

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

API/UWI 42-003-45309-0000	Property Sub 927638-010	Operator PIONEER NATURAL RESRC USA, INC	State TEXAS	County ANDREWS
Field Name SPRABERRY (TREND AREA)	Surface Legal Location 100' FNL/ 1547' FWL, SEC: 36, BLK: 7, TWP: , SVY: University Lands			
Spud Date 8/4/2013	TD Date 9/12/2013	Drilling Rig Release Date 9/21/2013	Frac Date 10/14/2013	On Production Date 11/10/2013
Ground Elevation (ft) 2,968.00	Original KB Elevation (ft) 2,994.60	PBTD (All) (ftKB)	Total Depth (All) (ftKB) Original Hole - 18,483.0	Total Depth All (TVD) (ftKB) Original Hole - 10,915.8

Report #: 1 Daily Operation: 7/30/2013 06:00 - 7/31/2013 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 027310
Days From Spud (days) -4	Days on Location (days) 1	End Depth (ftKB) 0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PATTERSON - UTI, 220

Operations Summary

R/D Rig, Move rig to the University 7-43-#10H, Continue preping rig for move.

Remarks

Rig moved started:7:00 A.M. 7-30-2013

Accepted rig to drill:

Total rig move: 1 Days

Contacted: TRRC
Surface csg and cmt-
Intermediate-
Production-
Job #
Spud Surface:
TD Surface:
TD Intermediate:
Test BOP:
Landed Curve:
TD Lateral:

Days Since Spud: 1 Days
Rig released @: xxx

Days Rig Downtime: Hrs
Total Rig Downtime:

Total mud lost to well-
Total OBM lost to well-

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
7/30/2013 06:00	7/31/2013 06:00	24	PLAN	MOB	MIRU	R/D floor, Dock top drive, hang blocks, Load back yard, move to new location & set mud pits, Cont. r/u back yard, 1 DSRR, 90% R/D 50% moved out, 10% R/U on new location, Lowered Sub, Unable to lower derrick due to New MRC on off drill side would not bleed air out properly causing cylinder to jump , NOV technician was present while trying to bleed MRC, R/D electric lines F/ VFD house to sub.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 2 Daily Operation: 7/31/2013 06:00 - 8/1/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027310
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
-3	2	0.0			PATTERSON - UTI, 220	

Operations Summary

Move rig from the Scharbauer Ranch #201H to the University 7-43 #10H, Change out brakes, Repair derrick ladder, Inspect gearends on mud pumps.

Remarks

Rig moved started: 7:00 A.M. 7-30-2013

Accepted rig to drill:

Total rig move: 2 Days

Contacted: TRRC
Surface csg and cmt-
Intermediate-
Production-
Job #

Spud Surface:
TD Surface:
TD Intermediate:
Test BOP:
Landed Curve:
TD Lateral:

Days Since Spud: Days
Rig released @: xxx

Days Rig Downtime: Hrs
Total Rig Downtime:

Total mud lost to well-
Total OBM lost to well-

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
7/31/2013 06:00	8/1/2013 06:00	24	MOBILIZATION	MIRU	MIRU	Continue Rig Down & move from the Scharbauer Ranch #201H to the University 43-7 #10H, Lay over sub & derrick, R/D derrick, Move VFD house & gen package to the new location, Continue rigging up steel pits, Perform routine inspections of both gearends on the mud pumps, Repair derrick ladder, Crew worked all day W/ 5 to 7 hands, Change out brakes on drawworks, 100% rigged down, 90% on new locations & 15% rigged up.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 3 Daily Operation: 8/1/2013 06:00 - 8/2/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027310
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
-2	3	0.0			PATTERSON - UTI, 220	

Operations Summary

Remove drk from sub, split same, split and load up subs and misc. from old location, transfer OBM from old location to new, haul out old frac tanks, set subs over hole @1500, Trouble with haul truck for drk @ 14:30, Rig up back yard pvc to reserve, shaker slides and conduct CRI on backyard, 100% moved out, 50% R/U

Remarks

Rig moved started:7:00 A.M. 7-30-2013

Accepted rig to drill:

Total rig move: 3 Days

Contacted: TRRC

Surface csg and cmt-

Intermediate-

Production-

Job #

Spud Surface:

TD Surface:

TD Intermediate:

Test BOP:

Landed Curve:

TD Lateral:

Days Since Spud: Days

Rig released @: xxx

Days Rig Downtime: Hrs

Total Rig Downtime:

Total mud lost to well-

Total OBM lost to well-

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/1/2013 06:00	8/1/2013 15:00	9	MOBILIZATION	MIRU	MIRU	Remove drk from sub, split same, split and load up subs and misc. from old location, transfer OBM from old location to new, haul out old frac tanks, set subs over hole @1500
8/1/2013 15:00	8/2/2013 06:00	15	MOBILIZATION	MIRU	MIRU	Haul truck for drk blew two tires @ 14:30, Tires were repaired less than a mile down the road, truck blew two more tires on a turn and messed up axles, had to put bottom half of derrick on different truck, (did not make it to location till, 20:45), Cont. to rig up back yard pvc lines to reserve, trash pumps, shaker slides, and conduct CRI on backyard, 100% moved out, 50% R/U (could not rig up motor package due to derrick problems)

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 4 Daily Operation: 8/2/2013 06:00 - 8/3/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027310
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
-1	4	0.0			PATTERSON - UTI, 220	

Operations Summary

Bring in derrick and set on sub floor, pin together, string up and dress same, set in motor package and front yard, raise derrick @ Raise sub @, cont. rigging up preping rig for prespud inspection 100% moved in, 80% rigged up, 4 DSRR, Raise derrick @1800, Raise sub @1945, Rig up floor and front yard.

Remarks

Rig moved started:7:00 A.M. 7-30-2013

Accepted rig to drill:

Total rig move: 4 Days

Contacted: TRRC

Surface csg and cmt-

Intermediate-

Production-

Job #

Spud Surface:

TD Surface:

TD Intermediate:

Test BOP:

Landed Curve:

TD Lateral:

Days Since Spud: Days

Rig released @: xxx

Days Rig Downtime: Hrs

Total Rig Downtime:

Total mud lost to well-

Total OBM lost to well-

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/2/2013 06:00	8/3/2013 06:00	24	MOBILIZATION	MIRU	MIRU	Bring in derrick and set on sub floor, pin together, string up and dress same, set in motor package and front yard, raise derrick @ Raise sub @, cont. rigging up preping rig for prespud inspection 100% moved in, 80% rigged up, 4 DSRR, Raise derrick @1800, Raise sub @1945, Rig up floor and front yard.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 5 Daily Operation: 8/3/2013 06:00 - 8/4/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027310
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PATTERSON - UTI, 220	
0	5	0.0				

Operations Summary

Test drawworks without load after installing new brakes, spool up drum, pin blocks to TD, R/U new st-80, dress out floor, cont. to prep rig for spud, pre spud inspection, P/U BHA, & wait on lift sub and XO

Remarks

Rig moved started: 7:00 A.M. 7-30-2013

Accepted rig to drill: @1800, 8/3/2013

Total rig move: 4.5 Days

Contacted: TRRC
Surface csg and cmt-
Intermediate-
Production-
Job #
Spud Surface:
TD Surface:
TD Intermediate:
Test BOP:
Landed Curve:
TD Lateral:

Days Since Spud: Days

Rig released @: xxx

Days Rig Downtime: Hrs

Total Rig Downtime:

Total mud lost to well-

Total OBM lost to well-

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/3/2013 06:00	8/3/2013 18:00	12	MOBILIZATION	MIRU	MIRU	Test drawworks without load after installing new brakes, spool up drum, pin blocks to TD, R/U new st-80, dress out floor, cont. to prep rig for spud, pre spud inspection, spud well @
8/3/2013 18:00	8/4/2013 00:30	6.5	PLAN	EQUIP	BOPS	N/U cond. and center same, Weld on drain valve.
8/4/2013 00:30	8/4/2013 01:30	1	SURF-CIRC	CIRCULATE	CIRC	Flush trough top drive with both pumps, and surf. test lines to 1500 psi
8/4/2013 01:30	8/4/2013 03:30	2	PLAN	EQUIP	BHA	Strap and caliper BHA
8/4/2013 03:30	8/4/2013 06:00	2.5	PLAN	EQUIP	BHA	M/U BHA. Shock sub, prodrift, 8" DC and IBS & 8" DC, While waiting on lift sub & XO

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 6 Daily Operation: 8/4/2013 06:00 - 8/5/2013 06:00

Job Category ORIG DRILLING				Primary Job Type ODR			AFE Number 027310
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig		
1	6	1,756.0	1,756.0	8.40	PATTERSON - UTI, 220		

Operations Summary

P/U MM, test same, P/U BHA tag @ 120', Rot drill f/ 120' t/ 1,756' TD, circulate and attempt to clean up hole and bit.

Remarks

Rig moved started: 7:00 A.M. 7-30-2013

Accepted rig to drill: @1800, 8/3/2013

Total rig move: 4.5 Days

Contacted: TRRC 8-3-13 @ 0730 am Operator 25 Linda

Surface csg and cmt-

Intermediate-

Production-

Job #

Spud Surface: @1000 8/4/2013

TD Surface:

TD Intermediate:

Test BOP:

Landed Curve:

TD Lateral:

Days Since Spud: 1 Days

Rig released @: xxx

Days Rig Downtime: Hrs

Total Rig Downtime:

Total mud lost to well-

Total OBM lost to well-

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/4/2013 06:00	8/4/2013 07:00	1	PLAN	EQUIP	BHA	P/U MM, X/O, and test same, M/U bit #1
8/4/2013 07:00	8/4/2013 08:00	1	UNPLANNED	Other - Anything not listed above	U_OTR	Repair leak on Conductor pipe
8/4/2013 08:00	8/4/2013 09:30	1.5	PLAN	EQUIP	BHA	TIH w/ BHA and tag @ 120'
8/4/2013 09:30	8/4/2013 10:00	0.5	UNPLANNED	Unplanned time associated with all efforts to side	U_GEO	Attempt to take survey with pro shot w/ no success call tech out
8/4/2013 10:00	8/4/2013 10:30	0.5	SURF-DRILL	DRILL SURFACE	DRL	Rot drill f/ 120' t/ 200' (80' @ 160 fph) WOB 10-15, GPM 356, 85 SPM, 65 RPM, MRPM 42
8/4/2013 10:30	8/4/2013 11:00	0.5	UNPLANNED	Unplanned time associated with all efforts to side	U_GEO	C/O ring gasket on vibrator hose on #1 pump
8/4/2013 11:00	8/4/2013 12:00	1	SURF-CIRC	CIRCULATE	CIRC	Pro shot tech arrived trouble shoot survey tool, recalibrate pressure settings, P/U and take survey @ 180'
8/4/2013 12:00	8/4/2013 14:00	2	SURF-DRILL	DRILL SURFACE	DRL	Rot drill f/ 200' t/ 490' (290' @ 145 fph) WOB 25-30, GPM 628, 150 SPM, 65-90 RPM, MRPM 75
8/4/2013 14:00	8/4/2013 16:00	2	UNPLANNED	Unplanned time associated with all efforts to side	U_GEO	Flow line plugged up after sweep came around, unplug same and re route jet line on flow line to gun lines for more volume
8/4/2013 16:00	8/5/2013 05:00	13	SURF-DRILL	DRILL SURFACE	DRL	Rot drill f/ 490' t/ 1,756' (1266' @ 90' fph) WOB 25-30, GPM 628, 150 SPM, 65-90 RPM, MRPM 75 (AT 850' swap over from reserve to steel pits)
8/5/2013 05:00	8/5/2013 06:00	1	SURF-CIRC	CIRCULATE	CIRC	Circulate and attempt clean up hole and bit.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 7 Daily Operation: 8/5/2013 06:00 - 8/6/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027310
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
2	7	1,871.0	1,871.0	9.30	PATTERSON - UTI, 220	

Operations Summary

Rotate Drill F/1,756' T/, CBU before TOO H, R/U Casing crew and Run 45 jts 13 3/8 J-55 BTC#68, CBU x2, R/U Cement and Safety meeting same.

Remarks

Rig moved started: 7:00 A.M. 7-30-2013

Accepted rig to drill: @1800, 8/3/2013

Total rig move: 4.5 Days

Contacted: TRRC 8-3-13 @ 0730 am Operator 25 Linda

Surface csg and cmt-

Intermediate-

Production-

Job #

Spud Surface: @1000 8/4/2013

TD Surface: @0930 8/5/2013

TD Intermediate:

Test BOP:

Landed Curve:

TD Lateral:

Days Since Spud: 2 Days

Rig released @: xxx

Days Rig Downtime: Hrs

Total Rig Downtime:

Total mud lost to well-

Total OBM lost to well-

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/5/2013 06:00	8/5/2013 09:30	3.5	SURF-DRILL	DRILL SURFACE	DRL	Rot drill f/ 1,756' t/1871' (115' @ 32 fph) WOB 20-25, GPM 588, 140 SPM, 65-90 RPM, MRPM 75
8/5/2013 09:30	8/5/2013 11:30	2	SURF-CIRC	CIRCULATE	CIRC	Pump sweeps, CBU X 2
8/5/2013 11:30	8/5/2013 15:00	3.5	SURF-TRIP	TOOH	TRIP	TOOH f/ 1871' t/ surf (hole taking proper fill, tight spot @ 1634' wash through it, then run through with no pumps did not see any drag)
8/5/2013 15:00	8/5/2013 17:00	2	PLAN	EQUIP	BHA	L/O Stb, X/O and MM
8/5/2013 17:00	8/5/2013 19:00	2	SURF-CASE	RUN SURFACE CASING	CASE	Clean rig floor C/O rig bales and elevators for csg bales
8/5/2013 19:00	8/6/2013 02:30	7.5	SURF-CASE	RUN SURFACE CASING	CASE	S/M R/U csg crew and run 13 3/8 68# J-55 BTC surf csg (shoe @ 1870' F/C @ 1825')
8/6/2013 02:30	8/6/2013 04:30	2	SURF-CIRC	CIRCULATE	CIRC	CBU x 2, R/D csg crew, R/U Cmtrs
8/6/2013 04:30	8/6/2013 06:00	1.5	SURF-CMT	CEMENT SURFACE CASING	CMT	R/U Cement & Safety meeting

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 8 Daily Operation: 8/6/2013 06:00 - 8/7/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027310
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
3	8	1,871.0	1,871.0	9.30	PATTERSON - UTI, 220	

Operations Summary

Swap lines to Schlumberger, test line to 2500 psi, and cmt 13 3/8 csg, bumped plug w/ 500 psi over, full returns, floats held, circulated 200 bbls cmt to surf., WOC 4 hrs, Cut csg, set well head, N/U BOPs and Test same.

Remarks

Rig moved started: 7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC
8-3-13 @ 0730 am Operator 25 Linda
Surface csg and cmt
8-3-13 @ 0730 am Operator 25 Linda
Intermediate-
Production-
Job #
Spud Surface: @1000 8/4/2013
TD Surface: @0930 8/5/2013
TD Intermediate:
Test BOP:
Landed Curve:
TD Lateral:

Days Since Spud: 3 Days
Rig released @: xxx

Days Rig Downtime: Hrs
Total Rig Downtime:

Total mud lost to well-
Total OBM lost to well-

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/6/2013 06:00	8/6/2013 08:30	2.5	SURF-CMT	CEMENT SURFACE CASING	CMT	S/M swap lines, test lines to 2500 psi. (1) Pumped 20 bbls Spacer, (2) Pumped 293 bbls (855 sks) Clas C Slurry, (3) Pumped 117 bbls (385 sks) tail slurry Class C, (4) Pumped 268.9 bbls Displacement, (5) Bumped Plug @ 1071 psi, float held, released pressure bled back 1.0 bbl. (6) Full returns through out complete job. (7) Returned 200 bbl's cement to reserve pit.
8/6/2013 08:30	8/6/2013 11:30	3	PLAN	EQUIP	WLHEAD	WOC 3 hours (c/o bales and elevators) slack off csg, cut 13 3/8 csg, (cmt at csg top) l/d same, make final cut, weld on head and test to 500 psi,
8/6/2013 11:30	8/6/2013 16:30	5	INT-NU/TEST	NIPPLE UP/TST	NU/TEST	N/U BOPs to test
8/6/2013 16:30	8/6/2013 19:00	2.5	UNPLANNED	Other - Anything not listed above	U_OTR	Modify flow line W/Welder, install turn buckles,
8/6/2013 19:00	8/6/2013 23:30	4.5	SURF-NU/TEST-SURF	NIPPLE UP/TEST	NU/TEST	Testing Choke & Blind Rams @ 250 low & 2500 high for 15 minutes
8/6/2013 23:30	8/7/2013 06:00	6.5	SURF-NU/TEST-SURF	NIPPLE UP/TEST	NU/TEST	Lower pipe rams & Upper Pipe rams, standpipe, HCR, kill line, floor valve, Manual valve & IBOP @ 250 low & 2500 high for 5 minutes & floor & pump valves, Valve on test sub broke change out same.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 9 Daily Operation: 8/7/2013 06:00 - 8/8/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027310
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
4	9	2,367.0	2,366.9	9.00	PATTERSON - UTI, 220	

Operations Summary

Test CSG, Lay down 8" shock sub and proshot, P/U MM& EM tool Scribe Same, M/U Bit #2, TIH, Tag Cement @ 1819', Drill F/1,871 T/2,367

Remarks

Rig moved started: 7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC
8-3-13 @ 0730 am Operator 25 Linda
Surface csg and cmt
8-3-13 @ 0730 am Operator 25 Linda
Intermediate-
Production-
Job #
Spud Surface: @1000 8/4/2013
TD Surface: @0930 8/5/2013
TD Intermediate:
Test BOP:
Landed Curve:
TD Lateral:

Days Since Spud: 4 Days
Rig released @: xxx

Days Rig Downtime: Hrs
Total Rig Downtime:

80% shale, 10% sand, 10% Anhydrite @ 2,220'
Total mud lost to well-
Total OBM lost to well-

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/7/2013 06:00	8/7/2013 07:00	1	SURF-NU/TEST-SURF	NIPPLE UP/TEST	NU/TEST	Test CSG to 500 hold for 30 min
8/7/2013 07:00	8/7/2013 08:00	1	PLAN	EQUIP	RIGSER	Rig Service
8/7/2013 08:00	8/7/2013 10:00	2	SURF-TRIP	TOOH	TRIP	Laydown 8" shock sub and Proshot
8/7/2013 10:00	8/7/2013 12:00	2	INT-TRIP IN HOLE	TRIP IN HOLE	TIH	P/U MM & EM TOOL, Scribe Same & test M/U bit #2
8/7/2013 12:00	8/7/2013 13:00	1	INT-TRIP IN HOLE	TRIP IN HOLE	TIH	Install rotating head
8/7/2013 13:00	8/7/2013 18:00	5	INT-TRIP IN HOLE	TRIP IN HOLE	TIH	TIH F/605' T/1819' Tag Cement @1819'
8/7/2013 18:00	8/7/2013 19:00	1	UNPLAN	OTHR	U_OTR	Install kill line & 2" Fill up line
8/7/2013 19:00	8/8/2013 06:00	11	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate Drill F/1871' T/2,367'

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 10 Daily Operation: 8/8/2013 06:00 - 8/9/2013 06:00

Job Category ORIG DRILLING				Primary Job Type ODR		AFE Number 027310
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
5	10	3,434.0	3,433.8	8.90	PATTERSON - UTI, 220	

Operations Summary

Rot and slide drill f/ 2367' t/ 3,434

Remarks

Rig moved started: 7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC
8-3-13 @ 0730 am Operator 25 Linda
Surface csg and cmt
8-3-13 @ 0730 am Operator 25 Linda
Intermediate-
Production-
Job #
Spud Surface: @1000 8/4/2013
TD Surface: @0930 8/5/2013
TD Intermediate:
Test BOP:
Landed Curve:
TD Lateral:

Days Since Spud: 5 Days
Rig released @: xxx

Days Rig Downtime: Hrs
Total Rig Downtime:
Projection @ bit 2.0' Behind 18' Right of Plan
50% shale, 50% Chert @ 3,360'
Total mud lost to well-
Total OBM lost to well-

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/8/2013 06:00	8/8/2013 10:30	4.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rot drill f/ 2367' t/2,674' (307' @ 68.2' fph) WOB 25-30, GPM 628, 150 SPM, 65-90 RPM, MRPM 100 Diff psi 450
8/8/2013 10:30	8/8/2013 11:15	0.75	PLAN	EQUIP	RIGSER	Rig Serv.
8/8/2013 11:15	8/8/2013 14:30	3.25	INT-DRILL-TAN	DRILL INT TANGENT-ROTATE	DRL-ROT	Rot drill f/ 2,674' t/2,869' (195' @ 56' fph) WOB 25-30, GPM 628, 150 SPM, 65-90 RPM, MRPM 100 Diff psi 450
8/8/2013 14:30	8/8/2013 15:30	1	INT-DRILL-TAN	DRILL INT TANGENT-SLIDE	DRL-SLIDE	Slide Drill F/ 2,869' to 2,888' (19' @ 19' fph), 15 WOB, 0 RPM, TQ 0, 2 X 70 SPM @ 605 GPM, MRPM 80, 1200 SPP, 190 Diff. 150 TF
8/8/2013 15:30	8/8/2013 18:00	2.5	INT-DRILL-TAN	DRILL INT TANGENT-ROTATE	DRL-ROT	Rot drill F/ 2,888' T/2,963' (75' @ 30' fph) WOB 25-30, GPM 605, 150 SPM, 65-90 RPM, MRPM 100 Diff psi 450
8/8/2013 18:00	8/8/2013 19:00	1	INT-DRILL-TAN	DRILL INT TANGENT-SLIDE	DRL-SLIDE	Slide Drill F/ 2,963' to 2,995' (32' @ 21' fph), 15 WOB, 0 RPM, TQ 0, 2 X 70 SPM @ 605 GPM, MRPM 80, 1200 SPP, 190 Diff. 120 MTF
8/8/2013 19:00	8/9/2013 01:00	6	INT-DRILL-TAN	DRILL INT TANGENT-ROTATE	DRL-ROT	Rot drill F/ 2,995' T/3,246' (251' @ 42' fph) WOB 25-30, GPM 605, 150 SPM, 65-90 RPM, MRPM 100 Diff psi 450
8/9/2013 01:00	8/9/2013 02:00	1	INT-TRIP IN HOLE	TRIP IN HOLE	TIH	Install rotating head
8/9/2013 02:00	8/9/2013 06:00	4	INT-DRILL-TAN	DRILL INT TANGENT-ROTATE	DRL-ROT	Rot drill F/ 3,246' T/3,434' (251' @ 42' fph) WOB 25-30, GPM 605, 150 SPM, 65-90 RPM, MRPM 100 Diff psi 450

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 11 Daily Operation: 8/9/2013 06:00 - 8/10/2013 06:00

Job Category ORIG DRILLING				Primary Job Type ODR		AFE Number 027310	
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig		
6	11	4,345.0	4,344.6	9.50	PATTERSON - UTI, 220		

Operations Summary

Rot and slide drill F/3,434' T/ 4,345'

Remarks

Rig moved started: 7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC
8-3-13 @ 0730 am Operator 25 Linda
Surface csg and cmt
8-3-13 @ 0730 am Operator 25 Linda
Intermediate-
Production-
Job #
Spud Surface: @1000 8/4/2013
TD Surface: @0930 8/5/2013
TD Intermediate:
Test BOP:
Landed Curve:
TD Lateral:

Days Since Spud: 6 Days
Rig released @: xxx

Days Rig Downtime: Hrs
Total Rig Downtime:
Projection @ bit 18' Ahead 25.5' Right of Plan
70% shale, 30% Anhydrite @ 4,183'
Total mud lost to well-
Total OBM lost to well-

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/9/2013 06:00	8/9/2013 10:15	4.25	INT-DRILL-TAN	DRILL INT TANGENT-ROTATE	DRL-ROT	Rot drill F/ 3,434' T/3,623 ' (189' @ 44' fph) WOB 25-30, GPM 605, 150 SPM, 70 RPM, MRPM 100 Diff psi 450
8/9/2013 10:15	8/9/2013 11:15	1	PLAN	EQUIP	RIGSER	Rig Serv.
8/9/2013 11:15	8/9/2013 16:45	5.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rot drill F/ 3,623' T/3,906 ' (283' @ 62.8' fph) WOB 25-30, GPM 605, 150 SPM, 70 RPM, MRPM 100 Diff psi 450
8/9/2013 16:45	8/9/2013 17:45	1	UNPLANNED	Rig-related problems (BOPE, etc)	U_RIG	Drawworks shut down, Reset drawwork motors in VFD
8/9/2013 17:45	8/10/2013 06:00	12.25	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rot drill F/ 3,906' T/4345 ' (439' @ 35' fph) WOB 25-30, GPM 605, 150 SPM, 70 RPM, MRPM 100 Diff psi 450

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 12 Daily Operation: 8/10/2013 06:00 - 8/11/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027310
Days From Spud (days) 7	Days on Location (days) 12	End Depth (ftKB) 4,691.0	End Depth (TVD) (ftKB) 4,690.5	Dens Last Mud (lb/gal) 9.30	Rig PATTERSON - UTI, 220	

Operations Summary

Rot and slide drill F/4,345' T/ 4,349', Circulate condition mud before TOO, TOO 40 stands, Lay out MM and bit, M/U MM & Bit scribe same, TIH, Install rotating head & Level Derrick, TIH Fill Every 20 Stands, Wash 60' to Bottom, Rotate drill F/4,349' T/4,691'

Remarks

Rig moved started:7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC
8-3-13 @ 0730 am Operator 25 Linda
Surface csg and cmt
8-3-13 @ 0730 am Operator 25 Linda
Intermediate-
Production-
Job #
Spud Surface: @1000 8/4/2013
TD Surface: @0930 8/5/2013
TD Intermediate:
Test BOP:
Landed Curve:
TD Lateral:

Days Since Spud: 7 Days
Rig released @: xxx

Days Rig Downtime: Hrs
Total Rig Downtime: 1
Projection @ bit 25' Ahead 23' Right of Plan
30% shale,60% Anhydrite,10%Sand@4,635'
Total mud lost to well-
Total OBM lost to well-

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/10/2013 06:00	8/10/2013 06:30	0.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rot drill F/ 4,345' T/4349 ' (4' @ 8' fph) WOB 25-30, GPM 605, 150 SPM, 70 RPM, MRPM 100 Diff psi 450 (unable to get torque to the bit ROP slowed down to 20 fph)
8/10/2013 06:30	8/10/2013 10:00	3.5	INT-CIRC	CIRCULATE	CIRC	Pump sweeps and CBU x 2 for trip
8/10/2013 10:00	8/10/2013 13:00	3	INT-TRIP	TOOH	TRIP	TOOH F/ 4,349 T/ surf. (hole slick taking proper fill)
8/10/2013 13:00	8/10/2013 16:45	3.75	PLAN	EQUIP	BHA	Shut off EM tool, Lay out MM and bit, M/U MM & Bit scribe same, Reprogram EM tool
8/10/2013 16:45	8/10/2013 18:00	1.25	INT-TRIP IN HOLE	TRIP IN HOLE	TIH	TIH T/ 1700'
8/10/2013 18:00	8/10/2013 19:30	1.5	UNPLAN	OTHR	U_OTR	Install rotating head and shim derrick
8/10/2013 19:30	8/10/2013 21:30	2	INT-TRIP IN HOLE	TRIP IN HOLE	TIH	TIH F/ 1700' T/4,349'
8/10/2013 21:30	8/11/2013 06:00	8.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rot drill F/ 4,345' T/4349 ' (346' @ 36.5' fph) WOB 25-30, GPM 588, 150 SPM, 70 RPM, MRPM94 Diff psi 300

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 13 Daily Operation: 8/11/2013 06:00 - 8/12/2013 06:00

Job Category ORIG DRILLING				Primary Job Type ODR			AFE Number 027310				
Days From Spud (days)	8	Days on Location (days)	13	End Depth (ftKB)	5,860.0	End Depth (TVD) (ftKB)	5,859.3	Dens Last Mud (lb/gal)	9.40	Rig PATTERSON - UTI, 220	

Operations Summary

Rot and slide drill f/ 4,691 t/5,860, 1 hr repair rig pumps

Remarks

Rig moved started: 7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC

8-3-13 @ 0730 am Operator 25 Linda

Surface csg and cmt

8-3-13 @ 0730 am Operator 25 Linda

Intermediate-

Production-

Job #

Spud Surface: @1000 8/4/2013

TD Surface: @0930 8/5/2013

TD Intermediate:

Test BOP:

Landed Curve:

TD Lateral:

Days Since Spud: 8 Days

Rig released @: xxx

Days Rig Downtime: Hrs

Total Rig Downtime: 1

Projection @ bit 47' Ahead 12' Right of Plan

70% sand, 10% Sand @ 5,720'

Total mud lost to well-

Total OBM lost to well-

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/11/2013 06:00	8/11/2013 10:00	4	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rot drill F/ 4,691' T/4,849' (158' @ 39.5' fph) WOB 25-30, GPM 588, 150 SPM, 70 RPM, MRPM94 Diff psi 300
8/11/2013 10:00	8/11/2013 10:30	0.5	PLAN	EQUIP	RIGSER	Rig Serv.
8/11/2013 10:30	8/11/2013 12:15	1.75	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rot drill F/ 4,849' T/4,944' (95' @ 54.2' fph) WOB 25-30, GPM 588, 150 SPM, 70 RPM, MRPM94 Diff psi 300
8/11/2013 12:15	8/11/2013 13:15	1	UNPLAN	EQUIP	U_RIG	Mud pump auxiliaries and blower went down, reset both pumps in VFD house
8/11/2013 13:15	8/11/2013 18:00	4.75	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rot drill F/ 4,944' T/5,167' (223' @ 47' fph) WOB 25-30, GPM 588, 150 SPM, 70 RPM, MRPM94 Diff psi 300
8/11/2013 18:00	8/11/2013 23:00	5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rot drill F/ 5,167' T/5,514' (347' @ 69' fph) WOB 25-30, GPM 588, 150 SPM, 70 RPM, MRPM94 Diff psi 300
8/11/2013 23:00	8/11/2013 23:30	0.5	INT-DRILL-TAN	DRILL INT TANGENT-SLIDE	DRL-SLIDE	Slide Drill F/ 5,514' T/5,524' (10' @ 20' fph), 15 WOB, 0 RPM, TQ 0, 2 X 70 SPM @ 588 GPM, MRPM 94, 1350 SPP, 190 Diff. 340 TF
8/11/2013 23:30	8/12/2013 03:00	3.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rot drill F/ 5,524' T/5,702' (178' @ 59' fph) WOB 25-30, GPM 588, 150 SPM, 70 RPM, MRPM94 Diff psi 300
8/12/2013 03:00	8/12/2013 04:00	1	INT-DRILL-TAN	DRILL INT TANGENT-SLIDE	DRL-SLIDE	Slide Drill F/ 5,702' T/5,723' (21' @ 11' fph), 15 WOB, 0 RPM, TQ 0, 2 X 70 SPM @ 588 GPM, MRPM 94, 1350 SPP, 190 Diff. 340 TF
8/12/2013 04:00	8/12/2013 06:00	2	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rot drill F/ 5,723' T/5,860' (137' @ 91' fph) WOB 25-30, GPM 588, 150 SPM, 70 RPM, MRPM94 Diff psi 300

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 14 Daily Operation: 8/12/2013 06:00 - 8/13/2013 06:00

Job Category ORIG DRILLING				Primary Job Type ODR			AFE Number 027310				
Days From Spud (days)	9	Days on Location (days)	14	End Depth (ftKB)	6,991.0	End Depth (TVD) (ftKB)	6,990.1	Dens Last Mud (lb/gal)	9.00	Rig PATTERSON - UTI, 220	

Operations Summary

Rot and slide drill F/ 5860' T/6,991'

Remarks

Rig moved started: 7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC
8-3-13 @ 0730 am Operator 25 Linda
Surface csg and cmt
8-3-13 @ 0730 am Operator 25 Linda
Intermediate-
Production-
Job #
Spud Surface: @1000 8/4/2013
TD Surface: @0930 8/5/2013
TD Intermediate:
Test BOP:
Landed Curve:
TD Lateral:

Days Since Spud: 9 Days
Rig released @: xxx

Days Rig Downtime: Hrs
Total Rig Downtime: 1
Projection @ bit 48' Ahead 4' Left of Plan
50% Lime, 30% Sand, 20% Shale @ 6920'
Total mud lost to well-
Total OBM lost to well-

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/12/2013 06:00	8/12/2013 08:00	2	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rot drill F/ 5,860' T/5,986' (126' @ 63' fph) WOB 25-30, GPM 588, 150 SPM, 70 RPM, MRPM94 Diff psi 300
8/12/2013 08:00	8/12/2013 09:00	1	INT-DRILL-TAN	DRILL INT TANGENT-SLIDE	DRL-SLIDE	Slide Drill F/ 5,986' T/5,996' (10' @ 10' fph), 15 WOB, 0 RPM, TQ 0, 2 X 70 SPM @ 588 GPM, MRPM 94, 1350 SPP, 190 Diff. 340 TF
8/12/2013 09:00	8/12/2013 15:00	6	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rot drill F/ 5,996' T/6,361' (365' @ 60' fph) WOB 25-30, GPM 588, 150 SPM, 70 RPM, MRPM94 Diff psi 300
8/12/2013 15:00	8/12/2013 16:30	1.5	INT-DRILL-TAN	DRILL INT TANGENT-SLIDE	DRL-SLIDE	Slide Drill F/ 6,361' T/6,379' (18' @ 12' fph), 15 WOB, 0 RPM, TQ 0, 2 X 70 SPM @ 588 GPM, MRPM 94, 1350 SPP, 190 Diff. 340 TF
8/12/2013 16:30	8/12/2013 17:30	1	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rot drill F/ 6,379' T/6,455' (76' @ 76' fph) WOB 25-30, GPM 588, 150 SPM, 70 RPM, MRPM94 Diff psi 300
8/12/2013 17:30	8/12/2013 19:00	1.5	PLAN	EQUIP	RIGSER	Rig Service & clean out pump screens
8/12/2013 19:00	8/12/2013 20:30	1.5	INT-DRILL-TAN	DRILL INT TANGENT-SLIDE	DRL-SLIDE	Slide Drill F/ 6,455' T/6,472' (17' @ 11' fph), 15 WOB, 0 RPM, TQ 0, 2 X 70 SPM @ 588 GPM, MRPM 94, 1350 SPP, 190 Diff. 340 TF
8/12/2013 20:30	8/12/2013 22:00	1.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rot drill F/ 6,472' T/6,549' (77' @ 51' fph) WOB 25-30, GPM 588, 150 SPM, 70 RPM, MRPM94 Diff psi 300
8/12/2013 22:00	8/12/2013 23:00	1	INT-DRILL-TAN	DRILL INT TANGENT-SLIDE	DRL-SLIDE	Slide Drill F/ 6,549' T/6,564' (15' @ 15' fph), 15 WOB, 0 RPM, TQ 0, 2 X 70 SPM @ 588 GPM, MRPM 94, 1350 SPP, 190 Diff. 340 TF
8/12/2013 23:00	8/13/2013 06:00	7	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rot drill F/ 6,564' T/6,991' (427' @ 61' fph) WOB 25-30, GPM 588, 150 SPM, 70 RPM, MRPM94 Diff psi 300

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 15 Daily Operation: 8/13/2013 06:00 - 8/14/2013 06:00

Job Category ORIG DRILLING				Primary Job Type ODR			AFE Number 027310
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig		
10	15	7,462.0	7,461.0	9.10	PATTERSON - UTI, 220		

Operations Summary

Rot and slide drill f/ 6991' t/ 7,462', CBU x2, TOO H for bit, Shows @(7230'-7360')(7380'-7400')(7440'-7450'), about 5% Dyell Flu W/poor dry cuts

Remarks

Rig moved started: 7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC
8-3-13 @ 0730 am Operator 25 Linda
Surface csg and cmt
8-3-13 @ 0730 am Operator 25 Linda
Intermediate-
Production-
Job #
Spud Surface: @1000 8/4/2013
TD Surface: @0930 8/5/2013
TD Intermediate:
Test BOP:
Landed Curve:
TD Lateral:

Days Since Spud: 10 Days
Rig released @: xxx

Days Rig Downtime: Hrs
Total Rig Downtime: 1
Projection @ bit 45' Ahead 12' Left of Plan
100% Lime@7,460'
Total mud lost to well-
Total OBM lost to well-

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/13/2013 06:00	8/13/2013 14:00	8	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rot drill F/ 6,991' T/7,138' (147' @18' fph) WOB 25-35, GPM 588, 150 SPM, 70 RPM, MRPM94 Diff psi 300
8/13/2013 14:00	8/13/2013 15:00	1	PLAN	EQUIP	RIGSER	Rig Service
8/13/2013 15:00	8/14/2013 04:30	13.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rot drill F/ 7,138' T/7,462' (324' @24' fph) WOB 25-35, GPM 588, 150 SPM, 70 RPM, MRPM94 Diff psi 300
8/14/2013 04:30	8/14/2013 06:00	1.5	INT-CIRC	CIRCULATE	CIRC	CBU x2 Before TOO H for Bit

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 16 Daily Operation: 8/14/2013 06:00 - 8/15/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027310
Days From Spud (days) 11	Days on Location (days) 16	End Depth (ftKB) 7,770.0	End Depth (TVD) (ftKB) 7,769.0	Dens Last Mud (lb/gal) 9.00	Rig PATTERSON - UTI, 220	

Operations Summary
CBU, TOOH for bit, Shut off EM tool, drain MM, C/O STB sleeve, break bit, L/D MM, P/U new MM, scribe MM, C/O batteries on EM tool and program same, TIH T/7,462', Rotate/Slide Drill F/7,462' T/7,770'

Remarks
Rig moved started:7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC
8-3-13 @ 0730 am Operator 25 Linda
Surface csg and cmt
8-3-13 @ 0730 am Operator 25 Linda
Intermediate-
Production-
Job #
Spud Surface: @1000 8/4/2013
TD Surface: @0930 8/5/2013
TD Intermediate:
Test BOP:
Landed Curve:
TD Lateral:

Days Since Spud: 11 Days
Rig released @: xxx

Days Rig Downtime: Hrs
Total Rig Downtime: 1
Projection @ bit 44' Ahead 17' Left of Plan
70% Lime, 30%shale@7,682'
Total mud lost to well-
Total OBM lost to well-

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/14/2013 06:00	8/14/2013 07:00	1	INT-CIRC	CIRCULATE	CIRC	CBU while mixing slug, pump same
8/14/2013 07:00	8/14/2013 13:00	6	INT-TRIP	TOOH	TRIP	TOOH f/ 7462' to surface (slick hole, taking proper fill)
8/14/2013 13:00	8/14/2013 17:30	4.5	PLAN	EQUIP	BHA	Shut off EM tool, drain MM, C/O STB sleeve, break bit, L/D MM, P/U new MM, scribe MM, C/O batteries on EM tool and program same
8/14/2013 17:30	8/14/2013 18:00	0.5	INT-TRIP IN HOLE	TRIP IN HOLE	TIH	TIH t/350'
8/14/2013 18:00	8/14/2013 23:00	5	INT-TRIP IN HOLE	TRIP IN HOLE	TIH	TIH F/350' T/7,462' Filling every 30 stands
8/14/2013 23:00	8/15/2013 06:00	7	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rot drill F/ 7,462' T/7,770' 308' 244' fph) WOB 25-35, GPM 588, 150 SPM, 65 RPM, MRPM94 Diff psi 300

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 17 Daily Operation: 8/15/2013 06:00 - 8/16/2013 06:00

Job Category ORIG DRILLING				Primary Job Type ODR			AFE Number 027310				
Days From Spud (days)	12	Days on Location (days)	17	End Depth (ftKB)	8,960.0	End Depth (TVD) (ftKB)	8,958.8	Dens Last Mud (lb/gal)	9.10	Rig PATTERSON - UTI, 220	

Operations Summary

Rot drlg F/7770 T/8250, Service rig, Rot drlg F/8250 T/8909, Slide drlg F/8909 T/8919, Rot drlg F/8919 T/8960.

Remarks

Rig moved started: 7:00 A.M. 7-30-2013

Accepted rig to drill: @1800, 8/3/2013

Total rig move: 4.5 Days

Contacted: TRRC

8-3-13 @ 0730 am Operator 25 Linda

Surface csg and cmt

8-3-13 @ 0730 am Operator 25 Linda

Intermediate-

Production-

Job #

Spud Surface: @1000 8/4/2013

TD Surface: @0930 8/5/2013

TD Intermediate:

Test BOP:

Landed Curve:

TD Lateral:

Days Since Spud: 12 Days

Rig released @: xxx

Days Rig Downtime: Hrs

Total Rig Downtime: 1

Projection @ bit 57' Ahead 25' Left of Plan

30% Lime, 50% shale, 20% Limestone @ 8,910'

Total mud lost to well-

Total OBM lost to well-

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/15/2013 06:00	8/15/2013 14:00	8	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rot drill F/ 7,770' T/8,250' for 480' @ 60' fph) WOB 25-35, GPM 588, 140 SPM, PP2450 psi, 65 RPM, MRPM94 Diff psi 400-500, Torque 10-12K
8/15/2013 14:00	8/15/2013 14:30	0.5	PLAN	EQUIP	RIGSER	Rig Service
8/15/2013 14:30	8/15/2013 18:00	3.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rot drill F/ 8,250' T/8,482' for 232' @ 66' fph) WOB 25-35, GPM 588, 140 SPM, PP2450 psi, 65 RPM, MRPM94 Diff psi 400-500, Torque 10-12K
8/15/2013 18:00	8/16/2013 03:00	9	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rot drill F/ 8,482' T/8,909' for 427' @ 47.5' fph) WOB 30-35, GPM 546, 130 SPM, PP2200 psi, 65- 70 RPM, MRPM 88, Diff psi 350-400, Torque 10-12K. Note: Returns @ 60 - 90% from 8,620' to 8,700'.
8/16/2013 03:00	8/16/2013 05:00	2	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide Drill F/8,909' T/8,919' (10' @ 5' fph), 20 WOB, 0 RPM, TQ 0, 2 X 65 SPM @ 546 GPM, MRPM 88, SPP 2030, Diff 250. 320 TF
8/16/2013 05:00	8/16/2013 06:00	1	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rot drill F/ 8,919' T/8,960' for 41' @ 41' fph) WOB 30, GPM 588, 140 SPM, PP2350 psi, 75 RPM, MRPM 94, Diff psi 350-400, Torque 8-9K.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 18 Daily Operation: 8/16/2013 06:00 - 8/17/2013 06:00

Job Category ORIG DRILLING				Primary Job Type ODR			AFE Number 027310				
Days From Spud (days)	13	Days on Location (days)	18	End Depth (ftKB)	9,700.0	End Depth (TVD) (ftKB)	9,698.6	Dens Last Mud (lb/gal)	9.40	Rig PATTERSON - UTI, 220	

Operations Summary

Drig intermediate section F/8,960' T/ 9,700'.

Remarks

Rig moved started: 7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC
8-3-13 @ 0730 am Operator 25 Linda
Surface csg and cmt
8-3-13 @ 0730 am Operator 25 Linda
Intermediate-
Production-
Job #
Spud Surface: @1000 8/4/2013
TD Surface: @0930 8/5/2013
TD Intermediate:
Test BOP:
Landed Curve:
TD Lateral:

Days Since Spud: 13 Days
Rig released @: xxx

Days Rig Downtime: Hrs
Total Rig Downtime: 1
Projection @ bit 69' Ahead 40' Left of Plan
30% Lime, 70% shale, @ 9,650'
Total mud lost to well-
Total OBM lost to well-

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/16/2013 06:00	8/16/2013 07:00	1	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rot drill F/8,960' T/9,000' (40' @ 40' fph) WOB 30, GPM 586, SPM 140, PP2400 psi, 75 RPM, MRPM94, Diff psi 300, Torque 8-10K
8/16/2013 07:00	8/16/2013 08:30	1.5	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide Drill F/9,000' T/9,020' (20' @ 13' fph), 20 WOB, 0 RPM, TQ 0, 2 X 70 SPM @ 588 GPM, MRPM 88, SPP 2100, Diff 50. 0 deg TF
8/16/2013 08:30	8/16/2013 13:00	4.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rot drill F/9,020' T/9,192' (170' @ 38' fph) WOB 30, GPM 588, SPM 140, PP2200 psi, 75 RPM, MRPM94, Diff psi 450, Torque 10-13K
8/16/2013 13:00	8/16/2013 15:30	2.5	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide Drill F/9,192' T/9,208' (16' @ 6.4' fph), 12 WOB, 0 RPM, TQ 0, 2 X 70 SPM @ 588 GPM, MRPM 88, SPP 1980, Diff 170. 0 deg TF
8/16/2013 15:30	8/16/2013 16:00	0.5	PLAN	EQUIP	RIGSER	Rig Service
8/16/2013 16:00	8/16/2013 18:00	2	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rot drill F/9,208' T/9,286' (78' @ 39' fph) WOB 31, GPM 588, SPM 140, PP1938 psi, 75 RPM, MRPM94, Diff psi 300, Torque 10-13K
8/16/2013 18:00	8/16/2013 20:00	2	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide Drill F/9,286' T/9,306' (20' @ 10' fph), 20 WOB, 0 RPM, TQ 0, 140 SPM @ 588 GPM, MRPM 88, SPP 2100, Diff 200, 290 deg TF
8/16/2013 20:00	8/17/2013 06:00	10	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rot drill F/9,306' T/9,700' (394' @ 39.4' fph) WOB 30, GPM 588, SPM 140, SPP 2350 psi, 75 RPM, MRPM94, Diff psi 286, Torque 10-13K

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 19 Daily Operation: 8/17/2013 06:00 - 8/18/2013 06:00

Job Category ORIG DRILLING				Primary Job Type ODR			AFE Number 027310	
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig			
14	19	9,990.0	9,988.6	9.10	PATTERSON - UTI, 220			

Operations Summary

Drig intermediate F/9,700' T/9,990', CBU Before trip, Short trip, Circ to kill flow, TOO H F/9,990' T/9,944'.

Remarks

Rig moved started: 7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC
8-3-13 @ 0730 am Operator 25 Linda
Surface csg and cmt
8-3-13 @ 0730 am Operator 25 Linda
Intermediate-
Production-
Job #
Spud Surface: @1000 8/4/2013
TD Surface: @0930 8/5/2013
TD Intermediate:@1630 8/17/2013
Test BOP:
Landed Curve:
TD Lateral:

Days Since Spud: 14 Days
Rig released @: xxx

Days Rig Downtime: Hrs
Total Rig Downtime: 1
Projection @ bit 72' Ahead 44' Left of Plan
40% Lime, 60%shale, @ 9,990'
Total mud lost to well-
Total OBM lost to well-

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/17/2013 06:00	8/17/2013 09:00	3	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rot drill F/9,700' T/9,850' (150' @ 50' fph) WOB 30, GPM 588, SPM 140, SPP 2350 psi, 75 RPM, MRPM94, Diff psi 286, Torque 10-13K
8/17/2013 09:00	8/17/2013 09:30	0.5	PLAN	EQUIP	RIGSER	Rig Service
8/17/2013 09:30	8/17/2013 11:00	1.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rot drill F/9,850' T/9,900' (50' @ 33.3' fph) WOB 30, GPM 588, SPM 140, SPP 2350 psi, 75 RPM, MRPM94, Diff psi 286, Torque 10-13K
8/17/2013 11:00	8/17/2013 12:00	1	INT-CIRC	CIRCULATE	CIRC	Circ B/U for formation sample (looking for top of Wolfcamp)
8/17/2013 12:00	8/17/2013 13:30	1.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rot drill F/9,900' T/9,950' (50' @ 33.3' fph) WOB 30, GPM 588, SPM 140, SPP 2350 psi, 75 RPM, MRPM94, Diff psi 286, Torque 10-13K
8/17/2013 13:30	8/17/2013 15:00	1.5	INT-CIRC	CIRCULATE	CIRC	Circ B/U for formation sample (looking for top of Wolfcamp)
8/17/2013 15:00	8/17/2013 16:30	1.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rot drill F/9,950' T/9,990' (40' @ 26.6' fph) WOB 30, GPM 588, SPM 140, SPP 2350 psi, 75 RPM, MRPM94, Diff psi 286, Torque 10-13K Mud loggers top of Wolfcamp @ 9,893'.
8/17/2013 16:30	8/17/2013 18:00	1.5	INT-CIRC	CIRCULATE	CIRC	Circ B/U before TOO H to run casing Mud weight is being check with a set of pressure scales due to large amounts of air in the mud system.(average mud wt w/ pressure scale 9.3 ppg, average mud weight conventional mud scale 8.8 ppg.
8/17/2013 18:00	8/17/2013 19:00	1	INT-CIRC	CIRCULATE	CIRC	Circ B/U before TOO H to run casing Mud weight is being check with a set of pressure scales due to large amounts of air in the mud system.(average mud wt w/ pressure scale 9.3 ppg, average mud weight conventional mud scale 8.8 ppg.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/17/2013 19:00	8/17/2013 22:00	3	INT-TRIP	TOOH	TRIP	TOOH F/ 9990 T/8090, Hole was not taking any fluid to fill, Checked for flow, Had flow, TIH F/8090 T/9990 to circulate & kill flow.
8/17/2013 22:00	8/18/2013 05:30	7.5	INT-CIRC	CIRCULATE	CIRC	Circulate to kill flow, Checking flow every bottoms up, Bring in/out mud weights up to a 9.1 # on conventional scales to kill flow. Current mud In- Visc-38, WT.- 9.0, Out- Visc- 41, WT- 8.9.
8/18/2013 05:30	8/18/2013 06:00	0.5	INT-TRIP	TOOH	TRIP	Pump slug & TOOH F/9,990 T/9,944'.

Report #: 20 Daily Operation: 8/18/2013 06:00 - 8/19/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027310
Days From Spud (days) 15	Days on Location (days) 20	End Depth (ftKB) 9,990.0	End Depth (TVD) (ftKB) 9,988.6	Dens Last Mud (lb/gal) 9.20	Rig PATTERSON - UTI, 220	

Operations Summary

TOOH, Pull wear bushing, R/U casing crew & CRT, Run 9 5/8 Intermediate casing, Circulate @ 4,266'.

Remarks

Rig moved started:7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC

8-3-13 @ 0730 am Operator 25 Linda
Surface csg and cmt
8-3-13 @ 0730 am Operator 25 Linda
Intermediate-
8-18-13 10:30 am Operator 5 Brenda
Production-

Job

Spud Surface: @1000 8/4/2013
TD Surface: @0930 8/5/2013
TD Intermediate:@1630 8/17/2013

Test BOP:

Landed Curve:

TD Lateral:

Days Since Spud: 15 Days

Rig released @: xxx

Days Rig Downtime: Hrs

Total Rig Downtime: 1

Projection @ bit 72' Ahead 44' Left of Plan

40% Lime, 60%shale, @ 9,990'

Total mud lost to well-

Total OBM lost to well-

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/18/2013 06:00	8/18/2013 07:00	1	INT-TRIP	TOOH	TRIP	TOOH F/9,400' T/8,495', Hole taking proper displacement.
8/18/2013 07:00	8/18/2013 08:00	1	PLAN	EQUIP	RIGSER	Service rig.
8/18/2013 08:00	8/18/2013 13:00	5	INT-TRIP	TOOH	TRIP	TOOH F/8,495' T/605', Hole taking proper displacement.
8/18/2013 13:00	8/18/2013 16:00	3	PLAN	EQUIP	BHA	TOOH W/ BHA F/605' T/ surface, Lay down directional tools.
8/18/2013 16:00	8/18/2013 17:00	1	PLAN	EQUIP	BOPS	Pull wear bushing & install trip nipple on BOP.
8/18/2013 17:00	8/18/2013 18:00	1	INT-CASE	RUN INTERMEDIATE CASE	CASE	R/U casing crew & CRT.
8/18/2013 18:00	8/18/2013 19:00	1	PLAN	PERS	SFTY	Hold safety meeting W/ Patterson-UTI, Byrd & company reps before running casing.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/18/2013 19:00	8/18/2013 21:00	2	INT-CASE	RUN INTERMEDIATE CASE	CASE	Make up shoe track, Run in hole F/0 T/140', Test same. Note: Had trouble making up shoe track because Byrd does not have bails set up for link tilt. Had to lay down jt #3 due to cross threading.
8/18/2013 21:00	8/18/2013 21:30	0.5	INT-CASE	RUN INTERMEDIATE CASE	CASE	Remove clamps for link tilt from rig bails & install them on Byrds bails.
8/18/2013 21:30	8/19/2013 05:00	7.5	INT-CASE	RUN INTERMEDIATE CASE	CASE	Run in hole W/ 9 5/8 43.5 L-80 Intermediate casing F/140' T/4,266'. Total jts ran- 91
8/19/2013 05:00	8/19/2013 06:00	1	INT-CIRC	CIRCULATE	CIRC	Circulate @4,266', Hole not giving proper displacement, Establish returns & circulate.

Report #: 21 Daily Operation: 8/19/2013 06:00 - 8/20/2013 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 027310
-------------------------------	-------------------------	----------------------

Days From Spud (days) 16	Days on Location (days) 21	End Depth (ftKB) 9,990.0	End Depth (TVD) (ftKB) 9,988.6	Dens Last Mud (lb/gal) 9.20	Rig PATTERSON - UTI, 220
-----------------------------	-------------------------------	-----------------------------	-----------------------------------	--------------------------------	-----------------------------

Operations Summary

Run 9 5/8 casing T/9979, R/D casing crews, R/U swedge & Circ, Hold safety mtg, Pump 1st stage of cement job, Circulate between cement stages.

Remarks

Rig moved started:7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC
8-3-13 @ 0730 am Operator 25 Linda
Surface csg and cmt
8-3-13 @ 0730 am Operator 25 Linda
Intermediate-
8-18-13 10:30 am Operator 5 Brenda
Production-
Job #
Spud Surface: @1000 8/4/2013
TD Surface: @0930 8/5/2013
TD Intermediate:@1630 8/17/2013
Test BOP:
Landed Curve:
TD Lateral:

Days Since Spud: 16 Days
Rig released @: xxx

Days Rig Downtime: Hrs
Total Rig Downtime: 1
Projection @ bit 72' Ahead 44' Left of Plan
40% Lime, 60%shale, @ 9,990'
Total mud lost to well-
Total OBM lost to well-

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/19/2013 06:00	8/19/2013 17:00	11	INT-CASE	RUN INTERMEDIATE CASE	CASE	Run in hole W/ 9 5/8 43.5 L-80 Intermediate casing F/4,266' T/9,979'. Total jts ran- 213 & 3 pup jts. left out 10 jts.
8/19/2013 17:00	8/19/2013 18:00	1	INT-CASE	RUN INTERMEDIATE CASE	CASE	R/D casing running equipment, bail, elevators & etc.
8/19/2013 18:00	8/19/2013 18:30	0.5	INT-CASE	RUN INTERMEDIATE CASE	CASE	R/U circulating swedge.
8/19/2013 18:30	8/19/2013 19:30	1	INT-CIRC	CIRCULATE	CIRC	Circulate @ 3 BPM with rig pumps with no returns.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/19/2013 19:30	8/19/2013 20:00	0.5	PLAN	PERS	SFTY	Safety Mtg W/ Patterson-UTI, Schlumberger & Pioneer reps.
8/19/2013 20:00	8/20/2013 01:00	5	INT-CMT	CEMENT INTERMEDIATE CSG	CMT	Pump first stage of Intermediate cement job, No returns while pumping cement, 80% - 100% returns for 600 BBLS of displacement, No returns for the final 139 BBLS of displacement. Plug did not bump, Bled off & recieved 1.5 BBls flowback, Floats held. Pumped 80 BBL Mud Push Express ahead Lead 269 BBL of 10.69#, 745 sx LITECRETE cement. Tail 80 BBL of 12.5#, 270 sx TXI cement. 739.4 BBL of water based mud to displace.
8/20/2013 01:00	8/20/2013 02:30	1.5	INT-CMT	CEMENT INTERMEDIATE CSG	CMT	Bled pressure off cement lines and dropped opening plug, Waited 50 minutes, Pressured up to 500 psi to open the DV tool.
8/20/2013 02:30	8/20/2013 06:00	3.5	INT-CIRC	CIRCULATE	CIRC	Circulate @ 6 BPM with rig pumps, Full returns.

Report #: 22 Daily Operation: 8/20/2013 06:00 - 8/21/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027310
Days From Spud (days) 17	Days on Location (days) 22	End Depth (ftKB) 10,000.0	End Depth (TVD) (ftKB) 9,998.6	Dens Last Mud (lb/gal) 9.10	Rig PATTERSON - UTI, 220	

Operations Summary

Circ. between stages, Pump 2nd stage cement, R/D cementers, Pack off well head & test same, Install wear bushing, M/U BHA & TIH, Drill out DV Tool, TIH, Test casing, Drill out cement & shoe track, Rot drlg F/ 9,990' T/10,000', Circ bottoms up, Perform FIT.

Remarks

Rig moved started: 7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC
8-3-13 @ 0730 am Operator 25 Linda
Surface csg and cmt
8-3-13 @ 0730 am Operator 25 Linda
Intermediate-
8-18-13 10:30 am Operator 5 Brenda
Production-
Job #
Spud Surface: @1000 8/4/2013
TD Surface: @0930 8/5/2013
TD Intermediate: @1630 8/17/2013
Test BOP:
Landed Curve:
TD Lateral:

Days Since Spud: 17 Days
Rig released @: xxx

Days Rig Downtime: Hrs
Total Rig Downtime: 1
Projection @ bit 72' Ahead 44' Left of Plan
40% Lime, 60% shale, @ 9,990'
Total mud lost to well-
Total OBM lost to well-

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/20/2013 06:00	8/20/2013 06:30	0.5	INT-CMT	CEMENT INTERMEDIATE CSG	CMT	Circulate @ 6 BPM with rig pumps, Full returns.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/20/2013 06:30	8/20/2013 12:00	5.5	INT-CMT	CEMENT INTERMEDIATE CSG	CMT	Held safety meeting Pump Second stage of Intermediate cement job, Full returns while pumping cement, At 420 bbls of displacement away had cement back to surface, continue pumping, at 528 bbls top plugged bumped up at DV tool, increased pressure to 500 psi over and continue to increase pressure to 2000 psi and held for 10 mins. 1.5 BBLs flowback Pumped 80 BBL Mud Push Express ahead Lead 430.1 BBL of 10.69#, 1210 sx LITECRETE cement. Tail 110 BBL of 12.5#, 380 sx TXI cement. 528 BBL of water based mud to displace.
8/20/2013 12:00	8/20/2013 12:30	0.5	INT-CMT	CEMENT INTERMEDIATE CSG	CMT	R/D cement head & lines
8/20/2013 12:30	8/20/2013 14:00	1.5	INT-NU/TEST	NIPPLE UP/TST	NU/TEST	Backed out landing joint and ran in pack off & set same, tested pack off to 2000 psi for 5 mins
8/20/2013 14:00	8/20/2013 15:00	1	PLAN	EQUIP	RURDRT	Installed wear bushing & locked down same, installed rigs bails & elevators
8/20/2013 15:00	8/20/2013 18:00	3	INT-TRIP IN HOLE	TRIP IN HOLE	TIH	P/U BHA & TIH W/ D. P.
8/20/2013 18:00	8/20/2013 20:00	2	INT-TRIP IN HOLE	TRIP IN HOLE	TIH	TIH F/ 3775 T/6986, Tagged top of DV Tool @ 6986
8/20/2013 20:00	8/20/2013 21:30	1.5	PLAN	DRLG	DRLCMT	Drill out Plug & DV Tool F/ 6,986' T/6,990'.
8/20/2013 21:30	8/20/2013 23:00	1.5	INT-TRIP IN HOLE	TRIP IN HOLE	TIH	TIH F/6,990' T/9,728', Tagged cement @ 9,728'.
8/20/2013 23:00	8/21/2013 00:00	1	INT-TST CSG/DO/FIT	TEST CSG/DRILL OUT/FIT	TEST CSG/DRI LL OUT/FIT	Test casing to 2,000 psi. Good test. Lost 21 psi in 30 minutes from 2,009 psi down to 1,988 psi.
8/21/2013 00:00	8/21/2013 04:00	4	INT-TST CSG/DO/FIT	TEST CSG/DRILL OUT/FIT	TEST CSG/DRI LL OUT/FIT	Drill out cement, float & shoe. Tagged cement @ 9,728'. Tagged top of float @9,887'
8/21/2013 04:00	8/21/2013 05:00	1	PROD-DRILL VERTICAL	DRILL PROD VERTICAL-ROTATE	DRL-ROT	Rot drill F/9,990' T/10,000" (10' @ 10' fph) WOB 35, GPM 547, SPM 130, SPP 1739 psi, Diff 415 psi, Torque 4288.
8/21/2013 05:00	8/21/2013 05:30	0.5	PLAN	WLCOND	CIRC	Circulate bottoms up to ensure mud wt in is the same as mud wt out before FIT.
8/21/2013 05:30	8/21/2013 06:00	0.5	INT-TST CSG/DO/FIT	TEST CSG/DRILL OUT/FIT	TEST CSG/DRI LL OUT/FIT	Perform FIT @ an EMW of 13# pg.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 23 Daily Operation: 8/21/2013 06:00 - 8/22/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027310
Days From Spud (days) 18	Days on Location (days) 23	End Depth (ftKB) 10,025.0	End Depth (TVD) (ftKB) 10,023.6	Dens Last Mud (lb/gal) 11.90	Rig PATTERSON - UTI, 220	

Operations Summary

Perform FIT, TOO, P/U BHA, prep pits for OBM transfer, TIH, Sfty Mtg, Displace hole w/ OBM, Rot drill F/10,000' T/10,025'

Remarks

Rig moved started: 7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC
8-3-13 @ 0730 am Operator 25 Linda
Surface csg and cmt
8-3-13 @ 0730 am Operator 25 Linda
Intermediate-
8-18-13 10:30 am Operator 5 Brenda
Production-
Job #
Spud Surface: @1000 8/4/2013
TD Surface: @0930 8/5/2013
TD Intermediate: @1630 8/17/2013
Test BOP:
Landed Curve:
TD Lateral:

Days Since Spud: 18 Days
Rig released @: xxx

Days Rig Downtime: Hrs
Total Rig Downtime: 1
Projection @ bit 72' Ahead 44' Left of Plan
40% Lime, 60% shale, @ 9,990'
Total mud lost to well-
Total OBM lost to well-

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/21/2013 06:00	8/21/2013 06:30	0.5	PLAN	GEO	LKOFF	Perform FIT to 13ppg EMW, 2100psi w/ 9ppg MW, test good
8/21/2013 06:30	8/21/2013 11:30	5	PROD-TRIP	TRIP	TRIP	TOOH f/10,000 to 370', rack back DP. Clean pits while TOO.
8/21/2013 11:30	8/21/2013 13:00	1.5	PROD-TRIP BHA	TRIP FOR BHA	TRIP BHA	TOOH f/370' to surface, laying down DC
8/21/2013 13:00	8/21/2013 17:00	4	PROD-TRIP BHA	TRIP FOR BHA	TRIP BHA	P/U directional tools
8/21/2013 17:00	8/21/2013 18:00	1	PLAN	EQUIP	RURDRT	Prep. mud pits for OBM transfer
8/21/2013 18:00	8/21/2013 20:00	2	PLAN	EQUIP	RURDRT	Prep. mud pits for OBM transfer
8/21/2013 20:00	8/22/2013 02:30	6.5	PROD-TRIP	TRIP	TRIP	TIH f/0' to 9,640', install rotating head, P/U 3 stands f/ pipe rack & TIH f/9,640 to 10,000
8/22/2013 02:30	8/22/2013 03:00	0.5	PLAN	PERS	SFTY	Safety meeting over displacing WBM
8/22/2013 03:00	8/22/2013 04:00	1	PROD-CIRC	CIRCULATE	CIRC	Fill mud pits & displace hole with OBM
8/22/2013 04:00	8/22/2013 06:00	2	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rot Drill F/10,000' T/10,025' (25' @ 12.5 fph), 15k WOB, 30 RPM, TQ 5k, 120 SPM @ 505 GPM, 249 MRPM, 3850 SPP, 150 Diff

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 24 Daily Operation: 8/22/2013 06:00 - 8/23/2013 06:00

Job Category ORIG DRILLING				Primary Job Type ODR			AFE Number 027310
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig		
19	24	10,462.0	10,431.9	11.70	PATTERSON - UTI, 220		

Operations Summary

Rotate & Slide drill curve section F/10,025' T/10,205', Service rig, Rot & slide Drlg Curve F/10,205' T/10,462'.

Remarks

Rig moved started: 7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC
8-3-13 @ 0730 am Operator 25 Linda
Surface csg and cmt
8-3-13 @ 0730 am Operator 25 Linda
Intermediate-
8-18-13 10:30 am Operator 5 Brenda
Production-
Job #
Spud Surface: @1000 8/4/2013
TD Surface: @0930 8/5/2013
TD Intermediate: @1630 8/17/2013
Test BOP:
Landed Curve:
TD Lateral:

Days Since Spud: 19 Days
Rig released @: xxx

Days Rig Downtime: Hrs
Total Rig Downtime: 1
Projection @ bit 92' Above 22' Left of Plan
100%shale, @ 10,440'
Total mud lost to well-
Total OBM lost to well- 39

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/22/2013 06:00	8/22/2013 06:30	0.5	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rot Drill F/10,025' T/10,048' (23' @ 46 fph), 15k WOB, 30 RPM, TQ 5k, 120 SPM @ 505 GPM, 249 MRPM, 3850 SPP, 150 Diff
8/22/2013 06:30	8/22/2013 11:00	4.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide Drill F/10,048' T/10,131' (83' @ 18.5 fph), 15k WOB, 30 RPM, TQ 5k, 120 SPM @ 505 GPM, 249 MRPM, 3850 SPP, 350 Diff
8/22/2013 11:00	8/22/2013 11:30	0.5	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rot Drill F/10,131' T/10,142' (11' @ 22 fph), 15k WOB, 30 RPM, TQ 5k, 120 SPM @ 505 GPM, 249 MRPM, 3850 SPP, 250 Diff
8/22/2013 11:30	8/22/2013 12:30	1	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide Drill F/10,142' T/10,158' (16' @ 16 fph), 15k WOB, 120 SPM @ 505 GPM, 249 MRPM, 3850 SPP, 350 Diff, TF-170
8/22/2013 12:30	8/22/2013 13:00	0.5	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rot Drill F/10,158' T/10,173' (20' @ 40 fph), 15k WOB, 30 RPM, TQ 5k, 120 SPM @ 505 GPM, 249 MRPM, 3850 SPP, 250 Diff
8/22/2013 13:00	8/22/2013 13:30	0.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide Drill F/10,173' T/10,194' (21' @ 42 fph), 15k WOB, 120 SPM @ 505 GPM, 249 MRPM, 3850 SPP, 350 Diff, TF- 170.
8/22/2013 13:30	8/22/2013 14:00	0.5	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rot Drill F/10,194' T/10,205' (11' @ 22 fph), 15k WOB, 30 RPM, TQ 5k, 120 SPM @ 505 GPM, 249 MRPM, 3850 SPP, 250 Diff
8/22/2013 14:00	8/22/2013 14:30	0.5	PLAN	EQUIP	RIGSER	Rig Service.
8/22/2013 14:30	8/22/2013 15:30	1	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide Drill F/10,205' T/10,227' (22' @ 22 fph), 15k WOB, 120 SPM @ 505 GPM, 249 MRPM, 33638 SPP, 273 Diff, TF- 0.
8/22/2013 15:30	8/22/2013 16:00	0.5	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rot Drill F/10,227' T/10,236' (9' @ 18 fph), 15k WOB, 30 RPM, TQ 5k, 120 SPM @ 505 GPM, 249 MRPM, 3850 SPP, 250 Diff

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/22/2013 16:00	8/22/2013 16:30	0.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE- SLIDE	Slide Drill F/10,236' T/10,254' (18' @ 36 fph), 15k WOB, 120 SPM @ 505 GPM, 249 MRPM , 3577 SPP, 247 Diff, TF-0.
8/22/2013 16:30	8/22/2013 17:00	0.5	PROD-DRILL CURVE	DRILL CURVE- ROTATE	DRL CURVE- ROT	Rot Drill F/10,254' T/10,267' (13' @ 26 fph), 20 k WOB, 30 RPM,TQ 5k, 120 SPM @ 505 GPM, 249 MRPM , 3690 SPP, 250 Diff
8/22/2013 17:00	8/22/2013 18:00	1	PROD-DRILL CURVE	DRILL CURVE- ROTATE	DRL CURVE- ROT	Slide Drill F/10,267' T/10,274' (7' @ 7 fph), 20 k WOB, 120 SPM @ 505 GPM, 249 MRPM , 3500 SPP, 250 Diff, TF-0.
8/22/2013 18:00	8/22/2013 18:30	0.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE- SLIDE	Slide Drill F/10,274' T/10,285' (11' @ 22 fph), 20 k WOB, 120 SPM @ 505 GPM, 249 MRPM , 3500 SPP, 300 Diff, TF-20L.
8/22/2013 18:30	8/22/2013 19:00	0.5	PROD-DRILL CURVE	DRILL CURVE- ROTATE	DRL CURVE- ROT	Rot Drill F/10,285' T/10,299' (14' @ 28 fph), 20 k WOB, 30 RPM,TQ 4k, 120 SPM @ 505 GPM, 249 MRPM , 3550 SPP, 100 Diff
8/22/2013 19:00	8/22/2013 20:00	1	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE- SLIDE	Slide Drill F/10,299' T/10,315' (14' @ 14 fph), 20 k WOB, 120 SPM @ 505 GPM, 249 MRPM , 3500 SPP, 300 Diff, TF-20L.
8/22/2013 20:00	8/22/2013 20:30	0.5	PROD-DRILL CURVE	DRILL CURVE- ROTATE	DRL CURVE- ROT	Rot Drill F/10,315' T/10,330' (15' @ 30 fph), 20 k WOB, 30 RPM,TQ 4k, 120 SPM @ 505 GPM, 249 MRPM , 3550 SPP, 100 Diff
8/22/2013 20:30	8/23/2013 00:30	4	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE- SLIDE	Slide Drill F/10,330' T/10,374' (44' @ 11 fph), 20 k WOB, 120 SPM @ 505 GPM, 249 MRPM , 3500 SPP, 300 Diff, TF-20L.
8/23/2013 00:30	8/23/2013 01:00	0.5	INT-DRILL-VERT	DRILL INT VERT- ROTATE	DRL-ROT	Rot Drill F/10,374' T/10,379' (5' @ 10 fph), 20 k WOB, 30 RPM,TQ 4k, 120 SPM @ 505 GPM, 249 MRPM , 3550 SPP, 100 Diff
8/23/2013 01:00	8/23/2013 03:00	2	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE- SLIDE	Slide Drill F/10,379' T/10,408' (29' @ 14.5 fph), 20 k WOB, 120 SPM @ 505 GPM, 249 MRPM , 3500 SPP, 300 Diff, TF-20L.
8/23/2013 03:00	8/23/2013 03:30	0.5	PROD-DRILL CURVE	DRILL CURVE- ROTATE	DRL CURVE- ROT	Rot Drill F/10,408' T/10,425' (17' @ fph), 20 k WOB, 30 RPM,TQ 4k, 120 SPM @ 505 GPM, 249 MRPM , 3550 SPP, 100 Diff
8/23/2013 03:30	8/23/2013 05:00	1.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE- SLIDE	Slide Drill F/10,425' T/10,10445' (20' @ 13.3 fph), 20 k WOB, 120 SPM @ 505 GPM, 249 MRPM , 3500 SPP, 300 Diff, TF-20L.
8/23/2013 05:00	8/23/2013 05:30	0.5	INT-DRILL- CURVE	DRILL INT CURVE- ROTATE	DRL-ROT	Rot Drill F/10,445' T/10,462' (17' @ 17 fph), 20 k WOB, 30 RPM,TQ 4k, 120 SPM @ 505 GPM, 249 MRPM , 3550 SPP, 100 Diff
8/23/2013 05:30	8/23/2013 06:00	0.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE- SLIDE	Slide Drill F/10,456' T/10,10,462' (6' @ 12' fph), 20 k WOB, 120 SPM @ 505 GPM, 249 MRPM , 3500 SPP, 300 Diff, TF-20L.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 25 Daily Operation: 8/23/2013 06:00 - 8/24/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027310
Days From Spud (days) 20	Days on Location (days) 25	End Depth (ftKB) 10,708.0	End Depth (TVD) (ftKB) 10,620.6	Dens Last Mud (lb/gal) 11.50	Rig PATTERSON - UTI, 220	

Operations Summary

Drig curve F/10,462' T 10,708', Circulate to increase mud wt., Rig repair.

Remarks

Rig moved started: 7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC
8-3-13 @ 0730 am Operator 25 Linda
Surface csg and cmt
8-3-13 @ 0730 am Operator 25 Linda
Intermediate-
8-18-13 10:30 am Operator 5 Brenda
Production-
Job #
Spud Surface: @1000 8/4/2013
TD Surface: @0930 8/5/2013
TD Intermediate: @1630 8/17/2013
Test BOP:
Landed Curve:
TD Lateral:

Days Since Spud: 20 Days
Rig released @: xxx

Days Rig Downtime: 6.5Hrs
Total Rig Downtime: 7.5 Hrs.
Projection @ bit 66.5' Above 7' Left of Plan
80%shale, 20% Limestone @ 10,708'
Total mud lost to well-
Total OBM lost to well- 87

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/23/2013 06:00	8/23/2013 06:30	0.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide Drill F/10,462' T/10,478' (16' @ 32' fph), 20 k WOB, 105 SPM @ 440 GPM, 216 MRPM, 2850 SPP, 232 Diff, TF-20L.
8/23/2013 06:30	8/23/2013 07:00	0.5	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rot Drill F/10,478' T/10,488' (10' @ 20 fph), 25k WOB, 30 RPM, TQ 5k, 105 SPM @ 440 GPM, 216 MRPM, 2740 SPP, 420 Diff
8/23/2013 07:00	8/23/2013 08:30	1.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide Drill F/10,488' T/10,506' (18' @ 12' fph), 28 k WOB, 105 SPM @ 440 GPM, 216 MRPM, 2950 SPP, 430 Diff, TF-20L.
8/23/2013 08:30	8/23/2013 09:00	0.5	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rot Drill F/10,506' T/10,519' (13' @ 26 fph), 21k WOB, 30 RPM, TQ 5k, 105 SPM @ 440 GPM, 216 MRPM, 3150 SPP, 420 Diff
8/23/2013 09:00	8/23/2013 09:30	0.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide Drill F/10,519' T/10,536' (17' @ 34' fph), 11 k WOB, 105 SPM @ 440 GPM, 216 MRPM, 2950 SPP, 320 Diff, TF-20L.
8/23/2013 09:30	8/23/2013 10:30	1	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rot Drill F/10,536' T/10,551' (15' @ 15' fph), 20k WOB, 30 RPM, TQ 5k, 105 SPM @ 440 GPM, 216 MRPM, 3150 SPP, 420 Diff
8/23/2013 10:30	8/23/2013 11:30	1	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide Drill F/10,551' T/10,572' (21' @ 21' fph), 7 k WOB, 105 SPM @ 440 GPM, 216 MRPM, 2885 SPP, 320 Diff, TF-20L.
8/23/2013 11:30	8/23/2013 12:00	0.5	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rot Drill F/10,572' T/10,582' (10' @ 20' fph), 20k WOB, 30 RPM, TQ 6k, 105 SPM @ 440 GPM, 216 MRPM, 3150 SPP, 350 Diff
8/23/2013 12:00	8/23/2013 12:30	0.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide Drill F/10,582' T/10,600' (18' @ 36' fph), 14 k WOB, 105 SPM @ 440 GPM, 216 MRPM, 3039 SPP, 320 Diff, TF-20L.
8/23/2013 12:30	8/23/2013 13:00	0.5	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rot Drill F/10,600' T/10,613' (13' @ 26' fph), 20k WOB, 30 RPM, TQ 6k, 105 SPM @ 440 GPM, 216 MRPM, 3150 SPP, 410 Diff

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/23/2013 13:00	8/23/2013 15:00	2	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE- SLIDE	Slide Drill F/10,613' T/10,638' (25' @ 12.5' fph), 9 k WOB, 105 SPM @ 440 GPM, 216 MRPM , 2800 SPP, 210 Diff, TF-20L.
8/23/2013 15:00	8/23/2013 15:30	0.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE- SLIDE	Rotate Drill F/10,638' T/10,645' (7' @ 14' fph), 17k WOB, 30 RPM,TQ 6k, 105 SPM @ 440 GPM, 216 MRPM , 3150 SPP, 410 Diff
8/23/2013 15:30	8/23/2013 17:00	1.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE- SLIDE	Slide Drill F/10,645' T/10,668' (23' @ 15.3' fph), 22 k WOB, 105 SPM @ 440 GPM, 216 MRPM , 2950 SPP, 325 Diff, TF-20L.
8/23/2013 17:00	8/23/2013 18:00	1	PROD-DRILL CURVE	DRILL CURVE- ROTATE	DRL CURVE- ROT	Rot Drill F/10,668' T/10,676' (8' @ 8' fph), 19k WOB, 30 RPM,TQ 6k, 105 SPM @ 440 GPM, 216 MRPM , 3105 SPP, 375 Diff Rotated due to being unable to hold toolfaces,
8/23/2013 18:00	8/23/2013 23:00	5	INT-DRILL- CURVE	DRILL INT CURVE- SLIDE	DRL- SLIDE	Slide Drill F/10,676' T/10,708' (32' @ 6.4' fph), 15 k WOB, 120 SPM @ 505 GPM, 248 MRPM , 3515 SPP, 200 Diff, TF-20L.
8/23/2013 23:00	8/23/2013 23:30	0.5	PROD-CIRC	CIRCULATE	CIRC	Circulate to bring mud wt from 11.7 ppg to a 12.0 ppg.
8/23/2013 23:30	8/24/2013 06:00	6.5	UNPLAN	EQUIP	U_RIG	After racking a stand back in the derrick driller picked up on drill string & drawworks set off emergency stop, Troubleshoot drawworks with an electrician and found the coupler that connects traction motor to drum drive gears was bad, Attempted to pull up to shoewith Traction motor B & wait on mechanic, Was unable to do so because coupler on Motor A would grind. Wait on mechanic to arrive on location to replace coupler before able to proceed. Note: Rig manager contacted Patterson-UTI dispatch & requested an electrician & a mechanic to location, Dispatcher only sent out electrician.

Report #: 26 Daily Operation: 8/24/2013 06:00 - 8/25/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027310
Days From Spud (days) 21	Days on Location (days) 26	End Depth (ftKB) 10,770.0	End Depth (TVD) (ftKB) 10,663.4	Dens Last Mud (lb/gal) 12.00	Rig PATTERSON - UTI, 220	

Operations Summary

Rig repair, TIH, Drlg curve section F/10,708' T/10,770'.

Remarks

Rig moved started:7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC

8-3-13 @ 0730 am Operator 25 Linda

Surface csg and cmt

8-3-13 @ 0730 am Operator 25 Linda

Intermediate-

8-18-13 10:30 am Operator 5 Brenda

Production-

Job #

Spud Surface: @1000 8/4/2013

TD Surface: @0930 8/5/2013

TD Intermediate:@1630 8/17/2013

Test BOP:

Landed Curve:

TD Lateral:

Days Since Spud: 21 Days

Rig released @: xxx

Days Rig Downtime: 18Hrs

Total Rig Downtime: 25.5 Hrs.

Projection @ bit 52' Above 3' Left of Plan

95%shale,2% Limestone, 3% Sand @ 10,708'

Total mud lost to well-

Total OBM lost to well- 89

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/24/2013 06:00	8/24/2013 07:30	1.5	UNPLAN	EQUIP	U_RIG	Circ & Condition mud while waiting on mechanic to arrive to repair drawworks motor. Mechanic on location @ 6:30 and disengaged couple on motor to allow drawworks to be ran using only one motor.
8/24/2013 07:30	8/24/2013 09:00	1.5	UNPLAN	EQUIP	U_RIG	POOH F/ 10,708' to 9,973' drill string inside casing. Monitored well on trip tank.
8/24/2013 09:00	8/24/2013 18:00	9	UNPLAN	EQUIP	U_RIG	Hung off blocks to allow the work on drawworks to be preformed. Mechanic & Electrician began work to remove traction motor from drawworks.
8/24/2013 18:00	8/24/2013 21:30	3.5	UNPLAN	EQUIP	U_RIG	Change out traction motor on Drawworks.
8/24/2013 21:30	8/25/2013 00:00	2.5	UNPLAN	EQUIP	U_RIG	TIH F/9,973' T/10,708', Note: wash through tight spot @ 10,277'.
8/25/2013 00:00	8/25/2013 01:00	1	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide Drill F/10,708' T/10,717' (9' @ 9' fph), 20 k WOB, 120 SPM @ 505 GPM, 248 MRPM , 3670 SPP,300 Diff, TF-0.
8/25/2013 01:00	8/25/2013 01:30	0.5	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rot Drill F/10,717' T/10,719' (2' @ 4' fph), 20k WOB, 25 RPM,TQ 4k, 120 SPM @ 504 GPM, 247 MRPM , 3720 SPP, 300 Diff.
8/25/2013 01:30	8/25/2013 06:00	4.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide Drill F/10,719' T/10,770' (51' @ 11.3' fph), 20 k WOB, 120 SPM @ 505 GPM, 248 MRPM , 3670 SPP,300 Diff, TF-0.

Report #: 27 Daily Operation: 8/25/2013 06:00 - 8/26/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027310
Days From Spud (days) 22	Days on Location (days) 27	End Depth (ftKB) 10,927.0	End Depth (TVD) (ftKB) 10,744.9	Dens Last Mud (lb/gal) 12.00	Rig PATTERSON - UTI, 220	

Operations Summary

Slide drlg curve section F/ 10,770' T/ 10,797, Service rig, Slide drlg F/ 10,797' T/10,927', Circ, TOO, Change out bit motor & Mwd, Scribe & test same, TIH, Cut drlg line.

Remarks

Rig moved started:7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC

8-3-13 @ 0730 am Operator 25 Linda
Surface csg and cmt
8-3-13 @ 0730 am Operator 25 Linda
Intermediate-
8-18-13 10:30 am Operator 5 Brenda
Production-
Job #

Spud Surface: @1000 8/4/2013
TD Surface: @0930 8/5/2013
TD Intermediate:@1630 8/17/2013

Test BOP:

Landed Curve:
TD Lateral:

Days Since Spud: 22 Days
Rig released @: xxx

Days Rig Downtime: 0.0Hrs
Total Rig Downtime: 25.5 Hrs.
Projection @ bit 18.5' Above 10' right of Plan
80%shale,10% Limestone, 10% Sand @ 10,927'
Total mud lost to well-
Total OBM lost to well- 113

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/25/2013 06:00	8/25/2013 08:00	2	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide Drill F/10,770' T/10,797' (27' @ 13.5' fph), 20 k WOB, 120 SPM @ 505 GPM, 248 MRPM , 3670 SPP,300 Diff, TF-0.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/25/2013 08:00	8/25/2013 09:00	1	PLAN	EQUIP	RIGSER	Rig Service
8/25/2013 09:00	8/25/2013 18:00	9	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide Drill F/10,770' T/10,927' (157' @ 17.5' fph), 20 k WOB, 120 SPM @ 505 GPM, 248 MRPM, 3670 SPP, 300 Diff, TF-0. Build rates dropped off, Motor Yield fall from 13.87 to 8.38 degrees. Called Superintendent & Engineer and made plans to POOH to P/U new Assy.
8/25/2013 18:00	8/25/2013 19:00	1	PROD-CIRC	CIRCULATE	CIRC	Circulate bottoms up before coming out of the hole to change out BHA due to decreased build rates.
8/25/2013 19:00	8/26/2013 02:00	7	PROD-TRIP	TRIP	TRIP	TOOH F/10,927' T/1,585', Pull rotating head, TOOH F/1,585' T/94'.
8/26/2013 02:00	8/26/2013 03:30	1.5	PLAN	EQUIP	BHA	TOOH W/ BHA F/94' T/0', Change out bit motor & MWD.
8/26/2013 03:30	8/26/2013 05:00	1.5	PLAN	EQUIP	BHA	M/U new motor, scribe & test same, M/U bit, TIH F/0' T/94',
8/26/2013 05:00	8/26/2013 05:30	0.5	PROD-TRIP	TRIP	TRIP	TIH F/94 T/566'.
8/26/2013 05:30	8/26/2013 06:00	0.5	PLAN	DRLG	CUTDL	Hang blocks & slip & cut drlg line.

Report #: 28 Daily Operation: 8/26/2013 06:00 - 8/27/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027310	
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig		
23	28	11,022.0	10,768.8	12.00	PATTERSON - UTI, 220		

Operations Summary

Slip & cut drlg line, Service rig, TIH, Slide & Rot drlg curve section F/10,927' T/11,022'.

Remarks

Rig moved started: 7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC
8-3-13 @ 0730 am Operator 25 Linda
Surface csg and cmt
8-3-13 @ 0730 am Operator 25 Linda
Intermediate-
8-18-13 10:30 am Operator 5 Brenda
Production-
Job #
Spud Surface: @1000 8/4/2013
TD Surface: @0930 8/5/2013
TD Intermediate: @1630 8/17/2013
Test BOP:
Landed Curve:
TD Lateral:

Days Since Spud: 23 Days
Rig released @: xxx

Days Rig Downtime: 0.0Hrs
Total Rig Downtime: 25.5 Hrs.
Projection @ bit 7' Above 18' right of Plan
60% shale, 20% Limestone @ 11,010'
Total mud lost to well-
Total OBM lost to well- 202

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/26/2013 06:00	8/26/2013 08:00	2	PLAN	DRLG	CUTDL	Slip & cut 143' of drill line.
8/26/2013 08:00	8/26/2013 09:00	1	PLAN	EQUIP	RIGSER	Perform rig service
8/26/2013 09:00	8/26/2013 16:00	7	PROD-TRIP	TRIP	TRIP	TIH with drill pipe from 566' to 10,864' Filled pipe every 30 stds going in.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/26/2013 16:00	8/26/2013 18:00	2	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE- SLIDE	Slide Drill F/10,927' T/10,944' (17' @ 8.5' fph), 50 k WOB, 116 SPM @ 487 GPM, 142 MRPM , 3750 SPP,75-100 Diff, TF-0.
8/26/2013 18:00	8/27/2013 00:30	6.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE- SLIDE	Slide Drill F/10,944' T/10,985' (41' @ 6.3' fph), 50 k WOB, 116 SPM @ 487 GPM, 142 MRPM , 3834 SPP,60 Diff, TF-10L. Took check shot @ measured depth10,924', Check shot showed 100% of previous BHA. Check shot @ Survey tool MD 10,924': DLS of 12.62, INC of 66.7. Projection to bit @ 10,975': DLS of 11.76, INC of 72.70, Motor yield of 16.12. Contacted Drlg Engineer & Field Superintendent with results of check shot & was told to proceed forward to next survey point.
8/27/2013 00:30	8/27/2013 01:00	0.5	PROD-DRILL CURVE	DRILL CURVE- ROTATE	DRL CURVE- ROT	Rot Drill F/10,985' T/10,990' (5' @ 10' fph), 50k WOB, 30 RPM,TQ 12k, 116 SPM @ 488 GPM, 141 MRPM , 3879 SPP,50 Diff.
8/27/2013 01:00	8/27/2013 05:00	4	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE- SLIDE	Slide Drill F/10,990' T/11,015" (25' @ 6.25' fph), 50 k WOB, 116 SPM @ 487 GPM, 142 MRPM , 3834 SPP,150 Diff, TF-10L.
8/27/2013 05:00	8/27/2013 06:00	1	PROD-DRILL CURVE	DRILL CURVE- ROTATE	DRL CURVE- ROT	Rot Drill F/11,015' T/11,022' (7' @ 7' fph), 50k WOB, 30 RPM,TQ 12k, 116 SPM @ 488 GPM, 141 MRPM , 3879 SPP,50 Diff.

Report #: 29 Daily Operation: 8/27/2013 06:00 - 8/28/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027310
Days From Spud (days) 24	Days on Location (days) 29	End Depth (ftKB) 11,022.0	End Depth (TVD) (ftKB) 10,768.8	Dens Last Mud (lb/gal) 12.00	Rig PATTERSON - UTI, 220	

Operations Summary

Circ, TOOH, Change out bit & directional tools, Scribe & test same, Pull wear bushing, Test BOPE, Install new wear bushing, TIH.

Remarks

Rig moved started:7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC

8-3-13 @ 0730 am Operator 25 Linda
Surface csg and cmt

8-3-13 @ 0730 am Operator 25 Linda
Intermediate-

8-18-13 10:30 am Operator 5 Brenda
Production-

Job #

Spud Surface: @1000 8/4/2013

TD Surface: @0930 8/5/2013

TD Intermediate:@1630 8/17/2013

Test BOP:

Landed Curve:

TD Lateral:

Days Since Spud: 24 Days

Rig released @: xxx

Days Rig Downtime: 0.0Hrs

Total Rig Downtime: 25.5 Hrs.

Current Projection @ bit 4' Above 23' right of Plan

60%shale,20% Limestone @ 11,010'

Total mud lost to well-

Total OBM lost to well- 248

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/27/2013 06:00	8/27/2013 07:00	1	PROD-CIRC	CIRCULATE	CIRC	Circ bottoms up before POOH to change BHA form curve assy to lateral assy.
8/27/2013 07:00	8/27/2013 12:00	5	PROD-TRIP BHA	TRIP FOR BHA	TRIP BHA	POOH F/ 11022' to BHA
8/27/2013 12:00	8/27/2013 16:00	4	PROD-TRIP BHA	TRIP FOR BHA	TRIP BHA	Handling BHA layed down tri-cone bit, 2.38 mud motor and pulses tool. Picked up PDC bit, 1.75 mud motor and new pulses tool. Racked back BHA in derrick.
8/27/2013 16:00	8/27/2013 18:00	2	UNPLAN	OTHR	U_OTR	Attempting to pull wear bushing from well head, called out well head service tech and continued to pull wear bushing from well head. Tested all choke manifold valves during this time, All successful.
8/27/2013 18:00	8/28/2013 00:00	6	PLAN	EQUIP	BOPS	Test BOPS, Floor valves, Upper & lower pipe rams, 2" & 4" manual bop valves, HCR valve to 250 psi low & 2500 psi high, Tested annular to 250 low & 1500 high, Held all tests for 5 minutes, All tests held with exception of TIW valve, Rig manager is getting new one to replace it with. Notified superintendent of test results before proceeding in hole.
8/28/2013 00:00	8/28/2013 00:30	0.5	PLAN	EQUIP	BOPS	Install new wear bushing & tighten lock down pins.
8/28/2013 00:30	8/28/2013 01:00	0.5	PLAN	EQUIP	BHA	TIH W/ BHA F/0' T/94'.
8/28/2013 01:00	8/28/2013 06:00	5	PROD-TRIP	TRIP	TRIP	TIH F/94' T/7,570' filling every 30 stands.

Report #: 30 Daily Operation: 8/28/2013 06:00 - 8/29/2013 06:00

Job Category ORIG DRILLING				Primary Job Type ODR		AFE Number 027310
Days From Spud (days) 25	Days on Location (days) 30	End Depth (ftKB) 11,714.0	End Depth (TVD) (ftKB) 10,770.6	Dens Last Mud (lb/gal) 12.00	Rig PATTERSON - UTI, 220	

Operations Summary

TIH, Drlg curve & lateral section F/11,022' T/11,305', Service rig, Drlg lateral section F/11,305' T/11,714'

Remarks

Rig moved started: 7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC
8-3-13 @ 0730 am Operator 25 Linda
Surface csg and cmt
8-3-13 @ 0730 am Operator 25 Linda
Intermediate-
8-18-13 10:30 am Operator 5 Brenda
Production-
Job #
Spud Surface: @1000 8/4/2013
TD Surface: @0930 8/5/2013
TD Intermediate: @1630 8/17/2013
Test BOP: 8-28-2013
Landed Curve: @ 1600 on 8/28/2013
TD Lateral:

Days Since Spud: 25 Days
Rig released @: xxx

Days Rig Downtime: 0.0Hrs
Total Rig Downtime: 25.5 Hrs.
Landed Cuve @ MD-11,181', TVD-10,778', 2' low & 43' right.
Current Projection @ bit 5' Above 69' right of Plan

90%shale, 10% Limestone @ 11,590'
Total mud lost to well-
Total OBM lost to well- 278

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/28/2013 06:00	8/28/2013 08:00	2	PROD-TRIP BHA	TRIP FOR BHA	TRIP BHA	TIH F/ 8500' to 11022' fill pipe every 30 stds. Washed down last 60' no fill.
8/28/2013 08:00	8/28/2013 09:00	1	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rot Drill F/11,022' T/11,055' (33' @ 33' fph), 20k WOB, 30 RPM,TQ 12k, 116 SPM @ 488 GPM, 239 MRPM , 3879 SPP,250 Diff.
8/28/2013 09:00	8/28/2013 13:00	4	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide Drill F/11,055' T/11,116' (61' @ 15.25' fph), 25k WOB, 0 RPM,TQ 12k, 116 SPM @ 488 GPM, 239 MRPM , 3879 SPP,250 Diff.
8/28/2013 13:00	8/28/2013 14:00	1	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rot Drill F/11,116' T/11,145' (29' @ 29' fph), 20k WOB, 30 RPM,TQ 12k, 116 SPM @ 488 GPM, 239 MRPM , 3879 SPP,250 Diff.
8/28/2013 14:00	8/28/2013 15:30	1.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide Drill F/11,145' T/11,164' (19' @ 12.5' fph), 25k WOB, 0 RPM,TQ 12k, 116 SPM @ 488 GPM, 239 MRPM , 3879 SPP,250 Diff.
8/28/2013 15:30	8/28/2013 18:00	2.5	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Slide Drill F/11,164' T/11,244' (80' @ 32' fph), 20k WOB, 30 RPM,TQ 12k, 116 SPM @ 488 GPM, 239 MRPM , 3879 SPP,250 Diff. Landed curve @: MD 11,181',TVD- 10,778', Landed 2' low & 43' right of plan.
8/28/2013 18:00	8/28/2013 18:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/11,244' T/11,259' (15' @ 30fph), WOB-7k, 105 SPM@ 439 GPM, MRPM-218, SPP-2885, Diff-150, TF-90L
8/28/2013 18:30	8/28/2013 19:30	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/11,259' T/11,305' (46' @ 46fph), WOB-20k, RPM-50, TQ-6k, 105 SPM@ 439 GPM, MRPM-218, SPP-3185, Diff-400
8/28/2013 19:30	8/28/2013 20:30	1	PLAN	EQUIP	RIGSER	RIG SERVICE
8/28/2013 20:30	8/28/2013 21:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/11,305' T/11,336' (31' @ 62fph), WOB-20k, RPM-50, TQ-6k, 105 SPM@ 439 GPM, MRPM-218, SPP-3250, Diff-400
8/28/2013 21:00	8/28/2013 22:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/11,336' T/11,351' (15' @ 15fph), WOB-7k, 116 SPM@ 485 GPM, MRPM-241, SPP-3500, Diff-100, TF-110L
8/28/2013 22:00	8/28/2013 23:00	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/11,351' T/11,431' (80' @ 80fph), WOB-20k, RPM-75, TQ-6k, 116 SPM@ 485 GPM, MRPM-241, SPP-3550, Diff-400
8/28/2013 23:00	8/29/2013 00:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/11,431' T/11,451' (20' @ 20fph), WOB-8k, 105 SPM@ 439 GPM, MRPM-218, SPP-3050, Diff-125, TF-125L
8/29/2013 00:00	8/29/2013 01:30	1.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/11,451' T/11,525' (74' @ 49fph), WOB-20k, RPM-75, TQ-8k, 116 SPM@ 485 GPM, MRPM-241, SPP-3800, Diff-400
8/29/2013 01:30	8/29/2013 02:30	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/11,525' T/11,540' (15' @ 15fph), WOB-10k, 116 SPM@ 485 GPM, MRPM-241, SPP-3580, Diff-170, TF-100L.
8/29/2013 02:30	8/29/2013 03:30	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/11,540' T/11,619' (79' @ 79fph), WOB-20k, RPM-75, TQ-8k, 116 SPM@ 485 GPM, MRPM-241, SPP-3800, Diff-400
8/29/2013 03:30	8/29/2013 04:30	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/11,619' T/11,635' (16' @ 16fph), WOB-8k, 116 SPM@ 485 GPM, MRPM-241, SPP-3620, Diff-250, TF-135L
8/29/2013 04:30	8/29/2013 06:00	1.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/11,635' T/11,714' (79' @ 52fph), WOB-20k, RPM-75, TQ-8k, 116 SPM@ 485 GPM, MRPM-241, SPP-3800, Diff-400

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 31 Daily Operation: 8/29/2013 06:00 - 8/30/2013 06:00

Job Category ORIG DRILLING				Primary Job Type ODR		AFE Number 027310
Days From Spud (days) 26	Days on Location (days) 31	End Depth (ftKB) 12,687.0	End Depth (TVD) (ftKB) 10,764.2	Dens Last Mud (lb/gal) 12.00	Rig PATTERSON - UTI, 220	

Operations Summary

Rot and slide drill lateral section f/ 11,714' t/12,687'

Remarks

Rig moved started: 7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC
8-3-13 @ 0730 am Operator 25 Linda
Surface csg and cmt
8-3-13 @ 0730 am Operator 25 Linda
Intermediate-
8-18-13 10:30 am Operator 5 Brenda
Production-
Job #
Spud Surface: @1000 8/4/2013
TD Surface: @0930 8/5/2013
TD Intermediate: @1630 8/17/2013
Test BOP: 8-28-2013
Landed Curve: @ 1600 on 8/28/2013
TD Lateral:

Days Since Spud: 26 Days
Rig released @: xxx

Days Rig Downtime: 0.0Hrs
Total Rig Downtime: 25.5 Hrs.
Landed Cuve @ MD-11,181', TVD-10,778', 2' low & 43' right.
Current Projection @ bit 10' Above 26' Left of Plan

70%shale,30% Limestone @ 12,590"
Total mud lost to well-
Total OBM lost to well- 278

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/29/2013 06:00	8/29/2013 14:00	8	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rot Drill F/11,714' T/12,182' (468'@ 58.5fph), WOB-25k, RPM-70 - 75, TQ-8k, 112 SPM@ 468 GPM, MRPM-230, SPP-3800, Diff-500
8/29/2013 14:00	8/29/2013 15:00	1	PROD-DRILL LATERAL	DRILL LATERAL- SLIDE	DRL LAT- SLIDE	Slide Drill F/12,182' T/12,200' (18'@ 18 fph), WOB-8k, 116 SPM@ 485 GPM, MRPM-241, SPP-3620, Diff-250, TF-90R
8/29/2013 15:00	8/29/2013 18:30	3.5	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rot Drill F/12,200' T/12,373' (173'@ 47.3 fph), WOB-25k, RPM-70 - 75, TQ-8k, 112 SPM@ 468 GPM, MRPM-230, SPP-3800, Diff-500
8/29/2013 18:30	8/29/2013 19:30	1	PROD-DRILL LATERAL	DRILL LATERAL- SLIDE	DRL LAT- SLIDE	Slide Drill F/12,373' T/12,393' (20'@ 20 fph), WOB-8k, 116 SPM@ 485 GPM, MRPM-241, SPP-3620, Diff-250, TF-135R
8/29/2013 19:30	8/29/2013 21:30	2	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rot Drill F/12,393' T/12,467' (74'@ 35 fph), WOB-25k, RPM-70 - 75, TQ-8k, 112 SPM@ 468 GPM, MRPM-230, SPP-3800, Diff-500
8/29/2013 21:30	8/29/2013 23:30	2	PROD-DRILL LATERAL	DRILL LATERAL- SLIDE	DRL LAT- SLIDE	Slide Drill F/12,467' T/12,487' (20'@ 10 fph), WOB-8k, 116 SPM@ 485 GPM, MRPM-241, SPP-3620, Diff-250, TF-135R
8/29/2013 23:30	8/30/2013 02:00	2.5	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rot Drill F/12,487' T/12,562' (75'@ 30 fph), WOB-25k, RPM-70 - 75, TQ-8k, 112 SPM@ 468 GPM, MRPM-230, SPP-3800, Diff-500
8/30/2013 02:00	8/30/2013 03:00	1	PROD-DRILL LATERAL	DRILL LATERAL- SLIDE	DRL LAT- SLIDE	Slide Drill F/12,562' T/12,12572' (20'@ 20 fph), WOB-8k, 116 SPM@ 485 GPM, MRPM-241, SPP-3620, Diff-250, TF-135R
8/30/2013 03:00	8/30/2013 06:00	3	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rot Drill F/12,572' T/12,687' (115'@ 38 fph), WOB-25k, RPM-70 - 75, TQ-8k, 112 SPM@ 468 GPM, MRPM-230, SPP-3800, Diff-500

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 32 Daily Operation: 8/30/2013 06:00 - 8/31/2013 06:00

Job Category ORIG DRILLING				Primary Job Type ODR		AFE Number 027310
Days From Spud (days) 27	Days on Location (days) 32	End Depth (ftKB) 13,539.0	End Depth (TVD) (ftKB) 10,755.7	Dens Last Mud (lb/gal) 12.00	Rig PATTERSON - UTI, 220	

Operations Summary

Rot and slide drill lateral section f/ 12,687' t/ 13,539', Trouble Shooting MWD

Remarks

Rig moved started: 7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC
8-3-13 @ 0730 am Operator 25 Linda
Surface csg and cmt
8-3-13 @ 0730 am Operator 25 Linda
Intermediate-
8-18-13 10:30 am Operator 5 Brenda
Production-
Job #
Spud Surface: @1000 8/4/2013
TD Surface: @0930 8/5/2013
TD Intermediate: @1630 8/17/2013
Test BOP: 8-28-2013
Landed Curve: @ 1600 on 8/28/2013
TD Lateral:

Days Since Spud: 27 Days
Rig released @: xxx

Days Rig Downtime: 0.0Hrs
Total Rig Downtime: 25.5 Hrs.
Landed Cuve @ MD-11,181', TVD-10,778', 2' low & 43' right.
Current Projection @ bit 16' Above 26' Left of Plan

80%shale,20% Limestone @ 13,510"
Total mud lost to well-
Total OBM lost to well- 278

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/30/2013 06:00	8/30/2013 09:00	3	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rot Drill F/12,687' T/12,841,' (154'@ 51.3 fph), WOB-25k, RPM-70 - 75, TQ-8k, 112 SPM@ 468 GPM, MRPM-230, SPP-3800, Diff-500
8/30/2013 09:00	8/30/2013 10:00	1	PLAN	EQUIP	RIGSER	Rig serv., grease crown
8/30/2013 10:00	8/30/2013 10:30	0.5	UNPLAN	OTHR	U_OTR	Drill pipe screen got jammed is jnt of DP in mouse hole, c/o jnt of DP
8/30/2013 10:30	8/30/2013 11:30	1	PROD-DRILL LATERAL	DRILL LATERAL- SLIDE	DRL LAT- SLIDE	Slide Drill F/12,841' T/12,861' (20'@ 20 fph), WOB-8k, 116 SPM@ 485 GPM, MRPM-241, SPP-3620, Diff-250, TF-160R
8/30/2013 11:30	8/30/2013 14:30	3	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rot Drill F/12,861' T/13,029,' (168'@ 56 fph), WOB-25k, RPM-70 - 75, TQ-8k, 112 SPM@ 468 GPM, MRPM-230, SPP-3800, Diff-500
8/30/2013 14:30	8/30/2013 16:00	1.5	PROD-DRILL LATERAL	DRILL LATERAL- SLIDE	DRL LAT- SLIDE	Slide Drill F/13,029' T/13,050' (21'@ 14 fph), WOB-8k, 116 SPM@ 485 GPM, MRPM-241, SPP-3620, Diff-250, TF-14R
8/30/2013 16:00	8/30/2013 17:00	1	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rot Drill F/13,050' T/13,119,' (69'@ 69 fph), WOB-25k, RPM-70 - 75, TQ-8k, 112 SPM@ 468 GPM, MRPM-230, SPP-3800, Diff-500
8/30/2013 17:00	8/30/2013 18:00	1	PROD-DRILL LATERAL	DRILL LATERAL- SLIDE	DRL LAT- SLIDE	Slide Drill F/13,119' T/13,148' (29'@ 29 fph), WOB-8k, 116 SPM@ 485 GPM, MRPM-241, SPP-3620, Diff-250, TF-170R
8/30/2013 18:00	8/30/2013 19:00	1	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rot Drill F/13,148' T/13,222,' (74'@ 74 fph), WOB-25k, RPM-70 - 75, TQ-8k, 112 SPM@ 468 GPM, MRPM-230, SPP-3800, Diff-500
8/30/2013 19:00	8/30/2013 20:00	1	PROD-DRILL LATERAL	DRILL LATERAL- SLIDE	DRL LAT- SLIDE	Slide Drill F/13,222' T/13,239' (29'@ 29 fph), WOB-8k, 116 SPM@ 485 GPM, MRPM-241, SPP-3620, Diff-250, TF-180R
8/30/2013 20:00	8/30/2013 23:00	3	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rot Drill F/13,239' T/13,410,' (171'@ 57 fph), WOB-25k, RPM-70 - 75, TQ-8k, 112 SPM@ 468 GPM, MRPM-230, SPP-3800, Diff-500

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/30/2013 23:00	8/30/2013 23:45	0.75	PROD-CIRC	CIRCULATE	CIRC	Circulate and condition Hole, Back reamed stand and could not get back to bottom, after circ was able to wash back to bottom with no problems and resume drilling.
8/30/2013 23:45	8/31/2013 01:30	1.75	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/13,410' T/13,437' (27'@ 15 fph), WOB-8k, 116 SPM@ 485 GPM, MRPM-241, SPP-3620, Diff-250, TF-150L
8/31/2013 01:30	8/31/2013 03:30	2	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/13,437' T/13,536' (99'@ 50 fph), WOB-25k, RPM-70 - 75, TQ-8k, 112 SPM@ 468 GPM, MRPM-230, SPP-3800, Diff -500
8/31/2013 03:30	8/31/2013 04:30	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/13,536' T/13,539' (3'@ 3 fph), WOB-8k, 116 SPM@ 485 GPM, MRPM-241, SPP-3620, Diff-250, TF-140L. Having trouble getting TF from MWD.
8/31/2013 04:30	8/31/2013 06:00	1.5	PROD-CIRC	CIRCULATE	CIRC	Trouble shooting MWD

Report #: 33 Daily Operation: 8/31/2013 06:00 - 9/1/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027310	
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig		
28	33	14,134.0	10,779.2	12.20	PATTERSON - UTI, 220		

Operations Summary

Trouble shoot MWD, Rot and slide lateral section f/ 13,539' t/ 14,134' Various electrical faults with MP#1 ground fault, Blower motor A & B winding and Bearing overheating. Currently on bottom Rotate/Slide Drlg @14,134"

Remarks

Rig moved started:7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC

8-3-13 @ 0730 am Operator 25 Linda

Surface csg and cmt

8-3-13 @ 0730 am Operator 25 Linda

Intermediate-

8-18-13 10:30 am Operator 5 Brenda

Production-

Job #

Spud Surface: @1000 8/4/2013

TD Surface: @0930 8/5/2013

TD Intermediate:@1630 8/17/2013

Test BOP: 8-28-2013

Landed Curve: @ 1600 on 8/28/2013

TD Lateral:

Days Since Spud: 28 Days

Rig released @: xxx

Days Rig Downtime: 3.25Hrs

Total Rig Downtime: 28.75 Hrs.

Landed Cuve @ MD-11,181', TVD-10,778', 2' low & 43' right.

Current Projection @ bit 1' Below 33' Right of Plan

70%shale,30% Limestone @ 14,080"

Total mud lost to well-

Total OBM lost to well- 278

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/31/2013 06:00	8/31/2013 06:30	0.5	UNPLAN	EQUIP	U_DIR	Trouble shoot MWD, pump diesel down DP, tool started back up
8/31/2013 06:30	8/31/2013 07:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/13,539' T/13,556' (17'@ 24 fph), WOB-8k, 116 SPM@ 485 GPM, MRPM-241, SPP-3620, Diff-250, TF-130L (Raise MW to 12.2 ppg due to larger cutting size)
8/31/2013 07:00	8/31/2013 08:30	1.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/13,556' T/13,596' (40'@ 26.6 fph), WOB-25k, RPM-70 - 75, TQ-8k, 112 SPM@ 468 GPM, MRPM-230, SPP-3800, Diff-500
8/31/2013 08:30	8/31/2013 10:00	1.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/13,596' T/13,614' (17'@ 11.3 fph), WOB 20k, 110 SPM@ 460 GPM, MRPM-225, SPP-3620, Diff-250, TF-120L

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/31/2013 10:00	8/31/2013 11:30	1.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/13,614' T/13,691,' (77'@ 51.3 fph), WOB-25k, RPM-75 - 85, TQ-10k, 110 SPM@ 460 GPM, MRPM-225, SPP-3800, Diff-450
8/31/2013 11:30	8/31/2013 12:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/13,691' T/13,698' (7'@ 14 fph), WOB 20k, 110 SPM@ 460 GPM, MRPM-225, SPP-3620, Diff-250, TF-130L
8/31/2013 12:00	8/31/2013 12:30	0.5	PLAN	EQUIP	RIGSER	Rig service
8/31/2013 12:30	8/31/2013 17:00	4.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/13,698' T/13,880,' (182'@ 40.4 fph), WOB-25k, RPM-75 - 85, TQ-10k, 110 SPM@ 460 GPM, MRPM-225, SPP-3800, Diff-450
8/31/2013 17:00	8/31/2013 18:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/13,880' T/13,895' (7'@ 14 fph), WOB 20k, 110 SPM@ 460 GPM, MRPM-225, SPP-3620, Diff-250, TF-130L
8/31/2013 18:00	8/31/2013 18:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/13,895' T/13,945,' (50'@ 100 fph), WOB-25k, RPM-75 - 85, TQ-10k, 110 SPM@ 460 GPM, MRPM-225, SPP-3800, Diff-450
8/31/2013 18:30	8/31/2013 19:00	0.5	UNPLAN	OTHR	U_OTR	Trouble shooting MP#1, Showing Ground fault in VFD house
8/31/2013 19:00	8/31/2013 20:45	1.75	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/13,945' T/13,965' (20'@ 12 fph), WOB 20k, 110 SPM@ 460 GPM, MRPM-225, SPP-3620, Diff-250, TF-120L
8/31/2013 20:45	8/31/2013 22:30	1.75	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/13,965' T/14,017,' (52'@ 41.6 fph), WOB-25k, RPM-75 - 85, TQ-10k, 110 SPM@ 460 GPM, MRPM-225, SPP-3800, Diff-450
8/31/2013 22:30	9/1/2013 00:15	1.75	UNPLAN	OTHR	U_OTR	Trouble shooting MP#1, Showing A & B blower fault and bearing overheating
9/1/2013 00:15	9/1/2013 01:45	1.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/14,017' T/14,070,' (53'@ 35.3 fph), WOB-25k, RPM-75 - 85, TQ-10k, 110 SPM@ 460 GPM, MRPM-225, SPP-3800, Diff-450
9/1/2013 01:45	9/1/2013 04:00	2.25	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/14,070' T/14,088' (18'@ 11.4 fph), WOB 20k, 110 SPM@ 464 GPM, MRPM-225, SPP-3620, Diff-250, TF-90L
9/1/2013 04:00	9/1/2013 05:00	1	UNPLAN	OTHR	U_OTR	Trouble shooting MP#1, Showing A & B blower winding fault
9/1/2013 05:00	9/1/2013 06:00	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/14,088' T/14,134,' (46'@ 46 fph), WOB-25k, RPM-75 - 85, TQ-10k, 110 SPM@ 460 GPM, MRPM-225, SPP-3800, Diff-450

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 34 Daily Operation: 9/1/2013 06:00 - 9/2/2013 06:00

Job Category ORIG DRILLING				Primary Job Type ODR		AFE Number 027310
Days From Spud (days) 29	Days on Location (days) 34	End Depth (ftKB) 14,930.0	End Depth (TVD) (ftKB) 10,802.8	Dens Last Mud (lb/gal) 12.20	Rig PATTERSON - UTI, 220	

Operations Summary

Rot and slide drill lateral section f/ 14,134' t/14,930' Trouble shoot MWD, MWD complete failure.

Remarks

Rig moved started: 7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC
8-3-13 @ 0730 am Operator 25 Linda
Surface csg and cmt
8-3-13 @ 0730 am Operator 25 Linda
Intermediate-
8-18-13 10:30 am Operator 5 Brenda
Production-
Job #
Spud Surface: @1000 8/4/2013
TD Surface: @0930 8/5/2013
TD Intermediate: @1630 8/17/2013
Test BOP: 8-28-2013
Landed Curve: @ 1600 on 8/28/2013
TD Lateral:

Days Since Spud: 29 Days
Rig released @: xxx

Days Rig Downtime: 0Hrs
Total Rig Downtime: 28.75 Hrs.
Landed Cuve @ MD-11,181', TVD-10,778', 2' low & 43' right.
Current Projection @ bit 5' Below 4' Right of Plan

100%shale, @ 14,920"
Total mud lost to well-
Total OBM lost to well- 278

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/1/2013 06:00	9/1/2013 10:00	4	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/14,134' T/14,358,' (224'@ 56 fph), WOB-25k, RPM-75 - 85, TQ-10k, 110 SPM@ 460 GPM, MRPM-225, SPP-3800, Diff-450
9/1/2013 10:00	9/1/2013 11:00	1	PLAN	EQUIP	RIGSER	Rig serv.
9/1/2013 11:00	9/1/2013 12:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/14,358' T/14,366' (8'@ 8 fph), WOB 20k, 110 SPM@ 464 GPM, MRPM-225, SPP-3620, Diff-250, TF-30L
9/1/2013 12:00	9/1/2013 13:30	1.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/14,366' T/14,448,' (82'@ 54.6 fph), WOB-25k, RPM-75 - 85, TQ-10k, 110 SPM@ 460 GPM, MRPM-225, SPP-3800, Diff-450
9/1/2013 13:30	9/1/2013 15:00	1.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/14,448' T/14,466' (18'@ 12 fph), WOB 20k, 110 SPM@ 464 GPM, MRPM-225, SPP-3620, Diff-250, TF-30L
9/1/2013 15:00	9/2/2013 03:00	12	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/14,466' T/14,,919' (453'@38 fph), WOB-25k, RPM-75 - 85, TQ-10k, 108 SPM@ 454 GPM, MRPM-223, SPP-3800, Diff-450
9/2/2013 03:00	9/2/2013 05:30	2.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/14,919' T/14,930' (11'@ 8 fph), WOB 20k, 110 SPM@ 464 GPM, MRPM-225, SPP-3620, Diff-250, TF-20L
9/2/2013 05:30	9/2/2013 06:00	0.5	UNPLANNED	MWD/LWD Tool Failures including trip times (if mai	U_MWD	Trouble shoot MWD, MWD complete Failure

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 35 Daily Operation: 9/2/2013 06:00 - 9/3/2013 06:00

Job Category ORIG DRILLING				Primary Job Type ODR		AFE Number 027310
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
30	35	14,930.0	10,802.8	12.20	PATTERSON - UTI, 220	

Operations Summary

MWD tool not pulsing, Pump weighted sweeps and CBU X 3, pump slug, TOO H f/ 14,930' t/ surf. (tight spots @ 14649' & 14582') C/O dir. tools, TIH T/2,470', TOO H to retrieve pipe screen, TIH F/94' T4,927'

Remarks

Rig moved started:7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC
8-3-13 @ 0730 am Operator 25 Linda
Surface csg and cmt
8-3-13 @ 0730 am Operator 25 Linda
Intermediate-
8-18-13 10:30 am Operator 5 Brenda
Production-
Job #
Spud Surface: @1000 8/4/2013
TD Surface: @0930 8/5/2013
TD Intermediate:@1630 8/17/2013
Test BOP: 8-28-2013
Landed Curve: @ 1600 on 8/28/2013
TD Lateral:

Days Since Spud: 30 Days
Rig released @: xxx

Days Rig Downtime: 1.25Hrs
Total Rig Downtime: 30 Hrs.
Landed Cuve @ MD-11,181', TVD-10,778', 2' low & 43' right.
Current Projection @ bit 5' Below 4' Right of Plan

100%shale, @ 14,930"
Total mud lost to well-
Total OBM lost to well- 278

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/2/2013 06:00	9/2/2013 11:00	5	UNPLANNED	MWD/LWD Tool Failures including trip times (if mai	U_MWD	MWD tool not pulsing, pump weighted sweeps and CBU x 3 for trip
9/2/2013 11:00	9/2/2013 20:00	9	PROD-TRIP	TRIP	TRIP	TOOH f/ 14930' t/ 94'. (tight spots @ 14,649 & 14,582) hole taking proper fill
9/2/2013 20:00	9/2/2013 21:30	1.5	PLAN	EQUIP	BHA	TOOH W/ BHA F/94' T/0, Drain motor, Break bit & Laydown MWD & MM.
9/2/2013 21:30	9/3/2013 01:00	3.5	PLAN	EQUIP	BHA	M/U dir. tools, scribe same, surf test, M/U bit
9/3/2013 01:00	9/3/2013 02:45	1.75	PROD-TRIP	TRIP	TRIP	TIH F/94' T/ 2,470', Filling up every 30 stands.
9/3/2013 02:45	9/3/2013 04:00	1.25	UNPLANNED	Rig-related problems (BOPE, etc)	U_RIG	TOOH f/ 2,470' t/ 94'. To retrieve pipe screen from top of flex collar
9/3/2013 04:00	9/3/2013 06:00	2	PROD-TRIP	TRIP	TRIP	TIH F/94' T/ 4,927', Filling up every 30 stands.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 36 Daily Operation: 9/3/2013 06:00 - 9/4/2013 06:00

Job Category ORIG DRILLING				Primary Job Type ODR		AFE Number 027310
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
31	36	15,212.0	10,797.6	12.50	PATTERSON - UTI, 220	

Operations Summary

TIH f/ 4,927' t/ 13,191', CBU, TIH t/ 14,171', wash and ream f/ 14,171' t/ 14,930, CBU, Rot and slide f/ 14,930 t/ 15,212'

Remarks

Rig moved started: 7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC
8-3-13 @ 0730 am Operator 25 Linda
Surface csg and cmt
8-3-13 @ 0730 am Operator 25 Linda
Intermediate-
8-18-13 10:30 am Operator 5 Brenda
Production-
Job #
Spud Surface: @1000 8/4/2013
TD Surface: @0930 8/5/2013
TD Intermediate: @1630 8/17/2013
Test BOP: 8-28-2013
Landed Curve: @ 1600 on 8/28/2013
TD Lateral:

Days Since Spud: 31 Days
Rig released @: xxx

Days Rig Downtime: 0Hrs
Total Rig Downtime: 30 Hrs.
Landed Cuve @ MD-11,181', TVD-10,778', 2' low & 43' right.
Current Projection @ bit 11' Below 10' Right of Plan

100%shale, @ 15,140
Total mud lost to well-
Total OBM lost to well- 278

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/3/2013 06:00	9/3/2013 11:00	5	PROD-TRIP	TRIP	TRIP	TIH f/ 4,297' t/ 13,190' (hit tight spot work through same)
9/3/2013 11:00	9/3/2013 13:00	2	UNPLANNED	Tight Hole / Swabbing / Circulating in relation to	U_TH	CBU to clean hole
9/3/2013 13:00	9/3/2013 14:00	1	PROD-TRIP	TRIP	TRIP	TIH f/ 13,190' t/ 14,171' (hit tight spot work through same)
9/3/2013 14:00	9/3/2013 18:30	4.5	UNPLANNED	Tight Hole / Swabbing / Circulating in relation to	U_TH	Wash and ream f/14,171' t/ 14,930'
9/3/2013 18:30	9/3/2013 20:00	1.5	PLAN	EQUIP	RIGSER	Rig Service
9/3/2013 20:00	9/3/2013 22:30	2.5	UNPLANNED	Other - Anything not listed above	U_OTR	CBU X2
9/3/2013 22:30	9/3/2013 23:30	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/14,930' T/14,941' (11'@ 11 fph), WOB 20k, 110 SPM@ 464 GPM, MRPM-225, SPP-3620, Diff-250, TF-20L
9/3/2013 23:30	9/4/2013 01:30	2	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/14,941' T/15,013' (72'@38 fph), WOB-25k, RPM-75 - 85, TQ-10k, 108 SPM@ 454 GPM, MRPM-223, SPP-3800, Diff-450
9/4/2013 01:30	9/4/2013 03:00	1.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/15,013' T/15,041' (28'@ 28 fph), WOB 20k, 110 SPM@ 464 GPM, MRPM-225, SPP-3620, Diff-250, TF-20L
9/4/2013 03:00	9/4/2013 05:00	2	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/15,043' T/15,212' (169'@ 84.5 fph), WOB-25k, RPM-75 - 85, TQ-10k, 108 SPM@ 454 GPM, MRPM-223, SPP-3800, Diff-450

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/4/2013 05:00	9/4/2013 06:00	1	UNPLANNED	Tight Hole / Swabbing / Circulating in relation to	U_TH	Pumped sweep @ connection, hole started packing off when sweep hit bit, p/u and CBU to clean hole.

Report #: 37 Daily Operation: 9/4/2013 06:00 - 9/5/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027310
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
	32	37	15,497.0	10,785.9	12.30	PATTERSON - UTI, 220

Operations Summary

CBU to clean hole, raise MW f/ 12.2 to 12.4 ppg, Rot and slide f/ 15,212' t/15,497', Attempt to circulate the hole clean @ 15,497', rack back one stand, CBU x2, TOOH wash and reaming F/15,497' T/13,650'

Remarks

Rig moved started: 7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC
8-3-13 @ 0730 am Operator 25 Linda
Surface csg and cmt
8-3-13 @ 0730 am Operator 25 Linda
Intermediate-
8-18-13 10:30 am Operator 5 Brenda
Production-
Job #
Spud Surface: @1000 8/4/2013
TD Surface: @0930 8/5/2013
TD Intermediate:@1630 8/17/2013
Test BOP: 8-28-2013
Landed Curve: @ 1600 on 8/28/2013
TD Lateral:

Days Since Spud: 32 Days
Rig released @: xxx

Days Rig Downtime: 0Hrs
Total Rig Downtime: 30 Hrs.
Landed Cuve @ MD-11,181', TVD-10,778', 2' low & 43' right.
Current Projection @ bit on the line 4' Right of Plan

70%shale 30%, @ 15,497
Total mud lost to well-
Total OBM lost to well- 278

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/4/2013 06:00	9/4/2013 08:00	2	UNPLANNED	Tight Hole / Swabbing / Circulating in relation to	U_TH	CBU raise MW from 12.2 ppg to 12.4 ppg due to change in cuttings size
9/4/2013 08:00	9/4/2013 10:00	2	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/15,212' T/15,296' (84'@ 42 fph), WOB-25k, RPM-75 - 85, TQ-10k, 106 SPM@ 452 GPM, MRPM-221, SPP-3800, Diff-450
9/4/2013 10:00	9/4/2013 11:30	1.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/15,296' T/15,306' (10'@ 6.6 fph), WOB 20k, 110 SPM@ 464 GPM, MRPM-225, SPP-3620, Diff-250, TF-170R
9/4/2013 11:30	9/4/2013 13:00	1.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/15,306' T/15,391' (85'@ 56.6 fph), WOB-25k, RPM-75 - 85, TQ-10k, 106 SPM@ 452 GPM, MRPM-221, SPP-3800, Diff-450
9/4/2013 13:00	9/4/2013 13:30	0.5	PLAN	EQUIP	RIGSER	Rig Serv.
9/4/2013 13:30	9/4/2013 15:30	2	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/15,391' T/15,406' (15'@ 7.5 fph), WOB 20k, 110 SPM@ 464 GPM, MRPM-225, SPP-3620, Diff-250, TF-170R
9/4/2013 15:30	9/4/2013 18:00	2.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/15,406' T/15,485' (79'@ 32 fph), WOB-25k, RPM-75 - 85, TQ-10k, 106 SPM@ 452 GPM, MRPM-221, SPP-3800, Diff-450
9/4/2013 18:00	9/4/2013 19:30	1.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/15,485' T/15,492' (7'@ 5 fph), WOB 20k, 110 SPM@ 464 GPM, MRPM-225, SPP-3620, Diff-250, TF-180

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/4/2013 19:30	9/4/2013 20:30	1	PROD-CIRC	CIRCULATE	CIRC	CBU x1 attempt to clean up hole
9/4/2013 20:30	9/4/2013 21:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/15,492' T/15,497' (5'@ 25 fph), WOB-25k, RPM-75 - 85, TQ-10k, 106 SPM@ 452 GPM, MRPM-221, SPP-3800, Diff -450
9/4/2013 21:00	9/5/2013 00:00	3	PROD-CIRC	CIRCULATE	CIRC	Attempt to clean up hole, CBU x2
9/5/2013 00:00	9/5/2013 06:00	6	UNPLANNED	Tight Hole / Swabbing / Circulating in relation to	U_TH	TOOH washing and reaming to laydown xciter F/15,497' T/13,650'

Report #: 38 Daily Operation: 9/5/2013 06:00 - 9/6/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027310
Days From Spud (days) 33	Days on Location (days) 38	End Depth (ftKB) 15,497.0	End Depth (TVD) (ftKB) 10,785.9	Dens Last Mud (lb/gal) 12.40	Rig PATTERSON - UTI, 220	

Operations Summary

Back ream out of hole f/ 13,650' t/ 10,400', pump slug, TOOH f/ 10,400' t/ surf. (hole taking proper fill), C/O MM and bit, TIH t/ 10,971, CBU X1

Remarks

Rig moved started: 7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC

8-3-13 @ 0730 am Operator 25 Linda

Surface csg and cmt

8-3-13 @ 0730 am Operator 25 Linda

Intermediate-

8-18-13 10:30 am Operator 5 Brenda

Production-

Job #

Spud Surface: @1000 8/4/2013

TD Surface: @0930 8/5/2013

TD Intermediate: @1630 8/17/2013

Test BOP: 8-28-2013

Landed Curve: @ 1600 on 8/28/2013

TD Lateral:

Days Since Spud: 33 Days

Rig released @: xxx

Days Rig Downtime: 0Hrs

Total Rig Downtime: 30 Hrs.

Landed Cuve @ MD-11,181', TVD-10,778', 2' low & 43' right.

Current Projection @ bit on the line 4' Right of Plan

70%shale 30%, @ 15,497

Total mud lost to well-

Total OBM lost to well- 278

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/5/2013 06:00	9/5/2013 08:30	2.5	UNPLANNED	Tight Hole / Swabbing / Circulating in relation to	U_TH	Back ream out of the hole f/ 13,650' t/ 10,400', pump slug
9/5/2013 08:30	9/5/2013 16:30	8	PROD-TRIP	TRIP	TRIP	Tooh f/ 10,400' t/ surf (hole taking proper fill) l/d rattler @ 2000'
9/5/2013 16:30	9/5/2013 18:45	2.25	PROD-TRIP BHA	TRIP FOR BHA	TRIP BHA	Drain motor, break bit, l/o MWD, MM
9/5/2013 18:45	9/5/2013 21:00	2.25	PLAN	EQUIP	BHA	M/U dir. tools, scribe same, surf test, M/U bit
9/5/2013 21:00	9/5/2013 22:00	1	PROD-TRIP	TRIP	TRIP	TIH F/94' T/ 2,470', Filling up every 30 stands.
9/5/2013 22:00	9/6/2013 01:00	3	PLAN	DRLG	CUTDL	Slip & Cut Drlg line

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/6/2013 01:00	9/6/2013 01:30	0.5	PLAN	PERS	SFTY	Broke out of tool jt and oil base got on floor, shut down TIH to clean up, Safety Issue
9/6/2013 01:30	9/6/2013 03:45	2.25	PROD-TRIP	TRIP	TRIP	TIH F/2,470' T/ 10,080', Filling up every 30 stands.
9/6/2013 03:45	9/6/2013 04:45	1	PROD-CIRC	CIRCULATE	CIRC	CBU x1 @10,080'
9/6/2013 04:45	9/6/2013 05:15	0.5	PROD-TRIP	TRIP	TRIP	TIH F/10,080' T/ 10,971', Filling up every 30 stands.
9/6/2013 05:15	9/6/2013 06:00	0.75	PROD-CIRC	CIRCULATE	CIRC	CBU x1 @10971

Report #: 39 Daily Operation: 9/6/2013 06:00 - 9/7/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027310
Days From Spud (days) 34	Days on Location (days) 39	End Depth (ftKB) 15,497.0	End Depth (TVD) (ftKB) 10,785.9	Dens Last Mud (lb/gal) 12.60	Rig PATTERSON - UTI, 220	

Operations Summary

CBU 10,971, TIH t/ 12,640, rig repair 1 hr, CBU, Wash and ream f/ 12,640' t/ 15,497', CBU every 1500'

Remarks

Rig moved started:7:00 A.M. 7-30-2013

Accepted rig to drill: @1800, 8/3/2013

Total rig move: 4.5 Days

Contacted: TRRC

8-3-13 @ 0730 am Operator 25 Linda

Surface csg and cmt

8-3-13 @ 0730 am Operator 25 Linda

Intermediate-

8-18-13 10:30 am Operator 5 Brenda

Production-

Job #

Spud Surface: @1000 8/4/2013

TD Surface: @0930 8/5/2013

TD Intermediate:@1630 8/17/2013

Test BOP: 8-28-2013

Landed Curve: @ 1600 on 8/28/2013

TD Lateral:

Days Since Spud: 34 Days

Rig released @: xxx

Days Rig Downtime: 1Hrs

Total Rig Downtime: 31 Hrs.

Landed Cuve @ MD-11,181', TVD-10,778', 2' low & 43' right.

Current Projection @ bit on the line 4' Right of Plan

70%shale 30%, @ 15,497

Total mud lost to well-

Total OBM lost to well- 278

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/6/2013 06:00	9/6/2013 06:30	0.5	UNPLANNED	Tight Hole / Swabbing / Circulating in relation to	U_TH	CBU to clean hole
9/6/2013 06:30	9/6/2013 08:00	1.5	PROD-TRIP	TRIP	TRIP	TIH f/ 10940' t/ 12640'
9/6/2013 08:00	9/6/2013 09:00	1	UNPLAN	EQUIP	U_RIG	Lost power to rig, Restart generators, and bring equipment back on line
9/6/2013 09:00	9/6/2013 23:00	14	UNPLANNED	Tight Hole / Swabbing / Circulating in relation to	U_TH	Wash and ream f/ 12,640' t/ (raise mw to 12.6 ppg @ 13,586)
9/6/2013 23:00	9/7/2013 00:00	1	UNPLANNED	Tight Hole / Swabbing / Circulating in relation to	U_TH	CBU x1 to clean hole @14,561

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/7/2013 00:00	9/7/2013 02:00	2	UNPLANNED	Tight Hole / Swabbing / Circulating in relation to	U_TH	Wash and ream f/ 14,561' t14,903' (raise mw to 12.6 ppg @ 14,561)
9/7/2013 02:00	9/7/2013 05:00	3	UNPLANNED	Tight Hole / Swabbing / Circulating in relation to	U_TH	CBU x1 to clean hole @14,561
9/7/2013 05:00	9/7/2013 06:00	1	UNPLANNED	Tight Hole / Swabbing / Circulating in relation to	U_TH	Wash and ream f/ 14,903' t15,056' Current MW 12.6

Report #: 40 Daily Operation: 9/7/2013 06:00 - 9/8/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027310
Days From Spud (days) 35	Days on Location (days) 40	End Depth (ftKB) 16,025.0	End Depth (TVD) (ftKB) 10,785.9	Dens Last Mud (lb/gal) 12.70	Rig PATTERSON - UTI, 220	

Operations Summary

Wash and ream f/ 15,056' t/ 15490', Raise MW to 12.7 ppg, Rot and slide drill lateral section F/ 15,497' t/16,025

Remarks

Rig moved started:7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC

8-3-13 @ 0730 am Operator 25 Linda
Surface csg and cmt

8-3-13 @ 0730 am Operator 25 Linda
Intermediate-

8-18-13 10:30 am Operator 5 Brenda
Production-

Job #

Spud Surface: @1000 8/4/2013

TD Surface: @0930 8/5/2013

TD Intermediate:@1630 8/17/2013

Test BOP: 8-28-2013

Landed Curve: @ 1600 on 8/28/2013

TD Lateral:

Days Since Spud: 35 Days

Rig released @: xxx

Days Rig Downtime: 1Hrs

Total Rig Downtime: 31 Hrs.

Landed Cuve @ MD-11,181', TVD-10,778', 2' low & 43' right.

Current Projection @ 3' Above 27' Left of Plan

90%shale 10% Lime, @ 115,910

Total mud lost to well-

Total OBM lost to well- 278

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/7/2013 06:00	9/7/2013 12:00	6	UNPLANNED	Tight Hole / Swabbing / Circulating in relation to	U_TH	Wash and ream f/ 15,056' t/ 15,497' (hole still acting as if it was not clean)
9/7/2013 12:00	9/7/2013 14:00	2	UNPLANNED	Tight Hole / Swabbing / Circulating in relation to	U_TH	Raise MW f/ 12.5+ t/ 12.7, CBU
9/7/2013 14:00	9/7/2013 15:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/15,497' T/15, 517' (20'@ 20 fph), WOB 20k, 110 SPM@ 464 GPM, MRPM-225, SPP-3620, Diff-250, TF-170r
9/7/2013 15:00	9/7/2013 17:30	2.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/15,517' T/15,559' (42'@ 28 fph), WOB-25k, RPM-75 - 85, TQ-10k, 106 SPM@ 452 GPM, MRPM-221, SPP-3800, Diff-450
9/7/2013 17:30	9/7/2013 19:00	1.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/15,559' T/15, 583' (24'@ 16 fph), WOB 20k, 110 SPM@ 464 GPM, MRPM-225, SPP-3620, Diff-250, TF-170R

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/7/2013 19:00	9/7/2013 21:00	2	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/15,583' T/15,653' (70'@ 35 fph), WOB-25k, RPM-75 - 85, TQ-10k, 106 SPM@ 452 GPM, MRPM-221, SPP-3800, Diff-450
9/7/2013 21:00	9/7/2013 21:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/15,653' T/15, 658' (5'@ 10 fph), WOB 20k, 110 SPM@ 464 GPM, MRPM-225, SPP-3620, Diff-250, TF-170R
9/7/2013 21:30	9/8/2013 06:00	8.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/15,583' T/16,025' (70'@ 35 fph), WOB-25k, RPM-75 - 85, TQ-10k, 106 SPM@ 452 GPM, MRPM-221, SPP-3800, Diff-450

Report #: 41 Daily Operation: 9/8/2013 06:00 - 9/9/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027310
Days From Spud (days) 36	Days on Location (days) 41	End Depth (ftKB) 16,639.0	End Depth (TVD) (ftKB) 10,789.1	Dens Last Mud (lb/gal) 12.70	Rig PATTERSON - UTI, 220	

Operations Summary

Rotate/Slide Drill F/16,025' T/ 16,639', Repair pump #2 Liner, #1 MP unable to sustain Minuim GPM to Drill, Stroking 108 and fluctuating up & down to 98 while off bottom. Rig on Down Time

Remarks

Rig moved started:7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC
8-3-13 @ 0730 am Operator 25 Linda
Surface csg and cmt
8-3-13 @ 0730 am Operator 25 Linda
Intermediate-
8-18-13 10:30 am Operator 5 Brenda
Production-
Job #
Spud Surface: @1000 8/4/2013
TD Surface: @0930 8/5/2013
TD Intermediate:@1630 8/17/2013
Test BOP: 8-28-2013
Landed Curve: @ 1600 on 8/28/2013
TD Lateral:

Days Since Spud: 36 Days
Rig released @: xxx

Days Rig Downtime: 2Hrs
Total Rig Downtime: 33 Hrs.
Landed Cuve @ MD-11,181', TVD-10,778', 2' low & 43' right.
Current Projection @ 6' Above 44' Left of Plan

100%shale, @ 16,600'
Total mud lost to well-
Total OBM lost to well- 278

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/8/2013 06:00	9/8/2013 06:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/16,025' T/16,031' (6'@ 10 fph), WOB-25k, RPM-75 - 85, TQ-10k, 106 SPM@ 452 GPM, MRPM-221, SPP-3800, Diff -450
9/8/2013 06:30	9/8/2013 08:00	1.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/16,031' T/16,057' (26'@ 17 fph), WOB 20k, 110 SPM@ 434 GPM, MRPM-225, SPP-3620, Diff-250, TF-150R
9/8/2013 08:00	9/8/2013 10:00	2	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/16,057' T/16,126' (69'@ 34.5 fph), WOB-25k, RPM-75 - 85, TQ-10k, 106 SPM@ 452 GPM, MRPM-221, SPP-3800, Diff-450
9/8/2013 10:00	9/8/2013 11:00	1	PLAN	EQUIP	RIGSER	Rig Service
9/8/2013 11:00	9/8/2013 13:00	2	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/16,126' T/16,220' (94'@ 47 fph), WOB-25k, RPM-75 - 85, TQ-10k, 106 SPM@ 452 GPM, MRPM-221, SPP-3800, Diff-450
9/8/2013 13:00	9/8/2013 16:00	3	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/16,220' T/16,237' (17'@ 6 fph), WOB 20k, 110 SPM@ 424 GPM, MRPM-225, SPP-3620, Diff-250, TF-150R

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/8/2013 16:00	9/8/2013 18:00	2	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/16,237' T/16,314' (77'@ 38.5 fph), WOB-25k, RPM-75 - 85, TQ-10k, 106 SPM@ 452 GPM, MRPM-221, SPP-3800, Diff-450
9/8/2013 18:00	9/8/2013 20:00	2	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/16,314' T/16,346' (32'@ 14 fph), WOB 20k, 102 SPM@ 424 GPM, MRPM-225, SPP-3620, Diff-250, TF-150R
9/8/2013 20:00	9/8/2013 22:30	2.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/16,346' T/16,450' (77'@ 38.5 fph), WOB-25k, RPM-75 - 85, TQ-10k, 102 SPM@ 429 GPM, MRPM-221, SPP-3800, Diff-450
9/8/2013 22:30	9/9/2013 00:00	1.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/16,450' T/16,459' (9'@ 6 fph), WOB 20k, 102 SPM@ 424 GPM, MRPM-225, SPP-3620, Diff-250, TF-140R
9/9/2013 00:00	9/9/2013 04:00	4	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/16,459' T/16,639' (180'@ 45 fph), WOB-25k, RPM-75 - 85, TQ-10k, 102 SPM@ 429 GPM, MRPM-221, SPP-3800, Diff-450
9/9/2013 04:00	9/9/2013 06:00	2	UNPLANNED	Rig-related problems (BOPE, etc)	U_RIG	Repair pump #2 Liner, #1 MP unable to sustain Minuim GPM to Drill, Stroking 108 and fluctuating up & down to 98 while off bottom.

Report #: 42 Daily Operation: 9/9/2013 06:00 - 9/10/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027310
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
37	42	17,132.0	10,790.3	12.70	PATTERSON - UTI, 220	

Operations Summary

Rig Repair 4 Hrs (Mud Pumps), Rot and slide drill f/ 16,639' T17,132'

Remarks

Rig moved started:7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC
8-3-13 @ 0730 am Operator 25 Linda
Surface csg and cmt
8-3-13 @ 0730 am Operator 25 Linda
Intermediate-
8-18-13 10:30 am Operator 5 Brenda
Production-
Job #
Spud Surface: @1000 8/4/2013
TD Surface: @0930 8/5/2013
TD Intermediate:@1630 8/17/2013
Test BOP: 8-28-2013
Landed Curve: @ 1600 on 8/28/2013
TD Lateral:

Days Since Spud: 37 Days
Rig released @: xxx

Days Rig Downtime: 4Hrs
Total Rig Downtime: 37 Hrs.
Landed Cuve @ MD-11,181', TVD-10,778', 2' low & 43' right.
Current Projection @ 4' Above 35' Left of Plan

100%shale, @ 17,080'
Total mud lost to well-
Total OBM lost to well- 278

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/9/2013 06:00	9/9/2013 09:00	3	UNPLAN	EQUIP	U_RIG	Repair mud pumps (c/o two liners on #2 and trouble shoot power limit issue on #1, was found that three generators had to be running to support power limit of rotary and pump at 103 spm)
9/9/2013 09:00	9/9/2013 11:00	2	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/16,639' T/16,692' (53'@ 26.5 fph), WOB-25k, RPM-75 - 85, TQ-10k, 102 SPM@ 429 GPM, MRPM-221, SPP-3800, Diff-450
9/9/2013 11:00	9/9/2013 12:00	1	PLAN	EQUIP	RIGSER	Rig serv.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/9/2013 12:00	9/9/2013 18:00	6	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/16,692' T/16,885' (193'@ 32 fph), WOB-25k, RPM-75 - 85, TQ-10k, 102 SPM@ 429 GPM, MRPM-221, SPP-3800, Diff-450
9/9/2013 18:00	9/9/2013 19:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/16,885' T/16,900' (15'@ 15 fph), WOB 20k, 102 SPM@ 424 GPM, MRPM-225, SPP-3620, Diff-250, TF-150R
9/9/2013 19:00	9/9/2013 20:30	1.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/16,900' T/16,971' (71'@ 47.3 fph), WOB-25k, RPM-75 - 85, TQ-10k, 102 SPM@ 429 GPM, MRPM-221, SPP-3800, Diff-450
9/9/2013 20:30	9/9/2013 22:30	2	PROD-CIRC	CIRCULATE	CIRC	CBU x1, Hole trying to pack off
9/9/2013 22:30	9/10/2013 01:00	2.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/16,971' T/17,059' (71'@ 47.3 fph), WOB-25k, RPM-75 - 85, TQ-10k, 102 SPM@ 429 GPM, MRPM-221, SPP-3800, Diff-450
9/10/2013 01:00	9/10/2013 03:00	2	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/17,059' T/17,089' (15'@ 15 fph), WOB 20k, 102 SPM@ 424 GPM, MRPM-225, SPP-3620, Diff-250, TF-150R
9/10/2013 03:00	9/10/2013 04:00	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/17,089' T/17,113' (24'@ 24 fph), WOB-25k, RPM-75 - 85, TQ-10k, 102 SPM@ 429 GPM, MRPM-221, SPP-3800, Diff-450
9/10/2013 04:00	9/10/2013 05:00	1	UNPLAN	OTHR	U_OTR	Repair electrical on pump #2
9/10/2013 05:00	9/10/2013 06:00	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/17,113' T/17,132' (19'@ 19 fph), WOB-25k, RPM-75 - 85, TQ-10k, 102 SPM@ 429 GPM, MRPM-221, SPP-3800, Diff-450

Report #: 43 Daily Operation: 9/10/2013 06:00 - 9/11/2013 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 027310
-------------------------------	-------------------------	----------------------

Days From Spud (days) 38	Days on Location (days) 43	End Depth (ftKB) 17,636.0	End Depth (TVD) (ftKB) 10,783.5	Dens Last Mud (lb/gal) 12.70	Rig PATTERSON - UTI, 220
-----------------------------	-------------------------------	------------------------------	------------------------------------	---------------------------------	-----------------------------

Operations Summary

Rot and slide f/ 17,132' t/ 17,301', (rig repair 1Hr on mud pumps) Rot and slide drill f/ 17,301 t/ 17636'

Remarks

Rig moved started:7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC
8-3-13 @ 0730 am Operator 25 Linda
Surface csg and cmt
8-3-13 @ 0730 am Operator 25 Linda
Intermediate-
8-18-13 10:30 am Operator 5 Brenda
Production-
Job #
Spud Surface: @1000 8/4/2013
TD Surface: @0930 8/5/2013
TD Intermediate:@1630 8/17/2013
Test BOP: 8-28-2013
Landed Curve: @ 1600 on 8/28/2013
TD Lateral:

Days Since Spud: 38 Days
Rig released @: xxx

Days Rig Downtime: 4Hrs
Total Rig Downtime: 41 Hrs.
Landed Cuve @ MD-11,181', TVD-10,778', 2' low & 43' right.
Current Projection @ 8' Above 5' Right of Plan

100%shale, @ 17,560'
Total mud lost to well-
Total OBM lost to well- 278

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/10/2013 06:00	9/10/2013 06:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/17,132' T/17,164' (32'@ 64fph), WOB-25k, RPM-85, TQ-7-9k, 102 SPM@ 427 GPM, MRPM-123, SPP-4010, Diff-178

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/10/2013 06:30	9/10/2013 07:30	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/17,164' T/17,184' (20'@ 20fph), WOB-28k, 102 SPM@ 427 GPM, MRPM-123, SPP-3996, Diff-120, TF-180
9/10/2013 07:30	9/10/2013 11:30	4	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/17,184' T/17,301' (117'@ 29fph), WOB-25k, RPM-85, TQ-9-12k, 100 SPM@ 418 GPM, MRPM-121, SPP-4090, Diff-258
9/10/2013 11:30	9/10/2013 13:00	1.5	UNPLAN	EQUIP	U_RIG	Change liner and swab on pump #1, while circulating w/ pump #2
9/10/2013 13:00	9/10/2013 14:30	1.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/17,301' T/17,349' (48'@ 32fph), WOB-25k, RPM-85, TQ-11-13k, 100 SPM@ 418 GPM, MRPM-121, SPP-4070, Diff-350
9/10/2013 14:30	9/10/2013 15:30	1	PLAN	EQUIP	RIGSER	Rig Service
9/10/2013 15:30	9/10/2013 17:00	1.5	UNPLAN	EQUIP	U_RIG	Electrician and mechanic troubleshoot power failure on mud pumps.
9/10/2013 17:00	9/10/2013 17:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/17,349' T/17,365' (16'@ 32fph), WOB-56k, 96 SPM@ 401 GPM, MRPM-116, SPP-, Diff-280, TF-180
9/10/2013 17:30	9/10/2013 18:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/17,365' T/17,378' (13'@ 26fph), WOB-25k, RPM-80, TQ-1-3k, 100 SPM@ 418 GPM, MRPM-121, SPP-3522, Diff-285
9/10/2013 18:00	9/10/2013 20:00	2	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/17,378' T/17,447' (69'@ 34fph), WOB-25k, RPM-85, TQ-10k, 96 SPM@ 401 GPM, MRPM-116, SPP-3625, Diff-200
9/10/2013 20:00	9/10/2013 22:00	2	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/17,447' T/17,477' (30'@ 15fph), WOB-22k, 100 SPM@ 418 GPM, MRPM-121, SPP-3750, Diff-100, TF-150R
9/10/2013 22:00	9/10/2013 23:30	1.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/17,477' T/17,542' (65'@ 43fph), WOB-25k, RPM-85, TQ-10k, 96 SPM@ 401 GPM, MRPM-116, SPP-3625, Diff-200
9/10/2013 23:30	9/11/2013 00:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/17,542' T/17,545' (03'@ 6fph), WOB-22k, 100 SPM@ 418 GPM, MRPM-121, SPP-3750, Diff-100, TF-150L
9/11/2013 00:00	9/11/2013 00:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/17,545' T/17,550' (05'@ 10fph), WOB-25k, RPM-85, TQ-10k, 96 SPM@ 401 GPM, MRPM-116, SPP-3625, Diff-200
9/11/2013 00:30	9/11/2013 01:00	0.5	PROD-CIRC	CIRCULATE	CIRC	Circulate & Condition Mud, could not slide due to stacking weight.
9/11/2013 01:00	9/11/2013 03:00	2	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/17,550' T/17,561' (11'@ 5fph), WOB-22k, 100 SPM@ 418 GPM, MRPM-121, SPP-3750, Diff-100, TF-140L
9/11/2013 03:00	9/11/2013 06:00	3	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/17,561' T/17,636' (75'@ 25fph), WOB-25k, RPM-85, TQ-10k, 96 SPM@ 401 GPM, MRPM-116, SPP-3625, Diff-200

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 44 Daily Operation: 9/11/2013 06:00 - 9/12/2013 06:00

Job Category ORIG DRILLING				Primary Job Type ODR		AFE Number 027310
Days From Spud (days) 39	Days on Location (days) 44	End Depth (ftKB) 18,055.0	End Depth (TVD) (ftKB) 10,796.5	Dens Last Mud (lb/gal) 12.70	Rig PATTERSON - UTI, 220	

Operations Summary

Rot and slide drill lateral f/ 17,636' t/ 17,923', Repair liner #2 Mud pump, Rot and slide drill lateral f/ 17,923' t/ 18,055'

Remarks

Rig moved started: 7:00 A.M. 7-30-2013

Accepted rig to drill: @1800, 8/3/2013

Total rig move: 4.5 Days

Contacted: TRRC

8-3-13 @ 0730 am Operator 25 Linda

Surface csg and cmt

8-3-13 @ 0730 am Operator 25 Linda

Intermediate-

8-18-13 10:30 am Operator 5 Brenda

Production-

Job #

Spud Surface: @1000 8/4/2013

TD Surface: @0930 8/5/2013

TD Intermediate: @1630 8/17/2013

Test BOP: 8-28-2013

Landed Curve: @ 1600 on 8/28/2013

TD Lateral:

Days Since Spud: 39 Days

Rig released @: xxx

Days Rig Downtime: 1.75Hrs

Total Rig Downtime: 42.75 Hrs.

Landed Cuve @ MD-11,181', TVD-10,778', 2' low & 43' right.

Current Projection @ 4' Above 43' Right of Plan

100%shale, @ 17,950'

Total mud lost to well-

Total OBM lost to well- 278

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/11/2013 06:00	9/11/2013 09:30	3.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/17,636' T/17,662' (26'@ 7fph), WOB-42k, 100 SPM@ 418 GPM, MRPM-121, SPP-3819, Diff-139, TF-160L
9/11/2013 09:30	9/11/2013 12:00	2.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/17,662' T/17,730' (68'@ 27fph), WOB-25k, RPM-80, TQ-10-13k, 100 SPM@ 418 GPM, MRPM-121, SPP-4070, Diff-340
9/11/2013 12:00	9/11/2013 14:30	2.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/17,730' T/17,750' (20'@ 8fph), WOB-40k, 100 SPM@ 418 GPM, MRPM-121, SPP-3625, Diff-133, TF-115L
9/11/2013 14:30	9/11/2013 16:00	1.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/17,750' T/17,824' (74'@ 49fph), WOB-46k, RPM-80, TQ-9-12k, 100 SPM@ 418 GPM, MRPM-121, SPP-3880, Diff-101
9/11/2013 16:00	9/11/2013 16:30	0.5	PLAN	EQUIP	RIGSER	Rig Service
9/11/2013 16:30	9/11/2013 18:00	1.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/17,824' T/17,866' (42'@ -42' fph), WOB-28k, RPM-80, TQ-10-12k, 100 SPM@ 418 GPM, MRPM-121, SPP-4150, Diff-343
9/11/2013 18:00	9/11/2013 22:00	4	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/17,866' T/17,885' (19'@ 5' fph), WOB-40k, 100 SPM@ 418 GPM, MRPM-121, SPP-3625, Diff-133, TF-90L
9/11/2013 22:00	9/11/2013 23:30	1.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/17,885' T/17,919' (34'@ -23' fph), WOB-28k, RPM-80, TQ-10-12k, 100 SPM@ 418 GPM, MRPM-121, SPP-4150, Diff-343
9/11/2013 23:30	9/12/2013 00:30	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill F/17,919' T/17,923' (4'@ 5' fph), WOB-40k, 100 SPM@ 418 GPM, MRPM-121, SPP-3625, Diff-133, TF-90L
9/12/2013 00:30	9/12/2013 02:15	1.75	UNPLAN	EQUIP	U_RIG	Change liner and swab on pump #1, while circulating w/ pump #2
9/12/2013 02:15	9/12/2013 06:00	3.75	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rot Drill F/17,923' T/18,055' (132'@ -35.2' fph), WOB-28k, RPM-80, TQ-10-12k, 100 SPM@ 418 GPM, MRPM-121, SPP-4150, Diff-343

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 45 Daily Operation: 9/12/2013 06:00 - 9/13/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027310
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
40	45	18,483.0	10,915.8	12.70	PATTERSON - UTI, 220	

Operations Summary

Rot drlg lateral section F/18,055 T/18,390', Service rig, Rot drlg lateral F/18,390' T/18,483', Circulate 4 bottoms up, Make short trip.

Remarks

Rig moved started: 7:00 A.M. 7-30-2013

Accepted rig to drill: @1800, 8/3/2013

Total rig move: 4.5 Days

Contacted: TRRC

8-3-13 @ 0730 am Operator 25 Linda

Surface csg and cmt

8-3-13 @ 0730 am Operator 25 Linda

Intermediate-

8-18-13 10:30 am Operator 5 Brenda

Production-

Job #

Spud Surface: @1000 8/4/2013

TD Surface: @0930 8/5/2013

TD Intermediate: @1630 8/17/2013

Test BOP: 8-28-2013

Landed Curve: @ 1600 on 8/28/2013

TD Lateral: @ 18:30 on 9/12/2013

Days Since Spud: 40 Days

Rig released @: xxx

Days Rig Downtime: 0.0Hrs

Total Rig Downtime: 42.75 Hrs.

Landed Cuve @ MD-11,181', TVD-10,778', 2' low & 43' right.

Final Projection @ 13.4' Below 65' Right of Plan.

2,362' North of the South Hardline, 815' Left of the hard line.

100%shale, @ 18,483'

Total mud lost to well-

Total OBM lost to well- 336

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/12/2013 06:00	9/12/2013 15:00	9	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rot Drill F/18,055' T/18,390' (335'@ 37' fph), WOB-28k, RPM-80, TQ-10-12k, 100 SPM@ 418 GPM, MRPM-121, SPP-4150, Diff-343
9/12/2013 15:00	9/12/2013 15:30	0.5	PLAN	EQUIP	RIGSER	Rig Service
9/12/2013 15:30	9/12/2013 18:00	2.5	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rot Drill F/18,390' T/18,465' (75'@ 30' fph), WOB-28k, RPM-80, TQ-10-12k, 100 SPM@ 418 GPM, MRPM-121, SPP-4150, Diff-343
9/12/2013 18:00	9/12/2013 18:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rot Drill F/18,465' T/18,483' (18'@ 36' fph), WOB-28k, RPM-80, TQ-10-12k, 100 SPM@ 418 GPM, MRPM-121, SPP-4150, Diff-343.
9/12/2013 18:30	9/13/2013 01:00	6.5	PROD-CIRC	CIRCULATE	CIRC	Circulate & condition mud @ 18,483' a total of 4 bottoms up standing 1 stand back in derrick after each bottoms up.
9/13/2013 01:00	9/13/2013 06:00	5	PROD-TRIP	TRIP	TRIP	Pump slug, Make Short trip out of the hole F/18,483 T/ 16,126' Hole taking proper displacement. Work thru tight hole F/17'750' T/17,730', F/17,448' T/17,440', F/17,270' T/17,260', F/16,640' T/16,594'.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 46 Daily Operation: 9/13/2013 06:00 - 9/14/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027310
Days From Spud (days) 41	Days on Location (days) 46	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 10,915.8	Dens Last Mud (lb/gal) 12.70	Rig PATTERSON - UTI, 220	

Operations Summary

Short trip out of hole to casing shoe, Service rig, TIH T/16,000', Back ream out of hole F/16,000' T/14,536'.

Remarks

Rig moved started: 7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC
8-3-13 @ 0730 am Operator 25 Linda
Surface csg and cmt
8-3-13 @ 0730 am Operator 25 Linda
Intermediate-
8-18-13 10:30 am Operator 5 Brenda
Production-
Job #
Spud Surface: @1000 8/4/2013
TD Surface: @0930 8/5/2013
TD Intermediate: @1630 8/17/2013
Test BOP: 8-28-2013
Landed Curve: @ 1600 on 8/28/2013
TD Lateral: @ 18:30 on 9/12/2013

Days Since Spud: 41 Days
Rig released @: xxx

Days Rig Downtime: 0.0Hrs
Total Rig Downtime: 42.75 Hrs.
Landed Cuve @ MD-11,181', TVD-10,778', 2' low & 43' right.

Final Projection @ 13.4' Below 65' Right of Plan.
2,362' North of the South Hardline, 815' Left of the hard line.

100%shale, @ 18,483'
Total mud lost to well-
Total OBM lost to well- 336

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/13/2013 06:00	9/13/2013 11:30	5.5	PROD-TRIP	TRIP	TRIP	Make Short trip out of the hole F/16,126 T/ 9,800' Hole taking proper displacement. Work thru minnum tight hole with 15 to 20K overpull F/. 16,000' to 15,000' F/ 15,000' to 10,990' and had to work though tight spot @ 10,990' W/ 60 to 70K overpull (survey showed to have 18 degree DSL at that depth.
9/13/2013 11:30	9/13/2013 12:30	1	PLAN	EQUIP	RIGSER	Rig Service
9/13/2013 12:30	9/13/2013 18:00	5.5	PROD-TRIP	TRIP	TRIP	TIH F/ 9,800' to 16,000' Tight spot @ 15,475,15,800 & started to wash & ream F/ 15,450 to 16,000'. Hole started to pack off.
9/13/2013 18:00	9/14/2013 06:00	12	PLAN	EQUIP	TRIP	POOH F/16,000' to 14,536' Back reaming pipe with top drive & pump attempting to reach depth to circulate with max GPM to clean hole out. Extremely tight hole @ 14,540' packed of and was unable to pump, Top drive stalled & took 22,000 tq to get pipe rotating again. F/14,540' T/14,537'. @ 14,537' we were able to regain circulation, Brought pumps up slowly to ensure hole would not pack off again, Continue to back ream out of hole.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 47 Daily Operation: 9/14/2013 06:00 - 9/15/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027310
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
42	47	18,483.0	10,915.8	12.70	PATTERSON - UTI, 220	

Operations Summary

Wash & Ream out of hole F/14,536' T/13,900', TOO H on elevators F/13,900' T/10,100', Circulate @ casing shoe, TOO H F/10,100 T/941', Break bit, Lay down directional tools, Cut 100' of drilling line, Service rig, M/U bit sub & bit, P/U 13 jts from pipe racks F/0' T/413'. Repair ST-80 hose.

Remarks

Rig moved started:7:00 A.M. 7-30-2013

Accepted rig to drill: @1800, 8/3/2013

Total rig move: 4.5 Days

Contacted: TRRC

8-3-13 @ 0730 am Operator 25 Linda

Surface csg and cmt

8-3-13 @ 0730 am Operator 25 Linda

Intermediate-

8-18-13 10:30 am Operator 5 Brenda

Production-

Job #

Spud Surface: @1000 8/4/2013

TD Surface: @0930 8/5/2013

TD Intermediate:@1630 8/17/2013

Test BOP: 8-28-2013

Landed Curve: @ 1600 on 8/28/2013

TD Lateral: @ 18:30 on 9/12/2013

Days Since Spud: 42 Days

Rig released @: xxx

Days Rig Downtime: 0.0Hrs

Total Rig Downtime: 42.75 Hrs.

Landed Cuve @ MD-11,181', TVD-10,778', 2' low & 43' right.

Final Projection @ 13.4' Below 65' Right of Plan.

2,362' North of the South Hardline, 815' Left of the hard line.

100%shale, @ 18,483'

Total mud lost to well-

Total OBM lost to well- 336

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/14/2013 06:00	9/14/2013 10:00	4	PROD-TRIP	TRIP	TRIP	Wash & ream out of the hole F/ 14,536' to 13,900', hole trying to pack off & high torque up to 22,000 ft/lbs. Drill pipe pressured up at 14,300' and was unable to circ down the drill pipe.
9/14/2013 10:00	9/14/2013 13:30	3.5	PROD-TRIP	TRIP	TRIP	TOOH on elevators with normal drag F/ 13,900' to 10,100' Hole taken proper displacement.
9/14/2013 13:30	9/14/2013 14:30	1	PROD-CIRC	CIRCULATE	CIRC	Circ. B/U just before casing shoe, Pump rate 100 SPM with 2,700PSI
9/14/2013 14:30	9/14/2013 18:00	3.5	PROD-TRIP	TRIP	TRIP	Pumped slug &TOOH F/ 10,100' to 1,250' , Hole taken proper displacement.
9/14/2013 18:00	9/14/2013 19:00	1	PROD-TRIP	TRIP	TRIP	TOOH F/ 1,250' to 941' , Hole taken proper displacement.
9/14/2013 19:00	9/14/2013 21:00	2	PROD-TRIP	TRIP	TRIP	Lay down 27 jts of drill pipe F/941' T/94' due to lack of room in derrick.
9/14/2013 21:00	9/14/2013 23:30	2.5	PLAN	EQUIP	BHA	TOOH W/ Bha F/94' T/0', Drain motor, Break bit off, Stand directional tools back in derrick, Latch directional tools back up from derrick & lay down same.
9/14/2013 23:30	9/15/2013 02:30	3	PLAN	DRLG	CUTDL	Slip & cut 100' of drilling line.
9/15/2013 02:30	9/15/2013 03:30	1	PLAN	EQUIP	RIGSER	Service rig.
9/15/2013 03:30	9/15/2013 05:00	1.5	PROD-TRIP	TRIP	TRIP	Install drilling nipple, M/U bit sub & bit, TIH picking up single joints from racks F/0' T/413" that were laid down for lack of room in derrick.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/15/2013 05:00	9/15/2013 06:00	1	UNPLAN	EQUIP	U_RIG	Repair hose on ST-80.

Report #: 48 Daily Operation: 9/15/2013 06:00 - 9/16/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027310
Days From Spud (days) 43	Days on Location (days) 48	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 10,915.8	Dens Last Mud (lb/gal) 12.70	Rig PATTERSON - UTI, 220	

Operations Summary

P/U 10 jts from racks T/850', TIH F derrick F/850' T/9,800', Repair ST-80, TIH F/9,800' T/11,400', Circulate, Repair drawworks, TIH F/11,400 T/13,500, Circulate, TIH F/13,500' T/15,974', Circulate & work pipe F/15,974' T/16,042', TIH F/16,042' T/16,922', Ream F/16,922' T/17,489', TIH F/17,489' T/17,580', Ream F/17,580 T/ 17,772'

Remarks

Rig moved started:7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC

8-3-13 @ 0730 am Operator 25 Linda

Surface csg and cmt

8-3-13 @ 0730 am Operator 25 Linda

Intermediate-

8-18-13 10:30 am Operator 5 Brenda

Production-

Job #

Spud Surface: @1000 8/4/2013

TD Surface: @0930 8/5/2013

TD Intermediate:@1630 8/17/2013

Test BOP: 8-28-2013

Landed Curve: @ 1600 on 8/28/2013

TD Lateral: @ 18:30 on 9/12/2013

Days Since Spud: 43 Days

Rig released @: xxx

Days Rig Downtime: 2.25Hrs

Total Rig Downtime: 43 Hrs.

Landed Cuve @ MD-11,181', TVD-10,778', 2' low & 43' right.

Final Projection @ 13.4' Below 65' Right of Plan.

2,362' North of the South Hardline, 815' Left of the hard line.

100%shale, @ 18,483'

Total mud lost to well-

Total OBM lost to well- 467

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/15/2013 06:00	9/15/2013 06:30	0.5	PROD-TRIP	TRIP	TRIP	TIH from pipe racks 10 jts of drill pipe to 850'
9/15/2013 06:30	9/15/2013 11:00	4.5	PROD-TRIP	TRIP	TRIP	TIH with drill pipe from the derrick F/ 850' to 9,800' fill every 30 std in.
9/15/2013 11:00	9/15/2013 11:15	0.25	UNPLANNED	Rig-related problems (BOPE, etc)	U_RIG	Repaired leak on ST-80
9/15/2013 11:15	9/15/2013 12:00	0.75	PROD-TRIP	TRIP	TRIP	TIH with drill pipe F/ 9,800' to 11,400' (below bottom of landing point)
9/15/2013 12:00	9/15/2013 13:30	1.5	PROD-CIRC	CIRCULATE	CIRC	Circ & Condition well before continuing TIH. While circ the drawwork had fault on A motor encoded.
9/15/2013 13:30	9/15/2013 15:30	2	UNPLAN	EQUIP	U_RIG	Continue to circ while waiting on Tech to arrive on location and make repairs to drawworks motor encoder. (Tech on location @ 15:00 hrs)
9/15/2013 15:30	9/15/2013 17:00	1.5	PROD-TRIP	TRIP	TRIP	TIH F/ 11,400' to 13,500'
9/15/2013 17:00	9/15/2013 18:00	1	INT-CIRC	CIRCULATE	CIRC	Pump LCM sweep and circ
9/15/2013 18:00	9/15/2013 22:00	4	PROD-TRIP	TRIP	TRIP	TIH F/13,500' T/15,974', Work thru tight spot @ 15,174' T/15,190'.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/15/2013 22:00	9/16/2013 01:00	3	PROD-CIRC	CIRCULATE	CIRC	Circulate @ 15,974', Circulated with a reduced rate of 350 GPMS due to pack off issues bringing pumps up in increments of 5 strokes at a time for 1 bottoms up, After reaching 463 GPM's @ 100 SPM circulated 1 more bottoms up working pipe from 15,974' T/16,042' for a total of 2 bottoms up.
9/16/2013 01:00	9/16/2013 03:00	2	PROD-TRIP	TRIP	TRIP	TIH F/16,042' T/16,922', Pumped down every 5th joint to ensure hole was not packing off. Worked thru tight spots F/16,395' T/16,402', F/16'590' T/16,610', F/16,764' T/16,774' & F/16,840' T/16,845'.
9/16/2013 03:00	9/16/2013 05:00	2	PLAN	WLCOND	RMWAS H	Wash & ream F/16,922' T/17,489'
9/16/2013 05:00	9/16/2013 05:30	0.5	PROD-TRIP	TRIP	TRIP	TIH F/17,489' T/17,580'
9/16/2013 05:30	9/16/2013 06:00	0.5	PLAN	WLCOND	RMWAS H	Ream & wash F/17,580' T/17,772'

Report #: 49 Daily Operation: 9/16/2013 06:00 - 9/17/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027310
Days From Spud (days) 44	Days on Location (days) 49	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 10,915.8	Dens Last Mud (lb/gal) 12.90	Rig PATTERSON - UTI, 220	

Operations Summary

Wash & ream F/17,770' T/18,483, Circ, Lay down 2 jts, Circ, TOO H F/18,390 T/9,944', L.D.D.P. F/9'944' T/8,200'.

Remarks

Rig moved started: 7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC

8-3-13 @ 0730 am Operator 25 Linda
Surface csg and cmt

8-3-13 @ 0730 am Operator 25 Linda
Intermediate-

8-18-13 10:30 am Operator 5 Brenda
Production-

Job #

Spud Surface: @1000 8/4/2013

TD Surface: @0930 8/5/2013

TD Intermediate: @1630 8/17/2013

Test BOP: 8-28-2013

Landed Curve: @ 1600 on 8/28/2013

TD Lateral: @ 18:30 on 9/12/2013

Days Since Spud: 44 Days

Rig released @: xxx

Days Rig Downtime: 0.0 Hrs

Total Rig Downtime: 43 Hrs.

Landed Cuve @ MD-11,181', TVD-10,778', 2' low & 43' right.

Final Projection @ 13.4' Below 65' Right of Plan.

2,362' North of the South Hardline, 815' Left of the hard line.

100%shale, @ 18,483'

Total mud lost to well-

Total OBM lost to well- 607

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/16/2013 06:00	9/16/2013 08:00	2	PLAN	WLCOND	RMWAS H	Wash & Ream F/ 17,770' to 18,483' Adjust pump rate as need to keep hole from packing off and taking mud.
9/16/2013 08:00	9/16/2013 11:00	3	PROD-CIRC	CIRCULATE	CIRC	Circ & Cond well, adjusting pump rate to keep well from packing off and keeping max flow.
9/16/2013 11:00	9/16/2013 11:15	0.25	PROD-TRIP	TRIP	TRIP	L/D 2 jts after circ. 16,000 stks.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/16/2013 11:15	9/16/2013 16:00	4.75	PROD-CIRC	CIRCULATE	CIRC	Circ & cond well at 106 spm on one pump while changing swab @ 465 GPM, 2750 PSI. Increase mud wt F/ 12.7 to 12.9 PPG
9/16/2013 16:00	9/16/2013 18:00	2	PROD-TRIP	TRIP	TRIP	POOH F/ 18,390 to 17,510' had exceed drag of 25 to 40K over.
9/16/2013 18:00	9/17/2013 04:00	10	PROD-TRIP	TRIP	TRIP	POOH F/ 17,510 T/ 9,944', Hole taking proper fill. Back reamed tight hole F/15,318' T/15,000', F/12,865' T/12,780' & F/10,991 T/10,887'. While backreaming hole was taking fluid, Lost 1/2 BBL per minute While pumping @ 3BBL per minute.
9/17/2013 04:00	9/17/2013 06:00	2	PROD-TRIP	TRIP	TRIP	Lay down drill pipe F/9,944' T/8,200'.

Report #: 50 Daily Operation: 9/17/2013 06:00 - 9/18/2013 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 027310
Days From Spud (days) 45	Days on Location (days) 50	End Depth (ftKB) 18,483.0
	End Depth (TVD) (ftKB) 10,915.8	Dens Last Mud (lb/gal) 12.90
	Rig PATTERSON - UTI, 220	

Operations Summary

L.D.D.P. F/ 8,200' T/Surface, Pull wear bushing, R/U casing, CRT & Torque turn, Hold safety meeting, RIH with production casing F/ 0' T/8,638'.

Remarks

Rig moved started: 7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC

8-3-13 @ 0730 am Operator 25 Linda

Surface csg and cmt

8-3-13 @ 0730 am Operator 25 Linda

Intermediate-

8-18-13 10:30 am Operator 5 Brenda

Production-

9-16-13 10:05 am Stefanie and no operator number.

Job # 10532

Spud Surface: @1000 8/4/2013

TD Surface: @0930 8/5/2013

TD Intermediate: @1630 8/17/2013

Test BOP: 8-28-2013

Landed Curve: @ 1600 on 8/28/2013

TD Lateral: @ 18:30 on 9/12/2013

Days Since Spud: 45 Days

Rig released @: xxx

Days Rig Downtime: 0.0 Hrs

Total Rig Downtime: 43 Hrs.

Landed Cuve @ MD-11,181', TVD-10,778', 2' low & 43' right.

Final Projection @ 13.4' Below 65' Right of Plan.

2,362' North of the South Hardline, 815' Left of the hard line.

100%shale, @ 18,483'

Total mud lost to well-

Total OBM lost to well- 702

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/17/2013 06:00	9/17/2013 13:30	7.5	PROD-TRIP	TRIP	TRIP	Lay down drill pipe F/8,200' T/Surface, Break bit & bit sub. Hole taking proper fill.
9/17/2013 13:30	9/17/2013 15:00	1.5	PLAN	EQUIP	BOPS	Pull wear bushing.
9/17/2013 15:00	9/17/2013 16:00	1	PROD-CASE	RUN PRODUCTION CASING	CASE	Change out bails & elevators, Rig up casing crew, CRT & Torque turn.
9/17/2013 16:00	9/17/2013 18:00	2	PROD-CASE	RUN PRODUCTION CASING	CASE	Hold safety mtg, Make up reaming shoe & run in hole with 1 joint of 5 1/2 20# ppf P-110 TXP BTC production casing.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/17/2013 18:00	9/18/2013 06:00	12	PROD-CASE	RUN PRODUCTION CASING	CASE	Finish making up shoe track, Test same, RIH with 205 jts of 5 1/2 20# ppf P-110 TXP BTC production casing F/41' T/8,638' filling every 30 jts. Make up torque @ 12,520 ft.lbs. on each joint monitoring with torque turn. Thread rep on location. Found 2 jts to have bad threads while still on racks.

Report #: 51 Daily Operation: 9/18/2013 06:00 - 9/19/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027310
Days From Spud (days) 46	Days on Location (days) 51	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 10,915.8	Dens Last Mud (lb/gal) 12.90	Rig PATTERSON - UTI, 220	

Operations Summary

Run casing F/8,638' T/9,962', Circ @ shoe, Run casing F/9,962' T/11,450', Circ., Run casing F/11,450' T/18,462, Circ while rigging down casing crew, R/U cementers & cement.

Remarks

Rig moved started: 7:00 A.M. 7-30-2013
Accepted rig to drill: @1800, 8/3/2013
Total rig move: 4.5 Days

Contacted: TRRC

8-3-13 @ 0730 am Operator 25 Linda

Surface csg and cmt

8-3-13 @ 0730 am Operator 25 Linda

Intermediate-

8-18-13 10:30 am Operator 5 Brenda

Production-

9-16-13 10:05 am Stefanie and no operator number.

Job # 10532

Spud Surface: @1000 8/4/2013

TD Surface: @0930 8/5/2013

TD Intermediate: @1630 8/17/2013

Test BOP: 8-28-2013

Landed Curve: @ 1600 on 8/28/2013

TD Lateral: @ 18:30 on 9/12/2013

Days Since Spud: 46 Days

Rig released @: xxx

Days Rig Downtime: 0.0 Hrs

Total Rig Downtime: 43 Hrs.

Landed Cuve @ MD-11,181', TVD-10,778', 2' low & 43' right.

Final Projection @ 13.4' Below 65' Right of Plan.

2,362' North of the South Hardline, 815' Left of the hard line.

100%shale, @ 18,483'

Total mud lost to well-

Total OBM lost to well- 702

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/18/2013 06:00	9/18/2013 08:30	2.5	PROD-CASE	RUN PRODUCTION CASING	CASE	RIH, 237 total jts of 5 1/2 20# ppf P-110 TXP BTC production casing F/8,638' to 9,962' filling every 30 jts. Make up torque @ 12,520 ft.lbs. on each joint monitoring with torque turn. Thread rep on location.
9/18/2013 08:30	9/18/2013 09:30	1	PROD-CIRC	CIRCULATE	CIRC	Circ & Condition mud @ casing shoe before entering open hole.
9/18/2013 09:30	9/18/2013 12:00	2.5	PROD-CASE	RUN PRODUCTION CASING	CASE	RIH, 265 total jts of 5 1/2 20# ppf P-110 TXP BTC production casing F/9,962' to 11,450' filling every 30 jts. Make up torque @ 12,520 ft.lbs. on each joint monitoring with torque turn. Thread rep on location. Saw no excess drag going though the curve.
9/18/2013 12:00	9/18/2013 12:30	0.5	PROD-CIRC	CIRCULATE	CIRC	Attempted to circ & condition, losing approx. 30% of mud at this point, shut down pumps.
9/18/2013 12:30	9/18/2013 18:00	5.5	PROD-CASE	RUN PRODUCTION CASING	CASE	RIH, 364 total jts of 5 1/2 20# ppf P-110 TXP BTC production casing F/11,450' to 15,350' filling every 30 jts. Make up torque @ 12,520 ft.lbs. on each joint monitoring with torque turn. Thread rep on location. Saw no excess drag going though this section of the lateral.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/18/2013 18:00	9/19/2013 00:30	6.5	PROD-CASE	RUN PRODUCTION CASING	CASE	RIH, 438 & 2 marker jts of 5 1/2 20# ppf P-110 TXP BTC production casing F/15,350' to 18,462' filling every 30 jts. Make up torque @ 12,520 ft.lbs. on each joint monitoring with torque turn. Thread rep on location. Saw no excess drag going through this section of the lateral. Total jts ran = 438 full joints & 2 Marker joints Total left out of hole = 75 full joints & 1 marker joint. Weight set on mandrel- With blocks = 176,000#, Without blocks = 126,000#. Seaboard hand on location pulled lock pin & verified landing of mandrel in well head.
9/19/2013 00:30	9/19/2013 01:30	1	PROD-CIRC	CIRCULATE	CIRC	Circulate @ 18,462' with full returns. Circulate with CRT while rigging down torque turn & casing crew.
9/19/2013 01:30	9/19/2013 02:00	0.5	PROD-CASE	RUN PRODUCTION CASING	CASE	Rig down CRT & rig up to circulate with rig pumps.
9/19/2013 02:00	9/19/2013 03:30	1.5	PROD-CIRC	CIRCULATE	CIRC	Finish circulating with rig pumps @ 5 bbls per min.W/ full returns, Hold safety mtg W/ Schlumberger, Patterson-UTI & Company rep while circulating.
9/19/2013 03:30	9/19/2013 06:00	2.5	PROD-CMT	CEMENT PRODUCTION CASTING	CMT	R/U Schlumberger & test lines to 4,000 psi Cement W/ Schlumberger. Full Returns while pumping cement. Pumped: 80 BBLS 12.9 ppg Mud Push 781.4 BBLS Tail @ 13.0 Total sacks of Cement-3100 sx

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 52 Daily Operation: 9/19/2013 06:00 - 9/20/2013 06:00

Job Category ORIG DRILLING				Primary Job Type ODR		AFE Number 027310
Days From Spud (days) 47	Days on Location (days) 52	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 10,915.8	Dens Last Mud (lb/gal) 12.90	Rig PATTERSON - UTI, 220	

Operations Summary

Cement, Install pack off, Nipple down BOP, Nipple up tubing head, Test pack off, Test failed, Nipple down tubing head, Reset pack off, Nipple up tubing head, Lay down 28 stands of drill pipe while cleaning rig & working on tubing head pack off.

Remarks

Rig moved started: 7:00 A.M. 7-30-2013

Accepted rig to drill: @1800, 8/3/2013

Total rig move: 4.5 Days

Contacted: TRRC

8-3-13 @ 0730 am Operator 25 Linda

Surface csg and cmt

8-3-13 @ 0730 am Operator 25 Linda

Intermediate-

8-18-13 10:30 am Operator 5 Brenda

Production-

9-16-13 10:05 am Stefanie and no operator number.

Job # 10532

Spud Surface: @1000 8/4/2013

TD Surface: @0930 8/5/2013

TD Intermediate: @1630 8/17/2013

Test BOP: 8-28-2013

Landed Curve: @ 1600 on 8/28/2013

TD Lateral: @ 18:30 on 9/12/2013

Days Since Spud: 47 Days

Rig released @: xxx

Days Rig Downtime: 0.0 Hrs

Total Rig Downtime: 43 Hrs.

Landed Cuve @ MD-11,181', TVD-10,778', 2' low & 43' right.

Final Projection @ 13.4' Below 65' Right of Plan.

2,362' North of the South Hardline, 815' Left of the hard line.

100%shale, @ 18,483'

Total mud lost to well-

Total OBM lost to well- 1247

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/19/2013 06:00	9/19/2013 09:30	3.5	PROD-CMT	CEMENT PRODUCTION CASTING	CMT	Continue Cement W/ Schlumberger. Full Returns while pumping cement. Pumped: 80 BBLS 12.9 ppg Mud Push 781.4 BBLS Tail @ 13.0 Total sacks of Cement-3100 sx Dropped plug @ 08:00 hrs & started displacement, With 120 bbls of displacement water pumped lost returns, adjusted rate from 5.5 BPM to 2.5 BPM trying to regain circ with no success, increased pump rate back to 5.5 BPM & continue to displace cement, after 380 bbls of displacement was pumped Schlumberger pump truck ran out of fuel and shut off. Pressure at time of shut down was 3999 psi
9/19/2013 09:30	9/19/2013 10:30	1	UNPLAN	EQUIP	U_CMT	R/U and put diesel fuel into the Schlumberger pump unit and made several attempts to start engine before getting it to start (unit back running at 10:20 am) During this time made phone call to superintendent and informed his of the problem. At this time we only had OBM in the rig mud tanks, had derrickman start putting water into slug tank. At this time pressures were to high to utilize rig pumps due to being at max pressures for pumps, Pressure increased on pump truck gauge from 3999 to 4750 psi.
9/19/2013 10:30	9/19/2013 11:00	0.5	UNPLAN	EQUIP	U_CMT	Attempted to resume displacement, pressure increased from 4750 psi to 5364 psi, shut down due to high pressure, R/D cement head & R/U cement swedge. At this time we were past the set time for the cement.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/19/2013 11:00	9/19/2013 15:00	4	UNPLAN	EQUIP	U_CMT	Bled pressure down to 2000 psi and held for 4 hrs. During this time pressure increased from 2000 to 2800 psi.
9/19/2013 15:00	9/19/2013 17:30	2.5	PROD-NU/TEST	NIPPLE UP/TEST	NU/TEST	R/D cement head, pulled landing joint and installed pack off on mandrel hanger and lock down & remove land jt.
9/19/2013 17:30	9/19/2013 18:00	0.5	PROD-NU/TEST	NIPPLE UP/TEST	NU/TEST	Start N/D of BOP's
9/19/2013 18:00	9/19/2013 19:30	1.5	SURF-NU/TEST-SURF	NIPPLE UP/TEST	NU/TEST	Nipple down BOP & Lay down same with BOP wrangler. Cleaning pits during this time.
9/19/2013 19:30	9/20/2013 04:00	8.5	SURF-NU/TEST-SURF	NIPPLE UP/TEST	NU/TEST	Nipple up tubing head & torque to specs with Monahans Nipple up Service, Test Tubing head & pack off to 5,000 psi. Tested primary and secondary seals, tested good, Went to move on to pack off test and noticed a couple of lockpins that were not screwed in the correct amount, At 9:40 P.M. Seaboard employee began working on lock pins and found that the pack off was not in well head correctly. Seaboard employee then tried to back all lock pins out and try to get pack off set right, was unable to do so. We then had to nipple down tubing head to realign pack off, Nippled tubing head back up. At 12:00 A.M. we tested primary & secondary seals again, Test was good, Started to test pack off and seen that three lock pins were leaking, We tried to tighten the lock pins & retest, Test failed. Seaboard then called in to office to get new lock pins (did not bring out full set). Lock pins on location @ 0230, Put new lock pins in well head, Tested pack off, test failed, Seaboard employee went back to shop to bring out a full set of lock pins. Left location @ 3:45. (Started laying down drill pipe from derrick @12:00 A.M. Total stands laid down- 20 stands Total stands remaining in derrick- 69 stands Cleaning pits during ths time, Finished cleaning inside of pits @ 2330.)
9/20/2013 04:00	9/20/2013 06:00	2	PROD-TRIP	TRIP	TRIP	Lay down 8 stds from derrick, 61 stand left to lay down.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 53 Daily Operation: 9/20/2013 06:00 - 9/21/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027310
Days From Spud (days) 48	Days on Location (days) 53	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 10,915.8	Dens Last Mud (lb/gal) 12.90	Rig PATTERSON - UTI, 220	

Operations Summary

Lay down 61 stand from derrick while testing tubing head, Good test to 5,000 p.s.i. Wash rig while preparing to move to the Scharbauer Ranch #203H, Replace hydraulic raising cylinder on off side substructure, Found Leak on new cylinder & start taking it back out of sub. Rig released @ 6:00 A.M. on 9-21-2013.

Remarks

Rig moved started:7:00 A.M. 7-30-2013

Accepted rig to drill: @1800, 8/3/2013

Total rig move: 4.5 Days

Contacted: TRRC

8-3-13 @ 0730 am Operator 25 Linda

Surface csg and cmt

8-3-13 @ 0730 am Operator 25 Linda

Intermediate-

8-18-13 10:30 am Operator 5 Brenda

Production-

9-16-13 10:05 am Stefanie and no operator number.

Job # 10532

Spud Surface: @1000 8/4/2013

TD Surface: @0930 8/5/2013

TD Intermediate:@1630 8/17/2013

Test BOP: 8-28-2013

Landed Curve: @ 1600 on 8/28/2013

TD Lateral: @ 18:30 on 9/12/2013

Days Since Spud: 48 Days

Rig released @: 6:00 A.M. on 9-21-2013

Days Rig Downtime: 0.0 Hrs

Total Rig Downtime: 43 Hrs.

Landed Cuve @ MD-11,181', TVD-10,778', 2' low & 43' right.

Final Projection @ 13.4' Below 65' Right of Plan.

2,362' North of the South Hardline, 815' Left of the hard line.

100%shale, @ 18,483'

Total mud lost to well-

Total OBM lost to well- 1247

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/20/2013 06:00	9/20/2013 12:30	6.5	PROD-TRIP	TRIP	TRIP	Lay down 61 stand of drill pipe out of derrick. Pack off and tubing head were succesfully tested to 5,000 p.s.i. during this time.
9/20/2013 12:30	9/20/2013 18:00	5.5	MOBILIZATION	RDMO	RDMO	Continue washing rig floor and substructure while preparing rig to move. Moved drill pipe, collars & other small misc. items to Scharbauer Ranch #203H.
9/20/2013 18:00	9/21/2013 06:00	12	MOBILIZATION	RDMO	RDMO	Continue washing rig floor and substructure while preparing rig to move, Changed out hydraulic cylinder for raising and lowering substructure on the off side sub Due to seals leaking, While putting pins in new hydraulic cylinder Technicians noticed that the seals were leaking on this one as well, Started makeing phone calls to locate another cylinder.

Report #: 1 Daily Operation: 9/26/2013 06:00 - 9/26/2013 18:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027453
Days From Spud (days) 53	Days on Location (days) 1	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 0.0	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 27	

Operations Summary

Miru pnr rig 27

Remarks

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/26/2013 06:00	9/26/2013 18:00	12	PROD1	WORK	CLNOUT	Rode rig to location. Miru pnr rig 27. nipple up bop. Unload and rack ph-6 tubing from trucks. Pick up baker hughes tools rih on 30 jts tbg. Sdon

Report #: 2 Daily Operation: 9/27/2013 06:00 - 9/27/2013 18:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027453
Days From Spud (days) 54	Days on Location (days) 1	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 0.0	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 27	
Operations Summary Rih/w baker tools on ph-6 tbg 259 jts 2 3/8 and 142 , 2 7/8 total in hole						
Remarks						

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/27/2013 06:00	9/27/2013 18:00	12	PROD1	WORK	CLNOUT	Crew to location. Continue rih/w baker tools on ph-6 tbg 259 jts 2 3/8 and 142 , 2 7/8 total in hole. Sdon

Report #: 3 Daily Operation: 9/28/2013 06:00 - 9/28/2013 18:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027453
Days From Spud (days) 55	Days on Location (days) 2	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 0.0	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 27	
Operations Summary D/O to 16,858'.						
Remarks						

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/28/2013 06:00	9/28/2013 18:00	12	PROD1	WORK	CLNOUT	Continue rih/w baker tools, tag cement @ 16,574', 542 jts in hole. Rig up strpper, swivel. Break cir drill out to 16,858'. 10 jts. Cir bottoms up. Sdon

Report #: 4 Daily Operation: 9/29/2013 06:00 - 9/29/2013 18:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027453
Days From Spud (days) 56	Days on Location (days) 2	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 0.0	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 27	
Operations Summary D/O CMT TO 17477'						
Remarks						

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/29/2013 06:00	9/29/2013 18:00	12	PROD1	WORK	CLNOUT	CREW TO LOCATION, R/U SWIVEL, BREAK CIRC, CONT D/O CMT FROM 16858' TO 17477' 20 JTS, CIRC BTMS UP, SDON

Report #: 5 Daily Operation: 9/30/2013 06:00 - 9/30/2013 18:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027453
Days From Spud (days) 57	Days on Location (days) 3	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 0.0	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 27	
Operations Summary DRILL OUT CEMENT 17477' TO PBTD 18375'.						
Remarks						

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/30/2013 06:00	9/30/2013 18:00	12	PROD1	WORK	CLNOUT	DROVE CREW TO LOCATION CONTINUE TO DRILL OUT CEMENT 17477' TO PBTD. 18375' CIR. WELL CLEAN LD 10 JTS. SECURE WELL FOR THE NIGHT.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 6 Daily Operation: 10/1/2013 06:00 - 10/1/2013 18:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027453
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
58	3	18,483.0	0.0		PIONEER WELL SERVICE, 27	

Operations Summary
PU. 4 5/8" BIT W/ 5 1/2" CASING SCRAPER RIH W/ 319 JTS.

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/1/2013 06:00	10/1/2013 18:00	12	PROD1	WORK	CLNOUT	DROVE CREW TO LOCATION P.O.O.H.W/REST OF TBG. LD BAKER DOWN HOLE MOTOR & PU. 4 5/8" BIT W/ 5 1/2" CASING SCRAPER RIH W/ 319 JTS. SECURE THE WELL

Report #: 7 Daily Operation: 10/2/2013 06:00 - 10/2/2013 18:00

Job Category ORIG COMPLETION				Primary Job Type OCM			AFE Number 027453	
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig			
59	4	18,483.0	0.0		PIONEER WELL SERVICE, 27			

Operations Summary
RIH TO 18375', RU PUMP TRK.

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/2/2013 06:00	10/2/2013 18:00	12	PROD1	WORK	CLNOUT	DROVE CREW TO LOCATION FINISH RIH TO 18375' RU PUMP TRK. PUMP D- LIMONENE, 10 BBL. KCL WENT TO ACID, GEL & DISP. W/2 % KCL. SPOTTED 500 GALS 10 ACETIC ACID DIP. 2 % KCL. RD. TRUCK & P.O.O.H. LD. 150 JTS. TBG.

Report #: 8 Daily Operation: 10/2/2013 18:00 - 10/3/2013 18:00

Job Category ORIG COMPLETION				Primary Job Type OCM			AFE Number 027453
Days From Spud (days) 60	Days on Location (days) 4	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 0.0	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 27		

Operations Summary

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com

Report #: 9 Daily Operation: 10/3/2013 06:00 - 10/3/2013 18:00

Job Category ORIG COMPLETION				Primary Job Type OCM			AFE Number 027453	
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig			
60	4	18,483.0	0.0		PIONEER WELL SERVICE, 27			

Operations Summary
RU PUMP TRK.

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/3/2013 06:00	10/3/2013 18:00	12	PROD1	WORK	CLNOUT	DROVE CREW TO LOCATION OPENED WELL LD. 54 JTS. 2 7/8" PH-6 TBG. RU PUMP TRK. FINISH PUMPING 24 BBLs. D -LIMONENE, GEL & CORR. INHIB. CIR WELL CLEAN W/ 2 % KCL. LD. SIVEL P.O.O.H. LD. 120 2 7/8" TBG 120 JTS. 2 3/8" TBG. CHANGE BOP. RAMS SECURE WELL FOR THE NIGHT.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 10 Daily Operation: 10/4/2013 06:00 - 10/4/2013 18:00

Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 027453
Days From Spud (days) 61	Days on Location (days) 5	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 0.0	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 27	

Operations Summary
ND BOP, NU FRAC VALVE, TEST TO 10000#, GOOD TEST, BLED DN, CLOSED FRAC VALVE, RD CLEANED LOCATION, MOVED TO NEXT WELL.

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/4/2013 06:00	10/4/2013 18:00	12	PROD1	WORK	CLNOUT	CREW TO LOCATION P.O.O.H. REST TBG LD. ND. B.O.P. NU FRAC. VALVE TEST TO 10000# GOOD TEST BLED DN CLOSED FRAC VALVE . RD. CLEANED LOCATION MOVED TO NEXT WELL.

Report #: 11 Daily Operation: 10/8/2013 07:00 - 10/14/2013 01:22

Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 027453
Days From Spud (days) 71	Days on Location (days) 10	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 0.0	Dens Last Mud (lb/gal)	Rig E & P WIRELINE, <rigno>	

Operations Summary
Frac Stages 1-31

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/8/2013 07:00	10/8/2013 07:15	0.25	STIM	FRAC	PRIME	
10/8/2013 07:15	10/8/2013 08:16	1.01 7	STIM	FRAC	TEST	
10/8/2013 08:16	10/8/2013 10:46	2.5	STIM	FRAC	STIM	Stage 1 Lost d-ring on 1 pump.
10/8/2013 10:46	10/8/2013 10:58	0.2	STIM	WIRELINE	RULUB	
10/8/2013 10:58	10/8/2013 12:01	1.05	STIM	WIRELINE	WLRUND N	
10/8/2013 12:01	10/8/2013 12:20	0.31 7	STIM	WIRELINE	PLUGPE RF	Not sure if plug set will come out logging and then go back in to set plug.
10/8/2013 12:20	10/8/2013 14:06	1.76 7	STIM	WIRELINE	WLRUNU P	
10/8/2013 14:06	10/8/2013 14:11	0.08 3	STIM	WIRELINE	RDLUB	
10/8/2013 14:11	10/8/2013 14:33	0.36 7	STIM	WIRELINE	RULUB	
10/8/2013 14:33	10/8/2013 15:40	1.11 7	STIM	WIRELINE	WLRUND N	
10/8/2013 15:40	10/8/2013 15:44	0.06 7	STIM	WIRELINE	PLUGPE RF	Set Plug at 18,150'
10/8/2013 15:44	10/8/2013 16:23	0.65	STIM	WIRELINE	WLRUNU P	
10/8/2013 16:23	10/8/2013 16:26	0.05	STIM	WIRELINE	RDLUB	
10/8/2013 16:26	10/8/2013 16:49	0.38 5	STIM	FRAC	TEST	
10/8/2013 16:49	10/8/2013 19:00	2.18 3	STIM	FRAC	STIM	Stage 2
10/8/2013 19:00	10/8/2013 19:07	0.11 7	STIM	WIRELINE	RULUB	
10/8/2013 19:07	10/8/2013 20:54	1.78 3	STIM	WIRELINE	WLRUND N	
10/8/2013 20:54	10/8/2013 21:00	0.1	STIM	WIRELINE	PLUGPE RF	Plug set @17914
10/8/2013 21:00	10/8/2013 22:23	1.38 3	STIM	WIRELINE	WLRUNU P	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/8/2013 22:23	10/8/2013 22:30	0.12 5	STIM	WIRELINE	RDLUB	
10/8/2013 22:30	10/8/2013 22:39	0.15 5	STIM	FRAC	PRIME	
10/8/2013 22:39	10/9/2013 00:17	1.63 3	STIM	FRAC	STIM	Stage 3
10/9/2013 00:17	10/9/2013 00:23	0.1	STIM	WIRELINE	RULUB	
10/9/2013 00:23	10/9/2013 01:07	0.73 3	STIM	WIRELINE	WLRUND N	
10/9/2013 01:07	10/9/2013 01:09	0.03 3	STIM	WIRELINE	PLUGPE RF	Plug set @17670
10/9/2013 01:09	10/9/2013 01:58	0.81 7	STIM	WIRELINE	WLRUNU P	
10/9/2013 01:58	10/9/2013 02:04	0.1	STIM	WIRELINE	RULUB	
10/9/2013 02:04	10/9/2013 03:59	1.91 7	STIM	FRAC	STIM	Stage 4
10/9/2013 03:59	10/9/2013 04:10	0.18 3	STIM	WIRELINE	RULUB	
10/9/2013 04:10	10/9/2013 05:18	1.13 3	STIM	WIRELINE	RDLUB	
10/9/2013 05:18	10/9/2013 05:23	0.08 3	STIM	WIRELINE	RULUB	
10/9/2013 05:23	10/9/2013 06:28	1.08 3	STIM	WIRELINE	WLRUND N	
10/9/2013 06:28	10/9/2013 06:30	0.03 3	STIM	WIRELINE	PLUGPE RF	Plug set at 17,440'
10/9/2013 06:30	10/9/2013 07:10	0.66 7	STIM	WIRELINE	WLRUNU P	
10/9/2013 07:10	10/9/2013 07:13	0.05	STIM	WIRELINE	RDLUB	
10/9/2013 07:13	10/9/2013 07:32	0.31 7	STIM	FRAC	TEST	
10/9/2013 07:32	10/9/2013 09:35	2.05	STIM	FRAC	STIM	Stage 5
10/9/2013 09:35	10/9/2013 09:46	0.18 3	STIM	WIRELINE	RULUB	
10/9/2013 09:46	10/9/2013 10:47	1.01 7	STIM	WIRELINE	WLRUND N	
10/9/2013 10:47	10/9/2013 10:51	0.06 7	STIM	WIRELINE	PLUGPE RF	Plug set at 17,194'
10/9/2013 10:51	10/9/2013 11:24	0.55	STIM	WIRELINE	WLRUNU P	
10/9/2013 11:24	10/9/2013 11:28	0.06 7	STIM	WIRELINE	RDLUB	
10/9/2013 11:28	10/9/2013 11:40	0.2	STIM	FRAC	TEST	
10/9/2013 11:40	10/9/2013 13:50	2.16 7	STIM	FRAC	STIM	Stage 6
10/9/2013 13:50	10/9/2013 14:23	0.55	STIM	WIRELINE	RULUB	
10/9/2013 14:23	10/9/2013 15:21	0.96 7	STIM	WIRELINE	WLRUND N	
10/9/2013 15:21	10/9/2013 15:24	0.05	STIM	WIRELINE	PLUGPE RF	Plug set at 16,954'
10/9/2013 15:24	10/9/2013 16:00	0.6	STIM	WIRELINE	WLRUNU P	
10/9/2013 16:00	10/9/2013 16:10	0.16 7	STIM	WIRELINE	RDLUB	Had four loads hauled out of prime up tanks in between these stages.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/9/2013 16:10	10/9/2013 16:18	0.13 3	STIM	FRAC	TEST	
10/9/2013 16:18	10/9/2013 18:29	2.18 3	STIM	FRAC	STIM	Stage 7
10/9/2013 18:29	10/9/2013 19:00	0.51 7	STIM	WIRELINE	RULUB	
10/9/2013 19:00	10/9/2013 19:42	0.7	STIM	WIRELINE	WLRUND N	
10/9/2013 19:42	10/9/2013 19:46	0.06 7	STIM	WIRELINE	PLUGPE RF	Plug set @16720
10/9/2013 19:46	10/9/2013 20:24	0.61 7	STIM	WIRELINE	WLRUNU P	
10/9/2013 20:24	10/9/2013 20:39	0.26 5	STIM	WIRELINE	RDLUB	
10/9/2013 20:39	10/9/2013 22:41	2.03 3	STIM	FRAC	STIM	Stage 8
10/9/2013 22:41	10/9/2013 22:45	0.06 7	STIM	WIRELINE	RULUB	
10/9/2013 22:45	10/9/2013 23:33	0.8	STIM	WIRELINE	WLRUND N	
10/9/2013 23:33	10/9/2013 23:36	0.05	STIM	WIRELINE	PLUGPE RF	Plug set @16474
10/9/2013 23:36	10/10/2013 00:06	0.5	STIM	WIRELINE	WLRUNU P	
10/10/2013 00:06	10/10/2013 00:12	0.1	STIM	WIRELINE	RDLUB	
10/10/2013 00:12	10/10/2013 02:23	2.18 3	STIM	FRAC	STIM	Stage 9
10/10/2013 02:23	10/10/2013 02:27	0.06 7	STIM	WIRELINE	RULUB	
10/10/2013 02:27	10/10/2013 03:24	0.95	STIM	WIRELINE	WLRUND N	
10/10/2013 03:24	10/10/2013 03:28	0.06 7	STIM	WIRELINE	PLUGPE RF	Plug set @16234
10/10/2013 03:28	10/10/2013 04:15	0.78 3	STIM	WIRELINE	WLRUNU P	
10/10/2013 04:15	10/10/2013 04:20	0.08 3	STIM	WIRELINE	RDLUB	
10/10/2013 04:20	10/10/2013 06:17	1.95	STIM	FRAC	STIM	Stage 10
10/10/2013 06:17	10/10/2013 06:23	0.1	STIM	WIRELINE	RULUB	
10/10/2013 06:23	10/10/2013 07:18	0.91 7	STIM	WIRELINE	WLRUND N	
10/10/2013 07:18	10/10/2013 07:21	0.05	STIM	WIRELINE	PLUGPE RF	Plug set at 16,000'
10/10/2013 07:21	10/10/2013 07:53	0.53 3	STIM	WIRELINE	WLRUNU P	
10/10/2013 07:53	10/10/2013 07:59	0.1	STIM	WIRELINE	RDLUB	
10/10/2013 07:59	10/10/2013 08:14	0.25	STIM	FRAC	PRIME	
10/10/2013 08:14	10/10/2013 10:32	2.3	STIM	FRAC	STIM	Stage 11
10/10/2013 10:32	10/10/2013 10:42	0.16 7	STIM	WIRELINE	RULUB	
10/10/2013 10:42	10/10/2013 11:37	0.91 7	STIM	WIRELINE	WLRUND N	
10/10/2013 11:37	10/10/2013 11:41	0.06 7	STIM	WIRELINE	PLUGPE RF	Plug set at 15,754'

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/10/2013 11:41	10/10/2013 11:55	0.23 3	STIM	WIRELINE	WLRUNUP	
10/10/2013 11:55	10/10/2013 12:07	0.2	STIM	WIRELINE	RDLUB	
10/10/2013 12:07	10/10/2013 13:07	1	STIM	FRAC	PRIME	
10/10/2013 13:07	10/10/2013 15:21	2.23 3	STIM	FRAC	STIM	Stage 12
10/10/2013 15:21	10/10/2013 15:33	0.2	STIM	WIRELINE	RULUB	
10/10/2013 15:33	10/10/2013 16:21	0.8	STIM	WIRELINE	WLRUNDN	
10/10/2013 16:21	10/10/2013 16:24	0.05	STIM	WIRELINE	PLUGPERF	Plug set at 15,514'
10/10/2013 16:24	10/10/2013 16:56	0.53 3	STIM	WIRELINE	WLRUNUP	
10/10/2013 16:56	10/10/2013 17:04	0.13 3	STIM	WIRELINE	RDLUB	
10/10/2013 17:04	10/10/2013 18:00	0.93 3	STIM	FRAC	PRIME	
10/10/2013 18:00	10/10/2013 20:11	2.18 3	STIM	FRAC	STIM	Stage 13
10/10/2013 20:11	10/10/2013 20:15	0.06 7	STIM	WIRELINE	RULUB	
10/10/2013 20:15	10/10/2013 21:04	0.81 7	STIM	WIRELINE	WLRUNDN	
10/10/2013 21:04	10/10/2013 21:07	0.05	STIM	WIRELINE	PLUGPERF	Plug set @15284
10/10/2013 21:07	10/10/2013 21:53	0.76 7	STIM	WIRELINE	WLRUNUP	
10/10/2013 21:53	10/10/2013 22:12	0.31 7	STIM	WIRELINE	RDLUB	
10/10/2013 22:12	10/11/2013 00:13	2.01 7	STIM	FRAC	STIM	Stage 14
10/11/2013 00:13	10/11/2013 00:16	0.05	STIM	WIRELINE	RULUB	
10/11/2013 00:16	10/11/2013 01:08	0.86 7	STIM	WIRELINE	WLRUNDN	
10/11/2013 01:08	10/11/2013 01:11	0.05	STIM	WIRELINE	PLUGPERF	Plug set @15034
10/11/2013 01:11	10/11/2013 01:52	0.68 3	STIM	WIRELINE	WLRUNUP	
10/11/2013 01:52	10/11/2013 01:57	0.08 3	STIM	WIRELINE	RDLUB	
10/11/2013 01:57	10/11/2013 04:35	2.63 3	STIM	FRAC	STIM	Stage 15
10/11/2013 04:35	10/11/2013 04:45	0.16 7	STIM	WIRELINE	RULUB	
10/11/2013 04:45	10/11/2013 05:27	0.7	STIM	WIRELINE	WLRUNDN	
10/11/2013 05:27	10/11/2013 05:30	0.05	STIM	WIRELINE	PLUGPERF	Plug @14794
10/11/2013 05:30	10/11/2013 06:01	0.51 7	STIM	WIRELINE	WLRUNUP	
10/11/2013 06:01	10/11/2013 06:06	0.08 3	STIM	WIRELINE	RDLUB	
10/11/2013 06:06	10/11/2013 08:11	2.08 3	STIM	FRAC	STIM	Stage 16
10/11/2013 08:11	10/11/2013 08:16	0.08 3	STIM	WIRELINE	RULUB	9 PPS employees on day shift

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/11/2013 08:16	10/11/2013 09:19	1.057	STIM	WIRELINE	WLRUND N	
10/11/2013 09:19	10/11/2013 09:23	0.067	STIM	WIRELINE	PLUGPE RF	14,570' Plug
10/11/2013 09:23	10/11/2013 09:51	0.467	STIM	WIRELINE	WLRUNU P	
10/11/2013 09:51	10/11/2013 09:57	0.1	STIM	WIRELINE	RDLUB	
10/11/2013 09:57	10/11/2013 10:33	0.6	STIM	FRAC	PRIME	
10/11/2013 10:33	10/11/2013 10:40	0.117	STIM	FRAC	TEST	
10/11/2013 10:40	10/11/2013 12:36	1.933	STIM	FRAC	STIM	Stage 17
10/11/2013 12:36	10/11/2013 12:45	0.15	STIM	WIRELINE	RULUB	
10/11/2013 12:45	10/11/2013 13:29	0.733	STIM	WIRELINE	WLRUND N	
10/11/2013 13:29	10/11/2013 13:33	0.067	STIM	WIRELINE	PLUGPE RF	14,324' plug
10/11/2013 13:33	10/11/2013 13:58	0.417	STIM	WIRELINE	WLRUNU P	
10/11/2013 13:58	10/11/2013 14:04	0.1	STIM	WIRELINE	RDLUB	
10/11/2013 14:04	10/11/2013 14:24	0.333	STIM	FRAC	PRIME	
10/11/2013 14:24	10/11/2013 14:33	0.15	STIM	FRAC	TEST	
10/11/2013 14:33	10/11/2013 16:28	1.917	STIM	FRAC	STIM	stage 18
10/11/2013 16:28	10/11/2013 16:44	0.267	STIM	WIRELINE	RULUB	
10/11/2013 16:44	10/11/2013 17:27	0.717	STIM	WIRELINE	WLRUND N	
10/11/2013 17:27	10/11/2013 17:32	0.083	STIM	WIRELINE	PLUGPE RF	14,074'
10/11/2013 17:32	10/11/2013 17:54	0.367	STIM	WIRELINE	WLRUNU P	
10/11/2013 17:54	10/11/2013 18:02	0.133	STIM	WIRELINE	RDLUB	
10/11/2013 18:02	10/12/2013 00:10	6.133	STIM	FRAC	STIM	Stage 19
10/12/2013 00:10	10/12/2013 00:15	0.083	STIM	WIRELINE	RULUB	
10/12/2013 00:15	10/12/2013 00:47	0.533	STIM	WIRELINE	WLRUND N	
10/12/2013 00:47	10/12/2013 00:49	0.033	STIM	WIRELINE	PLUGPE RF	Plug set @13834
10/12/2013 00:49	10/12/2013 01:52	1.057	STIM	WIRELINE	WLRUNU P	
10/12/2013 01:52	10/12/2013 01:56	0.067	STIM	WIRELINE	RDLUB	
10/12/2013 01:56	10/12/2013 03:50	1.9	STIM	FRAC	STIM	Stage 20
10/12/2013 03:50	10/12/2013 03:55	0.083	STIM	WIRELINE	RDLUB	
10/12/2013 03:55	10/12/2013 04:38	0.717	STIM	WIRELINE	WLRUND N	
10/12/2013 04:38	10/12/2013 04:40	0.033	STIM	WIRELINE	PLUGPE RF	Plug set @13594

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/12/2013 04:40	10/12/2013 05:10	0.5	STIM	WIRELINE	WLRUNUP	
10/12/2013 05:10	10/12/2013 05:15	0.083	STIM	WIRELINE	RDLUB	
10/12/2013 05:15	10/12/2013 07:22	2.117	STIM	FRAC	STIM	Stage 21 Eight PPS employees on location
10/12/2013 07:22	10/12/2013 07:34	0.2	STIM	WIRELINE	RULUB	
10/12/2013 07:34	10/12/2013 08:18	0.733	STIM	WIRELINE	WLRUNDN	
10/12/2013 08:18	10/12/2013 08:21	0.05	STIM	WIRELINE	PLUGPERF	13,364'
10/12/2013 08:21	10/12/2013 08:44	0.383	STIM	WIRELINE	WLRUNUP	
10/12/2013 08:44	10/12/2013 08:49	0.083	STIM	WIRELINE	RDLUB	
10/12/2013 08:49	10/12/2013 09:14	0.417	STIM	FRAC	PRIME	
10/12/2013 09:14	10/12/2013 11:11	1.95	STIM	FRAC	STIM	Stage 22
10/12/2013 11:11	10/12/2013 11:22	0.183	STIM	WIRELINE	RULUB	
10/12/2013 11:22	10/12/2013 12:03	0.683	STIM	WIRELINE	WLRUNDN	
10/12/2013 12:03	10/12/2013 12:08	0.083	STIM	WIRELINE	PLUGPERF	13,114' Pl.ug
10/12/2013 12:08	10/12/2013 12:28	0.333	STIM	WIRELINE	WLRUNUP	
10/12/2013 12:28	10/12/2013 12:35	0.117	STIM	WIRELINE	RDLUB	
10/12/2013 12:35	10/12/2013 17:26	4.85	STIM	FRAC	STIM	Stage 23
10/12/2013 17:26	10/12/2013 17:38	0.2	STIM	WIRELINE	RULUB	
10/12/2013 17:38	10/12/2013 18:16	0.633	STIM	WIRELINE	WLRUNDN	
10/12/2013 18:16	10/12/2013 18:18	0.033	STIM	WIRELINE	PLUGPERF	Plug set @12874
10/12/2013 18:18	10/12/2013 18:20	0.033	STIM	WIRELINE	WLRUNUP	
10/12/2013 18:20	10/12/2013 18:25	0.083	STIM	WIRELINE	RDLUB	
10/12/2013 18:25	10/12/2013 21:33	3.133	STIM	FRAC	STIM	Stage 24
10/12/2013 21:33	10/12/2013 21:45	0.2	STIM	WIRELINE	RULUB	
10/12/2013 21:45	10/12/2013 22:25	0.667	STIM	WIRELINE	WLRUNDN	
10/12/2013 22:25	10/12/2013 22:27	0.033	STIM	WIRELINE	PLUGPERF	Plug set @12634
10/12/2013 22:27	10/12/2013 23:02	0.583	STIM	WIRELINE	WLRUNUP	
10/12/2013 23:02	10/12/2013 23:05	0.05	STIM	WIRELINE	RDLUB	
10/12/2013 23:05	10/13/2013 02:06	3.017	STIM	FRAC	STIM	Stage 25
10/13/2013 02:06	10/13/2013 02:10	0.067	STIM	WIRELINE	RULUB	
10/13/2013 02:10	10/13/2013 02:54	0.733	STIM	WIRELINE	WLRUNDN	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/13/2013 02:54	10/13/2013 02:57	0.05	STIM	WIRELINE	PLUGPERF	Plug set @12394
10/13/2013 02:57	10/13/2013 03:20	0.38 3	STIM	WIRELINE	WLRUNUP	
10/13/2013 03:20	10/13/2013 03:24	0.06 7	STIM	WIRELINE	RDLUB	
10/13/2013 03:24	10/13/2013 05:37	2.21 7	STIM	FRAC	STIM	Stage26
10/13/2013 05:37	10/13/2013 05:42	0.08 3	STIM	WIRELINE	RULUB	
10/13/2013 05:42	10/13/2013 06:29	0.78 3	STIM	WIRELINE	WLRUNDN	Nine PPS employees on day shift
10/13/2013 06:29	10/13/2013 06:32	0.05	STIM	WIRELINE	PLUGPERF	12,150' plug
10/13/2013 06:32	10/13/2013 06:51	0.31 7	STIM	WIRELINE	WLRUNUP	
10/13/2013 06:51	10/13/2013 06:55	0.06 7	STIM	WIRELINE	RDLUB	
10/13/2013 06:55	10/13/2013 07:41	0.76 7	STIM	FRAC	PRIME	
10/13/2013 07:41	10/13/2013 09:44	2.05	STIM	FRAC	STIM	Stage 27
10/13/2013 09:44	10/13/2013 09:51	0.11 7	STIM	WIRELINE	RULUB	
10/13/2013 09:51	10/13/2013 10:35	0.73 3	STIM	WIRELINE	WLRUNDN	
10/13/2013 10:35	10/13/2013 10:38	0.05	STIM	WIRELINE	PLUGPERF	11,914' plug
10/13/2013 10:38	10/13/2013 10:57	0.31 7	STIM	WIRELINE	WLRUNUP	
10/13/2013 10:57	10/13/2013 11:01	0.06 7	STIM	WIRELINE	RDLUB	
10/13/2013 11:01	10/13/2013 11:23	0.36 7	STIM	FRAC	PRIME	
10/13/2013 11:23	10/13/2013 11:32	0.15	STIM	FRAC	TEST	
10/13/2013 11:32	10/13/2013 13:23	1.85	STIM	FRAC	STIM	Stage 28
10/13/2013 13:23	10/13/2013 13:30	0.11 7	STIM	WIRELINE	RULUB	
10/13/2013 13:30	10/13/2013 14:09	0.65	STIM	WIRELINE	WLRUNDN	
10/13/2013 14:09	10/13/2013 14:12	0.05	STIM	WIRELINE	PLUGPERF	11,674' plug
10/13/2013 14:12	10/13/2013 14:31	0.31 7	STIM	WIRELINE	WLRUNUP	
10/13/2013 14:31	10/13/2013 14:36	0.08 3	STIM	WIRELINE	RDLUB	
10/13/2013 14:36	10/13/2013 14:45	0.15	STIM	FRAC	PRIME	
10/13/2013 14:45	10/13/2013 16:26	1.68 3	STIM	FRAC	STIM	Stage 29
10/13/2013 16:26	10/13/2013 16:35	0.15	STIM	WIRELINE	RULUB	
10/13/2013 16:35	10/13/2013 17:16	0.68 3	STIM	WIRELINE	WLRUNDN	
10/13/2013 17:16	10/13/2013 17:19	0.05	STIM	WIRELINE	PLUGPERF	11,434' Plug
10/13/2013 17:19	10/13/2013 17:37	0.3	STIM	WIRELINE	WLRUNUP	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/13/2013 17:37	10/13/2013 17:41	0.067	STIM	WIRELINE	RDLUB	
10/13/2013 17:41	10/13/2013 19:45	2.067	STIM	FRAC	STIM	Stage 30
10/13/2013 19:45	10/13/2013 19:50	0.083	STIM	WIRELINE	RULUB	
10/13/2013 19:50	10/13/2013 20:37	0.783	STIM	WIRELINE	WLRUNDN	
10/13/2013 20:37	10/13/2013 20:42	0.083	STIM	WIRELINE	PLUGPERF	10960
10/13/2013 20:42	10/13/2013 21:11	0.483	STIM	WIRELINE	WLRUNUP	
10/13/2013 21:11	10/13/2013 21:16	0.083	STIM	WIRELINE	RDLUB	
10/13/2013 21:16	10/13/2013 23:26	2.167	STIM	FRAC	STIM	Stage 31
10/13/2013 23:26	10/13/2013 23:30	0.067	STIM	WIRELINE	RULUB	
10/13/2013 23:30	10/14/2013 00:01	0.517	STIM	WIRELINE	WLRUNDN	
10/14/2013 00:01	10/14/2013 00:04	0.05	STIM	WIRELINE	PLUGPERF	Plug @10710
10/14/2013 00:04	10/14/2013 00:33	0.483	STIM	WIRELINE	WLRUNUP	
10/14/2013 00:33	10/14/2013 00:51	0.3	STIM	WIRELINE	WLRUNDN	
10/14/2013 00:51	10/14/2013 00:53	0.033	STIM	WIRELINE	PLUGPERF	Plug @10565
10/14/2013 00:53	10/14/2013 01:17	0.4	STIM	WIRELINE	WLRUNUP	
10/14/2013 01:17	10/14/2013 01:22	0.083	STIM	WIRELINE	RDLUB	

Report #: 12 Daily Operation: 10/15/2013 06:00 - 10/15/2013 18:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027453
Days From Spud (days) 72	Days on Location (days) 11	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 0.0	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 19	
Operations Summary W/O WALLS FOR RIG RAMP.						
Remarks						

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/15/2013 06:00	10/15/2013 18:00	12	PROD1	WORK	CLNOUT	CREW TO LOCATION. W/O WALLS FOR RIG RAMP UNTILL 11:45 A.M. UNLOAD BOTH SETS RAMPS. PUT ONE SET ON SIDE OF LOCATION. BRING ONE SET TO WELLHEAD. N/D FRAC HEADER (GOAT HEAD) AND SET TO SIDE OF LOCATION. START TO NIPPLE DOWN SECOND FRAC VALVE AND FOUND FIRST ONE LEAKING. LEFT BOTH ON WELLHEAD. PICK UP AND MEASURE RAMP. RIG UP T&C AND DUG 4 HOLES FOR RAMP. RIG DOWN T&C AND SET RAMP WALL LEGS IN HOLES. M & P ROAD EQUIPMENT TO LOCATION TO DO DIRT WORK ON RAMP TOMORROW. SDFN.

Report #: 13 Daily Operation: 10/16/2013 06:00 - 10/16/2013 18:00

Job Category				Primary Job Type			AFE Number
ORIG COMPLETION				OCM			027453
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig		
73	11	18,483.0	0.0		PIONEER WELL SERVICE, 19		
Operations Summary							
RUPU							
Remarks							

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/16/2013 06:00	10/16/2013 18:00	12	PROD1	WORK	CLNOUT	CREW TO LOCATION. W/O ON UNIV LANDS TO GIVE PERMISSION TO GET CALICHE FROM THEIR PIT. M&P BUILD DIRT RAMP FROM 9:45 A.M. TO 3:45 P.M. MOVE OFF M&P EQUIPMENT. PUT PLASTIC ON RAMP. BACK UP PULLING UNIT ON RAMP AND SPOT RIG. RIG UP HOSE ON CASING VALVE AND BLOW DOWN TRAPPED PRS ON WELL. N/D FRAC VALVES. N/U CROSS. FOUND BOTTOM STUDS TO LONG AND COULD NOT GET WRENCHES ON TO TIGHTEN BOLTS. PULL CROSS OFF. N/U FRAC VALVES. RIG UP PULLING UNIT. SET OFF PIPE RACKS AND 1/2 TBG. SET TRIPLE TREE BOPS BY WELLHEAD. SET OFF 1/2 FRAC TANK. RAN POLY LINE FROM LOCATION TO SWD. AND AROUND LOCATION TO 1/2 FRAC. SDFN.

Report #: 14 Daily Operation: 10/17/2013 06:00 - 10/17/2013 18:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027453
Days From Spud (days) 74	Days on Location (days) 12	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 0.0	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 19	
Operations Summary RACK TBG, START RIH.						
Remarks						

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/17/2013 06:00	10/18/2013 06:00	24	PROD1	WORK	CLNOUT	CREW TO LOCATION. ND FRAC VALVE. CHANGE OUT STUDS ON CROSS AND INSTALL ON WELL HEAD. N/U TRIPLE TREE BOPS. SET PICKUP MACHINE. SET PIPE RACKS ON BOTH SIDES LAYDOWN MACHINE. RECEIVE AND RACK 2-3/8" AND 2-7/8" P-110 TBG. TALLEY FIRST ROW. RIG UP BAKER TOOLS. RIH W/ MILL AND MOTOR. PICK UP AND RIH W/ 116-JTS 2-3/8" P-110 OFF RACKS. RIG UP PUMP AND PUMP 13 BBLS KCL DOWN TBG. RIG DOWN PUMP. CONTINUE PICK UP TBG OFF RACKS AND RIH W/ TOTAL 240 JTS 2-3/8" TBG TO 7450' PUMP 28 MORE BBLS KCL DOWN TBG. RIG UP ALL TETRA FLOWBACK EQUIPMENT. HOOKUP WATER FLOW LINE UP TO SWD. SECURE WELL AND SDFN.

Report #: 15 Daily Operation: 10/18/2013 06:00 - 10/18/2013 18:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027453
Days From Spud (days) 75	Days on Location (days) 13	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 0.0	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 19	
Operations Summary HIT PRESSURE, C/N MAKE HOLE.						
Remarks						

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/18/2013 06:00	10/19/2013 06:00	24	PROD1	WORK	CLNOUT	CREW TO LOCATION. WELL HAD 0 PSI. CONTINUE IN HOLE RUNNING 2-3/8" TBG. RAN ALL 2-3/8" . PUT ON X-OVER AND PICK UP 1 JT 2-7/8" TBG. PUT ON 2ND "R" NIPPLE ON JT 240. CONTINUE PICK UP AND RIH W/ 2-7/8" TBG. TAG AT 9919'. RIG UP PUMP AND SWIVEL. PUSH AND DRILL OUT IN 45 MIN TO 10,042' AND HIT PRS. PRS TO 900 PSI FLOWING 3.5 BPM ON 38/64 CHOKE AND FELL TO 700 PSI W/ SAME RATE IN 5 MIN. COULD NOT MAKE HOLE AND START TRYING TO STICK. LAY DOWN 1 JT TO 10,010'. CIR 30 MIN AND PICK UP JT AND RAN BACK IN TO 10,042' AND WAS CLEAR. CIR 30 MIN. CONTINUE IN HOLE TO 10,103' AND STILL CLEAR. L/D SWIVEL AND CONTINUE IN HOLE. HAD 500 PSI. RIH TO PLUG # 3 AT 11,311. DO PLUG IN 34 MIN AND PUMP 10 BBLs SWEEP. CONTINUE IN HOLE ON 368 JTS AND TAG 4TH PLUG AT 11,405',PULL 1 JT AND PUMP 10 BBLs SWEEP AND PUMP FOR TOTAL 30 MIN. L/D SWIVEL. POOH W/ 22 STANDS TO 10,042' TO ABOVE CURVE. TETRA FLOW WELL AND MONITOR OVERNIGHT.

Report #: 16 Daily Operation: 10/19/2013 06:00 - 10/19/2013 18:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027453
Days From Spud (days) 76	Days on Location (days) 14	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 0.0	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 19	
Operations Summary RAISE FLOOR OF RIG, GET BOP READY TO MOVE.						
Remarks						

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/19/2013 06:00	10/20/2013 06:00	24	PROD1	WORK	CLNOUT	CREW TO LOCATION. WELL HAD 500 PSI. CLOSE BOP TO CHANGE OUT STRIPPER RUBBER. BOP DID NOT HOLD. CALL OUT EXACT VALVE TO TROUBLE SHOOT BOP. FOUND EVERYTHING OPERATING CORRECTLY. CALL J&W OUT W/ HANGER. BLOW WELL DOWN UNDER 100 PSI. PULL OFF STRIPPER. TAKE OFF TOP JT 2-7/8" PH-6 AND LAY DOWN. PICK UP 1 JT 2-7/8" J-55. PUT HANGER ON BOTTOM OF JT W/ 2-7/8 PH-6 X 2-7/8" J-55 PIN X PIN CHANGE OVER ON TOP OF HANGER. SCREW HANGER ONTO JT OF PH-6 LOOKING UP. OPEN BOP AND RIH W/ HANGER AND SET IN WELLHEAD. STOP FLOW. PULL DOORS OFF BOP AND CHANGE OUT RUBBERS AND INSPECT INSIDE BOP. PUT DOORS BACK ON AND CLOSE BOP. PULL UP ON HANGER 3' AND BOP STILL LEAKING. SET HANGER BACK IN WELL HEAD. UNSCREW TBG OFF HANGER AND L/D 1 JT TBG. PULL STRIPPER OFF. RAISE FLOOR ON RIG. GET BOP'S READY TO REMOVE. STAND BY FOR EXACT VALVE TO BRING OUT NEW BOP'S FROM 2:00 P.M. UNTIL 6:00 P.M. PULL OFF BOPS ON WELL AND CHANGE OUT W/ NEW BOPS. FLANGE UP NEW BOPS, SECURE WELL AND TURN OVER TO TETRA TO FLOW OVERNIGHT.

Report #: 17 Daily Operation: 10/20/2013 06:00 - 10/20/2013 18:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027453
Days From Spud (days) 77	Days on Location (days) 15	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 0.0	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 19	
Operations Summary BOP STILL LEAKING						
Remarks						

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/20/2013 06:00	10/21/2013 06:00	24	PROD1	WORK	CLNOUT	CREW TO LOCATION. WELL HAD 500 PSI. CLOSE BOP TO CHANGE OUT STRIPPER RUBBER. BOP DID NOT HOLD. CALL OUT EXACT VALVE TO TROUBLE SHOOT BOP. FOUND EVERYTHING OPERATING CORRECTLY. CALL J&W OUT W/ HANGER. BLOW WELL DOWN UNDER 100 PSI. PULL OFF STRIPPER. TAKE OFF TOP JT 2-7/8" PH-6 AND LAY DOWN. PICK UP 1 JT 2-7/8" J-55. PUT HANGER ON BOTTOM OF JT W/ 2-7/8 PH-6 X 2-7/8" J-55 PIN X PIN CHANGE OVER ON TOP OF HANGER. SCREW HANGER ONTO JT OF PH-6 LOOKING UP. OPEN BOP AND RIH W/ HANGER AND SET IN WELLHEAD. STOP FLOW. PULL DOORS OFF BOP AND CHANGE OUT RUBBERS AND INSPECT INSIDE BOP. PUT DOORS BACK ON AND CLOSE BOP. PULL UP ON HANGER 3' AND BOP STILL LEAKING. SET HANGER BACK IN WELL HEAD. UNSCREW TBG OFF HANGER AND L/D 1 JT TBG. PULL STRIPPER OFF. RAISE FLOOR ON RIG. GET BOP'S READY TO REMOVE. STAND BY FOR EXACT VALVE TO BRING OUT NEW BOP'S FROM 2:00 P.M. UNTIL 6:00 P.M. PULL OFF BOPS ON WELL AND CHANGE OUT W/ NEW BOPS. FLANGE UP NEW BOPS, SECURE WELL AND TURN OVER TO TETRA TO FLOW OVERNIGHT.

Report #: 18 Daily Operation: 10/21/2013 06:00 - 10/21/2013 18:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027453
Days From Spud (days) 78	Days on Location (days) 16	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 0.0	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 19	
Operations Summary DRILL PLUGS						
Remarks						

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/21/2013 06:00	10/22/2013 06:00	24	PROD1	WORK	CLNOUT	CREW TO LOCATION RELIEVE NIGHT CREW. 5 MIN SAFETY MEETING. CHANGE OUT STRIPPER RUBBER. RIH AND TAG AT #7 PLUG AT 12,150'. RIG UP POWER SWIVEL AND BREAK CIR. DO PLUG IN 40 MIN AND PUMP 10 BBL'S SWEEP, CONTINUE IN HOLE AND TAG #8 PLUG AT 12,394'. D/O PLUG IN 34 MIN AND PUMP 10 BBL SWEEP. CONTINUE IN HOLE AND TAG #9 PLUG AT 12,634'. D/O PLUG IN 35 MIN AND PUMP 10 BBL SWEEP. CONTINUE IN HOLE AND TAG # 10 PLUG AT 12,874'. D/O PLUG IN 45 MIN AND PUMP 10 BBL SWEEP. CONTINUE IN HOLE AND DID NOT SEE #11 PLUG. CONTINUE IN HOLE AND TAG #12 PLUG AT 13,363', CLEAR PLUG IN 40 MIN AND PUMP 10 BBL'S SWEEP. CONTINUE IN HOLE AND TAG #13 PLUG AT 13,594'. D/O PLUG IN 34 MIN AND PUMP 10 BBL SWEEP. CONTINUE IN HOLE AND TAG #14 PLUG AT 13,834. DID NOT D/O. PUMP 10 BBL'S SWEEP AND CONTINUE PUMP 20 MIN. L/D 1 JT 2-7/8". CHANGE STRIPPER RUBBER FOR NIGHT CREW. TURN WELL OVER TO NIGHT CREW TO CIR AND MOVE STRING UP AND DOWN HOLE.

Report #: 19 Daily Operation: 10/22/2013 06:00 - 10/22/2013 18:00

Job Category			Primary Job Type			AFE Number
ORIG COMPLETION			OCM			027453
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
79	17	18,483.0	0.0		PIONEER WELL SERVICE, 19	
Operations Summary						
CONT TO DRILL PLUGS						
Remarks						

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/22/2013 06:00	10/23/2013 06:00	24	PROD1	WORK	CLNOUT	TO LOCATION. 5 MIN SAFETY MEETING. RELIEVE NIGHT CREW. CHANGE OUT STRIPPER RUBBER. RAN BACK TO #14 PLUG AT 13,834'. DOP IN 40 MIN AND PUMP 10 BBL SWEEP. CONTINUE IN HOLE AND TAG PLUG # 15 AT 14,074'. DOP IN 25 MIN AND PUMP 10 BBL SWEEP. CONTINUE IN HOLE AND TAG # 16 PLUG AT 14,324'. DOP IN 34 MIN . PUMP 10 BBL SWEEP. CONTINUE IN HOLE AND TAG# 17 PLUG AT 14,570'. DOP IN 34 MIN AND PUMP 10 BBL SWEEP. CONTINUE IN HOLE AND TAG # 18 PLUG AT 14,794'. DOP IN 1 HR 5 MIN. PUMP 15 BBL SWEEP. CONTINUE IN HOLE AND TAG 19TH PLUG AT 15,034'. DOP IN 15 MIN AND PUMP 10 BBL SWEEP. CONTINUE IN HOLE AND TAG AT # 20 PLUG AT 15,284'. DOP IN 15 MIN AND PUMP 10 BBL SWEEP. CONTINUE IN HOLE AND TAG PLUG #21 AT 15,514. WORK ON PLUG 30 MIN AND DID NOT CLEAR. LAY DOWN 1 JT. CIR 10 BBL SWEEP PLUS 30 MIN. CHANGE OUT STRIPPER RUBBER FOR NIGHT SHIFT. MORNING CREW RETURN TO MIDLAND.

Report #: 20 Daily Operation: 10/23/2013 06:00 - 10/23/2013 18:00

Job Category ORIG COMPLETION				Primary Job Type OCM			AFE Number 027453	
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)		End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig		
80	18	18,483.0		0.0		PIONEER WELL SERVICE, 19		
Operations Summary CONT TO DRILL PLUGS								
Remarks								

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/23/2013 06:00	10/24/2013 06:00	24	PROD1	WORK	CLNOUT	CREW TO LOCATION, WELL HAD 1450 PSI FLOWING 2 BPM ON 21/64 CHOKE. 5 MIN TAILGATE SAFETY MEETING. RELIEVE NIGHT CREW. CHANGE OUT J-U STRIPPER RUBBER. TAG BACK AT PLUG # 21 AT 15,514'. FINISH DOP IN 30 MIN AND PUMP 10 BBL SWEEP. TAG PLUG # 22 AT 15,754'. DOP IN 20 MIN AND PUMP 10 BBL SWEEP. CONTINUE IN HOLE AND TAG PLUG # 23 AT 16,000'. DOP IN 19 MIN AND PUMP 10 BBL SWEEP. CONTINUE IN HOLE AND TAG PLUG # 24 AT 16,234'. DOP IN 22 MIN AND PUMP 10 BBL SWEEP. CONTINUE IN HOLE AND TAG PLUG # 25 AT 16,474'. DOP IN 21 MIN AND PUMP 10 BBL SWEEP. CONTINUE IN HOLE AND TAG PLUG # 26 AT 16,720'. DOP IN 45 MIN AND PUMP 10 BBL SWEEP. CHANGE OUT J-U STRIPPER RUBBER. CONTINUE IN HOLE AND TAG PLUG # 27 AT 16,954'. DOP IN 50 MIN AND PUMP 10 BBL SWEEP. CONTINUE IN HOLE AND TAG PLUG # 28 AT 17,194'. DOP IN 1-1/2 HRS GETTING SOME SAND. CIR 10 BBL SWEEP AND CONTINUE CIR 30 MIN AND ADD MORE COIL BEEDS AND TUBING LUBE. CIR 30 MIN. CONTINUE IN AND TAG # 29 PLUG AT 17,440'. CIR 30 MIN DID NOT DRILL OUT. CHANGE OUT J-U STRIPPER RUBBER AND L/D SWIVEL (WAS LEAKING) CHANGE OUT W/ DIFFERANT SWIVEL. DAY CREW TO MIDLAND. NIGHT CREW CIR WELL AND MOVE TBG STRING.

Report #: 21 Daily Operation: 10/24/2013 06:00 - 10/24/2013 18:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027453
Days From Spud (days) 81	Days on Location (days) 19	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 0.0	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 19	
Operations Summary D/O PLUGS						
Remarks						

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/24/2013 06:00	10/24/2013 18:00	12	PROD1	WORK	CLNOUT	CREW TO LOCATION. 5 MIN SAFETY MEETING. WELL HAD 1300 PSI AT 2 BPM ON 28/64 CHOKE. CHANGE OUT J-U STRIPPER RUBBER. RAN BACK TO PLUG # 29 AT 17,440'. DOP IN 30 MIN AND PUMP 10 BBL SWEEP. CONTINUE IN HOLE AND TAG PLUG #30 AT 17,670'. DOP IN 55 MIN AND PUMP 10 BBL SWEEP. CHANGE OUT SWIVEL AGAIN W/ NEW SWIVEL. CONTINUE IN HOLE AND TAG PLUG #31 AT 17,914'. DOP IN 36 MIN AND PUMP 10 BBL SWEEP. CONTINUE IN HOLE AND TAG PLUG # 32 AT 18,150'. DOP IN 1 HR 15 MIN AND PUMP 10 BBL SWEEP. CONTINUE IN HOLE AND C/O TO 18,375' @ PBT.D. L/D 1 JT. PUMP 200BBL SWEEP AND CONTINUE CIR 3 HRS UNTIL CLEAN FLUIDS AT SURFACE PIT. GOT ALL SWEEP BACK. TURN OVER TO NIGHT CREW TO CIR AND ROTATE TBG STRING. RECOVER 500 BBLs OIL IN ISOLATED FRAC TANK.

Report #: 22 Daily Operation: 10/25/2013 06:00 - 10/25/2013 18:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027453
Days From Spud (days) 82	Days on Location (days) 19	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 0.0	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 19	
Operations Summary D/O PLUGS						
Remarks						

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/25/2013 06:00	10/25/2013 18:00	12	PROD1	WORK	CLNOUT	CREW TO LOCATION. WELL FLOWING 1300 PSI ON 26/64 CHOKE AT 2 BPM. RECOVER 200 BBLs OIL IN ISOLATED FRAC TANK FOR TOTAL 700 BBLs ON LOCATION. HAD 5 MIN SAFETY MEETING. CHANGE OUT J-U STRIPPER RUBBER. RIG UP DIALOG WIRELINE AND PROTECHNICS LOGGING TOOL. RIG UP PEAK PRS CONTROL LUBRICATOR WITH BOP. RAN TRACER LOG FROM 18,375' TO 10,480' FROM 7:00 A.M. UNTIL 4:30 P.M. . RIG DOWN PEAK BOP AND LUBRICATOR. RIG DOWN WIRELINE. POOH W/140 JTS 2-7/8 P-H 6 TBG AND STAND BACK TO DERRICK. CHANGE OUT J-U STRIPPER RUBBER FOR NIGHT CREW. TURN WELL OVER TO NIGHT CREW TO CIR AND ROTATE TBG FOR NIGHT.

Report #: 23 Daily Operation: 10/26/2013 06:00 - 10/26/2013 18:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027453
Days From Spud (days) 83	Days on Location (days) 20	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 0.0	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 19	
Operations Summary CONTINUE POOH W/ TBG. TURN WELL OVER TO TETRA TO FLOW BACK AND CONTROL OVERNIGHT.						
Remarks						

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/26/2013 06:00	10/26/2013 18:00	12	PROD1	WORK	CLNOUT	CREW TO LOCATION. HAD 5 MIN TAILGATE SAFETY MEETING. WELL HAD 1200 PSI FLOWING 2BPM ON 25/64 CHOKE. MADE 842 OIL FOR TOTAL OF 1542 OIL IN ISOLATED FRAC TANKS. TOTAL WATER IN 24 HRS 2578. CONTINUE POOH W/ TBG. PULL REST OF 2-7/8" P-110 TBG OUT (TOTAL 373 JTS) CHANGE TOOLS FOR 2-3/8" POOH W/ 140 JTS 2-3/8" P-110. RIG UP SNUBBING UNIT. PULL 60 STANDS THROUGH SNUBBING UNIT. SNUB OUT BOTTOM 40 STANDS. L/D 1 SINGLE ON GROUND AND LAY DOWN MOTOR AND ALL BAKER TOOLS. SECURE WELL. TURN WELL OVER TO TETRA TO FLOW BACK AND CONTROL OVERNIGHT.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 24 Daily Operation: 10/27/2013 06:00 - 10/27/2013 18:00

Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 027453
Days From Spud (days) 84	Days on Location (days) 20	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 0.0	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 19	

Operations Summary
RIH W/ 5-1/2' GUAGE RING AND JUNK BASKET TO 10,780'. RIH ON WIRELINE TO 10,160'. START LOG BACK UP TO GET ON DEPTH W/ SHORT JT. @ 10,150'. START DRAGGING AND STUCK AT 10,154'.

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/27/2013 06:00	10/27/2013 18:00	12	PROD1	WORK	CLNOUT	CREW TO LOCATION. HAD 5 MIN TAILGATE SAFETY MEETING. WELL HAD 1200 PSI FLOWING 2 BPM ON 23/64 CHOKE. RECOVER 258 OIL FOR TOTAL OF 1800 BBLS OIL IN ISOLATED FRAC TANKS. RIG DOWN SNUBBING UNIT. W/O WIRELINE. R/U WIRELINE AND RIH W/ 5-1/2' GUAGE RING AND JUNK BASKET TO 10,780'. POOH W/ TOOLS AND DID NOT HAVE ANYTHING IN JUNK BASKET. RIG UP AND RIH W/ 4.5" O.D AS-1X PACKER W/ PUMP OUT PLUG, 2-7/8"2.5" F PROFILE NIPPLE , 4.5" O.D. ON/OFF TOOL AND RIH ON WIRELINE TO 10,160'. START LOG BACK UP TO GET ON DEPTH W/ SHORT JT. @ 10,150'. START DRAGGING AND STUCK AT 10,154'. WORK TO GET FREE AND WOULD NOT COME LOOSE. SURGE PRS TO TRY AND FREE BUT DID NOT COME LOOSE.TRY TO SET PACKER SEVERAL TIMES BUT HAD OPEN CIRCUIT AND WOULD NOT SET. WORK FOR 1-1/2 HRS TO FREE AND COULD NOT. PULL OUT OF ROPE SOCKET. POOH W/ WIRE. BREAK DOWN GREASE HEAD AND FOUND LEFT APPROX 2'-3' OF WIRE IN HOLE. R/D WIRELINE. SECURE WELL AND SDFN.

Report #: 25 Daily Operation: 10/28/2013 06:00 - 10/28/2013 18:00

Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 027453
Days From Spud (days) 85	Days on Location (days) 21	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 0.0	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 19	

Operations Summary
PICK UP WIRELINE FLANGE AND PUMP IN SUB AND PUT ONTOP OF BOP. GET 4-5/8" OVERSHOT W/ 3-1/8" GRAPPLE,3-1/2" BUMPERSUB,3-1/2" JARS MADE UP AND READY TO RUN.

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/28/2013 06:00	10/28/2013 18:00	12	PROD1	WORK	CLNOUT	CREW TO LOCATION. HAD 5 MIN TAILGATE SAFETY MEETING. WELL WAS SHUT IN OVERNIGHT. BUILT UP TO 2000 PSI. BLEED DOWN TO 1200 PSI IN 1 HR AND 3/4 BPM ON 15/64 CHOKE. MAKE PLAN TO GET FISH TOOLS IN HOLE. EXACT VALVE BOP DID NOT HAVE 2-3/8" SLIP TYPE RAMS FOR THEIR BOP. N/D EXACT BOP. W/O BTI TO BRING OUT DOUBLE STACK BOP W/ 2-3/8" RAMS ON BOTTOM AND 2-3/8" SLIP TYPE RAMS ON TOP UNTIL 4:00 P.M. PICK UP BOP AND SET ON TOP OF SINGE W/ BLINDS. NIPPLE UP BOP AND TIGHTEN BOLTS. PICK UP WIRELINE FLANGE AND PUMP IN SUB AND PUT ONTOP OF BOP. GET 4-5/8" OVERSHOT W/ 3-1/8" GRAPPLE,3-1/2" BUMPERSUB,3-1/2" JARS MADE UP AND READY TO RUN. GET WIRELINE LUBRICATOR MADE UP AND READY TO RUN. SET ACCUMULATOR FOR BTI HYDRAULIC BOP. SECURE WELL AND SDFN.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 26 Daily Operation: 10/29/2013 06:00 - 10/29/2013 18:00

Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 027453
Days From Spud (days) 86	Days on Location (days) 21	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 0.0	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 19	

Operations Summary
NU SNUBBING UNIT

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/29/2013 06:00	10/29/2013 18:00	12	PROD1	WORK	FISHING	CREW TO LOCATION. PICK UP LUBRICATOR AND HANG IN DERRICK. PICK UP 4-5/8" OVERSHOT W/ 3-1/8" GRAPPLE , 3-1/2" BUMPERSUB,3-1/2" JARS,. PULL INTO LUBRICATOR. PULL UP AND FOUND ELECTRIC LINE HAD WRAPPED AROUND SANDLINE AND KINKED ELECTRIC LINE. PULL LINE THROUGH LUBRICATOR TO GROUND UNTIL BOTH KINKS CAME THROUGH. CUT LINE AND RE-HEAD. PULL BACK UP AND NIPPLE UP LUBRICATOR AND TOOLS. RIH AND SET DOWN 11' IN. PUT O/S AT GROUND LEVEL. POOH AND FOUND CUT LIP GUIDE BENT SLIGHTLY AND MARKS ON OUTSIDE. W/O 4-3/8" OVERSHOT AND EXTENSION. N/U TOOLS AND RIH 33' AND SET TOOLS IN SLIP TYPE RAMS. N/D LUBRICATOR AND WIRELINE. N/U SNUBBING UNIT. OPERATOR GOT OFF ON MEASUREMENTS AND HAD TO STRIP TIW VALVE THROUGH BAG ON SNUBBING UNIT. TAKE OFF VALVE. SNUB 100 JTS 2-3/8" PH-6 TBG IN HOLE. SECURE WELL AND SDFN.

Report #: 27 Daily Operation: 10/30/2013 06:00 - 10/30/2013 18:00

Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 027453
Days From Spud (days) 87	Days on Location (days) 22	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 0.0	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 19	

Operations Summary
FILL BOTH STRINGS W/ WATER.

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/30/2013 06:00	10/30/2013 18:00	12	PROD1	WORK	CLNOUT	TO LOCATION. HAD 5 MIN SAFETY MEETING. RIH W/ REST OF 2-3/8" PH-6 PIPE. RIG DOWN SNUBBING UNIT. CHANGE OVER TO RUN 2-7/8" AND TIE BACK TBG LINE. RIH W/ 67 JTS 2-7/8" TBG TO 10,050'. RIG UP PUMP AND SWIVEL. FILL BOTH STRINGS TBG W/37 BBLS WATER. EST PRS AND RATE OF 1.5 BPM @ 1100 PSI. PUMP 20 BBLS W/ SAME RATE AND PRS. SHUT DOWN PUMP. CONTINUE IN AND TAG AT 10,150' AND KEPT GOING. PICK UP 4 SINGLES W/ SWIVEL. PUMP IN AND HAD SAME RATE AND PRS OF 1.5 BPM @ 1100 PSI. L/D SWIVEL. RIH ON 33 JTS FROM DERRICK AND SET DOWN AT 10,986'. PICK UP ONE JT. COULD NOT GO DOWN. L/D JT. GET PRS AND RATE OF 1.5 BPM @ 400 PSI. TRY PULL OUT AND WAS STUCK. SET OFF JARS 5 TIMES AND CAME LOOSE. POOH TO ABOVE CURVE AT 9050'. SECURE WELL AND SDFN.

Report #: 28 Daily Operation: 10/31/2013 06:00 - 10/31/2013 18:00

Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 027453
Days From Spud (days) 88	Days on Location (days) 22	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 0.0	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 19	

Operations Summary
HAD TROUBLE RU D/T HIGH WINDS.

Remarks

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/31/2013 06:00	10/31/2013 18:00	12	PROD1	WORK	CLNOUT	TO LOCATION. WELL HAD 1300 PSI. BLEW DOWN TO 100 PSI IN 1 HR. STAY FLOW 100 ON 10/64 CHOKE UNTIL 8:30 A.M. AND SHUT IN TITE. FINISH POOH W/ 2-7/8" TBG TOTAL 67 JTS. PUT RIG BACK ON 1 TBG LINE. CHANGE EQUIPMENT OVER TO PULL 2-3/8" TBG. POOH W/ 140 JTS 2-3/8" LEAVING 100 JTS TO SNUB OUT. RIG UP SNUBBING UNIT. HAD TROUBLE GETTING RIGGED UP DO TO HIGH WIND. POOH W/ 48 STANDS. LEFT REST TBG AND TOOLS WITH BIND ON THEM WITH SNUBBING RIG TO PREVENT BLOWING OUT. SECURE WELL AND SDFN W/ 100 PSI ON WELL SHUT IN ALL DAY.

Report #: 29 Daily Operation: 11/1/2013 06:00 - 11/1/2013 18:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027453
Days From Spud (days) 89	Days on Location (days) 23	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 0.0	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 19	
Operations Summary RIH W/ 30 STANDS TBG.						
Remarks						

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
11/1/2013 06:00	11/1/2013 18:00	12	PROD1	WORK	CLNOUT	Cont.-Open well psi was 750psi overnite flowback crew bled dn to 100psi during day partially set packer, Finish snubbing out with tbg, set fishing tools in bop slips, R/D snub rig, R/U Dialog and lubricator latched on fishing tools, pull up into lubricator, had setting tool left packer in curve, stand by for rams on BOP, installed new ones, make up and start in hole w/retrieving head, bumper sub, jars, R/U Dialog, and lubricator set tools dn in BOP, R/D Dialog, Rig up Snub Unit screw into tools, cont.-RIH w/tbg run 30stds, secure well, let flowback flow overnite.

Report #: 30 Daily Operation: 11/2/2013 06:00 - 11/2/2013 18:00

Job Category			Primary Job Type			AFE Number
ORIG COMPLETION			OCM			027453
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
90	23	18,483.0	0.0		PIONEER WELL SERVICE, 19	
Operations Summary						
LATCH ONTO PKR, WELL TOOK A GAS KICK.						
Remarks						

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
11/2/2013 06:00	11/2/2013 18:00	12	PROD1	WORK	CLNOUT	Cont.-Kept well flowing overnite, psi on well 150psi flowed back .5bbls, R/D snub unit, R/U stripper head and cont.-in hole w/tbg total tbg ran 250jts 2-3/8 PH6, 110-2-7/8 PH6, latched on to packer at 10,956' released and equalized psi to 1500-1700pds. and decreasing, POOH w/2-7/8tbg std back to derrick, chg stripper rubber to 2-3/8, POOH w/113jts well took a gas kick, PSI jump, causing tbj to jump out of slips and tubing lost in hole, shut well in, mists of fluid released thru stripper rubber causing snubbing unit and location to be covered in area, report to JK Wilson, open backside full to flow back psi leveled to 750psi, left in hole is 137 jts PH6, 10ft sub, 6ft sub, jars,bumper-sub, chg over and retrieving head w/packer, let Tetra flow back 18 choke overnite.

Report #: 31 Daily Operation: 11/3/2013 06:00 - 11/3/2013 18:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027453
Days From Spud (days) 91	Days on Location (days) 24	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 0.0	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 19	
Operations Summary Top of fish is 18ft below wellhead, R/U snub unit.						
Remarks						

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
11/3/2013 06:00	11/3/2013 18:00	12	PROD1	WORK	CLNOUT	Cont.-Arrive to location had mtg on daily duties, R/U steamer washed off rig and snub unit had oil mist, R/U Dialog make up and RIH w/4.5 gauge ring tagged 18ft below wellhead work to get thru couldn't, POOH looked at end show signs of laying dn on fish, POOH lay dn tools, R/D Dialog, informed supervisors, top of fish is 18ft below wellhead, R/U snub unit, secure well, flow and psi still at 50-psi. shut in well overnight.

Report #: 32 Daily Operation: 11/4/2013 06:00 - 11/4/2013 18:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027453
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
92	24	18,483.0	0.0		PIONEER WELL SERVICE, 19	

Operations Summary

LEAVE TBG IN BIND W/ SNUBBING UNIT.

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
11/4/2013 06:00	11/4/2013 18:00	12	PROD1	WORK	CLNOUT	CREW TO LOCATION. WELL HAD 0 PSI. HAD 5 MIN SAFETY MEETING. GOT NIPPLES WELDED ON TOP OF 4 BOLTS FOR CHANGE OVER FOR COLLAR BAND. INSTALL COLLAR BAND ON TOP OF SNUBBING UNIT. RIH W/ 1 JT AND 10' SUB. SCREW INTO TBG IN HOLE. RIG UP PUMP AND PUT 2000 PSI ON TOP OF PACKER TO EQUILIZE. RELEASE PACKER AND PULL 1 JT. LAY DOWN JT. PICK UP 1 STAND AND RIH 30' BELOW WHERE PACKER WAS SET. TRY TO BLOW DOWN PRS ON WELL TO TEST IF PACKER SET OR NOT. DID NOT BLOW DOWN. HELD 2000 PSI AND WAS FLOWING. POOH W/ 70 JTS AND SNUB OUT 68 TOTAL 138 JTS. DID NOT HAVE TIME TO RIG DOWN SNUBBING UNIT AND RIG UP WIRELINE LUBRICATOR BEFORE DARK. LEAVE TBG IN BIND WITH SNUBBING UNIT TO KEEP FROM BLOW OUT. LEAVE TETRA FLOWING WELL OVERNIGHT. SHUT DOWN CREW AND RETURN TO MIDLAND.

Report #: 33 Daily Operation: 11/5/2013 06:00 - 11/5/2013 18:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027453
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
93	25	18,483.0	0.0		PIONEER WELL SERVICE, 19	

Operations Summary

HAD TROUBLE GETTING PKR IN LUB.

Remarks

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
11/5/2013 06:00	11/5/2013 18:00	12	PROD1	WORK	CLNOUT	CREW TO LOCATION. WELL HAD 2200 PSI. HAD 5 MIN TAILGATE SAFETY MEETING. LAND TBG IN SLIP TYPE RAMS. RIG DOWN SNUBBING RIG. RIG UP WIRELINE LUBRICATOR. EQUILIZE LUB. HAD TROUBLE GETTING PACKER IN LUB. WORK 1 HR AND GOT TOOLS UP IN LUB. SHUT BLINDS AND BLEED OFF. LAY DOWN LUB W/ TOOLS INSIDE. CHAIN OFF LUB AND TIE PICKUP ON PACKER AND PULL OUT OF LUB. RUBBERS SWOLLEN. RIG UP WEIGHT BAR, JUNK BASKET AND 4.5 GAUGE RING. PICK UP LUB W/ TOOLS INSIDE. RIG UP TO WELL. EQUILIZE LUB. COULD NOT GET TOOLS TO FALL OUT OF LUBRICATOR. WORK ON TOOLS AND WOULD NOT GO BELOW LUB. BLOW DOWN WELL TO 1900 PSI AND STILL WOULD NOT GO. SHUT BLINDS AND BLOW DOWN. MADE SURE TOOLS FREE AND THEY WERE. TRY AGAIN AND WOULD NOT GO. SHUT BLINDS AND BLEED OFF WELL. LAY DOWN TOOLS. FOUND TWO LINES BACKWARDS ON GREASE HEAD. SWITCH AROUND AND WAITE ON ANOTHER WEIGHT BAR. PUT WEIGHT BAR ON FOR TOTAL 23' LONG. PICK UP TOOLS AND N/U LUBRICATOR. WORK ON TOOLS AND GOT GOING DOWN HOLE. WENT TO TOTAL DEPTH OF 2800' AND START BLOWING OIL OUT GREASE HEAD. TRY PACK OFF AND SLOW DOWN BUT COULD NOT PACK OFF. POOH W/ TOOLS AND PULL BACK INTO LUB. CLOSE BLINDS AND BLOW DOWN WELL. BLOW DOWN LUB. LAY DOWN LUB. FOUND BAD GREASE HEAD. RIG DOWN LUB AND WIRELINE TRUCK AT 7:00 P.M. WILL HAVE DIFFERANT TRUCK AND LUBRICATOR IN A.M. SDFN.

Report #: 34 Daily Operation: 11/6/2013 06:00 - 11/6/2013 18:00

Job Category ORIG COMPLETION				Primary Job Type OCM			AFE Number 027453	
Days From Spud (days) 94	Days on Location (days) 25	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 0.0	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 19			
Operations Summary SET PKR @ 10710								
Remarks								

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
11/6/2013 06:00	11/6/2013 18:00	12	PROD1	WORK	CLNOUT	TO LOCATION. WELL HAD 2400 PSI. HAD 5 MIN TAILGATE SAFETY MEETING. OPEN UP AND BLEED DOWN TO 1800 PSI. MOVE IN AND RIG UP DIFFERANT WIRELINE TRUCK AND LUBRICATOR. PICK UP LUBRICATOR AND PICK UP 4.5" O.D. GAUGE RING , JUNK BASKET, 2 WEIGHT BARS AND PULL UP INSIDE LUBRICATOR. N/U LUB TO WELL. EQUILIZE PRS. OPEN BLINDS AND RIH W/ GR TO 10,780'. POOH W/ GR. PULL INTO LUB. SHUT BLINDS AND BLOW DOWN WELL. PICK UP 4.5" O.D AS-1X PACKER W/ PUMP OUT PLUG. 2-7/8" "2.5" F PROFILE NIPPLE , 4.5" OD ON/OFF TOOL AND PULL UP INSIDE LUB. N/U LUB TO WELL. EQUILIZE PRS AND OPEN BLINDS. RIH W/ TOOLS TO 10,710'. (WANTED PACKER SET AT 10,720' BUT HAD COLLAR AT 10,723). SET PACKER AT 10,710'. POOH W/ SETTING TOOL AND PULL UP INSIDE LUB. CLOSE BLINDS AND BLOW DOWN WELL. LAY DOWN SETTING TOOL AND L/D LUB. RIG DOWN WIRELINE. BLEED OFF WELL TO 0 PSI. WAIT 1 HR FOR GAS TO WORK UP HOLE. N/D HYDROLIC BOPS, AND FLOW CROSS AND N/U MANUAL BOP. RIG UP SLIPS . PUT LONG BELLS BACK ON AND RIG UP SLIP TYPE ELEVATORS. RIH W/ 120 JTS 2-3/8" PH-6 TBG. CLOSE BOP , SECURE WELL AND SDFN.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Report #: 35 Daily Operation: 11/7/2013 06:00 - 11/7/2013 18:00

Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 027453
Days From Spud (days) 95	Days on Location (days) 26	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 0.0	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 19	

Operations Summary
STARTED GETTING POCKETS OF GAS TO SURFACE.

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
11/7/2013 06:00	11/7/2013 18:00	12	PROD1	WORK	CLNOUT	TO LOCATION. HAD 5 MIN TAILGATE SAFETY MEETING. WELL HAD 240 PSI AND BLEW DOWN IN 5 MIN. ALL GAS. CONTINUE RIH W/ P-H6 2-3/8" TBG. RAN ALL 2-3/8" TOTAL OF 238 JTS.HAD 2 JTS LAYED DOWN ALREADY. RIG EXACT LAYDOWN MACHINE BACK UP TO WELL. POOH LAYING DOWN ALL 238 JTS 2-3/8" P-H6 TBG ON RACKS.HAD TO STOP 3 TIMES TO LET GAS BLOW DOWN. AFTER TBG GOT IN FLUID STARTED GETTING POCKETS OF GAS TO SURFACE. CHANGE HANDLING TOOLS TO RUN 2-7/8" PH-6 TBG. RIH W/ 180 JTS 2-7/8" PH-6 TBG. POOH LAYING DOWN 50 JTS 2-7/8" PH-6 TBG ON RACKS. SECURE WELL AND SDFN.

Report #: 36 Daily Operation: 11/8/2013 06:00 - 11/8/2013 18:00

Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 027453
Days From Spud (days) 96	Days on Location (days) 26	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 0.0	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 19	

Operations Summary
HAD TROUBLE WITH TONGS

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
11/8/2013 06:00	11/8/2013 18:00	12	PROD1	WORK	CLNOUT	TO LOCATION. HAD 5 MIN SAFETY MEETING. WELL HAD 0 PSI. CONTINUE POOH LAYING DOWN 150 JTS 2-7/8" PH-6 ON RACKS. RIH W/ 223 JTS 2-7/8" PH-6. POOH AND LAY ALL DOWN ON RACKS. MUSSLE WHITE FORK LIFT LOADED UP ALL 2-3/8" AND 2-7/8" PH-6 TBG ON TRUCKS AND LOAD TOOL BASKET ON TRUCK AND HAUL ALL TO OIL DOG YARD.RECEIVE AND RACK 10,860' OF 2-7/8" L-80 TBG. TALLEY 200 JTS. CHANGE HANDLING TOOLS OVER TO 2-7/8" L-80 TBG. PICK UP ON/OFF TOOL AND RIH ON 1 JT. PUT ON GAS LIFT SUB. RIH W/ TOTAL OF 40 JTS 2-7/8" L-80 TO 1250' W/ TOTAL 3 GAS LIFT SUBS SPACED OUT AS PER PCS. HAD TROUBLE WITH TONGS AT END OF DAY. BINDING UP ON TBG AND HAD TROUBLE MAKING UP. PUT ON TIW VALVE ON TOP JT. SECURE WELL AND LOAD TONGS ON TRUCK TO TAKE IN AND REPLACE. SDFN.

Report #: 37 Daily Operation: 11/9/2013 06:00 - 11/9/2013 18:00

Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 027453
Days From Spud (days) 97	Days on Location (days) 27	End Depth (ftKB) 18,483.0	End Depth (TVD) (ftKB) 0.0	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 19	

Operations Summary
TURN OVER TO PRODUCTION

Remarks

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
11/9/2013 06:00	11/9/2013 18:00	12	PROD1	WORK	CLNOUT	TO LOCATION. HAD 5 MIN TAILGATE SAFETY MEETING. WELL HAD 0 PSI. CONTINUE RUNNING 2-7/8" L-80 TBG W/ 17 GAS LIFT SUBS SPACED OUT AS PER PCS GAS LIFT (SEE TBG REPORT FOR DETAILS). SPACE OUT WELL WITH A 4',6'8",10' X 2-7/8" SUBS. HANG WELL ON W/ TBG HANGER WITH MASTER VALVE ON TOP W/ 17 PTS ON PACKER. RIG DOWN PULLING UNIT. R&R DIRT CONTRACTORS TORE DOWN DIRT RAMP. LIFT STEEL WALL OUT. FINISH TEAR DOWN DIRT RAMP. N/U FLOW TREE. J&W TEST MASTER VALVE TO 4000 PSI.RIG UP REVERSE UNIT PUMP TO CHOKE AND OPEN CHOKE WIDE OPEN. TEST FROM MASTER VALVE UP TO 4000 PSI AND HELD. PUMP PLUG OUT W/16 BBLs AT 3800 PSI. WENT TO 2400 PSI AND STABILIZE TO 1750 PSI IN 5 MIN. RIG DOWN PUMP, TURN OVER TO PRODUCTION AT 5:30 P.M. CREW AND OILFIELD FISH LEAVE LOCATION AT 6:45 P.M.

WELL DETAILS

Well Name UNIVERSITY 7-43 #10H	API/UWI 42-003-45309-0000	Operator PIONEER NATURAL RESRC USA, INC
-----------------------------------	------------------------------	--

Wellbore Hole Size

Section Des	Size (in)	Act Top (ftKB)	Act Btm (ftKB)	Start Date	End Date
Surface	17 1/2	26.0	1,871.0	8/4/2013	8/6/2013
Intermediate	12 1/4	1,871.0	9,990.0	8/6/2013	8/17/2013
Production	8 1/2	9,990.0	18,483.0	8/22/2013	9/12/2013

Conductor Casing

Run Date 7/25/2013	Set Depth (ftKB) 120.0				Centralizers			
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)
Casing Joints	5 1/2	4.778	20.00	P-110			120.0	120.0
							120.0	120.0

Surface Casing

Set Depth (ftKB)	Run Date	Centralizers						
1,870.0	8/5/2013	15						
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)
Casing Joints	13 3/8	12.415	68.00	J-55	1,799.99	44	26.0	1,826.0
Float Collar	13 3/8	12.415	68.00	J-55	1.55	1	1,826.0	1,827.5
Casing Joints	13 3/8	12.415	68.00	J-55	41.04	1	1,827.5	1,868.6
Float Shoe	13 3/8	12.415	68.00	J-55	1.44	1	1,868.6	1,870.0

Surface Casing Cement

Type	String	Cementing Start Date	Cementing End Date	Cementing Company	Top (ftKB)	Btm (ftKB)
Casing	Surface, 1,870.0ftKB	8/6/2013	8/6/2013	SCHLUMBERGER	26.0	1,870.0
Class		Amount (sacks)	Yield (ft³/sack)	Density (lb/gal)		
Ultra Flus		0				8.40
Class		Amount (sacks)	Yield (ft³/sack)	Density (lb/gal)		
Class C		855	1.92			12.80
Class		Amount (sacks)	Yield (ft³/sack)	Density (lb/gal)		
Class C		385	1.67			13.60
Class		Amount (sacks)	Yield (ft³/sack)	Density (lb/gal)		
Dsplmt		273				8.40

Intermediate Casing

Set Depth (ftKB)	Run Date	Centralizers							
9,979.0	8/19/2013								
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)	
Landing Joint	9 5/8	8.755	43.50	L-80	0.00	0	26.0	26.0	
Casing Joints	9 5/8	8.755	43.50	L-80	4,468.37	98	26.0	4,494.4	
Ryte Wrap	9 5/8	8.755	43.50	L-80	2,487.66	53	4,494.4	6,982.0	
Stage Collar	9 5/8	8.755	43.50	L-80	2.75	1	6,982.0	6,984.8	
Ryte Wrap	9 5/8	8.755	43.50	L-80	140.92	3	6,984.8	7,125.7	
Casing Joints	9 5/8	8.755	43.50	L-80	2,758.27	59	7,125.7	9,884.0	
Float Collar	9 5/8	8.755	43.50	L-80	1.40	1	9,884.0	9,885.4	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Item Des		OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)
Casing Joints		9 5/8	8.755	43.50	L-80	92.15	2	9,885.4	9,977.5
Float Shoe		9 5/8	8.755	43.50	L-80	1.50	1	9,977.5	9,979.0
Intermediate Casing Cement									
Type	String	Cementing Start Date		Cementing End Date		Cementing Company		Top (ftKB)	Btm (ftKB)
Casing	Intermediate 1, 9,979.0ftKB	8/18/2013		8/19/2013		SCHLUMBERGER		6,993.0	9,979.0
Class	Amount (sacks)			Yield (ft³/sack)		Density (lb/gal)			
Ultra Flus	0					9.40			
Class	Amount (sacks)			Yield (ft³/sack)		Density (lb/gal)			
LITECRETE	754			2.00		10.69			
Class	Amount (sacks)			Yield (ft³/sack)		Density (lb/gal)			
TXI LITEWEIGHT	270			1.67		125.00			
Type	String	Cementing Start Date		Cementing End Date		Cementing Company		Top (ftKB)	Btm (ftKB)
Casing	Intermediate 1, 9,979.0ftKB	8/18/2013		8/19/2013		SCHLUMBERGER		3,787.0	6,993.0
Class	Amount (sacks)			Yield (ft³/sack)		Density (lb/gal)			
Water	0					8.33			
Class	Amount (sacks)			Yield (ft³/sack)		Density (lb/gal)			
LITECRETE	1,210			2.00		10.69			
Class	Amount (sacks)			Yield (ft³/sack)		Density (lb/gal)			
TXI LITEWEIGHT	380			1.65		12.50			
Production Casing									
Set Depth (ftKB)	Run Date	Centralizers							
18,462.0	9/19/2013								
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)	
Casing Joints	5 1/2	4.778	20.00	P-110	0.00	0	-0.1	-0.1	
Marker	5 1/2	4.778	20.00	P-110	0.00	0	-0.1	-0.1	
Casing Joints	5 1/2	4.778	20.00	P-110	0.00	0	-0.1	-0.1	
Ld Jt	5 1/2	4.778	20.00	P-110	27.00	1	-0.1	26.9	
Hanger	5 1/2	4.778	20.00	P-110	4.00	1	26.9	30.9	
Casing Joints	5 1/2	4.778	20.00	P-110	10,001.37	237	30.9	10,032.3	
Marker	5 1/2	4.778	20.00	P-110	19.71	1	10,032.3	10,052.0	
Casing Joints	5 1/2	4.778	20.00	P-110	82.41	2	10,052.0	10,134.4	
Marker	5 1/2	4.778	20.00	P-110	10.05	1	10,134.4	10,144.4	
Casing Joints	5 1/2	4.778	20.00	P-110	8,317.58	201	10,144.4	18,462.0	
Production Casing Cement									
Type	String	Cementing Start Date		Cementing End Date		Cementing Company		Top (ftKB)	Btm (ftKB)
Casing	Production, 18,462.0ftKB	9/19/2013		9/20/2013		SCHLUMBERGER		6,933.0	18,642.0
Class	Amount (sacks)			Yield (ft³/sack)		Density (lb/gal)			
Ultra Flus	0					8.33			
Class	Amount (sacks)			Yield (ft³/sack)		Density (lb/gal)			
TXI LITEWEIGHT	3,100			1.41		13.00			
Cement Squeeze									
Description	Type	String		Cementing Start Date		Cementing End Date	Top (ftKB)	Btm (ftKB)	
Amount (sacks)		Yield (ft³/sack)				Dens (lb/gal)			
Perforations									
Top (ftKB)	Btm (ftKB)	Zone	Shot Dens (shots/ft)	Entered Shot Total	Com				
10,983.0	11,165.0	Wolfcamp D, Original Hole	5.0	40					
11,223.0	11,405.0	Wolfcamp D, Original Hole	5.0	40					
11,463.0	11,645.0	Wolfcamp D, Original Hole	5.0	40					
11,703.0	11,885.0	Wolfcamp D, Original Hole	5.0	40					
11,943.0	12,125.0	Wolfcamp D, Original Hole	5.0	40					
12,183.0	12,365.0	Wolfcamp D, Original Hole	5.0	40					
12,423.0	12,605.0	Wolfcamp D, Original Hole	5.0	40					
12,663.0	12,845.0	Wolfcamp D, Original Hole	5.0	40					
12,903.0	13,085.0	Wolfcamp D, Original Hole	5.0	40					
13,143.0	13,325.0	Wolfcamp D, Original Hole	5.0	40					
13,383.0	13,565.0	Wolfcamp D, Original Hole	5.0	40					
13,623.0	13,805.0	Wolfcamp D, Original Hole	5.0	40					
13,863.0	14,045.0	Wolfcamp D, Original Hole	5.0	40					
14,103.0	14,285.0	Wolfcamp D, Original Hole	0.2	40					
14,343.0	14,525.0	Wolfcamp D, Original Hole	0.2	40					
14,583.0	14,765.0	Wolfcamp D, Original Hole	0.2	40					

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Perforations

Top (ftKB)	Btm (ftKB)	Zone	Shot Dens (shots/ft)	Entered Shot Total	Com
14,823.0	15,005.0	Wolfcamp D, Original Hole	5.0	40	
15,063.0	15,245.0	Wolfcamp D, Original Hole	5.0	40	
15,303.0	15,485.0	Wolfcamp D, Original Hole	5.0	40	
15,543.0	15,725.0	Wolfcamp D, Original Hole	5.0	40	
15,783.0	15,965.0	Wolfcamp D, Original Hole	5.0	40	
16,023.0	16,205.0	Wolfcamp D, Original Hole	5.0	40	
16,263.0	16,445.0	Wolfcamp D, Original Hole	5.0	40	
16,503.0	16,685.0	Wolfcamp D, Original Hole	5.0	40	
16,743.0	16,925.0	Wolfcamp D, Original Hole	5.0	40	
16,983.0	17,165.0	Wolfcamp D, Original Hole	5.0	40	
17,223.0	17,405.0	Wolfcamp D, Original Hole	5.0	40	
17,463.0	17,645.0	Wolfcamp D, Original Hole	5.0	40	
17,703.0	17,885.0	Wolfcamp D, Original Hole	5.0	40	
17,943.0	18,125.0	Wolfcamp D, Original Hole	5.0	40	
18,183.0	18,365.0	Wolfcamp D, Original Hole	5.0	40	

Stimulations & Treatments (Actual)

Name= Cap Plug, Wolfcamp D, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
10/14/2013						

Name = Stage 1, Wolfcamp D, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
10/8/2013	Frac	Pioneer Pumping Services	18,183.0	18,365.0	100 Mesh Sand 35661 lbm; Super DC Resin Coated Sand 39903 lbm; White Sand 221807 lbm	8,233.00

Name = Stage 2, Wolfcamp D, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
10/8/2013	Frac	Pioneer Pumping Services	17,943.0	18,125.0	100 Mesh Sand 25950 lbm; Super DC Resin Coated Sand 40763 lbm; White Sand 228044 lbm	8,021.00

Name = Stage 3, Wolfcamp D, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
10/9/2013	Frac	Pioneer Pumping Services	17,703.0	17,885.0	100 Mesh Sand 26060 lbm; Super DC Resin Coated Sand 40323 lbm; White Sand 231826 lbm	8,016.00

Name = Stage 4, Wolfcamp D, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
10/9/2013	Frac	Pioneer Pumping Services	17,463.0	17,645.0	100 Mesh Sand 24862 lbm; Super DC Resin Coated Sand 38092 lbm; White Sand 233068 lbm	7,801.00

Name = Stage 5, Wolfcamp D, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
10/9/2013	Frac	Pioneer Pumping Services	17,223.0	17,405.0	100 mesh sand 25.205 klbm; Ottawa Sand 30/50 sand 225.769 klbm; SuperDC 30/50 manmade proppant 40.99	8,039.07

Name = Stage 6, Wolfcamp D, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
10/9/2013	Frac	Pioneer Pumping Services	16,983.0	17,165.0	100 mesh sand 26.017 klbm; Ottawa Sand 30/50 sand 227.076 klbm; SuperDC 30/50 manmade proppant 40.38	8,145.66

Name = Stage 7, Wolfcamp D, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
10/9/2013	Frac	Pioneer Pumping Services	16,743.0	16,925.0	100 Mesh Sand 26373 lbm; Super DC Resin Coated Sand 44290 lbm; White Sand 229433 lbm	7,994.00

Name = Stage 8, Wolfcamp D, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
10/9/2013	Frac	Pioneer Pumping Services	16,503.0	16,685.0	100 Mesh Sand 25946 lbm; Super DC Resin Coated Sand 44262 lbm; White Sand 231087 lbm	7,747.00

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Stimulations & Treatments (Actual)

Name = Stage 9, Wolfcamp D, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
10/10/2013	Frac	Pioneer Pumping Services	16,263.0	16,445.0	100 Mesh Sand 25466 lbm; Super DC Resin Coated Sand 42991 lbm; White Sand 230439 lbm	7,712.00

Name = Stage 10, Wolfcamp D, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
10/10/2013	Frac	Pioneer Pumping Services	16,023.0	16,205.0	100 mesh sand 185.376 klbm	7,791.15

Name = Stage 11, Wolfcamp D, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
10/10/2013	Frac	Pioneer Pumping Services	15,783.0	15,965.0	100 Mesh Sand 26173 lbm; Super DC Resin Coated Sand 40791 lbm; White Sand 230628 lbm	7,675.00

Name = Stage 12, Wolfcamp D, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
10/10/2013	Frac	Pioneer Pumping Services	15,543.0	15,725.0	100 Mesh Sand 25351 lbm; Super DC Resin Coated Sand 40064 lbm; White Sand 232788 lbm	7,675.00

Name = Stage 13, Wolfcamp D, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
10/10/2013	Frac	Pioneer Pumping Services	15,303.0	15,485.0	100 Mesh Sand 26561 lbm; Super DC Resin Coated Sand 38150 lbm; White Sand 231565 lbm	8,146.00

Name = Stage 14, Wolfcamp D, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
10/10/2013	Frac	Pioneer Pumping Services	15,063.0	15,245.0	100 Mesh Sand 24729 lbm; Super DC Resin Coated Sand 39779 lbm; White Sand 232788 lbm	7,649.00

Name = Stage 15, Wolfcamp D, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
10/11/2013	Frac	Pioneer Pumping Services	14,823.0	15,005.0	100 Mesh Sand 26006 lbm; Super DC Resin Coated Sand 42486 lbm; White Sand 226512 lbm	7,580.00

Name = Stage 16, Wolfcamp D, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
10/11/2013	Frac	Pioneer Pumping Services	14,583.0	14,765.0	100 mesh sand 24.64 klbm; Ottawa Sand 30/50 sand 230.034 klbm; SuperDC 30/50 manmade proppant 36.972	7,624.93

Name = Stage 17, Wolfcamp D, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
10/11/2013	Frac	Pioneer Pumping Services	14,343.0	14,525.0	100 mesh sand 25.782 klbm; Ottawa Sand 30/50 sand 226.5 klbm; SuperDC 30/50 manmade proppant 39.251	7,531.35

Name = Stage 18

, Wolfcamp D, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
10/11/2013	Frac	Pioneer Pumping Services	14,103.0	14,285.0	100 mesh sand 0 klbm; Ottawa Sand 30/50 sand 0 klbm; SuperDC 30/50 manmade proppant 0 klbm	7,505.93

Name = Stage 19, Wolfcamp D, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
10/11/2013	Frac	Pioneer Pumping Services	13,863.0	14,045.0	100 Mesh Sand 28923 lbm; Super DC Resin Coated Sand 40326 lbm; White Sand 227594 lbm	9,098.00

Name = Stage 20, Wolfcamp D, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
10/12/2013	Frac	Pioneer Pumping Services	13,623.0	13,805.0	100 Mesh Sand 27136 lbm; Super DC Resin Coated Sand 42917 lbm; White Sand 227912 lbm	7,609.00

Name = Stage 21, Wolfcamp D, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
10/12/2013	Frac	Pioneer Pumping Services	13,383.0	13,565.0	100 Mesh Sand 0; Super DC Resin Coated Sand 0; White Sand 0	7,416.00

Name = Stage 22, Wolfcamp D, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
10/12/2013	Frac	Pioneer Pumping Services	13,143.0	13,325.0	100 Mesh Sand 0; Super DC Resin Coated Sand 0; White Sand 0	7,416.00

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Stimulations & Treatments (Actual)

Name = Stage 23, Wolfcamp D, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
10/12/2013	Frac	Pioneer Pumping Services	12,903.0	13,085.0	100 Mesh Sand 27841 lbm; Super DC Resin Coated Sand 40723 lbm; White Sand 229721 lbm	7,707.00

Name = Stage 24, Wolfcamp D, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
10/12/2013	Frac	Pioneer Pumping Services	12,663.0	12,845.0	100 Mesh Sand 26449 lbm; Super DC Resin Coated Sand 48830 lbm; White Sand 223255 lbm	7,584.00

Name = Stage 25, Wolfcamp D, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
10/13/2013	Frac	Pioneer Pumping Services	12,423.0	12,605.0	100 Mesh Sand 26716 lbm; Super DC Resin Coated Sand 44524 lbm; White Sand 226795 lbm	7,580.00

Name = Stage 26, Wolfcamp D, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
10/13/2013	Frac	Pioneer Pumping Services	12,183.0	12,365.0	100 Mesh Sand 0; Super DC Resin Coated Sand 0; White Sand 0	7,416.00

Name = Stage 27, Wolfcamp D, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
10/13/2013	Frac	Pioneer Pumping Services	11,943.0	12,125.0	100 Mesh Sand 0; Super DC Resin Coated Sand 0; White Sand 0	7,416.00

Name = Stage 28, Wolfcamp D, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
10/13/2013	Frac	Pioneer Pumping Services	11,703.0	11,885.0	100 Mesh Sand 0; Super DC Resin Coated Sand 0; White Sand 0	7,416.00

Name = Stage 29, Wolfcamp D, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
10/13/2013	Frac	Pioneer Pumping Services	114,636.0	11,645.0	100 Mesh Sand 0; Super DC Resin Coated Sand 0; White Sand 0	7,416.00

Name = Stage 30, Wolfcamp D, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
10/13/2013	Frac	Pioneer Pumping Services	11,223.0	11,405.0	100 Mesh Sand 25607 lbm; Super DC Resin Coated Sand 62213 lbm; White Sand 230120 lbm	7,781.00

Name = Stage 31, Wolfcamp D, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
10/14/2013	Frac	Pioneer Pumping Services	10,983.0	11,165.0	100 Mesh Sand 28034 lbm; Super DC Resin Coated Sand 20225 lbm; White Sand 246577 lbm	7,669.00

Zones

Zone Name	Top (ftKB)
Wolfcamp D	

Tubing Details

Tubing Description	Set Depth (ftKB)	Run Date

Tubing Components

Item Des	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)

Rod Strings

Rod Description	Set Depth (ftKB)	Run Date

Rod Components

Item Des	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)	Make	Model	SN

Other In Hole

Des	Top (ftKB)	Btm (ftKB)	OD (in)	Run Date	Pull Date	Com	String	Wellbore
Bridge Plug	18,150.0	18,149.0	5 1/2	10/8/2013				Original Hole
Bridge Plug	17,914.0	17,913.0	5 1/2	10/8/2013				Original Hole
Bridge Plug	17,670.0	17,669.0	5 1/2	10/9/2013				Original Hole
Bridge Plug	17,440.0	17,439.0	5 1/2	10/9/2013				Original Hole
Bridge Plug	17,194.0	17,193.0	5 1/2	10/9/2013				Original Hole
Bridge Plug	16,954.0	16,953.0	5 1/2	10/9/2013				Original Hole
Bridge Plug	16,720.0	16,719.0	5 1/2	10/9/2013				Original Hole
Bridge Plug	16,474.0	16,473.0	5 1/2	10/9/2013				Original Hole

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Other In Hole

Des	Top (ftKB)	Btm (ftKB)	OD (in)	Run Date	Pull Date	Com	String	Wellbore
Bridge Plug	16,234.0	16,233.0	5 1/2	10/10/2013				Original Hole
Bridge Plug	16,000.0	15,999.0	5 1/2	10/10/2013				Original Hole
Bridge Plug	15,754.0	15,753.0	5 1/2	10/10/2013				Original Hole
Bridge Plug	15,514.0	15,513.0	5 1/2	10/10/2013				Original Hole
Bridge Plug	15,284.0	15,283.0	5 1/2	10/10/2013				Original Hole
Bridge Plug	15,034.0	15,033.0	5 1/2	10/11/2013				Original Hole
Bridge Plug	14,794.0	14,793.0	5 1/2	10/11/2013				Original Hole
Bridge Plug	14,570.0	14,571.0	5 1/2	10/11/2013				Original Hole
Bridge Plug	14,324.0	14,325.0	5 1/2	10/11/2013				Original Hole
Bridge Plug	14,074.0	14,075.0	5 1/2	10/11/2013				Original Hole
Bridge Plug	13,834.0	13,833.0	5 1/2	10/12/2013				Original Hole
Bridge Plug	13,594.0	13,593.0	5 1/2	10/12/2013				Original Hole
Bridge Plug	13,364.0	13,365.0	5 1/2	10/12/2013				Original Hole
Bridge Plug	13,114.0	13,115.0	5 1/2	10/12/2013				Original Hole
Bridge Plug	12,874.0	12,873.0	5 1/2	10/12/2013				Original Hole
Bridge Plug	12,634.0	12,633.0	5 1/2	10/12/2013				Original Hole
Bridge Plug	12,394.0	12,393.0	5 1/2	10/13/2013				Original Hole
Bridge Plug	12,150.0	12,151.0	5 1/2	10/13/2013				Original Hole
Bridge Plug	11,914.0	11,915.0	5 1/2	10/13/2013				Original Hole
Bridge Plug	11,674.0	11,675.0	5 1/2	10/13/2013				Original Hole
Bridge Plug	11,434.0	11,433.0	5 1/2	10/13/2013				Original Hole
Bridge Plug	11,194.0	11,193.0	5 1/2	10/13/2013				Original Hole
Bridge Plug	10,960.0	10,959.0	5 1/2	10/14/2013				Original Hole
Bridge Plug	10,710.0	10,709.0	5 1/2	10/15/2013				Original Hole

Well Tests

Description					Volume Oil Total (bbl)		Volume Gas Total (MCF)		Volume Water Total (bbl)	
Start Date	End Date	Sz Dia Choke (in)	P Tub End (psi)	P Cas End (psi)	Com			Vol Oil Tot (bbl)	Vol Gas Tot (MCF)	Vol Water Tot (bbl)

Directional Survey

Date		Description								
7/3/2013		ACTUAL								
Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Unwrap Displace (ft)	Survey Company				
8/5/2013	0.00	0.00	0.00	0.00	0.00	Teledrift				
8/5/2013	120.00	0.00	0.00	120.00	0.00	Teledrift				
8/5/2013	200.00	0.60	237.80	200.00	0.42	Teledrift				
8/5/2013	287.00	0.40	228.80	287.00	1.18	Teledrift				
8/5/2013	390.00	0.50	190.80	389.99	1.94	Teledrift				
8/5/2013	580.00	0.20	235.80	579.99	3.03	Teledrift				
8/5/2013	660.00	0.10	201.80	659.99	3.23	Teledrift				
8/5/2013	791.00	0.30	224.80	790.99	3.68	Teledrift				
8/5/2013	980.00	0.20	211.80	979.99	4.50	Teledrift				
8/5/2013	1,168.00	0.10	136.80	1,167.99	4.90	Teledrift				
8/5/2013	1,357.00	0.10	58.80	1,356.99	5.16	Teledrift				
8/5/2013	1,546.00	0.00	206.80	1,545.98	5.33	Teledrift				
8/5/2013	1,735.00	0.20	182.80	1,734.98	5.66	Teledrift				
8/5/2013	1,869.00	0.00	355.80	1,868.98	5.89	Teledrift				
8/7/2013	1,949.00	0.53	355.80	1,948.98	6.26	Leam Drilling Systems, Inc.				
8/7/2013	2,043.00	0.65	280.52	2,042.98	7.03	Leam Drilling Systems, Inc.				
8/7/2013	2,137.00	1.18	285.79	2,136.97	8.53	Leam Drilling Systems, Inc.				
8/7/2013	2,231.00	1.05	287.20	2,230.95	10.36	Leam Drilling Systems, Inc.				
8/7/2013	2,326.00	0.74	272.08	2,325.94	11.83	Leam Drilling Systems, Inc.				
8/7/2013	2,420.00	1.18	276.04	2,419.92	13.40	Leam Drilling Systems, Inc.				
8/7/2013	2,513.00	0.97	287.82	2,512.91	15.14	Leam Drilling Systems, Inc.				
8/7/2013	2,607.00	0.70	290.81	2,606.90	16.51	Leam Drilling Systems, Inc.				
8/7/2013	2,702.00	0.97	285.62	2,701.89	17.89	Leam Drilling Systems, Inc.				

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Unwrap Displace (ft)	Survey Company
8/7/2013	2,796.00	0.92	287.64	2,795.87	19.44	Leam Drilling Systems, Inc.
8/7/2013	2,890.00	0.75	277.71	2,889.87	20.81	Leam Drilling Systems, Inc.
8/7/2013	2,985.00	0.26	245.01	2,984.86	21.62	Leam Drilling Systems, Inc.
8/7/2013	3,079.00	0.52	207.22	3,078.86	22.23	Leam Drilling Systems, Inc.
8/7/2013	3,174.00	0.79	178.74	3,173.85	23.28	Leam Drilling Systems, Inc.
8/7/2013	3,268.00	1.27	183.22	3,267.84	24.97	Leam Drilling Systems, Inc.
8/8/2013	3,362.00	1.14	198.78	3,361.82	26.93	Leam Drilling Systems, Inc.
8/8/2013	3,456.00	1.19	183.05	3,455.80	28.82	Leam Drilling Systems, Inc.
8/8/2013	3,550.00	1.14	185.34	3,549.78	30.73	Leam Drilling Systems, Inc.
8/8/2013	3,644.00	1.63	197.64	3,643.75	32.99	Leam Drilling Systems, Inc.
8/8/2013	3,739.00	1.58	195.53	3,738.71	35.65	Leam Drilling Systems, Inc.
8/8/2013	3,833.00	1.14	182.52	3,832.69	37.87	Leam Drilling Systems, Inc.
8/8/2013	3,977.00	1.18	181.81	3,976.66	40.78	Leam Drilling Systems, Inc.
8/8/2013	4,021.00	1.27	190.08	4,020.65	41.72	Leam Drilling Systems, Inc.
8/8/2013	4,115.00	0.87	170.74	4,114.63	43.45	Leam Drilling Systems, Inc.
8/8/2013	4,209.00	0.92	156.59	4,208.62	44.91	Leam Drilling Systems, Inc.
8/8/2013	4,398.00	0.79	151.58	4,397.60	47.73	Leam Drilling Systems, Inc.
8/8/2013	4,492.00	1.49	160.99	4,491.58	49.59	Leam Drilling Systems, Inc.
8/8/2013	4,586.00	1.18	153.69	4,585.55	51.78	Leam Drilling Systems, Inc.
8/8/2013	4,681.00	1.10	162.40	4,680.54	53.66	Leam Drilling Systems, Inc.
8/8/2013	4,776.00	1.36	155.10	4,775.51	55.70	Leam Drilling Systems, Inc.
8/8/2013	4,871.00	1.54	161.17	4,870.48	58.10	Leam Drilling Systems, Inc.
8/8/2013	4,967.00	1.10	164.95	4,966.46	60.31	Leam Drilling Systems, Inc.
8/8/2013	5,063.00	1.58	167.49	5,062.43	62.55	Leam Drilling Systems, Inc.
8/8/2013	5,158.00	1.05	172.41	5,157.41	64.73	Leam Drilling Systems, Inc.
8/8/2013	5,253.00	1.27	159.76	5,252.39	66.64	Leam Drilling Systems, Inc.
8/8/2013	5,346.00	1.23	173.56	5,345.36	68.66	Leam Drilling Systems, Inc.
8/8/2013	5,440.00	1.19	175.67	5,439.34	70.64	Leam Drilling Systems, Inc.
8/8/2013	5,535.00	0.99	157.65	5,534.33	72.43	Leam Drilling Systems, Inc.
8/8/2013	5,629.00	0.66	144.20	5,628.32	73.77	Leam Drilling Systems, Inc.
8/8/2013	5,723.00	0.26	164.24	5,722.31	74.52	Leam Drilling Systems, Inc.
8/8/2013	5,818.00	0.48	112.12	5,817.31	75.07	Leam Drilling Systems, Inc.
8/8/2013	5,913.00	0.70	102.28	5,912.31	76.05	Leam Drilling Systems, Inc.
8/8/2013	6,007.00	0.92	87.69	6,006.30	77.37	Leam Drilling Systems, Inc.
8/8/2013	6,101.00	0.79	102.19	6,100.29	78.76	Leam Drilling Systems, Inc.
8/8/2013	6,288.00	0.75	97.71	6,287.27	81.27	Leam Drilling Systems, Inc.
8/8/2013	6,382.00	1.19	88.57	6,381.26	82.86	Leam Drilling Systems, Inc.
8/8/2013	6,476.00	1.14	56.04	6,475.24	84.69	Leam Drilling Systems, Inc.
8/8/2013	6,571.00	1.05	51.56	6,570.22	86.50	Leam Drilling Systems, Inc.
8/8/2013	6,665.00	1.09	55.43	6,664.20	88.26	Leam Drilling Systems, Inc.
8/8/2013	6,760.00	1.18	46.55	6,759.19	90.13	Leam Drilling Systems, Inc.
8/8/2013	6,855.00	1.01	60.44	6,854.17	91.94	Leam Drilling Systems, Inc.
8/8/2013	7,044.00	1.27	76.53	7,043.13	95.66	Leam Drilling Systems, Inc.
8/8/2013	7,138.00	1.49	59.74	7,137.10	97.90	Leam Drilling Systems, Inc.
8/8/2013	7,232.00	1.23	4.93	7,231.08	99.88	Leam Drilling Systems, Inc.
8/8/2013	7,327.00	1.14	44.18	7,326.06	101.73	Leam Drilling Systems, Inc.
8/8/2013	7,422.00	1.09	61.14	7,421.04	103.56	Leam Drilling Systems, Inc.
8/8/2013	7,518.00	0.92	70.02	7,517.03	105.24	Leam Drilling Systems, Inc.
8/8/2013	7,612.00	0.79	102.19	7,611.02	106.59	Leam Drilling Systems, Inc.
8/16/2013	7,707.00	0.31	67.83	7,706.02	107.47	Leam Drilling Systems, Inc.
8/16/2013	7,801.00	0.22	270.33	7,800.02	107.58	Leam Drilling Systems, Inc.
8/16/2013	7,895.00	0.44	150.36	7,894.01	107.89	Leam Drilling Systems, Inc.
8/16/2013	7,990.00	0.40	149.74	7,989.01	108.59	Leam Drilling Systems, Inc.
8/16/2013	8,083.00	0.40	166.79	8,082.01	109.23	Leam Drilling Systems, Inc.
8/16/2013	8,177.00	0.40	153.52	8,176.01	109.88	Leam Drilling Systems, Inc.
8/16/2013	8,272.00	0.40	169.52	8,271.01	110.54	Leam Drilling Systems, Inc.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Unwrap Displace (ft)	Survey Company
8/16/2013	8,365.00	0.44	166.88	8,364.00	111.22	Leam Drilling Systems, Inc.
8/16/2013	8,459.00	0.97	129.97	8,458.00	112.33	Leam Drilling Systems, Inc.
8/16/2013	8,553.00	0.92	131.90	8,551.98	113.88	Leam Drilling Systems, Inc.
8/16/2013	8,647.00	1.32	160.20	8,645.97	115.66	Leam Drilling Systems, Inc.
8/16/2013	8,742.00	1.71	143.94	8,740.93	118.15	Leam Drilling Systems, Inc.
8/16/2013	8,836.00	1.93	142.95	8,834.88	121.13	Leam Drilling Systems, Inc.
8/16/2013	8,930.00	1.58	135.15	8,928.84	124.01	Leam Drilling Systems, Inc.
8/16/2013	9,024.00	1.36	138.40	9,022.81	126.42	Leam Drilling Systems, Inc.
8/16/2013	9,119.00	1.67	131.72	9,117.78	128.92	Leam Drilling Systems, Inc.
8/16/2013	9,213.00	1.54	115.73	9,211.74	131.53	Leam Drilling Systems, Inc.
8/16/2013	9,307.00	0.79	77.23	9,305.72	133.35	Leam Drilling Systems, Inc.
8/17/2013	9,400.00	1.36	86.02	9,398.70	135.09	Leam Drilling Systems, Inc.
8/17/2013	9,494.00	1.67	108.70	9,492.67	137.52	Leam Drilling Systems, Inc.
8/17/2013	9,588.00	1.36	97.71	9,586.64	140.00	Leam Drilling Systems, Inc.
8/17/2013	9,683.00	1.19	129.97	9,681.62	142.03	Leam Drilling Systems, Inc.
8/17/2013	9,777.00	0.88	142.27	9,775.60	143.72	Leam Drilling Systems, Inc.
8/17/2013	9,871.00	0.75	119.07	9,869.59	145.03	Leam Drilling Systems, Inc.
8/17/2013	9,990.00	0.75	119.07	9,988.58	146.58	Leam Drilling Systems, Inc.
8/17/2013	9,997.00	0.90	83.20	9,995.58	146.68	Leam Drilling Systems, Inc.
8/17/2013	10,028.00	1.00	84.40	10,026.58	147.19	Leam Drilling Systems, Inc.
8/17/2013	10,060.00	2.80	156.30	10,058.56	148.10	Leam Drilling Systems, Inc.
8/17/2013	10,091.00	7.50	170.70	10,089.43	150.87	Leam Drilling Systems, Inc.
8/17/2013	10,122.00	11.30	179.50	10,120.01	155.92	Leam Drilling Systems, Inc.
8/17/2013	10,154.00	13.90	180.20	10,151.24	162.90	Leam Drilling Systems, Inc.
8/17/2013	10,185.00	16.40	183.40	10,181.16	170.99	Leam Drilling Systems, Inc.
8/17/2013	10,217.00	18.90	182.30	10,211.65	180.69	Leam Drilling Systems, Inc.
8/17/2013	10,247.00	21.20	182.70	10,239.83	190.98	Leam Drilling Systems, Inc.
8/17/2013	10,279.00	22.30	180.20	10,269.55	202.83	Leam Drilling Systems, Inc.
8/17/2013	10,311.00	23.90	176.90	10,298.98	215.38	Leam Drilling Systems, Inc.
8/17/2013	10,341.00	25.30	176.20	10,326.26	227.87	Leam Drilling Systems, Inc.
8/17/2013	10,374.00	27.20	175.50	10,355.86	242.47	Leam Drilling Systems, Inc.
8/17/2013	10,405.00	29.40	176.20	10,383.15	257.16	Leam Drilling Systems, Inc.
8/17/2013	10,437.00	31.20	176.20	10,410.78	273.31	Leam Drilling Systems, Inc.
8/17/2013	10,468.00	33.80	176.20	10,436.92	289.96	Leam Drilling Systems, Inc.
8/17/2013	10,500.00	35.80	175.50	10,463.20	308.22	Leam Drilling Systems, Inc.
8/17/2013	10,531.00	37.50	176.00	10,488.07	326.73	Leam Drilling Systems, Inc.
8/17/2013	10,562.00	39.40	176.00	10,512.34	346.00	Leam Drilling Systems, Inc.
8/17/2013	10,594.00	41.30	174.60	10,536.73	366.72	Leam Drilling Systems, Inc.
8/17/2013	10,625.00	42.10	174.80	10,559.87	387.34	Leam Drilling Systems, Inc.
8/17/2013	10,656.00	42.70	175.30	10,582.77	408.24	Leam Drilling Systems, Inc.
8/17/2013	10,688.00	43.50	175.60	10,606.13	430.11	Leam Drilling Systems, Inc.
8/17/2013	10,720.00	44.10	175.80	10,629.23	452.26	Leam Drilling Systems, Inc.
8/17/2013	10,751.00	47.50	176.50	10,650.84	474.48	Leam Drilling Systems, Inc.
8/17/2013	10,783.00	51.10	176.70	10,671.70	498.73	Leam Drilling Systems, Inc.
8/17/2013	10,814.00	54.70	176.30	10,690.40	523.45	Leam Drilling Systems, Inc.
8/17/2013	10,845.00	59.00	176.50	10,707.34	549.40	Leam Drilling Systems, Inc.
8/17/2013	10,877.00	61.60	177.90	10,723.20	577.20	Leam Drilling Systems, Inc.
8/17/2013	10,908.00	64.70	178.50	10,737.20	604.85	Leam Drilling Systems, Inc.
8/17/2013	10,939.00	69.70	179.00	10,749.21	633.42	Leam Drilling Systems, Inc.
8/17/2013	10,972.00	75.80	180.00	10,758.99	664.92	Leam Drilling Systems, Inc.
8/17/2013	11,003.00	79.70	180.10	10,765.57	695.21	Leam Drilling Systems, Inc.
8/17/2013	11,034.00	81.30	179.60	10,770.68	725.78	Leam Drilling Systems, Inc.
8/17/2013	11,066.00	83.50	178.40	10,774.91	757.50	Leam Drilling Systems, Inc.
8/17/2013	11,097.00	87.50	177.20	10,777.35	788.40	Leam Drilling Systems, Inc.
8/17/2013	11,129.00	90.00	176.80	10,778.04	820.39	Leam Drilling Systems, Inc.
8/17/2013	11,284.00	91.70	171.40	10,775.74	975.31	Leam Drilling Systems, Inc.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Unwrap Displace (ft)	Survey Company
8/17/2013	11,379.00	91.50	169.40	10,773.09	1,070.26	Leam Drilling Systems, Inc.
8/17/2013	11,473.00	90.40	167.10	10,771.53	1,164.24	Leam Drilling Systems, Inc.
8/17/2013	11,568.00	90.50	164.10	10,770.78	1,259.23	Leam Drilling Systems, Inc.
8/17/2013	11,662.00	89.80	162.00	10,770.54	1,353.22	Leam Drilling Systems, Inc.
8/17/2013	11,756.00	90.10	161.00	10,770.62	1,447.22	Leam Drilling Systems, Inc.
8/17/2013	11,851.00	89.50	160.10	10,770.95	1,542.22	Leam Drilling Systems, Inc.
8/17/2013	11,945.00	90.00	159.80	10,771.36	1,636.22	Leam Drilling Systems, Inc.
8/17/2013	12,038.00	90.00	158.20	10,771.36	1,729.21	Leam Drilling Systems, Inc.
8/17/2013	12,132.00	90.20	158.90	10,771.20	1,823.21	Leam Drilling Systems, Inc.
8/17/2013	12,226.00	91.50	161.00	10,769.80	1,917.20	Leam Drilling Systems, Inc.
8/17/2013	12,321.00	92.90	160.60	10,766.16	2,012.12	Leam Drilling Systems, Inc.
8/17/2013	12,415.00	91.50	161.30	10,762.55	2,106.05	Leam Drilling Systems, Inc.
8/17/2013	12,510.00	89.30	162.60	10,761.89	2,201.04	Leam Drilling Systems, Inc.
8/17/2013	12,604.00	88.80	164.10	10,763.44	2,295.03	Leam Drilling Systems, Inc.
8/17/2013	12,698.00	90.40	163.60	10,764.10	2,389.02	Leam Drilling Systems, Inc.
8/17/2013	12,793.00	91.80	163.10	10,762.28	2,484.00	Leam Drilling Systems, Inc.
8/17/2013	12,887.00	90.80	164.30	10,760.14	2,577.97	Leam Drilling Systems, Inc.
8/17/2013	12,981.00	91.10	163.80	10,758.59	2,671.96	Leam Drilling Systems, Inc.
8/17/2013	13,076.00	91.00	165.70	10,756.84	2,766.94	Leam Drilling Systems, Inc.
8/17/2013	13,170.00	90.30	168.50	10,755.78	2,860.92	Leam Drilling Systems, Inc.
8/17/2013	13,264.00	89.20	170.10	10,756.19	2,954.92	Leam Drilling Systems, Inc.
8/17/2013	13,358.00	91.50	171.20	10,755.61	3,048.91	Leam Drilling Systems, Inc.
8/17/2013	13,453.00	89.30	171.20	10,754.95	3,143.90	Leam Drilling Systems, Inc.
8/17/2013	13,547.00	89.70	172.10	10,755.77	3,237.90	Leam Drilling Systems, Inc.
8/17/2013	13,641.00	87.80	172.90	10,757.82	3,331.87	Leam Drilling Systems, Inc.
8/17/2013	13,736.00	87.80	172.80	10,761.47	3,426.80	Leam Drilling Systems, Inc.
8/17/2013	13,830.00	89.50	172.60	10,763.68	3,520.77	Leam Drilling Systems, Inc.
8/17/2013	13,925.00	87.50	171.50	10,766.17	3,615.73	Leam Drilling Systems, Inc.
8/17/2013	14,018.00	86.10	170.30	10,771.36	3,708.58	Leam Drilling Systems, Inc.
8/17/2013	14,114.00	86.10	168.00	10,777.89	3,804.35	Leam Drilling Systems, Inc.
8/17/2013	14,208.00	86.40	167.50	10,784.04	3,898.15	Leam Drilling Systems, Inc.
8/17/2013	14,302.00	87.00	167.70	10,789.45	3,991.99	Leam Drilling Systems, Inc.
8/17/2013	14,396.00	86.80	165.60	10,794.53	4,085.85	Leam Drilling Systems, Inc.
8/17/2013	14,490.00	89.30	165.20	10,797.73	4,179.79	Leam Drilling Systems, Inc.
8/17/2013	14,585.00	90.00	164.70	10,798.31	4,274.79	Leam Drilling Systems, Inc.
8/17/2013	14,679.00	90.00	163.30	10,798.31	4,368.78	Leam Drilling Systems, Inc.
8/17/2013	14,773.00	89.20	164.00	10,798.97	4,462.78	Leam Drilling Systems, Inc.
8/17/2013	14,867.00	88.30	164.10	10,801.02	4,556.76	Leam Drilling Systems, Inc.
8/17/2013	14,961.00	88.60	164.10	10,803.56	4,650.72	Leam Drilling Systems, Inc.
8/17/2013	15,056.00	91.90	163.40	10,803.15	4,745.71	Leam Drilling Systems, Inc.
8/17/2013	15,150.00	92.00	163.30	10,799.95	4,839.65	Leam Drilling Systems, Inc.
8/17/2013	15,245.00	92.50	162.20	10,796.22	4,934.58	Leam Drilling Systems, Inc.
8/17/2013	15,340.00	92.20	162.00	10,792.32	5,029.50	Leam Drilling Systems, Inc.
8/17/2013	15,434.00	92.50	162.90	10,788.47	5,123.42	Leam Drilling Systems, Inc.
8/17/2013	15,508.00	92.10	162.60	10,785.50	5,197.36	Leam Drilling Systems, Inc.
8/17/2013	15,603.00	90.30	164.10	10,783.51	5,292.33	Leam Drilling Systems, Inc.
8/17/2013	15,697.00	88.80	163.40	10,784.25	5,386.32	Leam Drilling Systems, Inc.
8/17/2013	15,792.00	89.30	163.30	10,785.82	5,481.31	Leam Drilling Systems, Inc.
8/17/2013	15,887.00	90.10	163.30	10,786.32	5,576.31	Leam Drilling Systems, Inc.
8/17/2013	16,076.00	90.30	164.00	10,785.66	5,765.31	Leam Drilling Systems, Inc.
8/17/2013	16,170.00	91.00	164.10	10,784.60	5,859.30	Leam Drilling Systems, Inc.
8/17/2013	16,264.00	92.80	164.50	10,781.48	5,953.24	Leam Drilling Systems, Inc.
8/17/2013	16,359.00	88.40	166.10	10,780.48	6,048.21	Leam Drilling Systems, Inc.
8/17/2013	16,453.00	88.10	167.30	10,783.35	6,142.17	Leam Drilling Systems, Inc.
8/17/2013	16,548.00	88.10	167.70	10,786.50	6,237.11	Leam Drilling Systems, Inc.
8/17/2013	16,642.00	88.70	167.30	10,789.13	6,331.08	Leam Drilling Systems, Inc.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #10H

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Unwrap Displace (ft)	Survey Company
8/17/2013	16,736.00	90.00	168.40	10,790.20	6,425.07	Leam Drilling Systems, Inc.
8/17/2013	16,830.00	90.50	166.80	10,789.79	6,519.06	Leam Drilling Systems, Inc.
8/17/2013	16,924.00	89.20	166.40	10,790.03	6,613.06	Leam Drilling Systems, Inc.
8/17/2013	17,019.00	90.10	167.30	10,790.61	6,708.06	Leam Drilling Systems, Inc.
8/17/2013	17,114.00	90.20	169.40	10,790.36	6,803.05	Leam Drilling Systems, Inc.
8/17/2013	17,208.00	88.60	171.90	10,791.35	6,897.04	Leam Drilling Systems, Inc.
8/17/2013	17,303.00	91.00	172.10	10,791.68	6,992.03	Leam Drilling Systems, Inc.
8/17/2013	17,397.00	94.00	172.40	10,787.58	7,085.93	Leam Drilling Systems, Inc.
8/17/2013	17,492.00	90.80	172.40	10,783.60	7,180.83	Leam Drilling Systems, Inc.
8/17/2013	17,586.00	89.70	172.10	10,783.19	7,274.83	Leam Drilling Systems, Inc.
8/17/2013	17,680.00	89.70	172.10	10,783.68	7,368.83	Leam Drilling Systems, Inc.
8/17/2013	17,774.00	87.70	171.00	10,785.82	7,462.80	Leam Drilling Systems, Inc.
8/17/2013	17,869.00	87.80	170.80	10,789.55	7,557.72	Leam Drilling Systems, Inc.
8/17/2013	17,963.00	87.80	169.10	10,793.15	7,651.65	Leam Drilling Systems, Inc.
8/17/2013	18,057.00	88.10	168.90	10,796.52	7,745.59	Leam Drilling Systems, Inc.
8/17/2013	18,151.00	0.00	168.70	10,857.62	7,804.70	Leam Drilling Systems, Inc.
8/17/2013	18,245.00	89.80	168.90	10,917.59	7,864.46	Leam Drilling Systems, Inc.
8/17/2013	18,340.00	90.30	168.90	10,917.51	7,959.46	Leam Drilling Systems, Inc.
8/17/2013	18,434.00	90.90	168.50	10,916.52	8,053.46	Leam Drilling Systems, Inc.
8/17/2013	18,483.00	90.90	168.50	10,915.75	8,102.45	Leam Drilling Systems, Inc.