4 STG., .166 REV/GAL ) // 8" SHOCK SUB // 8" NMPC // XO // VELOCITY= (LANDING SUB, CENTRALIZER SUB, GAP SUB) 8" NMDC PONY // 6-8" DC'S // XO // = TOT. LGTH. = 278.09' // BIT TO BEND 6.43' // BIT TO SURVEY 76' // BIT TO GAMMA 59' // DEPTH IN 146' // DEPTH OUT 300' // FTG. DRILLED 154' // TOTAL DRLG HRS. 15.5 // TOTAL MTR HRS. 18 // AVG R.O.P. 9.94 FPH // REASON PULLED = P-RATE // BIT GRADE = 1-2-NO-G-I-NO-PR

## Solids Removal

### Shakers

| Shaker # | Bottom | Middle | Top |
|---|---|---|---|

### Other Solids Removal Equipment

| Item | Hrs Run | Intake Density (lbs/gal) | Overflow Density (lbs/gal) | Underflow Density (lbs/gal) |
|---|---|---|---|---|

## Mud Log

Formation :

Background Gas : 100

Connection Gas : 144

Flare Length :

Trip Calc :

## Well Incident

Report # :

Incident Date :

Report Date :

Problem Name :