



SAFETY MEETING / JOB SAFETY ANALYSIS



<div>EP ENERGY</div> <div>Daily Drilling Report Onshore</div>		Well Name/Wellbore No.: UNIVERSITY CENTRAL 0112CH/00		Report Number: 006 API #: 4238339682											
		Country: USA State/OCSG TEXAS Field/Permit#: WOLFCAMP CENTRAL Supervisors: BRAD MACAFEE / JOE WILKERSON Engineer/Manager: WILLIAMS, RYAN / MARES, SERGIO		Report Date: 10/30/2016 Spud Date: 10/26/2016 Release Date: DFS: 3.95 DOL: 5 AFE Days: 8 Last BOP T.: 10/26/2016											
Data shared on this report is CONFIDENTIAL															
Depth md/tvd (ft): 12,394.02/ 8,062.80		Rig: NABORS DRILLING/888													
Progress (ft): 1,484.00		Rig Phone: 713-997-1160													
ROP: 1,484.0 / 11.00 = 134.91		RKB (ft): 2,968.01													
Proposed TD (ft): 18,328.10		Ground Level (ft): 2,942.0													
Next Csg Point (ft): 18,355.04		POB: 28 Total Man Hours: 322.00													
Current Activity: POOH @ 10,000'. PTB 91.81° INC, 183.95° AZM, 4.4' BELOW, 7.8' LEFT. TOTAL LATERAL 4,095'.															
24 Hr Summary: TRIP FOR LATERAL BHA DUE TO MOTOR FAILURE. DRILL LATERAL. CIRCULATE HOLE CLEAN. POOH FOR BIT & MOTOR.															
24 Hr Forecast: TRIP FOR LATERAL BHA - DRILL LATERAL.															
MUD PROPERTIES		MUD MATERIALS		BIT RECORD		CASING									
Fluids Co.: HALLIBURTON				Bit# 3		Size(in) MD(ft)/TVD(ft) FIT/LOT(ppg)									
Fluids Eng: WESLEY VAUGHN				S/N 7161649 7160715		14.00 67.00 / 67.00									
Time: 0:00 Oil Cnt (%): 68		Mud Additives Used		Size (in) 8.50 8.50		9.63 954.00 / 954.00									
Location: JCTION TANK H2O Cnt (%): 23		SUSPENTONE 4		Mfg BAKER BAKER		5.50 18,355.04 / 8,052.02									
Pit Temp (°F): 137 Sand Cnt (%): 0.01		SHRINK WRAP 12		IADC Type											
Depth (ft): 11,934.02 MBT (lbm/bbl): 0.0		BAROID RIG WASH 1		Model # T606X T606X											
Density (ppg): 8.90 pH: 0.0		CALCIUM CHLORIDE PO 132													
FV (s/qt): 55 Pm (cc): 0.0		GELTONE 9		Jets 6X22 6X22											
PV (cp): 15 Pf (cc)/Mf (cc): 0.0 / 0.0		EZ MUL 1		Depth In (ft) 8,302 10,910											
YP (lb/100ft²): 15 Chloride (ppm): 0		INVERMUL 1		Depth Out (ft) 10,910 12,394											
Gels (): 13/19/22 Calcium (ppm): 0.00		TRANSPORTATION 411		Bit Rotations / 50/65											
WL (cc/30min): 10.40 LCM (lbm/bbl): 0.0		LIME 18		Op Btm Hrs Cum 11.00											
HTHP (°F): 250 ES (mV): 584.0		BARITE 41 80		Footage Cum (ft) 1,484											
Cake (32nd"): 2.00 LGS (%): 5.40		RM-63 1		ROP Cum 168.3 134.9											
Solids (lbm/bbl): 59 Ex Lime (ppb): 4.4		MUD ENGINEER 1		WOB mn/mx (kip) / 25 / 40											
ECD (ppg): 9.6 OWR: 74.7 / 25.3		FUEL SURCHARGE 300		RPM rot/bit / 50 / 65											
				Bit HP 0.40 797.40											
				HSI 0.18 358.01											
				PSI Drop (psi) 36.71 5,851.82											
				Jet Vel (ft/s) 67.89 857.26											
				Imp Force 147.56 23,523.91											
				Grading I O D L B G O R											
				Bit # 3 2 5 BT S X I CT DMF											
				Bit # 3 8 BT A X 2 BT PR											
MUD LOGGING				INVENTORY											
Trip Gas (units): @ BG Gas (units): Surf to Surf: Lag Strokes: Lag Time: (min)				Item Inv											
Conn Gas (units): @ Pore Pressure: (%)				MUD DIESEL 4,800											
				DIESEL 12,034											
				SOLIDS CONTROL											
				Skr Deck 1 Screens Deck 2 Screens											
				1 100///											
				2 100///											
				3 100///											
BHA # 4						STRING LOADS		MUD PUMPS							
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque:	19,000		#1 #2 #3						
1	BAKER T606X (6x22)		8.500	1.00	1.00	Off Btm Torque:	8,000	Pump Type:	DR DR						
1	RYAN 6 3/4" 7/8 5.0 1.75 FBH MUD		6.750	25.65	26.65	Str. Wt. Up:	245	Liner ID:	5.50 5.50						
1	PONY DC	2.875	6.437	10.10	36.75	Str. Wt. Down:	170	SPM:	84.00 84.00						
1	EM TOOL	2.750	6.750	31.19	67.94	Str. Wt. Rot.:	210	GPM:	295.47 295.47						
1	NMDC	3.250	6.500	30.18	98.12	Max Over Pull:		SPR:							
90	5" DP	4.276	5.000	2,839.96	2,938.08			1 SPM:	50.00 0.00						
1	AGITATOR	2.500	6.687	12.97	2,951.05			Pressure:	800.00 0.00						
1	SHOCK SUB	2.500	6.687	11.94	2,962.99			2 SPM:	60.00 0.00						
	5" DP	4.276	5.000	9,431.04	12,394.02			Pressure:	910.00 0.00						
Total Length:						12,394.02		T GPM (gpm): 595 SPP (psi): 4,200							
						BHA PROPERTIES		AV (DC): 480 AV (DP): 289							
						BHA Hrs: 11									
						Jar Hrs:									
						Cum String Hours: 11									
						Weight B Jars (kip):									
SURVEYS															
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)		V Section (ft)		+E/-W (ft)		+N/-S (ft)		Dog Leg (°/100ft)	
11,617		89.81		181.31		8,056		-3,446.17		220.11		-3,446.17		0.59	
11,712		89.44		180.96		8,056		-3,541.15		218.23		-3,541.15		0.54	
11,806		91.00		180.61		8,056		-3,635.14		216.94		-3,635.14		1.70	
11,901		88.81		182.72		8,056		-3,730.08		214.18		-3,730.08		3.20	
11,996		90.56		183.24		8,057		-3,824.95		209.25		-3,824.95		1.92	
12,091		87.63		182.72		8,058		-3,919.80		204.31		-3,919.80		3.13	
12,185		89.06		183.42		8,061		-4,013.62		199.28		-4,013.62		1.69	
12,280		88.19		182.72		8,063		-4,108.46		194.19		-4,108.46		1.18	
OPERATION DETAILS															
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION								
06:00	10:00	4.00	N	DRLPRD	57	DIRFAIL	POOH & LD BHA / BIT . HOLE SLICK .								
10:00	16:00	6.00	N	DRLPRD	57	DIRFAIL	M/U LATERAL BHA (NEW 1.75" MOTOR & NEW EM TOOL) AND NEW 8-1/2" T606X BIT #4 (P/U NEW AGITATOR AND SHOCK SUB @ 30 STANDS IN). TIH BREAKING CIRC EVERY 30 STANDS. HOLE SLICK. RE-LOGGED LAST STAND.								
16:00	03:00	11.00	P	DRLPRD	10	DRLLAT	DRILLED LATERAL 10,910'-12,394' . FINAL ROP 30 FPH. NO LOSSES. 1,484'/11 HRS 135 FPH AVERAGE ROP.								
03:00	05:00	2.00	P	DRLPRD	15	CIRC	CIRCULATE HOLE CLEAN. FLOW CHECK, WELL STATIC. PUMP SLUG.								
05:00	06:00	1.00	P	DRLPRD	13	TRIP	POOH WITH LATERAL BHA FOR NEW BIT & MOTOR.								
Daily Operations Comments															
UTILIZING DIRECTIONAL PLAN #6. 85 DEGREES @ 8,299' MD. TOTAL MUD LOST 0 BBLs.															

EP ENERGY

Daily Drilling Report Onshore

Data shared on this report is CONFIDENTIAL

Well Name/Wellbore No.: UNIVERSITY CENTRAL 0112CH/00

Country: USA

State/OCSG: TEXAS

Field/Permit#: WOLFCAMP CENTRAL

Supervisors: BRAD MACAFEE / JOE WILKERSON

Engineer/Manager: WILLIAMS, RYAN / MARES, SERGIO

Report Number: 007

Report Date: 10/31/2016

Spud Date: 10/26/2016

Release Date: DFS: 4.95

Last BOP T.: 10/26/2016

API #: 4238339682

AFE Days: 8

Depth md/tvd (ft): 13,469.03 / 8,031.28

Progress (ft): 1,075.00

ROP: 1,075.0 / 9.50 = 113.16

Proposed TD (ft): 18,328.10

Next Csg Point (ft): 18,355.04

Rig: NABORS DRILLING/888

Rig Phone: 713-997-1160

RKB (ft): 2,968.01

Ground Level (ft): 2,942.0

POB: 28

Total Man Hours: 322.00

Current Activity: DRILLING LATERAL @ 13,469'. PTB 92° INC, 179.55° AZM, 1.4' ABOVE , 11.4' LEFT . TOTAL LATERAL 5,170' .

24 Hr Summary: TRIP FOR LATERAL BHA (CUT & SLIP DRILL LINE). DRILL LATERAL. PERFORM CLEAN UP CYCLE DUE TO SLOUGHING SHALE. DRILL LATERAL

24 Hr Forecast: DRILL LATERAL.

MUD PROPERTIES

Fluids Co.: HALLIBURTON

Fluids Eng: WESLEY VAUGHN

Time: 0:00

Location: JCTION TANK

Pit Temp (°F): 135

Depth (ft): 12,615.03

Density (ppg): 8.95

FV (s/qt): 62

PV (cp): 15

YP (lb/100ft²): 15

Gels (l): 14/21/26

WL (cc/30min): 10.80

HTHP (°F): 250

Cake (32nd"): 2.00

Solids (lbm/bbl): 60

ECD (ppg): 9.6

Oil Cnt (%): 67

H2O Cnt (%): 24

Sand Cnt (%): 0.01

MBT (lbm/bbl): 0.0

pH: 0.0

Pm (cc): 0.0

Pf (cc)/Mf (cc): 0.0 / 0.0

Chloride (ppm): 0

Calcium (ppm): 0.00

LCM (lbm/bbl): 0.0

ES (mV): 693.0

LGS (%): 5.10

Ex Lime (ppb): 4.3

OWR: 73.8 / 26.4

MUD MATERIALS

Mud Additives

CALCIUM CHLORIDE PO

LIME

BAROID 41

INVERMUL

Factant

MUD ENGINEER

Used

112

50

80

1

1

1

BIT RECORD

Bit#

S/N

Size (in)

Mfg

IADC Type

Model #

Jets

Depth In (ft)

Depth Out (ft)

Bit Rotations

On Btm Hrs Cum

Footage Cum (ft)

ROP Cum

WOB mn/mx (kip)

RPM rot/bit

Bit HP

HSI

PSI Drop (psi)

Jet Vel (ft/s)

Imp Force

7160715

8.50

BAKER

BAKER

T606X

T606X

6X22

6X22

10,910

12,394

/

9.50

1,075

113.2

/

25 / 35

60 / 60

0.73

0.33

0.33

55.29

83.09

222.26

Grading

Bit #

Bit #

I

O

D

L

B

G

O

R

3

8

BT

A

X

2

BT

PR

CASING

Size(in)

MD(ft)/TVD(ft)

FIT/LOT(ppg)

14.00

67.00 /

67.00

9.63

954.00 /

954.00

5.50

18,355.04 /

8,052.02

INVENTORY

Item

Inv

MUD DIESEL

4,800

DIESEL

13,067

SOLIDS CONTROL

Skr

Deck 1 Screens

Deck 2 Screens

1

100///

2

100///

3

100///

BHA # 5

Qty

Item Description

ID (in)

OD (in)

Len (ft)

Cum (ft)

1

BAKER T606X (6x22)

8.500

1.00

1.00

1

RYAN 6 3/4" 7/8 5.0 1.75 FBH MUD

6.750

25.65

26.65

1

PONY DC

2.875

6.437

10.10

36.75

1

EM TOOL

2.750

6.750

31.19

67.94

1

NMDC

3.250

6.500

30.18

98.12

90

5" DP

4.276

5.000

2,839.96

2,938.08

1

AGITATOR

2.500

6.687

12.97

2,951.05

1

SHOCK SUB

2.500

6.687

11.94

2,962.99

5" DP

4.276

5.000

9,431.04

12,394.02

Total Length:

12,394.02

STRING LOADS

On Btm Torque:

Off Btm Torque:

Str. Wt. Up:

Str. Wt. Down:

Str. Wt. Rot.:

Max Over Pull:

20,000

8,500

255

165

210

BHA PROPERTIES

BHA Hrs:

Jar Hrs:

Cum String Hours:

Weight B Jars (kip):

0

MUD PUMPS

#1

#2

#3

Pump Type:

DR

DR

Liner ID:

5.50

5.50

SPM:

82.00

82.00

GPM:

288.43

288.43

SPR:

1 SPM:

50.00

0.00

Pressure:

740.00

0.00

2 SPM:

60.00

0.00

Pressure:

870.00

0.00

T GPM (gpm): 570

SPP (psi): 4,200

AV (DC): 464

AV (DP): 276

SURVEYS

MD (ft)

Inclination(°)

Azimuth (°)

TVD (ft)

V Section (ft)

+E/-W (ft)

+N/-S (ft)

Dog Leg (°/100ft)

12,659

92.63

176.04

8,051

-4,486.50

189.66

-4,486.50

1.88

12,753

92.50

178.85

8,047

-4,580.30

193.85

-4,580.30

2.99

12,848

89.63

177.09

8,045

-4,675.21

197.21

-4,675.21

3.54

12,942

89.63

180.26

8,046

-4,769.17

199.39

-4,769.17

3.37

13,037

90.94

180.43

8,045

-4,864.17

198.82

-4,864.17

1.39

13,132

92.31

180.43

8,043

-4,959.12

198.10

-4,959.12

1.44

13,227

94.25

179.20

8,037

-5,053.96

198.41

-5,053.96

2.42

13,322

90.75

179.55

8,033

-5,148.85

199.44

-5,148.85

3.70

OPERATION DETAILS

FROM

TO

HRS

OP CODE

PHASE

CODE

ACTIVITY

DESCRIPTION

06:00

09:30

3.50

P

DRLPRD

13

TRIP

POOH & LD MOTOR / BIT . HOLE SLICK .

09:30

10:30

1.00

P

DRLPRD

14

PULDSTR

M/U LATERAL BHA (NEW 1.75" MOTOR) AND NEW 8-1/2" T606X BIT #5 . TIH TO 878'.

10:30

13:00

2.50

P

DRLPRD

17

CUTSLIP

CUT & SLIP DRILL LINE. CHANGE OUT TOP DRIVE SAVER SUB. SERVICE TOP DRIVE.

13:00

18:30

5.50

P

DRLPRD

13

TRIP

TIH BREAKING CIRC EVERY 30 STANDS (P/U AGITATOR AND SHOCK SUB @ 30 STANDS IN). HOLE SLICK. W&R LAST 2 STANDS TO BOTTOM.

18:30

21:00

2.50

P

DRLPRD

10

DRLLAT

DRILLED LATERAL 12,394' - 12,554' . 1"x 1 1/2" x 1/4" DARK SLOUGHING SHALE OBSERVED AT SHAKERS.

21:00

22:30

1.50

N

DRLPRD

15

CIRC

CIRCULATE HOLE CLEAN. PUMPED HIGH SWEEP. APROX 1/2 BBL OF 1"x 1 1/2" x 1/4" DARK SLOUGHING SHALE. RECOVERED IN OPEN TOP ON FIRST BOTTOMS UP.

22:30

00:00

1.50

P

DRLPRD

10

DRLLAT

DRILLED LATERAL 12,554'-12,720'. NO SLOUGHING SHALE OBSERVED.

00:00

00:30

0.50

N

DRLPRD

71

OTHERTR

TROUBLE SHOOT PRESSURE LOSS. ISOLATE & CHECK PRESSURE ON PUMPS INDIVIDUALLY, FOUND DEBRIS UNDER VALVE IN #1 PUMP. CHANGED SWAB ON #1 PUMP.

00:30

06:00

5.50

P

DRLPRD

10

DRLLAT

DRILLED LATERAL 12,720'-13,469'. NO SLOUGHING SHALE OBSERVED.

Daily Operations Comments

UTILIZING DIRECTIONAL PLAN #6. 85 DEGREES @ 8,299' MD. TOTAL MUD LOST 0 BBLs.

<div>EP ENERGY</div> <div>Daily Drilling Report Onshore</div>		Well Name/Wellbore No.: UNIVERSITY CENTRAL 0112CH/00		Report Number: 009 API #: 4238339682											
		Country: USA State/OCSG TEXAS Field/Permit#: WOLFCAMP CENTRAL Supervisors: BRAD MACAFEE / JOE WILKERSON Engineer/Manager: WILLIAMS, RYAN / MARES, SERGIO		Report Date: 11/02/2016 Spud Date: 10/26/2016 Release Date: DFS: 6.95 DOL: 8 AFE Days: 8 Last BOP T.: 10/26/2016											
Data shared on this report is CONFIDENTIAL															
Depth md/tvd (ft): 16,930.03/ 8,019.19		Rig: NABORS DRILLING/888													
Progress (ft): 2,419.00		Rig Phone: 713-997-1160													
ROP: 2,419.0 / 23.50 = 102.94		RKB (ft): 2,968.01													
Proposed TD (ft): 18,328.10		Ground Level (ft): 2,942.0													
Next Csg Point: 18,355.04		POB: 25 Total Man Hours: 304.00													
Current Activity: DRILLING LATERAL @ 16,930'. PTB 88.31° INC, 183.24° AZM, 2.7' BELOW, 31' LEFT . TOTAL LATERAL 8,631' .															
24 Hr Summary: DRILL LATERAL.															
24 Hr Forecast: DRILL LATERAL TO TD. CIRC HOLE CLEAN. POOH TO BOC, CIRC HOLE CLEAN. POOH.															
MUD PROPERTIES		MUD MATERIALS		BIT RECORD		CASING									
Fluids Co.: HALLIBURTON Fluids Eng: WESLEY VAUGHN				Bit# 6 S/N 1281606 Size (in) 8.50 Mfg HALLIBURTON IADC Type Model # MM65D		Size(in) MD(ft)/TVD(ft) FIT/LOT(ppg)									
Time: 0:00 Oil Cnt (%): 68		Mud Additives Used		Jets 6X22		14.00 67.00 / 67.00									
Location: JCTION TANK H2O Cnt (%): 23		TRANSPORTATION 432		Depth In (ft) 14,136		9.63 954.00 / 954.00									
Pit Temp (°F) 150 Sand Cnt (%): 0.01		CALCIUM CHLORIDE PO 168		Depth Out (ft)		5.50 18,355.04 / 8,052.02									
Depth (ft): 16,475.03 MBT (lbm/bbl): 0.0		MUD ENGINEER 1		Bit Rotations 60/60											
Density (ppg): 8.95 pH: 0.0		INVERMUL 1		On Btm Hrs Cum 26.50											
FV (s/qt): 55 Pm (cc): 0.0		LIME 20		Footage Cum (ft) 2,794											
PV (cp): 15 Pf (cc)/Mf (cc): 0.0 / 0.0		BAROID RIG WASH 1		ROP Cum 105.4											
YP (lb/100ft²): 14 Chloride (ppm): 0		SUSPENTONE 5		WOB mn/mx (kip) / 25 / 36											
Gels (l): 13/21/24 Calcium (ppm): 0.00		SHRINK WRAP 14		RPM rot/bit 60 / 60											
WL (cc/30min): 10.00 LCM (lbm/bbl): 0.0		FUEL SURCHARGE 300		Bit HP 0.37											
HTHP (°F): 250 ES (mV): 789.0				HSI 0.17											
Cake (32nd"): 2.00 LGS (%): 5.10				PSI Drop (psi) 35.16											
Solids (lbm/bbl): 60 Ex Lime (ppb): 3.9				Jet Vel (ft/s) 66.26											
ECD (ppg): 9.9 OWR: 74.7 / 25.3				Imp Force 141.33											
MUD LOGGING				Grading I O D L B G O R											
Trip Gas (units): @ BG Gas (units):		Surf to Surf:		Bit #											
Conn Gas (units): @		Lag Strokes:		Bit # 6											
Form:		Pore Pressure: (%)													
		Lag Time: (min)													
BHA # 6				STRING LOADS		MUD PUMPS									
Qty	Item Description	ID (in)	OD (in)	Len (ft)	Cum (ft)	On Btm Torque: 21,000	#1	#2	#3						
1	HES MM65D (6x22)		8.500	1.00	1.00	Off Btm Torque: 10,000	Pump Type: DR	DR							
1	RYAN 6 3/4" 7/8 5.0 1.75 FBH MUD		6.750	25.60	26.60	Str. Wt. Up: 260	Liner ID: 5.50	5.50							
1	PONY DC	2.875	6.437	10.10	36.70	Str. Wt. Down: 140	SPM: 79.00	79.00							
1	EM TOOL	2.750	6.750	31.19	67.89	Str. Wt. Rot.: 205	GPM: 277.88	277.88							
1	NMDC	3.250	6.500	30.18	98.07	Max Over Pull:	SPR: 1 SPM: 60.00	0.00							
90	5" DP	4.276	5.000	2,839.96	2,938.03		Pressure: 940.00	0.00							
1	AGITATOR	2.500	6.687	12.97	2,951.00		2 SPM: 50.00	0.00							
1	SHOCK SUB	2.500	6.687	11.94	2,962.94		Pressure: 810.00	0.00							
	5" DP	4.276	5.000	13,967.10	16,930.03										
					Total Length: 16,930.03										
						BHA PROPERTIES									
						BHA Hrs: 24									
						Jar Hrs:									
						Cum String Hours: 27									
						Weight B Jars (kip):									
SURVEYS															
MD (ft)		Inclination(°)		Azimuth (°)		TVD (ft)		V Section (ft)		+E/-W (ft)		+N/-S (ft)		Dog Leg (°/100ft)	
16,162		89.13		184.65		8,013		-7,986.13		185.10		-7,986.13		2.61	
16,256		90.75		184.12		8,013		-8,079.85		177.91		-8,079.85		1.81	
16,351		88.94		183.42		8,013		-8,174.64		171.67		-8,174.64		2.04	
16,446		91.06		181.13		8,013		-8,269.55		167.89		-8,269.55		3.28	
16,541		89.75		180.78		8,012		-8,364.53		166.31		-8,364.53		1.43	
16,635		89.88		184.30		8,013		-8,458.42		162.15		-8,458.42		3.75	
16,730		88.75		184.12		8,014		-8,553.16		155.17		-8,553.16		1.20	
16,825		88.31		183.24		8,016		-8,647.93		149.08		-8,647.93		1.04	
OPERATION DETAILS															
FROM		TO		HRS		OP CODE		PHASE		CODE		ACTIVITY		DESCRIPTION	
06:00		06:30		0.50		P		DRLPRD		12		RIGSVC		RIG SERVICE.	
06:30		06:00		23.50		P		DRLPRD		10		DRLLAT		DRILLED LATERAL 14,511'- 16,930'. NO RUBBLE OBSERVED AT SHAKERS. NO LOSSES.	
Daily Operations Comments															
UTILIZING DIRECTIONAL PLAN #6. 85 DEGREES @ 8,299' MD. TOTAL MUD LOST 0 BBLs.															

[illegible]

EP ENERGY

Daily Operations

Report Onshore

Well Name/Wellbore No.: UNIVERSITY CENTRAL 0112CH/00

Country: USA
State: TEXAS
Field: WOLFCAMP CENTRAL
Supervisors: LEE LEWIS / TOM WHARTON
Engineer/Manager: ELLIS, PRESTON / GRUBB, ALLEN

Report Number: 053
Report Date: 04/13/2017
Spud Date: 10/26/2016
Release Date:
DOE: 57
Last BOP T.:

DOL: 53
AFE Days: 8.00
CSG Test:

Event: COMPLETION LAND
Safety Meeting Topic:

API #: 4238339682
Rig:
Rig Phone:
KB(ft): 2,968.01
POB: 19 Manhours: 200.00

Location: Lat: 31° 9' 22.12497 N
Long: 101° 40' 23.63307 W

Current Activity: RIH W/ 2-7/8" PH-6 TBG.

24 Hr Summary: SPOT KEY WOR ON WELL. N/U BOP'S AND PRESSURE TEST SAME. SHUT DOWN DUE TO WEATHER. CONTINUE PRESSURE TESTING BOP'S.
SPOT PIPE RACKS, CATWALK AND 2-7/8" PH-6 TBG ON RACK.TALLY SAME.

24 Hr Forecast: RIH WITH 2-7/8" PH-6 TUBING AND DRILL OUT PLUGS.

OPERATION DETAILS

FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
20:30	00:30	4.00	P	WOR	16	NUND	NIPPLE UP BOP'S. SPOT WOR ON WELL. R/U FLOW BACK
00:30	01:30	1.00	P	WOR	57	WORKSTG	PRESSURE TEST BOP'S..
01:30	02:30	1.00	P	WOR	43	WOW	HEAVY RAIN AND LIGHTNING ON LOCATION.
02:30	06:00	3.50	P	WOR	39	TRIP	SPOT TBG RACKS AND LAY OUT 2-7/8" PH-6 TBG AND TALLY SAME. R/U CAT WALK, MAKE UP DRILL-OUT TOOL ON TBG. RIH W/ TBG.
02:30	02:30	0.00	P	WOR	36	SFEQ	CONTINUE PRESSURE TESTING BOP'S.

Daily Operations Comments:

NO ACCIDENTS, NO INCIDENTS , NO INJURIES

CASING			FLUIDS		COMPLETION STRING DETAILS				
Size(in)	MD(ft)/TVD(ft)	LOT(ppg)	Fluids Co:		Down Hole Tool Co:			Tool Sup:	
			Fluids Eng:		Qty	Description	ID	OD	Top Set
	/		Pit Temp:						
	/		Density:						
	/		Brine Type:						
	/		Gel Type:						
14.000	67.00 / 67.00		Viscosity:						
	/		Nitrogen:						
9.625	954.04 / 954.04		NTU:						
			FLOWBACK						
			Gas Rate:						
			Choke Size:						
			Avg. Tbg. Press:						
			Avg. Csg. Press:						
			Fluid Rate (Water):						
			Fluid Rate (Oil):						
			Tot. Load Recovered:						

PERFORATIONS

Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments
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Printed: 4/13/2017 8:08:16AM

Page 1 of 1



Well Name/Wellbore No.: UNIVERSITY CENTRAL 0112CH/00

Country: USA
State: TEXAS
Field: WOLFCAMP CENTRAL
Supervisors: LEE LEWIS / TOM WHARTON
Engineer/Manager: ELLIS, PRESTON / GRUBB, ALLEN

Report Number: 054
Report Date: 04/14/2017
Spud Date: 10/26/2016
Release Date:
DOE: 58 DOL: 54 AFE Days: 8.00
Last BOP T.: CSG Test:

Event: COMPLETION LAND
Safety Meeting Topic:
Location: Lat: 31° 9' 22.12497 N
Long: 101° 40' 23.63307 W

API #: 4238339682
Rig:
Rig Phone:
KB(ft): 2.968.01
POB: 31 Manhours: 354.00

Current Activity:	RUNNING 2-7/8" PH-6 TBG
24 Hr Summary:	CONT' RIH W/ 2-7/8" PH-6 TBG. TAG KP AT 7600', DRILL OUT SAME.CIRC. BTM UP AND CONT' TO RIH W/ TBG , CIRC. BOTTOMS UP EVERY 50 JTS OF TBG. TAG AT 12217'. CIRC. BTM UP AT 4 BPM/ 2800 PSI, NO SAND. INSTALL SWIVAL AND RIH. TBG DEPTH 15,320' (P/D +/- 15454"
24 Hr Forecast:	.CONTINUE RIH WITH 2-7/8" PH-6 TBG. TAG AND DRILL OUT PLUGS #36-#50. POOH TO PIPE LIGHT DEPTH. R/U AND SNUBB REMAINING TBG OUT OF HOLE.

OPERATION DETAILS

FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	06:30	0.50	P	WOR	28	SFTYMTG	HSM REVIEWED JSA'S
06:30	09:30	3.00	P	WOR	39	TRIP	RIH W/ 4 3/4" JZ ROCK BIT, X/O , 3.125" MUD MOTOR, 2 .875" REG x 2.875" PH-6 FLOATED BIT SUB, 1 JT 2.875" 7.9# PH- 6 P-110 TBG, FLOAT SUB, 64 JTS PH-6, NO GO. CIRCULATED 6 BBLS 2% KCL. CONTINUED IN HOLE W/ 65 JTS PH-6. SHUT DN REPLACED TONGES SEAL PROBLEM.
09:30	10:30	1.00	N	WOR	59	EQFAIL	REPLACED RIG TONGES
10:30	12:00	1.50	P	WOR	39	TRIP	RIH W/ 51 JTS PH-6 SHUT DN. CIRCULATED 26 BBLS 2% KCL. MOVED AND TALLEY NEW ROW WORK STRING. 181 JTS IN HOLE.
12:00	15:00	3.00	P	WOR	39	TRIP	RIH W/ 19 JTS CIRCULATED 18 BBLS 2%. CONTINUED RIH AND TAGGED KILL PLUG 5' IN ON JT 247 (7601')
15:00	16:00	1.00	P	WOR	40	WASH	LD 1 JT PU RU WOOLEY POWER SWIVEL. MADE PREPERATIONS DRILL KILL PLUG.
16:00	16:45	0.75	P	WOR	40	WASH	TAGGED KILL PLUG 7601' (DRILLED IN 10 MINUTES) PUMP RATE 4.5 BPM @ 2400 PSI HOLDING 500 PSI BACK PRESSURE ON CHOKE. PUMPED 10 BBL SWEEP.
16:45	18:00	1.25	P	WOR	40	WASH	WASH DN W/ 2 JTS. RACK BACK WOOLEY POWER SWIVEL. HSM REVIEW JSA'S W/ NIGHT CREW. 249 JTS WS IN HOLE.
18:00	23:00	5.00	P	WOR	40	WASH	CONTINUE TO RIH W 2 -7/8" PH-6 TUBING TO 12,217' AND TAGGED OBSTRUCTION.
23:00	01:15	2.25	P	WOR	40	WASH	CIRCULATE BOTTOMS UP AT 2800 PSI/ 4BPM CIRC. PRESSURE, 1300 PSI BACK PRESSURE.
01:15	03:15	2.00	P	WOR	40	WASH	UTILIZE POWER SWIVAL AND RIH W/ 2-7/8" PH-6 TBG. ROTATING AND CIRCULATING SLOWLY TO WALK TBG BY TIGHT SPOTS. DEPTH 15,320' (497 JTS), PLUG #36-+/- 15454'
03:15	06:00	2.75	P	WOR	40	WASH	CONTINUE RIH W/ 2-7/8" PH-6 TBG.TOO MUCH DRAG. INSTALL POWER SWIVAL AND CIRCULATE AT 2BPM WHILE ROTATING THROUGH TIGHT SPOTS.

Daily Operations Comments:

NO ACCIDENTS, NO INCIDENTS, NO INJURIES.

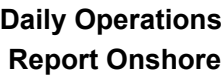
CASING		
Size(in)	MD(ft)/TVD(ft)	LOT(ppg)
	/	
	/	
	/	
	/	
14.000	67.00 / 67.00	
	/	
9.625	954.04 / 954.04	

FLUIDS	
Fluids Co:	
Fluids Eng:	
Pit Temp:	
Density:	
Brine Type:	
Gel Type:	
Viscosity:	
Nitrogen:	
NTU:	
FLOWBACK	
Gas Rate:	
Choke Size:	
Avg. Tbg. Press:	
Avg. Csg. Press:	
Fluid Rate (Water):	
Fluid Rate (Oil):	
Tot. Load Recovered:	

COMPLETION STRING DETAILS				
Down Hole Tool Co:			Tool Sup:	
Qty	Description	ID	OD	Top Set

PERFORATIONS

Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments
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Well Name/Wellbore No.: UNIVERSITY CENTRAL 0112CH/00

Country: USA
State: TEXAS
Field: WOLFCAMP CENTRAL
Supervisors: LEE LEWIS / TOM WHARTON
Engineer/Manager: ELLIS, PRESTON / GRUBB, ALLEN

Report Number: 056
Report Date: 04/16/2017
Spud Date: 10/26/2016
Release Date:
DOE: 60 DOL: 56 AFE Days: 8.00
Last BOP T.: CSG Test:

Event: COMPLETION LAND
Safety Meeting Topic:
Location: Lat: 31° 9' 22.12497 N
Long: 101° 40' 23.63307 W

API #: 4238339682
Rig:
Rig Phone:
KB(ft): 2.968.01
POB: 30 Manhours: 310.00

Current Activity:	RIH WITH PRODUCTION PACKER.
24 Hr Summary:	DRILLED OUT PLUGS 36 THRU 49. PUMP 30-30-30, BTM UP. POOH TO BTM CURVE. PUMP 30-30, BTM UP. POOH TO 1500'. R/U SNUB UNIT, SNUB 1500' TBG OUT OF HOLE.R/D SNUB UNIT.R/U W/L.RUN GR/JB TO 8100'. POOH RIH W/ PROD. PKR.
24 Hr Forecast:	CONTINUE RUNNING IN HOLE. COORELATE UTILIZING MARKER JOINT. SET AT 8017'. RELEASE PSI. POOH R/D PRO WIRELINE.

OPERATION DETAILS

FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION
06:00	09:30	3.50	P	WOR	39	TRIP	HSM REVIEW JSA'S W/ DAY SHIFT. CONTINUE TO POOH W/ 2-7/8" PH-6 WORK STRING TO CURVE LD 219 JTS. 8250'
09:30	10:00	0.50	P	WOR	54	RIGPROB	RU POWER SWIVEL. CIRCULATE AND RECOVER 2-20 BBL HIGH VIS GEL SWEEPS. TO CLEAN PLUG JUNK FROM BOTTOM OF CURVE WHILE ROTATING AND WORKING TUBING. SHUT WELL IN ISIP 950 PSI.
10:00	15:00	5.00	P	WOR	24	PULD	LD 200 JTS PH-6 WS TO SNUB DEPTH @ 1,980'. HANG TUBING OFF IN SLIP RAMS.
15:00	16:00	1.00	P	WBREMD	16	NUND	RD WOOLEY POWER SWIVEL. RD RIG FLOOR. PREPARE TO MIRU SNUBBING UNIT.
16:00	17:30	1.50	P	MIRU	54	RIGPROB	HSM W/ SNUBCO, KEY SNUBBING LIST JSA. MIRU SNUBBING UNIT.
17:30	18:30	1.00	P	WOR	54	RIGPROB	TEST SNUB UNIT TO 250 PSI LOW/2500 PSI HI 10 MIN/ON CHART.
18:30	22:00	3.50	P	WOR	54	RIGPROB	SNUB 2-7/8" PH-6 TBG OUT OF HOLE.
22:00	23:30	1.50	P	WOR	54	RIGPROB	BREAK OUT TOOLS. R/D SNUBBING UNIT.
23:30	00:15	0.75	P	WLWORK	07	IGLV	PUMP 200 BBLS 2% KCL WATER DOWN 5-1/2" CASING
00:15	02:15	2.00	P	WLWORK	36	SFEQ	R/U W/L BOP'S. ROD TEST BOP'S 250PSI LOW/5000 PSI HI, 5 MN/ON CHART.TEST RAMS 250 PSI/5000 PSI, 10 MIN. ON CHART.
02:15	04:15	2.00	P	WLWORK	20	PACK	R/U LUB. WITH GR/JB INSTALLED P/T LUB TO 250 PSI LOW/3000 PSI HI, 5 MIN. ON CHART.RELEASE PRESS TO 1400 PSI TO EQUALIZE PRESS ACROSS FRAC VALVE. OPEN SAME. RIH W/ GR/JB. TO +/-8100'. COORELATE USING MJ. POOH
04:15	06:00	1.75	P	WLWORK	20	PACK	M/U PROD. PKR. ON ELINE. INSTALL SAME IN LUB. P/T LUB TO 250 PSI LOW/3000 PSI HI.BLEED PRESS. TO 1400 PSI TO EQUALIZE ACROSS FRAC VALVE. OPEN SAME AND RIH WITH PRODUCTION PACKER. .

Daily Operations Comments:

NO ACCIDENTS, NO INCIDENTS, NO INJURIES

CASING			FLUIDS	COMPLETION STRING DETAILS					
Size(in)	MD(ft)/TVD(ft)		LOT(ppg)	Fluids Co:	Down Hole Tool Co:		Tool Sup:		
	/			Fluids Eng:	Qty	Description	ID	OD	Top Set
	/			Pit Temp:					
	/			Density:					
	/			Brine Type:					
	/			Gel Type:					
14.000	67.00 / 67.00			Viscosity:					
	/			Nitrogen:					
9.625	954.04 /	954.04		NTU:					
				FLOWBACK					
				Gas Rate:					
				Choke Size:					
				Avg. Tbg. Press:					
				Avg. Csg. Press:					
				Fluid Rate (Water):					
				Fluid Rate (Oil):					
				Tot. Load Recovered:					

PERFORATIONS

Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments
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<div><div>EPENERGY</div><div>Daily Operations Report Onshore</div></div>			Well Name/Wellbore No.: UNIVERSITY CENTRAL 0112CH/00			Report Number: 057 Report Date: 04/17/2017 Spud Date: 10/26/2016 Release Date: DOE: 61 DOL: 57 AFE Days: 8.00 Last BOP T.: CSG Test:							
Event: COMPLETION LAND			API #: 4238339682										
Safety Meeting Topic:			Rig:										
Location: Lat: 31° 9' 22.12497 N			Rig Phone:										
Long: 101° 40' 23.63307 W			KB(ft): 2,968.01										
			POB: 29 Manhours: 310.00										
Current Activity: N/D BOP'S AND N/U PRODUCTION TREE.P/T TO 250 LO/5000 PSI HI ,10 MIN. ON CHART PUMP OUT PLUG 3300 PSI AND PUMP 5 BBLS. FLOW BACK TBG VOLUME 50 BBLS.													
24 Hr Summary: CONT* TO RIH W/ PROD. PKR.. CORRELATE WITH M/J AND SET PKR. AT 8,001'. POOH W/ SET TOOL. RELEASE PSI ABOVE PKR. 0 PSI AND MONITOR SAME.R/D W/L START RIH W/ 2-7/8" 6.5 L-80 TBG.LATCH PROD. PKR. PULL 20K/DOWN 10K. PUMP PKR FLUID,SPACE OUT AND LAND.RD WOR.													
24 Hr Forecast: MOVE TO UL 1-12 BH WELL.													
OPERATION DETAILS													
FROM	TO	HRS	OP CODE	PHASE	CODE	ACTIVITY	DESCRIPTION						
06:00	09:00	3.00	P	WLWORK	20	PACK	CONTINUE TO RIH W/ PRODUCTION PACKER. COORELATE WITH M/J (7645') AND SET PACKER AT 8001'. POOH W/ SETTING TOOL , RELEASE CASING PRESSURE TO ZERO AND MONITOR FOR 30 MINUTES. RDMO PRO ELU AND RELATED EQUIPMENT.						
09:00	10:30	1.50	P	WOR	16	NUND	TALLY PRODUCTION TBG.PREPARE RIG FLOOR TO RUN TBG. RU TBG TESTERS.						
10:30	12:30	2.00	P	WOR	25	RCST	PU MU 4.5" T2 O/O TOOL (NITRIL SEALS) 2' L-80 PUP, 3.40" .JP HOUSING RIH W/ 66 JTS 2 7/8" 6.5# L-80 EUE 8RND TBG. RIG CREW TO LUNCH BREAK.						
12:30	17:30	5.00	P	WOR	25	RCST	RIH TESTING 180 JTS 2 7/8" L-80 TBG. LATCHED O/O TOOL PULLED 15K OVER POSITIVE LATCH. MARKED TBG FOR SPACE OUT. LD 1 JT AND SPACED OUT W/ 10', 4' L-80 PUP JTS. (245 JTS TBG IN WELL)						
17:30	19:00	1.50	P	WOR	06	CIRC	RDMO TBG TEST UNIT.PUMPED CORROSION INHIBITOR AND CIRCULATED 170 BBLS 2% KCL.						
19:00	19:30	0.50	P	WOR	13	HOSO	LATCH PACKER W/ ON/OFF TOOL. PULL 20K AND LAND OUT TBG. HANGER IN TBG HEAD W/ 9K DN. RUN IN PINS.						
19:30	21:15	1.75	P	WOR	16	NUND	N/D BOPS, MOVE TO BH WELL. N/U PROD. TREE.ON CH WELL.						
21:15	22:15	1.00	P	WOR	43	WOW	SHUT DOWN DUE TO HEAVY LIGHTNING.						
22:15	22:23	0.13	P	WOR	16	NUND	RESUME N/U PRODUCTION TREE, P/T SAME.TO 250 PSI LOW/5000 PSI HIGH, 10 MIN./CHART.						
22:23	00:30	2.12	P	WOR	16	NUND	P/T TBG/CSG TO 1000 PSI, 10 MIN/ON CHART. PRESSURE UP TO 3400 PSI AND SHEAR PINS , PUMP OUT PLUG IN PROD. PKR.WITH TEST PUMP ON CHART. PUMP 5 BBLS WTH PUMP , FLOW BACK TBG VOUME OF 50 BBLS. SHUT IN TREE.						
00:30	06:00	5.50	P	RDMO	73	WOOWO	WAITING ON PRODUCTION.						
Daily Operations Comments:													
NO ACCIDENTS, NO INCIDENTS, NO INJURIES													
CASING			FLUIDS				COMPLETION STRING DETAILS						
Size(in)	MD(ft)/TVD(ft)		LOT(ppg)		Fluids Co:			Down Hole Tool Co:		Tool Sup:			
					Fluids Eng:			Qty	Description		ID	OD	Top Set
					Pit Temp:								
					Density:								
					Brine Type:								
					Gel Type:								
14.000	67.00	67.00			Viscosity:								
					Nitrogen:								
9.625	954.04	954.04			NTU:								
				FLOWBACK									
				Gas Rate:									
				Choke Size:									
				Avg. Tbg. Press:									
				Avg. Csg. Press:									
				Fluid Rate (Water):									
				Fluid Rate (Oil):									
				Tot. Load Recovered:									
PERFORATIONS													
Date	Stage	Top	Bottom	SPF(ft)	FG/BHP(ft)	Separation Method	Comments						