



Partner Drilling Report

Well Name: UNIVERSITY 3-35 #104HB

Report Date: 8/7/2017
Report #: 29.0, DFS: 18.29
Time Log DFS: 18.29
Depth Progress: 0.00

API/UWI No. 42461405810000	Surface Legal Location A-U47; SEC. 11; BLK 4; UL SURVEY	Well License/Permit No. 824982	State/Province TEXAS
Original Spud/Spud Rig Date 7/19/2017 23:00	Rig Release Date 8/8/2017 16:00	KB to GL (ft) 25.00	KB-Casing Flange Distance (ft)
Original Spud/Spud Rig Date 7/19/2017	Weather PARTLY CLOUDY	Temperature (°F) 76.0	Road Condition GOOD
Current Status/OART WAIT ON CEMENT @ REPORT TIME		24 Hour Forecast CONTINUE TO WOC. BREAK BOP STACK AND SET CASING SLIPS. CUT CASING AND REMOVE JOINT. NIPPLE DOWN STACK, INSTALL AND TEST PACK OFF. INSTALL NIGHT CAP ON WELL. PREPARE RIG FOR RELEASE.	

Short Report
CONTINUE TO WAIT ON SCHLUMBERGER CEMENT. ALL CEMENT, CREW AND LAB TESTS READY TO PUMP @ 18:15. R/U SCHLUMBERGER IRON TO CEMENT HEAD. CEMENT 5 1/2" PRODUCTION CASING. R/D CEMENT EQUIPMENT. SHUT ANNULAR AND WAIT ON CEMENT. TRANSFER MUD AND CLEAN PITS.

Mud Volumes

Active Volume (bbl)	Var Active Vol (bbl)	Balance (bbl)	Tank Volume (bbl)	Additions (bbl)	Losses (bbl)	Hole Volume (bbl)
426.2	-1,649.7	-2,075.9	0.0	426.2	0.0	426.2

Time Log

Start Time	End Time	Dur (hr)	Phase	Ops Code	Sub Code	Time Code	Operation Summary
06:00	18:15	12.25	24PHC, Prod Hole Csg	TR	q	S	CONTINUE TO WAIT ON SCHLUMBER CEMENT TO ARRIVE ON LOCATION. CONTINUE TO CIRCULATE @ 3 BPM. 2 TRUCKS ARRIVED @ 10:30. CEMENTING CREW AND PUMP TRUCK ON LOCATION @ 14:30. RIG DOWN CRT AND RIG UP CEMENTING HEAD. ALL CEMENT ON LOCATION @ 17:00. WAIT ON LAB TEST RESULTS. GIVEN OK TO PUMP CEMENT @ 18:15. TOTAL OF 26.50 HOURS OF NPT SPENT WAITING ON SCHLUMBERGER CEMENT TO ARRIVE ON LOCATION. NOTE: PREPARE RIG FOR SKID AND ORGANIZE AREA FOR RIG MOVE. R/D PRE-MIX TANK. MOVE CHEMICALS TO NEXT LOCATION.
18:15	18:45	0.50	24PHC, Prod Hole Csg	CE	d	O	RIG UP SCHLUMBERGER CEMENTING IRON TO CEMENT HEAD

AFE Number DD.17.30781.CAP.DRL	AFE+Supp Amt (Cost) 2,331,000.00
Day Total (Cost) 121,649	Cum To Date (Cost) 2,139,534
Mud Field Est (Cost) 700	Cum Mud Field Est (Co... 97,240
Start Depth (ftKB) 19,219.0	End Depth (ftKB) 19,219.0
Planned Formation WOLFCAMP B	Planned TMD (ftKB) 19,337.0
Last Casing String Production Casing, 19,219.0ftKB	

Daily Contacts

Job Contact	Mobile
BRIAN ALLEMAN, Engineer	214-978-8000
CHRISTOPHER ABSHIRE, Foreman	281-220-5828
KEVIN GOTTE, Consultant	281-220-5828
TRAVIS PERSCHE, Rig Clerk/Logistics	281-220-5829

Personnel Log

Head Count	27.0
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Rigs

HELMERICH & PAYNE DRILLING, 3	
Contractor HELMERICH & PAYNE DRILLING	Rig Number 394
Rig Supervisor THOMAS PENDERGRASS, Toolpusher	Phone Mobile

1, Gardner-Denver, PZ-11

Pump Number 1	Pwr (hp) 1,300.0	Rod Diameter...
Liner Size (in) 5	Stroke (in) 11.00	Vol/Stk OR (b...
P (psi)	Slow Spd	Strokes (s...) Eff (%)

2, Gardner-Denver, PZ-11

Pump Number 2	Pwr (hp) 1,300.0	Rod Diameter...
Liner Size (in) 5	Stroke (in) 11.00	Vol/Stk OR (b...
P (psi)	Slow Spd	Strokes (s...) Eff (%)

Mud Additive Amounts

Mud Additive Description	Field Est (Cost/unit)	Consumed
12 HR MUD ENGINEER	700.00	1.0

Job Supplies

Supply Item Description DIESEL FOR OBM	Unit Label Gal
Total Received 49,969.0	Total Consumed 42,374.0
On Loc 0.0	
Supply Item Description DRILLING CUTTINGS	Unit Label Cu. Yds
Total Received 465.0	Total Consumed 465.0
On Loc 0.0	
Supply Item Description DRILLING WATER	Unit Label Bbl
Total Received 5,994.6	Total Consumed 5,994.6
On Loc 0.0	
Supply Item Description FUEL	Unit Label Gal
Total Received 52,682.0	Total Consumed 32,788.0
On Loc 96.0	
Supply Item Description LIQUID DRILLING WASTE	Unit Label Bbl
Total Received 740.0	Total Consumed 740.0
On Loc 0.0	



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Depth Progress: 0.00

Time Log

Start Time	End Time	Dur (hr)	Phase	Ops Code	Sub Code	Time Code	Operation Summary
18:45	23:30	4.75	24PHC, Prod Hole Csg	CE	a	O	<p>HELD PJSM WITH HOC - H&P - BAKER AND SLB CEMENTERS ON PRODUCTION CEMENT JOB.</p> <p>PERFORM CEMENT JOB FOR PRODUCTION CASING AS FOLLOWS:</p> <p>SWAPPED TO SCHLUMBERGER CEMENT LINES PRESSURE TESTED 4000 PSI HIGH: TEST GOOD,</p> <p>- SPACER: MIX & PUMP 60 BBL'S OF MUD PUSH EXPRESS SPACER @ 10 PPG.</p> <p>- LEAD SLURRY: MIX & PUMP 187 BBL'S (378 SK'S) OF TXI LIGHTWEIGHT BLEND CEMENT @ 11.5 PPG, YIELD 2.29 FT3/SK, MIX WATER 13.10 GAL/SK</p> <p>- TAIL SLURRY: MIX & PUMP 581 BBL'S (2125 SK'S) OF D909 CEMENT @ 13.20 PPG, YIELD 1.56 FT3/SK, MIX WATER 7.59 GAL/SK</p> <p>- FLUSH LINES WITH 2 BBLS OF 20% ACETIC ACID TO RESERVE PIT TO MAKE SURE THE LINE IS FILLED UP WITH ACID.</p> <p>- DROP DART PLUG AND PUMP 10 BBL OF 20% ACETIC ACID. FOLLOWED BY 10 BBLS OF FRESHWATER. FOLLOWED BY 405 BBLS OF KCL BRINE WATER.</p> <p>- TOTAL DISPLACEMENT PUMPED 425 BBL. FIELD CALCULATED TOP OF CEMENT @ 3500'.</p> <p>- BUMP PLUG AT 23:28 HRS . PRESSURE UP TO 3200 PSI (500 PSI OVER CIRCULATING PSI) AND HOLD FOR 5 MINUTES. BLEED BACK 4.5 BBL. FLOAT EQUIPMENT HELD.</p> <p>GOOD RETURNS DURING CEMENT JOB.</p> <p>FULL RETURNS NOT OBSERVED DURING DISPLACEMENT DUE TO LOSS OF MUD WHEN TRANSFERRING BACK TO TANK FARM. +/- 375 BBLS LOSS TO DOWN HOLE. CALCULATED OBM LEFT IN HOLE WITH FULL RETURNS WOULD BE 115 BBLS DUE TO TOP OF SPACER @ 2200'.</p>

Job Supplies

Supply Item Description		Unit Label
POTABLE WATER		Gal
Total Received	Total Consumed	On Loc
37,600.0	37,600.0	0.0
Supply Item Description		Unit Label
SEWAGE		Gal
Total Received	Total Consumed	On Loc
27,900.0	27,900.0	0.0
Supply Item Description		Unit Label
THREAD PROTECTORS		Box
Total Received	Total Consumed	On Loc
1.0	1.0	0.0
Supply Item Description		Unit Label
TRASH/GENERAL WASTE		Box
Total Received	Total Consumed	On Loc
2.0	2.0	0.0

Safety Checks

Time	Type	Safety Topic
16:30	Pre-Job	CEMENTING PRODUCTION CASING
17:30	Pre-Tour	THIRD PARTY EQUIPMENT
05:30	Pre-Tour	NIPPLE DOWN STACK

Wellbores

Wellbore Name
UNIVERSITY 3-35 #104HB

Kick Offs & Key Depths

Type	Top Depth (ftKB)



Partner Drilling Report

Report Date: 8/7/2017
Report #: 29.0, DFS: 18.29
Time Log DFS: 18.29
Depth Progress: 0.00

Well Name: UNIVERSITY 3-35 #104HB

Time Log

Start Time	End Time	Dur (hr)	Phase	Ops Code	Sub Code	Time Code	Operation Summary
23:30	06:00	6.50	24PHC, Prod Hole Csg	CE	c	O	<p>WOC. (6.5 HOURS) RIG DOWN CEMENTERS AND EQUIPMENT.</p> <p>FLUSH THROUGH LINES, BOP STACK, CHOKE MANIFOLD AND BACK TO MUD PUMPS AND STAND PIPE.</p> <p>TRANSFER REMAINING MUD FROM MUD TANKS TO FRAC TANKS. BEGIN CLEANING PITS.</p> <p>CLOSE IN ANNULAR & MONITOR CASING PRESSURE ON CHOKE. R/D CEMENT HEAD, INSTALL CASING SWAGE AND CLOSE LOW TORQUE VALVE.</p> <p>4 BOLT FLOW LINE AND WORK ON PIPE WRANGLER. FLUSH MUD LINES WITH DIESEL, WATER AND AIR. CHANGE OUT SWIVEL PACKING.</p> <p>NOTE: ALL 5" DRILL PIPE AND 5" HWDP INSPECTED. INSPECTION SUMMARY OF 5" DRILL PIPE: 3 DAMAGED PIN SHOULDERS 2 DAMAGED BOX SHOULDERS 7 DAMAGED BOX THREADS 10 PIN DIM REJECT 10 BOX DIM REJECT TOTAL JOINTS SENDING IN: 29 JOINTS OF 5" DRILL PIPE. INSPECTION SUMMARY OF 5" HWDP: 2 DAMAGED PIN THREADS 1 DAMAGED BOX THREADS 1 DAMAGED BOX SHOULDER 1 WASHOUT TOTAL JOINTS SENDING IN: 4 JOINTS OF 5" HWDP</p>

Mud Checks

Time 05:00	Type Fresh Water	Depth (ftKB) 19,218.0	Density (kg/m³) (lb/g... 8.30	Funnel Viscosity (s/qt) 33	PV Calc (cP) 1.0	YP Calc (lb/100ft²) 3.001
Gel 10 sec (kPa) (lb... 1.000	Gel 10 min (kPa) (l... 1.000	Gel 30 min (kPa) (lb... 1.000	Filtrate (mL/30min) 1.0	Filter Cake (1/32") 2	pH 8.0	Solids (%)
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%) 100.0	Chlorides (kg/m³) (... 5,000.000	Calcium (kg/m³) (m... 	Potassium (mg/L)	Electric Stab (V)

Mud Volumes

Tank/Addition/Loss	Type	Volume (bbl)	Subtype
Hole	TOTAL HOLE	426.2	
Addition	DRILL WATER	426.2	

Drill Strings

BHA #<stringno>, <des>

Bit Run	Drill Bit	IADC Bit Dull	TFA (incl Noz) (in²)
Nozzles (1/32")	BHA Length (ft)	String Wt (1000lbf)	Bit ROP (ft/hr)

Drill String Components

Item Des	Manual/Tally Jts	OD (in)	ID (in)	Len (ft)	Top Thread

Drilling Parameters

Wellbore	Start Depth (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Drilling Time (hr)	Cum Drill Time (hr)	Interval ROP (ft/hr)	Flow Rate (gpm)
WOB (1000lbf)	Rotary RPM (rpm)	SPP (psi)	Drill Str Wt (1000...)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Drilling Torque	Off Btm Tq
Q Gas Inj (ft³/min)	T Inj (°F)	P BH Ann (psi)	T BH (°F)	P Surf Annulus (p...)	T Surf Annulus (°F)	Q Liq Return (gpm)	Q Gas Return (f...

Hydraulic Calculations

Bit Hydraulic Power (hp)	HP/Area (hp/in²)	Bit Jet Velocity (ft/s)	Bit Pressure Drop (psi)	% P @ bit (%)
Max Casing AV (ft/min)	Max Open Hole AV (ft/min)	Min Casing AV (ft/min)	Min Open Hole AV (ft/min)	ECD End (lb/gal)

Error

Kicks

Kick Date	Kick Depth (ftKB)	Control Date	Control Depth (ftKB)	Kick Class
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Kill Notes



Partner Drilling Report

Well Name: UNIVERSITY 3-35 #104HB

Report Date: 8/7/2017
Report #: 29.0, DFS: 18.29
Time Log DFS: 18.29
Depth Progress: 0.00

Lost Circulation

Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Ops In Prog	Vol Lost Tot (bbl)	End Date
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Interval Problems

Problem Type	Problem Subtype	Start Date	Start Depth (ftKB)	End Depth (ftKB)	Est Cost (Cost)	Est Lost Time (hr)
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Action Taken

Interval Lessons

Lesson Type	Start Date	End Date	Start Depth (ftKB)	End Depth (ftKB)	Est Cost Saving (Co..)	Est Time Saving (hr)
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Comment

Safety Incidents

Time	Category	Type	Subtype	Cause	Lost time?	Severity
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Leak Off and Formation Integrity Tests

Run Date	OD (in)	Set Depth (ft...)	Set Depth (T...)	Comment	MACP Press...
7/20/2017	13 3/8	1,461.0	1,460.8	TEST ON CHART: GOOD TEST	500.0
Test Date	Test Type	Fluid Density (lb/gal)	EMW (lb/gal)		
7/21/2017	Casing Test	8.30	14.80		
Run Date	OD (in)	Set Depth (ft...)	Set Depth (T...)	Comment	MACP Press...
7/24/2017	9 5/8	5,058.0	4,973.3	TEST ON CHART: GOOD TEST	1,500.0
Test Date	Test Type	Fluid Density (lb/gal)	EMW (lb/gal)		
7/25/2017	Casing Test	9.90	15.71		
Run Date	OD (in)	Set Depth (ft...)	Set Depth (T...)	Comment	MACP Press...
7/24/2017	9 5/8	5,058.0	4,973.3	TEST ON CHART: GOOD TEST	96.0
Test Date	Test Type	Fluid Density (lb/gal)	EMW (lb/gal)		
7/26/2017	F.I.T.	9.90	10.27		

Survey Data

MD (ftKB)	Inclination (°)	Azimuth (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
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Partner Drilling Report

Well Name: UNIVERSITY 3-35 #104HB

Report Date: 8/7/2017
Report #: 30.0, DFS: 18.71
Time Log DFS: 18.71
Depth Progress: 0.00

API/UWI No. 42461405810000	Surface Legal Location A-U47; SEC. 11; BLK 4; UL SURVEY	Well License/Permit No. 824982	State/Province TEXAS
Original Spud/Spud Rig Date 7/19/2017 23:00	Rig Release Date 8/8/2017 16:00	KB to GL (ft) 25.00	KB-Casing Flange Distance (ft)
Original Spud/Spud Rig Date 7/19/2017	Weather MOSTLY CLOUDY	Temperature (°F) 89.0	Road Condition GOOD
Current Status/OART RIG RELEASE @ 16:00 8/7/2017	24 Hour Forecast RELEASE RIG AND MOVE OFF LOCATION.		

Short Report
CONTINUE TO WAIT ON CEMENT. N/D FLOW, CHOKE AND KILL LINES. UNBOLT STACK AND LIFT. SET CASING SLIPS AND CUT CASING. SET STACK AND REMOVE CASING. CONTINUE TO NIPPLE DOWN BOP EQUIPMENT AND SET ASIDE. CLEAN CASING CUT AND SET PACKOFF. TEST PACKOFF - TEST GOOD. INSTALL NIGHT CAP AND TORQUE DOWN. PREPARE TO MOVE AND RELEASE RIG @ 16:00 8/7/2017.

Mud Volumes

Active Volume (bbl) 0.0	Var Active Vol (bbl) -426.2	Balance (bbl) -426.2	Tank Volume (bbl) 0.0	Additions (bbl) 0.0	Losses (bbl) 0.0	Hole Volume (bbl) 0.0
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Time Log

Start Time	End Time	Dur (hr)	Phase	Ops Code	Sub Code	Time Code	Operation Summary
06:00	08:00	2.00	24PHC, Prod Hole Csg	CE	c	O	WAIT ON CEMENT FOR 1.5 HRS AND OPEN WELL. CONTINUE TO CLEAN PITS. NOTE: BEGIN MOVING MISC EQUIPMENT, AND ALL RIG TUBULARS TO NEW LOCATION. MOVE HOC CAMP TO NEW LOCATION,
08:00	09:00	1.00	24PHC, Prod Hole Csg	BO	f	O	BREAK BOLTS ON STACK. NIPPLE DOWN CHOKE AND KILL LINE.
09:00	10:00	1.00	24PHC, Prod Hole Csg	WH	e	O	PICK STACK UP. SET CASING SLIPS WITH 100% BOUYANT STRING WEIGHT. ROUGH CUT CASING.
10:00	12:00	2.00	24PHC, Prod Hole Csg	BO	f	O	SET STACK DOWN AND LAY DOWN CUT CASING. CONTINUE TO NIPPLE DOWN SWC CONNECTION FROM WELL HEAD.
12:00	14:30	2.50	24PHC, Prod Hole Csg	WH	d	O	DRESS UP CASING CUT AND INSTALL PACK OFF. TEST PACK OFF TO 5000 PSI FOR 15 MIN - TEST GOOD. INSTALL AND TORQUE NIGHT CAP ON WELL HEAD. NOTE: MOVE PREMIX TANK, HOPPER TANK, BULK BAROID TANKS AND 2 FRESH WATER FRAC TANKS.
14:30	16:00	1.50	24PHC, Prod Hole Csg	LM	b	O	CONTINUE CLEANING MUD PITS. PREPARE AND SKID RIG TO FIRST INITIAL WELL AND PIN SAME TO TRAVELING ASSEMBLY. FINISH CLEANING MUD TANKS. RELEASE RIG @ 16:00 8/7/2017.

Mud Checks

Time 16:00	Type Fresh Water	Depth (ftKB) 19,218.0	Density (kg/m³) (lb/g...) 8.50	Funnel Viscosity (s/qt) 33	PV Calc (cP) 2.0	YP Calc (lb/100ft²) 1.000
Gel 10 sec (kPa) (lb...) 1.000	Gel 10 min (kPa) (l...) 1.000	Gel 30 min (kPa) (lb...) 1.000	Filtrate (mL/30min) 1,000.000	Filter Cake (1/32") ...	pH 8.4	Solids (%)
MBT (lb/bbl)	Percent Oil (%)	Percent Water (%) 98.5	Chlorides (kg/m³) (...) 1,000.000	Calcium (kg/m³) (m...)	Potassium (mg/L)	Electric Stab (V)

Mud Volumes

Tank/Addition/Loss	Type	Volume (bbl)	Subtype
Hole	TOTAL HOLE		
Addition	DRILL WATER		

Drill Strings

BHA #<stringno>, <des>

Bit Run	Drill Bit	IADC Bit Dull	TFA (incl Noz) (in²)
Nozzles (1/32")		BHA Length (ft)	String Wt (1000lb)
			Bit ROP (ft/hr)

Drill String Components

Item Des	Manual/Tally Jts	OD (in)	ID (in)	Len (ft)	Top Thread

AFE Number DD.17.30781.CAP.DRL	AFE+Supp Amt (Cost) 2,331,000.00
Day Total (Cost) 20,446	Cum To Date (Cost) 2,159,980
Mud Field Est (Cost)	Cum Mud Field Est (Co... 97,240
Start Depth (ftKB) 19,219.0	End Depth (ftKB) 19,219.0
Planned Formation WOLFCAMP B	Planned TMD (ftKB) 19,337.0

Last Casing String
Production Casing, 19,219.0ftKB

Daily Contacts

Job Contact	Mobile
BRIAN ALLEMAN, Engineer	214-978-8000
CHRISTOPHER ABSHIRE, Foreman	281-220-5828
KEVIN GOTTE, Consultant	281-220-5828
TRAVIS PERSCHE, Rig Clerk/Logistics	281-220-5829

Personnel Log

Head Count	17.0
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Rigs

HELMERICH & PAYNE DRILLING, 3	
Contractor HELMERICH & PAYNE DRILLING	Rig Number 394
Rig Supervisor THOMAS PENDERGRASS, Toolpusher	Phone Mobile

1, Gardner-Denver, PZ-11

Pump Number 1	Pwr (hp) 1,300.0	Rod Diameter...
Liner Size (in) 5	Stroke (in) 11.00	Vol/Stk OR (b...
P (psi)	Slow Spd	Strokes (s... Eff (%)

2, Gardner-Denver, PZ-11

Pump Number 2	Pwr (hp) 1,300.0	Rod Diameter...
Liner Size (in) 5	Stroke (in) 11.00	Vol/Stk OR (b...
P (psi)	Slow Spd	Strokes (s... Eff (%)

Mud Additive Amounts

Mud Additive Description	Field Est (Cost/unit)	Consumed

Job Supplies

Supply Item Description DIESEL FOR OBM	Unit Label Gal
Total Received 49,969.0	Total Consumed 42,374.0
On Loc 0.0	
Supply Item Description DRILLING CUTTINGS	Unit Label Cu. Yds
Total Received 465.0	Total Consumed 465.0
On Loc 0.0	
Supply Item Description DRILLING WATER	Unit Label Bbl
Total Received 5,994.6	Total Consumed 5,994.6
On Loc 0.0	
Supply Item Description FUEL	Unit Label Gal
Total Received 52,682.0	Total Consumed 32,788.0
On Loc 96.0	
Supply Item Description LIQUID DRILLING WASTE	Unit Label Bbl
Total Received 740.0	Total Consumed 740.0
On Loc 0.0	



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Report #: 30.0, DFS: 18.71
Time Log DFS: 18.71
Depth Progress: 0.00

Drilling Parameters

Wellbore	Start Depth (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Drilling Time (hr)	Cum Drill Time (hr)	Interval ROP (ft/hr)	Flow Rate (gpm)
WOB (1000lbf)	Rotary RPM (rpm)	SPP (psi)	Drill Str Wt (1000...)	PU Str Wt (1000lbf)	SO Str Wt (1000lbf)	Drilling Torque	Off Btm Tq
Q Gas Inj (ft³/min)	T Inj (°F)	P BH Ann (psi)	T BH (°F)	P Surf Annulus (p...)	T Surf Annulus (°F)	Q Liq Return (gpm)	Q Gas Return (f...

Hydraulic Calculations

Bit Hydraulic Power (hp)	HP/Area (hp/in²)	Bit Jet Velocity (ft/s)	Bit Pressure Drop (psi)	% P @ bit (%)
Max Casing AV (ft/min)	Max Open Hole AV (ft/min)	Min Casing AV (ft/min)	Min Open Hole AV (ft/min)	ECD End (lb/gal)

Error

Kicks

Kick Date	Kick Depth (ftKB)	Control Date	Control Depth (ftKB)	Kick Class
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Kill Notes

Lost Circulation

Start Date	Top Depth (ftKB)	Bottom Depth (ftKB)	Ops In Prog	Vol Lost Tot (bbl)	End Date
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Interval Problems

Problem Type	Problem Subtype	Start Date	Start Depth (ftKB)	End Depth (ftKB)	Est Cost (Cost)	Est Lost Time (hr)
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Action Taken

Interval Lessons

Lesson Type	Start Date	End Date	Start Depth (ftKB)	End Depth (ftKB)	Est Cost Saving (Co..)	Est Time Saving (hr)
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Comment

Safety Incidents

Time	Category	Type	Subtype	Cause	Lost time?	Severity
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Leak Off and Formation Integrity Tests

Run Date	OD (in)	Set Depth (ft...	Set Depth (T...	Comment	MACP Press.
7/20/2017	13 3/8	1,461.0	1,460.8	TEST ON CHART: GOOD TEST	500.0
Test Date	Test Type		Fluid Density (lb/gal)	EMW (lb/gal)	
7/21/2017	Casing Test		8.30	14.80	
Run Date	OD (in)	Set Depth (ft...	Set Depth (T...	Comment	MACP Press.
7/24/2017	9 5/8	5,058.0	4,973.3	TEST ON CHART: GOOD TEST	1,500.0
Test Date	Test Type		Fluid Density (lb/gal)	EMW (lb/gal)	
7/25/2017	Casing Test		9.90	15.71	
Run Date	OD (in)	Set Depth (ft...	Set Depth (T...	Comment	MACP Press.
7/24/2017	9 5/8	5,058.0	4,973.3	TEST ON CHART: GOOD TEST	96.0
Test Date	Test Type		Fluid Density (lb/gal)	EMW (lb/gal)	
7/26/2017	F.I.T.		9.90	10.27	

Survey Data

MD (ftKB)	Inclination (°)	Azimuth (°)	TVD (ftKB)	VS (ft)	NS (ft)	EW (ft)	DLS (°/100ft)
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Job Supplies

Supply Item Description	Unit Label
POTABLE WATER	Gal
Total Received	Total Consumed On Loc
37,600.0	37,600.0 0.0

Supply Item Description	Unit Label
SEWAGE	Gal
Total Received	Total Consumed On Loc
27,900.0	27,900.0 0.0

Supply Item Description	Unit Label
THREAD PROTECTORS	Box
Total Received	Total Consumed On Loc
1.0	1.0 0.0

Supply Item Description	Unit Label
TRASH/GENERAL WASTE	Box
Total Received	Total Consumed On Loc
2.0	2.0 0.0

Safety Checks

Time	Type	Safety Topic
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Wellbores

Wellbore Name
UNIVERSITY 3-35 #104HB

Kick Offs & Key Depths

Type	Top Depth (ftKB)
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