

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

API/UWI 42-461-38427-0000	Property Sub 927307-004	Operator PIONEER NATURAL RESRC USA INC	State TEXAS	County UPTON
Field Name SPRABERRY (TREND AREA)		Surface Legal Location 100' FSL/ 827' FWL, SEC: 4, BLK: 4, SVY: University Lands		
Spud Date 12/25/2013	TD Date 3/6/2014	Drilling Rig Release Date 3/11/2014	Frac Date 3/20/2014	On Production Date 5/1/2014
Ground Elevation (ft) 2,717.00	Original KB Elevation (ft) 2,739.00	PBTD (All) (ftGRD)	Total Depth (All) (ftGRD) Original Hole - 18,966.0	Total Depth All (TVD) (ftGRD) Original Hole - 8,723.9

Report #: 1 Daily Operation: 12/24/2013 12:00 - 12/25/2013 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 028790
Days From Spud (days) 0	Days on Location (days) 1	End Depth (ftGRD) -22.0
End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal) 9.00	Rig NABORS DRILLING, M58

Operations Summary

Walked rig and rigging up.

Remarks

Nabors M-58 Well (University 3-33-4H) Progress: 0 days since accepted, 0 days since spud

Rig NPT: 0 Hours for previous 24 hours, 6 Hours for month of December

Completion percentage: Surface 0%, Intermediate 0%, Curve 0%, Lateral 0%

Estimated time to spud: 08:00

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/24/2013 12:00	12/24/2013 14:00	2	MOBILIZATION	MIRU	MIRU	preparing to walk rig to the university 3- 33 4H
12/24/2013 14:00	12/24/2013 17:00	3	MOBILIZATION	MIRU	MIRU	Walked rig to the 3-33 4H add trolley beams as needed move flow line and shoot and level subs
12/24/2013 17:00	12/24/2013 18:00	1	MOBILIZATION	MIRU	MIRU	Install vibrator lines between subs and R/U main HPU install ground rods
12/24/2013 18:00	12/24/2013 20:00	2	MOBILIZATION	MIRU	MIRU	Rig up, removed clamps, Remove TIW valve, hooked up Geronimo line, weight buckets, flow line
12/24/2013 20:00	12/25/2013 00:30	4.5	MOBILIZATION	MIRU	MIRU	Continue to rig up lines and hoses from walk, repairing top drive, replacing seals
12/25/2013 00:30	12/25/2013 06:00	5.5	MOBILIZATION	MIRU	MIRU	Continue rig up, install new actuator valve, change out valves on shaker manifold, Install cellar cover, secure flow line, unload 8" drill collars, place cellar pumps in cellar, Changing out kelly hose

Report #: 2 Daily Operation: 12/25/2013 06:00 - 12/26/2013 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 028790
Days From Spud (days) 1	Days on Location (days) 2	End Depth (ftGRD) 181.0
End Depth (TVD) (ftGRD) 181.0	Dens Last Mud (lb/gal) 9.00	Rig NABORS DRILLING, M58

Operations Summary

Finish rigging up, rig safety check and acceptance, spudded in @17:30 12-25-2013

Remarks

Nabors M-58 Well (University 3-33-4H) Progress: .69 days since accepted, .52 days since spud

Rig NPT: 0 Hours for previous 24 hours, 6 Hours for month of December

Completion percentage: Surface 8%, Intermediate 0%, Curve 0%, Lateral 0%

Plan #1: High 1.3, Right 1.2, Distance from 3H 30.94'

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/25/2013 06:00	12/25/2013 08:30	2.5	MOBILIZATION	MIRU	MIRU	Remove kelly hose clamps from old hose and install them on new hose and hang back on derrick
12/25/2013 08:30	12/25/2013 12:00	3.5	MOBILIZATION	MIRU	MIRU	Working as directed by operator on loading bha on racks, strap, ID, OD collars and all subs in BHA string, R/U cellar pumps from cellar to reserve pit
12/25/2013 12:00	12/25/2013 13:00	1	UNPLAN	OTHR	U_OTR	cleaned floor and ready floor for BHA P/U
12/25/2013 13:00	12/25/2013 13:30	0.5	SAFETY	PRE-JOB SAFETY MEETING	SAFETY	Walk around safety inspection with company man, tool pusher, an Driller & fixing what was wrong Rig accepted @ 13:30 on the 12-25-2013

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/25/2013 13:30	12/25/2013 14:30	1	BHA	BHA HANDLING	BHA	P/U & M/U bit , bit sub, shock sub, stab,float sub, monal stab, & cross over
12/25/2013 14:30	12/25/2013 15:00	0.5	SURF-TIH	TRIP IN HOLE	TIH	Pre job safety meeting
12/25/2013 15:00	12/25/2013 17:30	2.5	SURF-TIH	TRIP IN HOLE	TIH	Trip in hole an tag @140', Rig up wireline survey, run first survey, trouble shoot tool, no survey Spud well @ 17:30 hrs 12-25-2013
12/25/2013 17:30	12/25/2013 18:00	0.5	SURF-CIRC	CIRCULATE	CIRC	Start circulating, filling pipe @ 83 gpm, taking returns into cellar
12/25/2013 18:00	12/25/2013 18:30	0.5	SURF-DRILL	DRILL SURFACE	DRL	Rotary drilling F/140' - T/145" , RPM-40, GPM-540, SPM-55/55, PP-175, WOB-5-10
12/25/2013 18:30	12/26/2013 01:30	7	SURF-DRILL	DRILL SURFACE	DRL	Rotate F/145 T /193 (48'- 6.8'fph) wob 6/10 rpm 30/45 gpm 400/600 pp- 120/175 parameters are low due to drilling out of conductor pipe and keep from walking off center and washing out around conductor pipe
12/26/2013 01:30	12/26/2013 02:00	0.5	SURF-DRILL	DRILL SURFACE	DRL	Laid out kelly joint and cross over due to washout.
12/26/2013 02:00	12/26/2013 04:15	2.25	SURF-DRILL	DRILL SURFACE	DRL	Rotary drilling F/193' - T/200', 7 ft @ 3.1 FPH, SPM- 55/55, RPM-40, WOB- 5-10, PP-160
12/26/2013 04:15	12/26/2013 05:00	0.75	SURF-DRILL	DRILL SURFACE	DRL	Running single shot survey, safety meeting prior to rig up, run wireline survey @ drilling depth 200' Survey @ 157', 1.0 degree INC @ 129.2 AZI
12/26/2013 05:00	12/26/2013 06:00	1	SURF-DRILL	DRILL SURFACE	DRL	Rotary drilling F/200' - T/203', 3 ft @ 3 FPH, PP-160, RPM-45, WOB-7 Drilling low parameters while drilling out of conductor pipe to prevent washout and deviation

Report #: 3 Daily Operation: 12/26/2013 06:00 - 12/27/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 028790
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig NABORS DRILLING, M58	
2	3	721.0	720.9	9.00		

Operations Summary

Rotate drilled, tripped for new bit, Rotate drilled and surveyed from 203' to 743'

Remarks

Nabors M-58 Well (University 3-33-4H) Progress: 1.69 days since accepted, 1.52 days since spud

Rig NPT: 0 Hours for previous 24 hours, 6 Hours for month of December

Completion percentage: Surface 75%, Intermediate 0%, Curve 0%, Lateral 0%

Plan #1: High 10, Left .99, Distance from 3H 25.66'

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/26/2013 06:00	12/26/2013 09:45	3.75	SURF-DRILL	DRILL SURFACE	DRL	Rotate (27'-7.2'fph) wob-20, rpm-40/60, gpm-549, Lost returns @ 230' pump 60 bbls @20 lb /per bbl sweep no return
12/26/2013 09:45	12/26/2013 10:00	0.25	SURF-DRILL	DRILL SURFACE	DRL	Rotate (2'- 8' fph) wob-20, rpm - 40/60, gpm-549,
12/26/2013 10:00	12/26/2013 11:15	1.25	UNPLANNED	Lost Circulation / Time spent while treating full	U_LC	Build 80 bbl pill @ 30 lb/bbl 15# PPB Agri plug 10# PPB Cal car 15# PPB Pronto plug
12/26/2013 11:15	12/26/2013 11:30	0.25	UNPLANNED	Lost Circulation / Time spent while treating full	U_LC	Pump pill @ 232'
12/26/2013 11:30	12/26/2013 12:15	0.75	TRIP OUT HOLE	TOOH	TOOH	Trip out hole for Bit change due to slow rop
12/26/2013 12:15	12/26/2013 13:30	1.25	UNPLANNED	Other - Anything not listed above	U_OTR	Leveling rig leaning to driller side
12/26/2013 13:30	12/26/2013 14:15	0.75	TRIP IN HOLE	TRIP IN HOLE	TIH	M/U Bit and TIH w/2 stds 8" collars
12/26/2013 14:15	12/26/2013 14:30	0.25	PLAN	DRLG	DEVSUR	Run single shot survey @ 194' 188' inc-1.1 AZIM- 167.4

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/26/2013 14:30	12/26/2013 17:15	2.75	SURF-DRILL	DRILL SURFACE	DRL	Rotate (55'- 20'fph), rpm-60/11-, wob-10/15, gpm-752, diff-396, pp-420
12/26/2013 17:15	12/26/2013 17:30	0.25	PLAN	DRLG	DEVSUR	Run single shot survey @ 249' 188 inc- 1.10 azim-167.48
12/26/2013 17:30	12/26/2013 19:15	1.75	SURF-DRILL	DRILL SURFACE	DRL	Rotate (103'-58.8' fph)) rpm-60/110, wob-10/15, gpm,-753 torque-3/8 K
12/26/2013 19:15	12/26/2013 19:45	0.5	PLAN	DRLG	DEVSUR	Run single shot survey @ 321' 249' inc-.70 azim-205.00
12/26/2013 19:45	12/26/2013 21:00	1.25	SURF-DRILL	DRILL SURFACE	DRL	Rotate (59'-47.2' fph) rpm-70/110, wob-10/15K, gpm-750,
12/26/2013 21:00	12/26/2013 22:00	1	UNPLANNED	Rig Repair (NON-CODE 8, Replacing Pump Expendables)	U_RIG_OTR	Change /replace pump expendables in #1 pump swab check module
12/26/2013 22:00	12/26/2013 22:45	0.75	SURF-DRILL	DRILL SURFACE	DRL	Rortary drill 31' @ 41 ft/hr, SPM-90/90, PP-500, GPM-750, RPM-90-110, WOB-10-15
12/26/2013 22:45	12/26/2013 23:15	0.5	PLAN	DRLG	DEVSUR	Single shot survey @411' 1.20 INC, 140.6 AZI
12/26/2013 23:15	12/27/2013 00:45	1.5	SURF-DRILL	DRILL SURFACE	DRL	Rotary drill 84' @ 56 fph, SPM-90/90, PP-600, GPM-750, Torque-3-8k, RPM-90-110
12/27/2013 00:45	12/27/2013 01:15	0.5	PLAN	DRLG	DEVSUR	Single shot survey @493' 1.10 INC, 150.20 AZI
12/27/2013 01:15	12/27/2013 03:45	2.5	SURF-DRILL	DRILL SURFACE	DRL	Rotary drilling 184 ft @ 73.6 ft/hr. SPM-100/100, PP-900, GPM-830, Torque-3-8k, RPM-90
12/27/2013 03:45	12/27/2013 04:15	0.5	PLAN	DRLG	DEVSUR	Single shot survey @ 679', 1.0 INC, 156.4 AZI
12/27/2013 04:15	12/27/2013 05:15	1	SURF-DRILL	DRILL SURFACE	DRL	Rotary drilling 26' @ 26 ft/hr, SPM-100/100, PP-900, GPM-830, RPM-100
12/27/2013 05:15	12/27/2013 06:00	0.75	UNPLAN	OTHR	U_OTR	Wash out in HWDP face, laying down two joints of HWDP and pick up two new joints

Report #: 4 Daily Operation: 12/27/2013 06:00 - 12/28/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 028790
Days From Spud (days) 3	Days on Location (days) 4	End Depth (ftGRD) 1,086.0	End Depth (TVD) (ftGRD) 1,085.9	Dens Last Mud (lb/gal) 9.00	Rig NABORS DRILLING, M58	

Operations Summary

Finish drilling F/743' to TD-1108, POOH to run 13.375" surface casing, run 13.375" csg from surf to 85.86'

Remarks

Nabors M-58 Well (University 3-33-4H) Progress: 2.69 days since accepted, 2.52 days since spud

Rig NPT: 0 Hours for previous 24 hours, 6 Hours for month of December

Completion percentage: Surface 100%, Intermediate 0%, Curve 0%, Lateral 0%

Plan #1: High 16.6' , Left .45', Distance from 3H 23.60'

Contacted Kay with TRRC @ 23:40 12/27/2013

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/27/2013 06:00	12/27/2013 06:30	0.5	UNPLANNED	Other - Anything not listed above	U_OTR	Layed down 2 jts HWDP due to washed out in the face
12/27/2013 06:30	12/27/2013 07:15	0.75	SURF-DRILL	DRILL SURFACE	DRL	Rotate (62'-82.6' fph) rpm-100, wob-13, gpm-836, torque-8800, pp-920
12/27/2013 07:15	12/27/2013 07:45	0.5	SURFACE - BHA	L/D SURFACE BHA	DRLG	Layed down 2 jts of HWDP due to washed out in the face
12/27/2013 07:45	12/27/2013 09:00	1.25	SURF-DRILL	DRILL SURFACE	DRL	Rotate (92'-73.6' fph) rpm-100, wob-7, gpm-836, pp-980, torque-5/9K
12/27/2013 09:00	12/27/2013 09:15	0.25	PLAN	DRLG	DEVSUR	Run single shot survey @ 859' inc-80 azim-195.50
12/27/2013 09:15	12/27/2013 10:00	0.75	SURF-DRILL	DRILL SURFACE	DRL	Rotate (55'- 73.3' fph) rpm-100, wob-10, gpm-836, pp-1030, torque-8/9K
12/27/2013 10:00	12/27/2013 10:30	0.5	PLAN	EQUIP	DPIPE	Layed down 2 jts of HWDP due to wash out in the face

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/27/2013 10:30	12/27/2013 11:30	1	SURF-DRILL	DRILL SURFACE	DRL	Rotate (67'- 67' fph) rpm-100, wob-16, gpm-836, pp-1030, torque-8/110K
12/27/2013 11:30	12/27/2013 12:00	0.5	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	Service rig (C/O filter on top drive,perform td drops, grease blocks, BJ,td, dw, ck brakes 3 hole
12/27/2013 12:00	12/27/2013 12:45	0.75	SURF-DRILL	DRILL SURFACE	DRL	Rotate (60'-80' fph) wob-15, rpm-100, gpm-836, pp-1148, torque -8/10K
12/27/2013 12:45	12/27/2013 13:00	0.25	PLAN	DRLG	DEVSUR	Run single shot survey @1041' inc-0.90, azim-160.70
12/27/2013 13:00	12/27/2013 13:30	0.5	SURF-DRILL	DRILL SURFACE	DRL	Rotate (29'-58' fph) rpm-100, wob-15,gpm-836, pp-1129, torque - 6/10 K
12/27/2013 13:30	12/27/2013 14:00	0.5	SURF-CIRC	CIRCULATE	CIRC	Circulate and cond mud and pump 50 bbl high vis sweep (No returns) worked pipe while circulate strokes 80/80 and 40 rpm
12/27/2013 14:00	12/27/2013 15:00	1	TRIP OUT HOLE	TOOH	TOOH	pulling out of hole laying down HWDP to change out due to all the washout in the faces
12/27/2013 15:00	12/27/2013 16:00	1	TRIP OUT HOLE	TOOH	TOOH	Trip out of hole with 4 stands of 8" drill collars
12/27/2013 16:00	12/27/2013 18:00	2	UNPLANNED	Other - Anything not listed above	U_OTR	Strapping old HWDP, and strap new HWDP to be picked up
12/27/2013 18:00	12/27/2013 19:00	1	TRIP IN HOLE	TRIP IN HOLE	TIH	Trip in hole with 4 stands of 8" drill collars
12/27/2013 19:00	12/27/2013 21:00	2	TRIP IN HOLE	TRIP IN HOLE	TIH	Pick up crossover, 21 joints of HWDP & DP
12/27/2013 21:00	12/27/2013 22:30	1.5	CIRC	CIRCULATE	CIRC	wash to bottom, no fill @ 1108', circulate pumping two hi vis sweeps while working pipe, SPM-80/80, PP-450, RPM-30
12/27/2013 22:30	12/28/2013 00:15	1.75	TRIP OUT HOLE	TOOH	TOOH	Trip out of hole, 7 stands of HWDP, 4 stands of 8" drill collars
12/28/2013 00:15	12/28/2013 01:45	1.5	TRIP OUT HOLE	TOOH	TOOH	Lay down 1 drill collar, 2 stabilizers, Float sub, Monel, shock sub and bit
12/28/2013 01:45	12/28/2013 04:15	2.5	SURF-CASE	RUN SURFACE CASING	CASE	Rig up to run casing, conduct safety meeting with Tesco, rig up hydraulic lines, control panel, back up wrench bracket, CRT tool, made up CRT tool to 28,000, rig up air slips, tong head
12/28/2013 04:15	12/28/2013 06:00	1.75	SURF-CASE	RUN SURFACE CASING	CASE	Conduct safety meeting with Tesco casing crew and rig crew, make up 1 jt. shoe track with texas pattern shoe, float collar, 1jt. 13 3/8" 54.5 ppf j-55 csg, float collar, run 13 3/8" csg from surf to 85.86'

Report #: 5 Daily Operation: 12/28/2013 06:00 - 12/29/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 028790
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	
4	5	1,086.0	1,085.9	9.00	NABORS DRILLING, M58	

Operations Summary

Finished running 13.375" surface casing to 1108', Cemented with 284 bbls of 13.6#/gal slurry

Remarks

Nabors M-58 Well (University 3-33-4H) Progress: 3.69 days since accepted, 3.52 days since spud

Rig NPT: 0 Hours for previous 24 hours, 6 Hours for month of December

Completion percentage: Surface 100%, Intermediate 0%, Curve 0%, Lateral 0%

Plan #1: High 16.6', Left .45', Distance from 3H 23.60'

Contacted Kay with TRRC @ 23:40 12/27/2013

Recieved approval from Mr. Bill Spraggins with TRRC @ 20:30 12-28-2013

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/28/2013 06:00	12/28/2013 07:00	1	SURF-CASE	RUN SURFACE CSG	CASE	Run 13 3/8 54.5 ppf - J-55 - BTC Casing to 128.67'

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/28/2013 07:00	12/28/2013 07:30	0.5	PLAN	DRLG	CSG	R/U casing tongs due to CRT cross threading jt of pipe
12/28/2013 07:30	12/28/2013 10:45	3.25	SURF-CASE	RUN SURFACE CSG	CASE	Finish running total of 27 jts. 13 3/8" 54.5 ppf - J-55 - BTC casing to total depth 1108'. Washed tight spot @ 884' with 60 stks 244 gpm with no returns. Casing Landed @ 10:45 hrs 12/28/2013.
12/28/2013 10:45	12/28/2013 12:00	1.25	PLAN	DRLG	CSG	R/D casing crew and crt tool. R/U cement head and load plug with tattle tail wire. R/U 18 ft. bales and elevators.
12/28/2013 12:00	12/28/2013 12:45	0.75	PLAN	WLCOND	CIRC	Circulate casing capacity 180 bbls 1800 stks@ 5 bbl/min, with no returns
12/28/2013 12:45	12/28/2013 13:15	0.5	PLAN	PERS	SFTY	PJSM with rig crews and cementers
12/28/2013 13:15	12/28/2013 15:30	2.25	SURF-CMT	CEMENT SURFACE CSG	CMT	Cementing w/ schumberger flush lines with 20 bbls of water, tested lines to 3000 psi, pumped 20 bbl spacer, 285 bbl lead @ 13.6 ppg, 161 bbl displacement bump plug (3 bbls early) pressure up to 821 psi, held pressure for 5 mins. Bleed back .5 bbls, Floats holding. No returns during complete cement job. Lift PSI: 20 bbls - 125 Psi 50 bbls - 88 Psi 100 bbls - 161 psi 150 bbls - 172 Psi 160 bbls - 182 Psi Cement in place 15:30 hrs, 12/28/2013
12/28/2013 15:30	12/28/2013 15:45	0.25	PLAN	DRLG	CMTPRI	R/D cementers
12/28/2013 15:45	12/28/2013 16:15	0.5	PLAN	DRLG	DEVSUR	R/U & run gyro from 1056' to surface taking 100' stations.
12/28/2013 16:15	12/28/2013 16:30	0.25	SAFETY	PRE-JOB SAFETY MEETING	SAFETY	PJSM 3rd party wire line
12/28/2013 16:30	12/28/2013 19:00	2.5	PLAN	DRLG	WIRELN	Run temp log from 1050' to 30'. Cement top at 230'.
12/28/2013 19:00	12/28/2013 19:15	0.25	PLAN	DRLG	WIRELN	Rig down wireline sheeve.
12/28/2013 19:15	12/28/2013 20:30	1.25	SURF-CMT	CEMENT SURFACE CASING	CMT	Load five (5) yards of pea gravel into 20" conductor annulus prior to top off job. Added 250 lbs of CaCl2 mixed with pea gravel.
12/28/2013 20:30	12/28/2013 21:00	0.5	UNPLANNED	Cementing problems including all time for remedial	U_CMT	Rig service, topdrive, brakes and drawworks
12/28/2013 21:00	12/28/2013 22:30	1.5	UNPLANNED	Cementing problems including all time for remedial	U_CMT	Dumped 2 yards of pea gravel, added 1200#s, 12 sxs of barite to top of pea gravel, added 250# CaCl2 to top of barite.
12/28/2013 22:30	12/29/2013 01:30	3	UNPLANNED	Cementing problems including all time for remedial	U_CMT	Make up 120 ft of 1" toff pipe, run 100 ft into 20" annulus and pump 100 bbls of 14.8# 94#/sx cement, 2% BWOB CaCl2 @ 180 psi, 1.2 bbl/min, No returns to surface
12/29/2013 01:30	12/29/2013 03:30	2	SURF-CMT	CEMENT SURFACE CSG	CMT	Flush out 1" line, pull from annulus, shovel 5 yards of pea gravel, cut rope and mud sacks dusted with CaCl2 into 20" annulus
12/29/2013 03:30	12/29/2013 05:00	1.5	SURF-CMT	CEMENT SURFACE CSG	CMT	Working cut rope and loose mud sack material and pea gravel into 20" annulus, washing with water and adding more pea gravel. Having to work loose sacks into annulus with push sticks and water
12/29/2013 05:00	12/29/2013 06:00	1	UNPLANNED	Cementing problems including all time for remedial	U_CMT	Rigging up pump truck to wash loose paper material and pea gravel down the 20" annulus with high pressure water.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Report #: 6 Daily Operation: 12/29/2013 06:00 - 12/30/2013 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 028790
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Days From Spud (days) 5	Days on Location (days) 6	End Depth (ftGRD) 1,086.0	End Depth (TVD) (ftGRD) 1,085.9	Dens Last Mud (lb/gal) 9.90	Rig NABORS DRILLING, M58
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Operations Summary
Topped out cement in 20", welded 13 5/8" SOW, nipples up BOP stack and tested BOP stack and all surface equipment and floor valves

Remarks
Nabors M-58 Well (University 3-33-4H) Progress: 4.69 days since accepted, 4.52 days since spud

Rig NPT: 0 Hours for previous 24 hours, 6 Hours for month of December

Completion percentage: Surface 100%, Intermediate 0%, Curve 0%, Lateral 0%

Plan #1: High 16.6', Left .45', Distance from 3H 23.60'

Received approval from Mr. Bill Spraggins with TRRC @ 20:30 12-28-2013

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/29/2013 06:00	12/29/2013 07:15	1.25	DRLR1	DRLG	CMTPRI	washed loose paper product material and pea gravel down 20" annulus with water while adding more pea gravel
12/29/2013 07:15	12/29/2013 07:45	0.5	SURF-CMT	CEMENT SURFACE CASING	CMT	Add 3 jts of 1 inch pipe to get to 120' below ground level
12/29/2013 07:45	12/29/2013 08:45	1	PLAN	DRLG	CMT	Made rough cut on surface pipe and L/D out of way and tack plate over surface pipe
12/29/2013 08:45	12/29/2013 09:45	1	PLAN	DRLG	CMT	Pumped 24 bbls of high vis mud using 20 gals of vis master @ 20 GPM got returns
12/29/2013 09:45	12/29/2013 10:30	0.75	PLAN	DRLG	CMT	2nd top out pumped 32 bb of cement of 14.8 lb/gal with returns D903 cement @94.0lb/sk WBWOB, S001 CAC12 2.0%BWOB
12/29/2013 10:30	12/29/2013 11:00	0.5	PLAN	DRLG	CSG	Pulled 1" pipe out of hole and washed out
12/29/2013 11:00	12/29/2013 15:00	4	UNPLANNED	Cementing problems including all time for remedial	U_CMT	R/d cementers lines, clear floor of all excess tools, 18' bales and elevators, slips & horse shoe, R/U rig bales, elevators, center casing, Make final cut on 13 3/8 casing and prep to install wellhead
12/29/2013 15:00	12/29/2013 18:00	3	UNPLANNED	Cementing problems including all time for remedial	U_CMT	Shovel out two (2) feet of cement from around conductor pipe, clean out cellar for welder to set up work area.
12/29/2013 18:00	12/29/2013 19:15	1.25	WLHEAD	WELLHEAD	WLHEAD	Welder cutting 13.375" casing to install SOW, 13 5/8" X 5M wellhead, cut to 18" below ground, tested weld to 375#, held 10 mins, pressure test witnessed by on tour Co. Rep.
12/29/2013 19:15	12/29/2013 23:45	4.5	SURF-NU/TEST-SURF	NIPPLE UP/TEST	NU/TEST	Remove mouse hole, install and nipple up BOPs, choke line, flow line, hydraulic lines, secured stack with turnbuckles, begin testing to drive back to mud pumps @ 250# low, 2500# high, held 5 mins each.
12/29/2013 23:45	12/30/2013 03:15	3.5	NU/TEST	NIPPLE UP/TST	NU/TEST	Rig up tester, change out rubbers on test plug, test pipe rams, blind rams, annular, choke lines and floor valves, and kill line, 250# low, 2500# high, hold for five (5) mins, all tests good
12/30/2013 03:15	12/30/2013 04:15	1	PLAN	EQUIP	WLHEAD	Change out rubbers on test plug
12/30/2013 04:15	12/30/2013 06:00	1.75	PLAN	EQUIP	WLHEAD	Finished testing bop's kill line, choke manifold all test good, installing check valve,

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Report #: 7 Daily Operation: 12/30/2013 06:00 - 12/31/2013 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 028790
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Days From Spud (days) 6	Days on Location (days) 7	End Depth (ftGRD) 2,028.0	End Depth (TVD) (ftGRD) 2,027.7	Dens Last Mud (lb/gal) 9.90	Rig NABORS DRILLING, M58
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Operations Summary
Break apart BHA assembly and inspect with SMITH for damaged pins and boxes, Pick up new BHA and trip in hole to cement @ 1053 ft, test 13.375" casing to 1024#, held 30 mins, OK, drilled shoe track and into intermediate hole.

Remarks
Nabors M-58 Well (University 3-33-4H) Progress: 5.69 days since accepted, 5.52 days since spud

Rig NPT: 0 Hours for previous 24 hours, 6 Hours for month of December

Completion percentage: Surface 100%, Intermediate 13%, Curve 0%, Lateral 0%

Plan #1: High 25.6', Left 16.2', Distance from 3H: 61.9' @ 1,823"

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/30/2013 06:00	12/30/2013 07:00	1	PLAN	EQUIP	BOPS	Finished testing BOPS, check pressure on Accumulator pressure and times verified and witnessed by company rep, & tool pusher
12/30/2013 07:00	12/30/2013 07:30	0.5	PLAN	EQUIP	BOPS	Installed wear bushing and screw in lock downs witness by company man on tour
12/30/2013 07:30	12/30/2013 08:00	0.5	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	Did a complete rig services
12/30/2013 08:00	12/30/2013 12:00	4	BHA	BHA HANDLING	BHA	PJSM on picking up Directional tools, p/u & m/u 2 slick monels, mule shoe, shock sub, float sub, mud motor, check all breaks with rig tongs to verified torque, scribe motor and put in MWD & test same (good), p/u single 8" collar & xo & put on
12/30/2013 12:00	12/30/2013 14:00	2	TRIP IN HOLE	TRIP IN HOLE	TIH	Trip in hole with directional tools & Collars breaking every conn. cleaning and visal check threads and face w/ SMITH, all good.
12/30/2013 14:00	12/30/2013 15:00	1	SURF-CIRC	CIRCULATE	CIRC	Finished trip in hole with HWDP and strap in hole to 1053' tag cement @ 1053'
12/30/2013 15:00	12/30/2013 16:30	1.5	PLAN	WLCOND	CIRC	Circulate and fill pipe circulate air out in preparing for casing test worked pipe while cir.
12/30/2013 16:30	12/30/2013 17:00	0.5	INT-TST CSG/DO/FIT	TEST CSG/DRILL OUT/FIT	TEST CSG/DRI LL OUT/FIT	Test casing to 1024 psi tested good for 30 mins
12/30/2013 17:00	12/30/2013 18:00	1	INT-TST CSG/DO/FIT	TEST CSG/DRILL OUT/FIT	TEST CSG/DRI LL OUT/FIT	Drill plug float collar, shoe track, float collar 1053' to 1108'
12/30/2013 18:00	12/30/2013 23:15	5.25	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotary drill 499 ft @ 95 ft/hr, SPM-85, RPM-100, GPM- 500 staged up to 706 GPM, Diff-140-300, WOB-14
12/30/2013 23:15	12/31/2013 00:00	0.75	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide drill 20ft @ 26 ft/hr, WOB-8, GPM-707. Diff-150, at 0 degrees, MMRPM-113
12/31/2013 00:00	12/31/2013 01:00	1	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate drill 75 ft @ 75 ft/hr, RPM-100, GPM-707, WOB-14, PP-1874, Torq-1345 adding 5 bbl/hr fresh water to system
12/31/2013 01:00	12/31/2013 02:00	1	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide drill 20 ft @ 20 ft/hr, @ 0 degree, WOB-14, RPM-100, PP-1750, Diff-280, GPM-707
12/31/2013 02:00	12/31/2013 03:00	1	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate drill 77ft @ 77 ft/hr, WOB-14, RPM-100, GPM-707, PP-1630, Torq-3700
12/31/2013 03:00	12/31/2013 03:30	0.5	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide drill 23 ft @ 46 ft/hr, @ 30 left, PP-1518, Diff-105, GPM-706, MMRPM-113
12/31/2013 03:30	12/31/2013 04:30	1	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate drill 68ft @ 68 ft/hr, PP-1670, GPM-706, WOB-14, Diff-155, SPM-170, Torque-3700
12/31/2013 04:30	12/31/2013 05:15	0.75	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide drill 25 ft @ 33 ft/hr @ 50 Mag, GPM-706, PP-1659, Diff-264, SPM-170, MMRPM-113
12/31/2013 05:15	12/31/2013 06:00	0.75	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate drill 135 ft @ 180 ft/hr, WOB-14, PP-1735, RPM-100, GPM-706, Torque-3800

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Report #: 8 Daily Operation: 12/31/2013 06:00 - 1/1/2014 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 028790
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Days From Spud (days) 7	Days on Location (days) 8	End Depth (ftGRD) 3,453.0	End Depth (TVD) (ftGRD) 3,452.1	Dens Last Mud (lb/gal) 8.75	Rig NABORS DRILLING, M58
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Operations Summary
Drilled intermediate hole section from 2050' to 3298', changed out mud from brine to gel water, continue drilling intermediate hole section to 3475'

Remarks
Nabors M-58 Well (University 3-33-4H) Progress: 6.69 days since accepted, 6.52 days since spud

Rig NPT: 0 Hours for previous 24 hours, 6 Hours for month of December

Completion percentage: Surface 100%, Intermediate 33%, Curve 0%, Lateral 0%

Plan #1 Right 23.30' High 7.20" Distance from 3H: 118.76' @ 3335'

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/31/2013 06:00	12/31/2013 12:45	6.75	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate (587'-86.9'-fph) rpm-100/85 , wogb12/20, gpm-714, diff-280, & increase to rpm115/90 wob-wob , gpm-840, @2470
12/31/2013 12:45	12/31/2013 14:00	1.25	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide (50'-100'fph) rpm-134/100, gpm840, diff 260 tool face MTF 270
12/31/2013 14:00	12/31/2013 14:30	0.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate (44'-88' fph) rpm-115/134, wob-12/20, gpm-840, diff-500, 8/10K torque,
12/31/2013 14:30	12/31/2013 15:00	0.5	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide (30'-30'fph) rpm-134, wob-10/15, gpm-840, diff-200/300, tool face-210
12/31/2013 15:00	12/31/2013 17:30	2.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate (289'-115.6'fph) rpm-115/132, gpm-840, diff-500/600, 8/10 torque, wob-20
12/31/2013 17:30	12/31/2013 18:00	0.5	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	Service rig grease top drive, blocks, draw works, blackjack top drive drops performed, y-strainer, oil level good, adjust brakes (ok)
12/31/2013 18:00	12/31/2013 18:30	0.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate drill 59 ft @ 118 ft/hr, RPM-115, WOB-20, SPM-200, GPM-840, PP-2840, Torque-8800
12/31/2013 18:30	12/31/2013 20:15	1.75	INT-DRILL-TAN	DRILL INT TANGENT-SLIDE	DRL-SLIDE	Slide drill 50ft @ 28.5ft/hr @ 220 Mag, WOB-15, Diff-280, SPM-200, GPM-840, PP-2800,
12/31/2013 20:15	12/31/2013 20:45	0.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate drill 44 ft @ 88 ft/hr, RPM-115, WOB-20, SPM-200, GPM-840, PP-3000#, Torque-8800
12/31/2013 20:45	12/31/2013 22:00	1.25	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide drill 40 ft @ 32 ft/hr @ 240 Mag, WOB-20, SPM-200, GPM-840, PP-2800, Diff-260
12/31/2013 22:00	12/31/2013 22:30	0.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate drill 55 ft @ 110 ft/hr, SPM-200, GPM-840, RPM-115, WOB-20, PP-2900#
12/31/2013 22:30	1/1/2014 00:15	1.75	CIRC	CIRCULATE	CIRC	Displace brine mud system with water base mud, SPM-65, GPM-275 water base mud 8.7#, 34 vis, @ 3298'
1/1/2014 00:15	1/1/2014 00:45	0.5	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	Rig service, top drive, brakes, TM-80
1/1/2014 00:45	1/1/2014 01:45	1	CIRC	CIRCULATE	CIRC	Circulate and condition new mud, while transferring remainder of volume from frac tanks.
1/1/2014 01:45	1/1/2014 02:00	0.25	CIRC	CIRCULATE	CIRC	Changed out shaker screens
1/1/2014 02:00	1/1/2014 05:15	3.25	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate drill 158 ft @ 48 ft/hr, RPM-115, WOB-20, SPM-130, GPM-540, PP-1400
1/1/2014 05:15	1/1/2014 06:00	0.75	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide drill 19 ft @ 25 ft/hr @ 240 Mag, SPM-150, GPM-640, PP-1800, Diff-200

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Report #: 9 Daily Operation: 1/1/2014 06:00 - 1/2/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 028790		
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig			
8	9	4,158.0	4,157.0	9.25	NABORS DRILLING, M58			

Operations Summary
Rot-Slide Drill intermediate hole section F/3,475', T/3,865', Lubricate Rig, Rot Drill intermediate hole section F/3,865', T/4,180', CTCH, Check Flow, Lubricate Rig, TOO, Lay down BHA, remove and inspect wearbushing.

Remarks
Nabors M-58 Well (University 3-33-4H) Progress: 6.69 days since accepted, 6.52 days since spud
Rig NPT: 0 Hours for previous 24 hours, 0 Hours for month of January.
Completion percentage: Surface 100%, Intermediate 45%, Curve 0%, Lateral 0%
Plan #1 Right 19.8' Low 8.5' Distance from 3H: 108.2' @ 4092'

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/1/2014 06:00	1/1/2014 07:30	1.5	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide (50'-33.3' fph) rpm-100 gpm-630, diff-200, wob-12 , 240 MTF
1/1/2014 07:30	1/1/2014 08:00	0.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate (57'-114' fph) rpm-115/107, wob-20, gpm672, diff-300,9/10 K,
1/1/2014 08:00	1/1/2014 09:30	1.5	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide (50'-33.3 fph) rpm-107, wob-25, gpm-672, diff-350, 260 -MTF
1/1/2014 09:30	1/1/2014 13:30	4	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate (233'-58.2' fph) rpm-115/107, gpm-672, wob-20, diff-200, @ 3700' increased pumps to 714 gpm, wob-18/22,
1/1/2014 13:30	1/1/2014 14:00	0.5	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	service rig, & top drive, blocks, draw works, black jack, top drive drops preformed, adjust brakes, oil level,good,change lube
1/1/2014 14:00	1/1/2014 21:30	7.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate (315'-42'fph) rpm-115/90, wob-20-30K, gpm-714, diff-350, torque -8/9K, Adjusting paramaters to increase ROP. Decision was made to pull out of hole for new bit due to low ROP.
1/1/2014 21:30	1/1/2014 22:15	0.75	CIRC	CIRCULATE	CIRC	Circulate 40bbl hi vis sweep, @ 715 GPM, 2100 psi SPP, 100 RPM, reciprocating pipe while circulating out sweep.
1/1/2014 22:15	1/1/2014 22:30	0.25	CIRC	CIRCULATE	CIRC	Flow check prior to TOO, well static.
1/1/2014 22:30	1/1/2014 23:00	0.5	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	Lubricate and inspect topdrive, and drawworks.
1/1/2014 23:00	1/2/2014 04:00	5	TRIP OUT HOLE	TOOH	TOOH	TOOH F/4,180', T/BHA, monitoring well on trip tank, hole taking proper fill.
1/2/2014 04:00	1/2/2014 05:30	1.5	BHA	BHA HANDLING	BHA	Drain motor, break bit, remove mwd, and lay down motor.
1/2/2014 05:30	1/2/2014 06:00	0.5	BHA	BHA HANDLING	BHA	Remove and inspect wearbushing, clean up rig floor.

Report #: 10 Daily Operation: 1/2/2014 06:00 - 1/3/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 028790		
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig			
9	10	5,545.0	5,543.9	9.05	NABORS DRILLING, M58			

Operations Summary
L/D Motor, Remove and Inspect wearbushing (no wear), Lubricate rig, P/U new BHA, TIH, Rot-Sld Drill intermediate F/4180', T/4,715', NPT-Nabors (could not break out of stump on connection), Lubricate rig, Rot-Sld Drill intermediate F/4,715', T/5,567.

Remarks
Nabors M-58 Well (University 3-33-4H) Progress: 8.69 days since accepted, 8.52 days since spud
Rig NPT: .5 Hours for previous 24 hours, .5 Hours for month of January.
Completion percentage: Surface 100%, Intermediate 65%, Curve 0%, Lateral 0%
Plan #1 Right 16.2' Low 11' Distance from 3H: 189' @ 5,404'

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/2/2014 06:00	1/2/2014 07:00	1	BHA	BHA HANDLING	BHA	Breakout and LD Directional BHA #3. Inspect Wear Bushing, No wear, Re-installed same.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/2/2014 07:00	1/2/2014 07:30	0.5	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	Rig Service - Top Drive
1/2/2014 07:30	1/2/2014 10:00	2.5	BHA	BHA HANDLING	BHA	PU/MU Directional BHA #4. PU and Dial in Motor to 1.83". Scribe motor, install muleshoe sleeve, Install MWD and test same. Test good. MU Bit and PU Monel.
1/2/2014 10:00	1/2/2014 13:00	3	TRIP IN HOLE	TRIP IN HOLE	TIH	TIH with Directional BHA # 4, F/ 109' T/ 4054'. Hole displacing properly. Wash and Ream last stand down T/ 4180'.
1/2/2014 13:00	1/2/2014 18:00	5	INT-DRILL-TAN	DRILL INT TANGENT-ROTATE	DRL-ROT	Rotate (347'-69.4' fph) rpm-100/114, wob-25, gpm714, diff-400, 9/10K torque. Adjusting parameters for harder formation.
1/2/2014 18:00	1/2/2014 19:15	1.25	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide (63'-50.4' fph) mrpm-117, wob-55, gpm714, spp-2350 diff-250, tfo-200.
1/2/2014 19:15	1/2/2014 20:30	1.25	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate (125'-100' fph) rpm-100, wob-15-25, gpm714, spp-2350 diff-400, 9-13K torque.
1/2/2014 20:30	1/2/2014 21:00	0.5	UNPLANNED	Rig Repair (CODE 8, Rig Repair)	U_RIG	Could not get topdrive to break out of stump on connection, had to break clamps off of tiw valve, and break out from hydraulic valve on topdrive, to allow room to use tongs to break out of stump, inspected connection on valve, and box of dp, everything looked good, re torqued valve to topdrive, and made clamps back up.
1/2/2014 21:00	1/2/2014 21:30	0.5	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	Inspect and lubricate topdrive and drawworks while making clamp back up on topdrive valves.
1/2/2014 21:30	1/3/2014 03:30	6	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate (662'-110.5' fph) rpm-100, wob-15-25, gpm714, spp-2350 diff-400, 9-13K torque.
1/3/2014 03:30	1/3/2014 04:30	1	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide (20'-20' fph) mrpm-117, wob-55, gpm714, spp-2350 diff-250, tfo-150.
1/3/2014 04:30	1/3/2014 06:00	1.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate (170'-113.33' fph) rpm-100, wob-15-25, gpm714, spp-2350 diff-400, 9-13K torque. Conducted BOP drill. 5 sec reaction, 35 sec total.

Report #: 11 Daily Operation: 1/3/2014 06:00 - 1/4/2014 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 028790
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Days From Spud (days) 10	Days on Location (days) 11	End Depth (ftGRD) 6,582.0	End Depth (TVD) (ftGRD) 6,580.8	Dens Last Mud (lb/gal) 8.75	Rig NABORS DRILLING, M58
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Operations Summary

Rot-Sld Drill intermediate F/5,560', T/5,950', Lubricate rig, Displace wellbore with 8.8 ppg fresh water gel mud, Rot-Sld Drill F/5,950', T/6,323', Lubricate rig, Rot-Slide Drill intermediate F/6,323', T/6,604'.

Remarks

Nabors M-58 Well (University 3-33-4H) Progress: 9.69 days since accepted, 9.52 days since spud

Rig NPT: 0 Hours for previous 24 hours, .5 Hours for month of January.

Completion percentage: Surface 100%, Intermediate 80%, Curve 0%, Lateral 0%

Plan #1 Right 22.5' Ahead 1' Distance from 3H: 296' @ 6604'

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/3/2014 06:00	1/3/2014 07:00	1	INT-DRILL-TAN	DRILL INT TANGENT-SLIDE	DRL-SLIDE	Slide (25'-25' fph) mrpm-117, wob-12, gpm714, spp-2400 diff-200, mtf-230.
1/3/2014 07:00	1/3/2014 11:00	4	INT-DRILL-TAN	DRILL INT TANGENT-ROTATE	DRL-ROT	Rotate (358' @ 90' fph) rpm-80, wob-20-25, gpm714, spp-2800 diff-400-500, 9-13K torque. MW 9.3/9.6ppg In/Out. Dumping to reserve and adding 8.8ppg fresh LSND in attempt to keep MW below a 9.1ppg. Desicion was made to shutdown and displace mud system w/ 8.8ppg before drilling into the Spraybery formation.
1/3/2014 11:00	1/3/2014 11:30	0.5	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	Rig Service - Top Drive

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/3/2014 11:30	1/3/2014 16:00	4.5	CIRC	CIRCULATE	CIRC	Circulate and Condition Hole - Displace 9.6ppg mud to reserve w/ 8.8ppg LSND. Transferring F/ frac tanks to slugging pit. Surface to Surface calculated strokes is 8400stks. Didn't observe 8.8ppg back to surface till 17000stks. This is equivalent to 18.5" Hole, about 50% washout. The mud system was changed over @ 3500', from brine to fresh water gel, causing excess washout while drilling.
1/3/2014 16:00	1/3/2014 18:00	2	INT-DRILL-TAN	DRILL INT TANGENT-SLIDE	DRL-SLIDE	Slide (43' @ 21.5' fph) mrpm-117, wob-12, gpm714, spp-2400 diff-200, mtf-270.
1/3/2014 18:00	1/3/2014 18:30	0.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate (45' @ 90' fph) rpm-100, wob-15-25, gpm714, spp-2350 diff-400, 9-13K torque.
1/3/2014 18:30	1/3/2014 20:00	1.5	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide (50' @ 33.33' fph) mrpm-108, wob-10-15, gpm-655, spp-2100 diff-200, mtf-270.
1/3/2014 20:00	1/3/2014 21:00	1	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate (45' @ 45' fph) rpm-100, wob-15-30, gpm655, spp-2100 diff-400, 9-13K torque.
1/3/2014 21:00	1/3/2014 23:00	2	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide (50' @ 25' fph) mrpm-108, wob-10-15, gpm-655, spp-2100 diff-200, mtf-300.
1/3/2014 23:00	1/4/2014 00:30	1.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate (140' @ 93.33' fph) rpm-100, wob-15-30, gpm655, spp-2100 diff-400, 9-13K torque.
1/4/2014 00:30	1/4/2014 01:00	0.5	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	Lubricate and inspect topdrive, drawworks, and blocks, check brake adjustment. pump up weight indicator.
1/4/2014 01:00	1/4/2014 03:00	2	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate (155' @ 77.5' fph) rpm-100, wob-15-30, gpm655, spp-2100 diff-400, 9-13K torque.
1/4/2014 03:00	1/4/2014 05:00	2	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide (50' @ 25' fph) mrpm-108, wob-10-15, gpm-655, spp-2100 diff-200, mtf-300.
1/4/2014 05:00	1/4/2014 06:00	1	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate (66' @ 66' fph) rpm-100, wob-15-30, gpm655, spp-2100 diff-400, 9-13K torque.

Report #: 12 Daily Operation: 1/4/2014 06:00 - 1/5/2014 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 028790
Days From Spud (days) 11	Days on Location (days) 12	End Depth (ftGRD) 7,036.0
End Depth (TVD) (ftGRD) 7,034.6	Dens Last Mud (lb/gal) 8.90	Rig NABORS DRILLING, M58

Operations Summary

Rot-Sld Drill Intermediate F/6,604', T/6,793', Lubricate Rig, Rot-Sld Drill Intermediate F/6,793', T/7,058', CTCH, Flow Check(well static), TOOH F/7,058', T/BHA, L/D BHA. Make up new motor, remove and inspect wearbushing.

Remarks

Nabors M-58 Well (University 3-33-4H) Progress: 10.69 days since accepted, 10.52 days since spud

Rig NPT: 0 Hours for previous 24 hours, .5 Hours for month of January.

Completion percentage: Surface 100%, Intermediate 86%, Curve 0%, Lateral 0%

Plan #3 Right 38.97' Ahead 5.39' Distance from 3H:355' @ 6977'.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/4/2014 06:00	1/4/2014 08:30	2.5	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide (63' @ 25' fph) mrpm-108, wob-22, gpm-655, spp-2320 diff-250, mtf-240.
1/4/2014 08:30	1/4/2014 09:00	0.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate (31' @ 62' fph) rpm-100, wob-25, gpm655, spp-2450 diff-400, 9-13K torque.
1/4/2014 09:00	1/4/2014 12:30	3.5	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide (64' @ 18' fph) mrpm-108, wob-20, gpm-655, spp-2275 diff-150-250, mtf-240.
1/4/2014 12:30	1/4/2014 13:00	0.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate (31' @ 62' fph) rpm-100, wob-25, gpm655, spp-2470 diff-400, 9-13K torque.
1/4/2014 13:00	1/4/2014 13:30	0.5	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	Rig Service - Top Drive
1/4/2014 13:30	1/4/2014 15:00	1.5	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide (36' @ 24' fph) mrpm-108, wob-20, gpm-655, spp-2420 diff-150-250, mtf-240.
1/4/2014 15:00	1/4/2014 16:15	1.25	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate (49' @ 39.2' fph) rpm-100, wob-35, gpm655, spp-2470 diff-400, 9-13K torque.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/4/2014 16:15	1/4/2014 18:00	1.75	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide (16' @ 9.16' fph) mrpm-108, wob-20, gpm-655, spp-2420 diff-150-250, mtf-240.
1/4/2014 18:00	1/4/2014 21:00	3	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate (154' @ 51.33' fph) rpm-100, wob-35, gpm-715, spp-2600 diff-200, 9-13K torque. Adjusting paramaters to increase rop.
1/4/2014 21:00	1/4/2014 22:30	1.5	CIRC	CIRCULATE	CIRC	Circulate, pump 40 bbl hi vis sweep @ 715 gpm, 2500 spp, 100 rpm, working pipe 60', build slug, and fill up trip tanks while waiting on sweep to clear shakers.
1/4/2014 22:30	1/4/2014 22:45	0.25	CIRC	CIRCULATE	CIRC	Flow check prior to trip, well static.
1/4/2014 22:45	1/5/2014 04:15	5.5	TRIP OUT HOLE	TOOH	TOOH	TOOH F/7,058', T/BHA, monitoring well on trip tank, hole taking proper fill. Layed down single joint to alternate break on trip.
1/5/2014 04:15	1/5/2014 05:15	1	BHA	BHA HANDLING	BHA	Remove MWD tool, drain motor, break bit, lay down motor.
1/5/2014 05:15	1/5/2014 05:45	0.5	BHA	BHA HANDLING	BHA	Make up new motor, set slips on BHA in mousehole.
1/5/2014 05:45	1/5/2014 06:00	0.25	BHA	BHA HANDLING	BHA	Remove and inspect wearbushing.

Report #: 13 Daily Operation: 1/5/2014 06:00 - 1/6/2014 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 028790
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Days From Spud (days) 12	Days on Location (days) 13	End Depth (ftGRD) 8,003.0	End Depth (TVD) (ftGRD) 8,001.5	Dens Last Mud (lb/gal) 8.90	Rig NABORS DRILLING, M58
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Operations Summary

P/U BHA, TIH F/BHA, T/1,033', Slip & Cut Drill line, Lubricate Rig, TIH F/1,033', T/6,982', W&R F/6,982', T/7,058', Rot-Sld Drill intermediate F/7,058', T/7,202', Lubricate Rig, Rot-Sld Drill intermediate F/7,202', T/8,025', CTCH.

Remarks

Nabors M-58 Well (University 3-33-4H) Progress: 11.69 days since accepted, 11.52 days since spud

Rig NPT: 0 Hours for previous 24 hours, .5 Hours for month of January.

Completion percentage: Surface 100%, Intermediate 100%, Curve 0%, Lateral 0%

Plan #3 Right 37.7' Behind 11.5' Distance from 3H: 421' @ 8,025'.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/5/2014 06:00	1/5/2014 07:45	1.75	BHA	BHA HANDLING	BHA	PU/MU BHA # 5. Dial up motor to 1.83, Scribe, reset muleshoe, install MWD, and test Same. MU Bit.
1/5/2014 07:45	1/5/2014 09:00	1.25	TRIP IN HOLE	TRIP IN HOLE	TIH	TIH w/ BHA on 4 stands of 8" collars and 6 stands of HWDP T/1033'.
1/5/2014 09:00	1/5/2014 10:00	1	PROD1	SHARE	CUTDL	Cut 136' of Drill Line - 20 wraps.
1/5/2014 10:00	1/5/2014 10:30	0.5	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	Rig Service - Top Drive
1/5/2014 10:30	1/5/2014 14:00	3.5	TRIP IN HOLE	TRIP IN HOLE	TIH	TIH F/ 1033' T/ 6982'. Fill Pipe and Wash last stand to btm T/7058'.
1/5/2014 14:00	1/5/2014 14:45	0.75	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate (19' @ 25' fph) rpm-60, wob-5-15, gpm655, spp-2375 diff-200, 9K torque. (Break in Bit)
1/5/2014 14:45	1/5/2014 17:15	2.5	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide (60' @ 24' fph) mrpm-108, wob-20-25, gpm-655, spp-2375 diff-300, mtf-270.
1/5/2014 17:15	1/5/2014 18:00	0.75	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate (63' @ 84' fph) rpm-100, wob-20-30, gpm655, spp-2375 diff-200, 14K torque.
1/5/2014 18:00	1/5/2014 18:30	0.5	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	Rig service- topdrive, draworks, blocks.
1/5/2014 18:30	1/5/2014 19:45	1.25	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide (30' @ 24' fph) mrpm-108, wob-15-20, gpm-655, spp-2375 diff-300, mtf-300.
1/5/2014 19:45	1/6/2014 01:30	5.75	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate (506' @ 88' fph) rpm-100, wob-20-30, gpm655, spp-2375 diff-600, 14K torque.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/6/2014 01:30	1/6/2014 02:30	1	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Slide (30' @ 30' fph) mrrpm-108, wob-15-20, gpm-655, spp-2375 diff-300, mtf-hs.
1/6/2014 02:30	1/6/2014 05:30	3	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate (257' @ 85.66' fph) rpm-100, wob-20-30, gpm655, spp-2375 diff-600, 14K torque. TD intermediate @ 8,025'.
1/6/2014 05:30	1/6/2014 06:00	0.5	CIRC	CIRCULATE	CIRC	Pump 50 bbl hi vis sweep @ 715 gpm, 2650 spp, 100 rpm, reciprocating pipe while circulating.

Report #: 14 Daily Operation: 1/6/2014 06:00 - 1/7/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 028790
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig NABORS DRILLING, M58	
13	14	8,003.0	8,001.5	8.90		

Operations Summary

CTCH, TOO, L/D BHA, Remove Wearbushing, Lubricate Rig, PJSM, R/U 9 5/8" casing tools, Make up float equipment, RIH F/ 0', T/2,300'.

Remarks

Nabors M-58 Well (University 3-33-4H) Progress: 12.69 days since accepted, 12.52 days since spud

Rig NPT: 0 Hours for previous 24 hours, .5 Hours for month of January.

Completion percentage: Surface 100%, Intermediate 100%, Curve 0%, Lateral 0%

Plan #3 Right 37.7' Behind 11.5' Distance from 3H: 421' @ 8,025'.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/6/2014 06:00	1/6/2014 09:00	3	CIRC	CIRCULATE	CIRC	Circulate and Conditoin Hole - Pumped 50 bbl High Vis sweep @ 714gpm, Surface to Surface. Shakers clean. Flow check - well static Pump slug and blow out Kelley hose to keep from freezing. Had to replace frozen fill line from trip tank.
1/6/2014 09:00	1/6/2014 15:30	6.5	TRIP OUT HOLE	TOOH	TOOH	TOOH F/ 7674' T/ BHA. Hole free and clear, taking proper fill.
1/6/2014 15:30	1/6/2014 17:00	1.5	BHA	BHA HANDLING	BHA	L/D BHA, bit, motor, MWD, float sub, UBHO, two monels, 3 crossovers, and shock sub.
1/6/2014 17:00	1/6/2014 17:30	0.5	BHA	BHA HANDLING	BHA	Remove wear bushing for casing run, backing out of pins witnessed by foreman.
1/6/2014 17:30	1/6/2014 18:00	0.5	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	Lubricate topdrive, blocks and drawworks, adjusted brakes.
1/6/2014 18:00	1/6/2014 18:30	0.5	INT-CASE	RUN INTERMEDIATE CASE	CASE	Remove bailes and elevators from topdrive in order to rig up crt.
1/6/2014 18:30	1/6/2014 19:00	0.5	SAFETY	PRE-JOB SAFETY MEETING	SAFETY	Held PJSM with Franks, and Nabors personel over rigging up casing tools, and running 9 5/8" casing.
1/6/2014 19:00	1/6/2014 21:15	2.25	INT-CASE	RUN INTERMEDIATE CASE	CASE	Make up CRT to topdrive, hang off service loop, pick up rotary tools for 9 5/8" casing.
1/6/2014 21:15	1/7/2014 00:15	3	INT-CASE	RUN INTERMEDIATE CASE	CASE	Make up float shoe, 2 jt shoe track, and float sub, was having issues with casing lining up, made up 3 more joints trying to get every thing lined up prior to picking up tongs. damaged threads on pin of joint #5, and had to change out collar on joint #4. had to lay down one joint.
1/7/2014 00:15	1/7/2014 01:00	0.75	INT-CASE	RUN INTERMEDIATE CASE	CASE	Rig up power tongs, plug in hydraulic unit, and function test good.
1/7/2014 01:00	1/7/2014 01:15	0.25	SAFETY	PRE-JOB SAFETY MEETING	SAFETY	Held PJSM over running casing with powertongs.
1/7/2014 01:15	1/7/2014 04:15	3	INT-CASE	RUN INTERMEDIATE CASE	CASE	RIH with 9 5/8" Csg F/168', T/1,982' monitoring displacement on trip tank, hole giving proper displacement.
1/7/2014 04:15	1/7/2014 05:15	1	CIRC	CIRCULATE	CIRC	Fill up and circulate @ 60 SPM, 198 SPP, while moving 20 joints across catwalk, in order to space out RYTE Wrap.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/7/2014 05:15	1/7/2014 06:00	0.75	INT-CASE	RUN INTERMEDIATE CASE	CASE	RIH with 9 5/8" Csg F/1,982', T/2,300'. monitoring displacement on trip tank hole giving proper displacement. Note: @ 21:45, one of the CRT supervisors stated that he was having pains in his chest and needed to go to the hospital, another of the Franks supervisors transported him to Midland where he met up with there manager @ hospital, the employee was checked out, and released to follow up with personal doctor.

Report #: 15 Daily Operation: 1/7/2014 06:00 - 1/8/2014 03:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 028790
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Days From Spud (days) 13	Days on Location (days) 15	End Depth (ftGRD) 8,003.0	End Depth (TVD) (ftGRD) 8,001.5	Dens Last Mud (lb/gal) 9.00	Rig NABORS DRILLING, M58
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Operations Summary

Run 9 5/8" casing F/2,300', T/8,015', CTCH, R/D casing crew, R/U cementers, PJSM, Cement 9 5/8" intermediate casing, R/D cementers, flush out BOP, install mandrell pack off seals, pack off and test, N/D BOP, install abandonment cap. Released Rig @ 03:00 1/8/2014.

Remarks

Nabors M-58 Well (University 3-33-4H) Progress: 13.57 days since accepted, 13.4 days since spud

Rig NPT: 0 Hours for previous 24 hours, .5 Hours for month of January.

Completion percentage: Surface 100%, Intermediate 100%, Curve 0%, Lateral 0%

Plan #3 Right 37.7' Behind 11.5' Distance from 3H: 421' @ 8,025'.

Rig Release @ 03:00 1/8/2014.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/7/2014 06:00	1/7/2014 15:00	9	INT-CASE	RUN INTERMEDIATE CASE	CASE	RIH w/ 9 5/8", 40ppf, L-80, LTC F/ 2162' T/ 7990'. Filling pipe on the fly w/ CRT. Circulate BU @ 3900', 6000'. No losses observed. PU Landing joint w/ hanger and land csg in WH. Shoe @ 8015' Float Collar @ 7917' Top of Ryte Wrap - 4140', Btm of Ryte Wrap - 5989' A total of 173jnts RIH, 43jnts of 43.50ppf, 41 jnts of Ryte Wrap 40ppf, and 89jnts of 40ppf slick. 29 Centralizers.
1/7/2014 15:00	1/7/2014 17:00	2	CIRC	CIRCULATE	CIRC	Circulate and Condition - Stage pumps slowly to achieve 8 bpm. RU cement equipment to rig floor.
1/7/2014 17:00	1/7/2014 17:30	0.5	INT-CASE	RUN INTERMEDIATE CASE	CASE	Rig down crt, and service loop, lay down casing tools from rig floor.
1/7/2014 17:30	1/7/2014 18:00	0.5	INT-CMT	CEMENT INTERMEDIATE CSG	CMT	Rig up cement lines, load plugs, make up cement head and lines. Loading of plugs witnessed by foreman.
1/7/2014 18:00	1/7/2014 18:15	0.25	INT-CMT	CEMENT INTERMEDIATE CSG	CMT	Held PJSM with Schlumberger, Nabors, and mud engineer over cement job.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/7/2014 18:15	1/7/2014 22:00	3.75	INT-CMT	CEMENT INTERMEDIATE CSG	CMT	Pressure tested cement lines to 4500 psi, drop bottom plug and pumped 40 bbls of Mud push Express @ 10ppg. Lead cement 938 sks, 380 bbls @ 11.5 lb/gal, yeild 2.3 ft 3/sk, mix water 12.74 gal/sk @ 6.1 bbls/min. Tail cement 188 sks 37 bbls @ 16.40 lb/gal, yeild 1.07 ft 3/sk, mix water 4.364 gal/sk @ 5 bbls/min. Drop top plug witnessed by company man pumped 593 bbls biocide displacement @ 8 bpm bumped plug @ 2.3 bpm 1120 psi lift, bumped @ 500 psi over 1620 psi, held for 5 mins floats holding released psi flowed back 4 bbls. Lift pressures - 100bbls @ 280 psi, 200bbls @ 280psi, 300bbls @ 280, 400 bbls 548psi, 500 920psi, 550bbls 1100psi, 530 bbls, Bumped plug at 593bbls @ 1120psi. Bump plug to 1620psi. Had 100% returns throughout job.
1/7/2014 22:00	1/7/2014 22:30	0.5	INT-CMT	CEMENT INTERMEDIATE CSG	CMT	Rig down cementers.
1/7/2014 22:30	1/7/2014 23:30	1	INT-CMT	CEMENT INTERMEDIATE CSG	CMT	Flush thru stack with 40 bbls of sugar water, drain stack, and suck out cellar.
1/7/2014 23:30	1/8/2014 01:30	2	PROD1-WLHEAD	LAND PACKOFF	WLHEAD	Install pack off on running tool, set and verify seals are all the way down, install lock down pins, pack off to 5000 psi, and test to 2400 psi, good test. release running tool, and lay down landing joint.
1/8/2014 01:30	1/8/2014 03:00	1.5	SURFACE - WLHEAD	WLHEAD	WLHEAD	Nipple down BOP, Install abandonment cap. Released rig @ 03:00 hrs 1/8/2014.

Report #: 16 Daily Operation: 2/17/2014 08:30 - 2/18/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 028790
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	
55	16	8,003.0	8,001.5	9.30	NABORS DRILLING, M58	

Operations Summary

RD to move F/ well 3H to 4H. Move rig over to University 3-33 4H. Skid accumulator & Conex over 30'. Remove abandonment cover. NU BOP, flowline, and accumulator lines. Test Bop as per TRRC. Test 9 5/8" csg. to 2500 PSI F/30 mins. Install wear bushing. Test accumulator as per PNR procedure. PU directional BHA.

Remarks

Nabors M-58 Well (University 3-33-4H) Progress: 14.47 days since accepted, 14.3 days since spud

Rig NPT: 0 Hours for previous 24 hours, .0 Hours for month of February.

Completion percentage: Surface 100%, Intermediate 100%, Curve 0%, Lateral 0%

Plan #3 Right 37.7' Behind 11.5' Distance from 3H: 421' @ 8,025'.

Rig skidding f/ well 3H to 4H @ 08:30 2/17/2014.

Nabors M58 currently has Full crews

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/17/2014 08:30	2/17/2014 10:30	2	R/U/R/D	RIG UP / RIG DOWN	RIG UP / RIG DOWN	R/D Koomey Hydraulic and electric lines. R/D flowline, Main HPU, Skid HPU over 30' w/ tandem and forklift. Hang off front and back stairs. Remove cellar cover and string off center line.
2/17/2014 10:30	2/17/2014 13:00	2.5	MOBILIZATION	MIRU	MIRU	Held pre job safety meeting. Walk rig 30' F/ University 3-33 3H T/ 4H utilizing Tandem and Forklift.
2/17/2014 13:00	2/17/2014 15:00	2	MOBILIZATION	MIRU	MIRU	RU flowline and Main HPU. Skid Koomey over 30' w/ forklift and Tandem. Install vib lines. Un-hang stairs and set out buffer zone.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/17/2014 15:00	2/17/2014 19:30	4.5	NU/TEST	NIPPLE UP/TST	NU/TEST	NU BOP's - Remove abandonment cap (Accept rig @ 15:00 on 2/17/14), Set spacer spool and set BOP's and make up bolts w/ torque crew , Hook up turn buckles , flow line, fill line and accumulator lines.
2/17/2014 19:30	2/17/2014 20:00	0.5	NU/TEST	NIPPLE UP/TST	NU/TEST	PU bails and elevators
2/17/2014 20:00	2/17/2014 20:30	0.5	NU/TEST	NIPPLE UP/TST	NU/TEST	CO pump expendables & black jack.
2/17/2014 20:30	2/17/2014 21:30	1	NU/TEST	NIPPLE UP/TST	NU/TEST	Function test BOP's, make up test plug, change out o-rings on test plug, set test plug and fill BOP stack with water.
2/17/2014 21:30	2/18/2014 04:30	7	NU/TEST	NIPPLE UP/TST	NU/TEST	Testing choke manifold 250 psi low and 2500 psi high. Test BOPE according to TRRC guidelines. 2500 psi High/250 psi Low, Hydril 2500 psi high and 250 psi low. Test back to mud pumps 4500 psi high and 250 psi low, Test 9 5/8" csg to 2500 PSI for 30 mins. Test Accumulator as per PNR test sheet procedure.
2/18/2014 04:30	2/18/2014 05:00	0.5	NU/TEST	NIPPLE UP/TST	NU/TEST	Install wear bushing
2/18/2014 05:00	2/18/2014 06:00	1	BHA	BHA HANDLING	BHA	PU bit and direction tools.

Report #: 17 Daily Operation: 2/18/2014 06:00 - 2/19/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 028790
Days From Spud (days) 56	Days on Location (days) 17	End Depth (ftGRD) 8,166.0	End Depth (TVD) (ftGRD) 8,163.5	Dens Last Mud (lb/gal) 10.00	Rig NABORS DRILLING, M58	

Operations Summary

PU Dir Tools, Test MWD, Cut drlg Line, Service rig, TIH tag cmt at 7903', Displace well with OBM, Drill cmt, float equip f/ 7903' to 8025', C&C mud raise mud wt to 9.8 ppg in/out. Perform FIT, close top BOP ram apply 1120 psi (EMD 12.5 ppg). Rot/Slide drill curve f/8025' to 8188' (KOP @ 8080'MD).

Remarks

Nabors M-58 Well (University 3-33-4H) Progress: 15.47 days since accepted, 15.3 days since spud

Rig NPT: 0 Hours for previous 24 hours, .0 Hours for month of February.

Completion percentage: Surface 100%, Intermediate 100%, Curve 16%, Lateral 0%

Plan #3 Right 35' Behind 5' Distance from 3H: 435' @ 8,188'.

Rig skidding f/ well 3H to 4H @ 08:30 2/17/2014.

Nabors M58 currently has Full crews

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/18/2014 06:00	2/18/2014 10:00	4	PROD1	SHARE	BHA	PU Curve and Lateral BHA # 4 - (Motor, Stab, UBHO, NMDC, NM Flex, and XO). RU PVC flowline to reserve pit and Test MWD. Test good. MU Bit (Smith MDSi516)
2/18/2014 10:00	2/18/2014 12:00	2	PROD1	SHARE	CUTDL	Slip and Cut Drill line - (21.5 wraps)
2/18/2014 12:00	2/18/2014 12:30	0.5	PROD1	SHARE	RIGSER	Rig Service - Top Drive
2/18/2014 12:30	2/18/2014 15:45	3.25	TRIP IN HOLE	TRIP IN HOLE	TIH	TIH w/ BHA #4 on 5" DP. Tagged cmt @ 7903'.
2/18/2014 15:45	2/18/2014 17:15	1.5	CIRC	CIRCULATE	CIRC	Displace hole from water to OBM, Pump 15 bbls diesel spacer in front of OBM @ 418 gal per min working pipe.
2/18/2014 17:15	2/18/2014 18:45	1.5	TEST CSG/DO/FIT	TEST CSG/DRILL OUT/FIT	TEST CSG/DRI LL OUT/FIT	Drill cement and float equipment from 7903' to 8025'. FC @ 7918 & Shoe @ 8015', 378 GPM, 25 RPM, 6-8K WOB, 1600 psi SPP. Working on raising MW F/9.3 T/10.2
2/18/2014 18:45	2/18/2014 19:00	0.25	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rot Drill 7" @ 28'/hr, 378 GPM, 25 RPM, 5-10K WOB, 1,680 psi SPP, 220 DIFF, 2500 TRQ.
2/18/2014 19:00	2/18/2014 21:00	2	CIRC	CIRCULATE	CIRC	Circulate & Condition OBM MW in/out 9.8 ppg for FIT

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/18/2014 21:00	2/18/2014 22:15	1.25	TEST CSG/DO/FIT	TEST CSG/DRILL OUT/FIT	TEST CSG/DRI LL OUT/FIT	Perform FIT @ 8025' with 9.8 ppg for mud wt. in hole applied 1120 psi equal to a 12.49 ppg EMW bled off to 1080 psi in 7 minutes with 9.8 ppg for a mud wt. equal to a 12.38 ppg EMW. ~12 bbls bled back to trip tank.
2/18/2014 22:15	2/19/2014 00:00	1.75	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rotate (48'- 27.4 fph) rpm-45/141, WOB-10K, GPM-504, Diff-200 psi, psi, SPP 3450 psi, 2-4K torq. (KOP @ 8080')
2/19/2014 00:00	2/19/2014 06:00	6	PROD-DRILL CURVE	DRILL CURVE-SLIDE CURVE	DRL CURVE- SLIDE	Slide (108'- 18.0 fph) WOB-10-15, GPM-504, MM RPM 141, Diff-200 psi- SPP 2700 psi, Tool face-20°R. (Rasie MW to 10.2 ppg in & 10.1 out)

Report #: 18 Daily Operation: 2/19/2014 06:00 - 2/20/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 028790
Days From Spud (days) 57	Days on Location (days) 18	End Depth (ftGRD) 8,678.0	End Depth (TVD) (ftGRD) 8,596.2	Dens Last Mud (lb/gal) 10.20	Rig NABORS DRILLING, M58	

Operations Summary

Rot/Slide drill curve 8,188' to 8,217', Service rig, Rot/Slide drill curve 8,217' to 8,439', Service rig, Rot/Slide drill curve 8,439' to 8,700'.

Remarks

Nabors M-58 Well (University 3-33-4H) Progress: 16.47 days since accepted, 16.3 days since spud

Rig NPT: 0 Hours for previous 24 hours, .0 Hours for month of February.

Completion percentage: Surface 100%, Intermediate 100%, Curve 64%, Lateral 0%

Plan #4 Right 23.8' High 21' @ 8612' MD Distance from 3H: 506' @ 8,700'.

Nabors M58 currently has Full crews

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/19/2014 06:00	2/19/2014 06:45	0.75	PROD-DRILL CURVE	DRILL CURVE-SLIDE CURVE	DRL CURVE- SLIDE	Slide (20'- 27 fph) WOB-10-15, GPM-504, MM RPM 141, Diff-300 SPP 2700 psi, Tool face-30°R.
2/19/2014 06:45	2/19/2014 07:30	0.75	PROD-DRILL CURVE	DRILL CURVE- ROTATE	DRL CURVE- ROT	Rotate (13'- 17 fph) rpm-80/141, WOB-25K, GPM-504, Diff-350 psi, SPP 3450 psi, 2-4K torq. (Trouble with standpipe pressure gauge.)
2/19/2014 07:30	2/19/2014 08:00	0.5	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	Rig Service - Top Drive (Recalibrate stand pipe pressure).
2/19/2014 08:00	2/19/2014 08:15	0.25	PROD-DRILL CURVE	DRILL CURVE- ROTATE	DRL CURVE- ROT	Rotate (11'- 44 fph) rpm-80/141, WOB-25K, GPM-504, Diff-350 psi, SPP 3450 psi, 2-4K torq.
2/19/2014 08:15	2/19/2014 12:15	4	PROD-DRILL CURVE	DRILL CURVE-SLIDE CURVE	DRL CURVE- SLIDE	Slide (52'- 17 fph) WOB-10-15, GPM-504, MM RPM 141, Diff-300 SPP 2700 psi, Tool face-20L.
2/19/2014 12:15	2/19/2014 12:30	0.25	PROD-DRILL CURVE	DRILL CURVE- ROTATE	DRL CURVE- ROT	Rotate (6'- 24 fph) rpm-80/141, WOB-25K, GPM-504, Diff-400 psi, SPP 3450 psi, 2-4K torq.
2/19/2014 12:30	2/19/2014 14:00	1.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE CURVE	DRL CURVE- SLIDE	Slide (24'- 7 fph) WOB-10-15, GPM-504, MM RPM 141, Diff-300 SPP 2550 psi, Tool face-Highside
2/19/2014 14:00	2/19/2014 14:15	0.25	PROD-DRILL CURVE	DRILL CURVE- ROTATE	DRL CURVE- ROT	Rotate (10'- 40 fph) rpm-80/141, WOB-25K, GPM-504, Diff-350-400 psi, SPP 2450 psi, 2-4 torq.
2/19/2014 14:15	2/19/2014 15:30	1.25	PROD-DRILL CURVE	DRILL CURVE-SLIDE CURVE	DRL CURVE- SLIDE	Slide (23'- 18 fph) WOB-15, GPM-504, MM RPM 141, Diff-300-400 SPP 2400 psi, Tool face-Highside
2/19/2014 15:30	2/19/2014 16:00	0.5	PROD-DRILL CURVE	DRILL CURVE- ROTATE	DRL CURVE- ROT	Rotate (19'- 38 fph) rpm-70/141, WOB-25K, GPM-504, Diff-350-400 psi, SPP 2450 psi, 4500 Torque.
2/19/2014 16:00	2/19/2014 16:45	0.75	PROD-DRILL CURVE	DRILL CURVE-SLIDE CURVE	DRL CURVE- SLIDE	Slide (13'- 17.3 fph) WOB-18, GPM-504, MM RPM 141, Diff-300-400 SPP 2400 psi, Tool face-Highside

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/19/2014 16:45	2/19/2014 18:30	1.75	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rotate (60'- 34.3 fph) rpm-70/169, WOB-25K, GPM-604, Diff-400 psi, SPP 2450 psi, 5-8 Torque.
2/19/2014 18:30	2/19/2014 19:00	0.5	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	Service Rig (work on engine #2)
2/19/2014 19:00	2/19/2014 19:45	0.75	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rotate (60'- 34.3 fph) rpm-70/153, WOB-25K, GPM-546, Diff-450 psi, SPP 3000 psi, 3-8 Torque. (depth tracker not working, set std in mouse hole and reset block hieght "working correctly now"
2/19/2014 19:45	2/19/2014 20:45	1	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide (23'- 23.0 fph) WOB-18, GPM-546, MM RPM 153, Diff-275, SPP 2850 psi, Tool face-Highside
2/19/2014 20:45	2/19/2014 21:00	0.25	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rotate (6'- 24.0 fph) rpm-70/153, WOB-25K, GPM-604, Diff-450 psi, SPP 3000 psi, 3-8 Torque.
2/19/2014 21:00	2/20/2014 06:00	9	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide (220'- 24.4.0 fph) WOB-18, GPM-546, MM RPM 153, Diff-275, SPP 2850 psi, Tool face-Highside

Report #: 19 Daily Operation: 2/20/2014 06:00 - 2/21/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 028790
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	
58	19	9,278.0	8,718.5	10.20	NABORS DRILLING, M58	

Operations Summary

Rot/Slide Curve 8,700' to 8,787'. Service Rig. Rot/Slide Curve 8,787' to 9,102' (Land curve 9,102' @ 01:30). Rot /Slide Lateral 9,102' to 9,300'.

Remarks

Nabors M-58 Well (University 3-33-4H) Progress: 17.47 days since accepted, 17.3 days since spud

Rig NPT: 0 Hours for previous 24 hours, .0 Hours for month of February.

Completion percentage: Surface 100%, Intermediate 100%, Curve 100%, Lateral 2%

Plan #4 Right 26.0' High/Low 0' @ (MD 9,211' / TVD 8,741) Distance from 3H: 550' @ 9,211'.

Nabors M58 currently has Full crews

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/20/2014 06:00	2/20/2014 09:00	3	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide (56'- 18.6' fph), wob-16, mmrpm-152.6- gpm-545, diff-150/350, psi-2700, ToolFace-HighSide
2/20/2014 09:00	2/20/2014 09:30	0.5	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rotate (8'- 16;fph) rpm-70/152, gpm-545, diff-350, trq-6000, psi-2700, wob-16
2/20/2014 09:30	2/20/2014 10:45	1.25	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide (23'- 18.4 fph) mmrpm-152, wob-10, gpm-545, diff-150/300, Tool face-Highside percent done 2.93%,
2/20/2014 10:45	2/20/2014 11:15	0.5	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	rig service
2/20/2014 11:15	2/20/2014 11:30	0.25	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rotate (10'-40'fph) wob-18, rpm-70/152, gpm-545, diff-300, trq-6500/7500, psi-3000
2/20/2014 11:30	2/20/2014 13:45	2.25	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide (22'-11'fph) wob-10.mmrpm-152, gpm-545, diff-150/250, psi-3000, Toolface -Highside
2/20/2014 13:45	2/20/2014 14:00	0.25	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rotate(10'-40'fph), wob-22, rpm-70/152, gpm-545, diff-350, trq-5700/7000,
2/20/2014 14:00	2/20/2014 14:45	0.75	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide (21'-28'fph) wob-18, mmrpm-152, gpm-545, diff-150/250, psi-3000, Toolface-Highside

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/20/2014 14:45	2/20/2014 15:00	0.25	PROD-DRILL CURVE	DRILL CURVE- ROTATE	DRL CURVE- ROT	Rotate (10'-40 fph) rpm-70/152, wob-18, gpm-545. diff-350, psi-3000, trq-5500/6800,
2/20/2014 15:00	2/20/2014 16:45	1.75	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE- SLIDE	Slide (22'-12.6 fph) wob-19, mmrpm-152, gpm-545, diff-300, spp psi-3000, Tool face-Highside
2/20/2014 16:45	2/20/2014 17:00	0.25	PROD-DRILL CURVE	DRILL CURVE- ROTATE	DRL CURVE- ROT	Rotate (14'- 56 fph) rpm-70/152, wob-18, gpm-545. diff-350, spp psi-3000, trq-5500/6800,
2/20/2014 17:00	2/20/2014 18:00	1	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE- SLIDE	Slide (11'-11.0 fph) wob-19, mmrpm-152, gpm-545, diff-300, spp psi-3000, Tool face-Highside
2/20/2014 18:00	2/20/2014 18:15	0.25	PROD-DRILL CURVE	DRILL CURVE- ROTATE	DRL CURVE- ROT	Rotate (23'- 92.0 fph) rpm-70/152, wob-18, gpm-545. diff-350, spp psi-3000, trq - 5500 / 11000,
2/20/2014 18:15	2/21/2014 01:30	7.25	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE- SLIDE	Slide (72'- 9.9 fph) wob-19, mmrpm-152, gpm-545, diff-300, spp psi-3100, Tool face-Highside (land curve 9102' @ 01:30 hrs.)
2/21/2014 01:30	2/21/2014 04:30	3	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rotate Drill Lateral (168'- 56.0 fph) rpm-70/152, wob-28, spp 130, gpm-545. diff-550, spp psi-32000, trq - 8000 / 13000 ft lbs,
2/21/2014 04:30	2/21/2014 06:00	1.5	PROD-DRILL LATERAL	DRILL LATERAL- SLIDE	DRL LAT- SLIDE	Slide (30'- 20 fph) wob-19, mmrpm-152, gpm-545, diff-300, spp psi-3100, Tool face- 145 Left

Report #: 20 Daily Operation: 2/21/2014 06:00 - 2/22/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 028790
Days From Spud (days) 59	Days on Location (days) 20	End Depth (ftGRD) 9,376.0	End Depth (TVD) (ftGRD) 8,722.4	Dens Last Mud (lb/gal) 10.30	Rig NABORS DRILLING, M58	

Operations Summary

Rotary/Slide Dill Lateral 9,000' to 9,381'. ROP while sliding 4'/hr. C & C till hole cleaned up. TOOH, LD BHA #6, Remove & install wear bushing. PU new BHA & Bit (Bit #7 Sec MM65D). TIH 100' to 9,253'. W&R 9,253' to 9,381' (re log last 50'). Slide Dill Lateral 9,381' to 9,398'.

Remarks

Nabors M-58 Well (University 3-33-4H) Progress: 18.47 days since accepted, 18.3 days since spud

Rig NPT: 0 Hours for previous 24 hours, .0 Hours for month of February.

Completion percentage: Surface 100%, Intermediate 100%, Curve 100%, Lateral 3%

Plan #4 Right 27.99' Low .12' @ (MD 9,305' / TVD 8,740) Distance from 3H - 523' ; 5H - 508' @ 9,305'.

Nabors M58 currently has Full crews

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/21/2014 06:00	2/21/2014 08:00	2	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rotate (66'-33' fph), wob-20/30, rpm-152, gpm-546, diff-200/400, trq-4/9500K
2/21/2014 08:00	2/21/2014 09:30	1.5	PROD-DRILL LATERAL	DRILL LATERAL- SLIDE	DRL LAT- SLIDE	Slide (6'-4 fph) wob-33, rpm-152, gpm-546, diff-115, psi-2900, tool face-90 left
2/21/2014 09:30	2/21/2014 11:15	1.75	CIRC	CIRCULATE	CIRC	Circulate performing clean up cycle due to high torque and low rop torque went from 7/10800K to 2500/4500 K torque pumped 1 sweeps 1.5 lbs weighted sweeps w/ vis a 120 to clean hole cuttings increased to heavy cuttings . pulled one stand and circulate second sweep around with cuttings went from heavy cuttings to clean shakers not hardly anything coming back. pumped bottom ups shakers clean
2/21/2014 11:15	2/21/2014 12:15	1	PROD-DRILL LATERAL	DRILL LATERAL- SLIDE	DRL LAT- SLIDE	Slide (4'- 4'fph) wob -25-30, mmrpm-152, gpm-546, diff-350, ToolFace-90 Left psi -3000
2/21/2014 12:15	2/21/2014 12:30	0.25	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rotate (5'- 20' fph) rpm-70/152/ wob-30; psi-3140, diff-350, 2.5 low, 29.20 right.. well 5h-508' apart from 4H, 3 h is 543 away from the 4H
2/21/2014 12:30	2/21/2014 13:45	1.25	CIRC	CIRCULATE	CIRC	Circulate and cond to build slug and pump same Due to low rop an high torque

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/21/2014 13:45	2/21/2014 18:00	4.25	TRIP OUT HOLE	TOOH	TOOH	Pulled out of hole due to low ROP and high torque. Check for flow "Well stactic". Well taking correct fill. No overpull through curve.
2/21/2014 18:00	2/21/2014 19:30	1.5	BHA	BHA HANDLING	BHA	LD BHA, Motor, UBHO, Flex jt & Bit #6.
2/21/2014 19:30	2/21/2014 20:00	0.5	PROD1	WORK	OTHR	Retive/Install wear bushing (no wear)
2/21/2014 20:00	2/21/2014 23:15	3.25	BHA	BHA HANDLING	BHA	PU BHA, Motor, FS, UBHO, XO, Adjust & Scribe Motor to 2.12". Install MWD. Test motor and MU Bit #7 (Sec MM65D dressed w/ (6) 20 jets)
2/21/2014 23:15	2/21/2014 23:45	0.5	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	Rig Service Drawworks, TD and clean OBM off Drill Floor.
2/21/2014 23:45	2/22/2014 04:30	4.75	TRIP IN HOLE	TRIP IN HOLE	TIH	TIH 103' to 9,253'. Fill pipe every 30 Stds. Monitor mud returns in trip tank.
2/22/2014 04:30	2/22/2014 05:15	0.75	W&R	WASH & REAM	WASH_R EAM	Wash 9,253' to 9,381'. Re log from 9,331' to 9,381.
2/22/2014 05:15	2/22/2014 06:00	0.75	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (17'- 22.7'fph) wob -25, mmrpm-152, gpm-546, diff-350, TF-90 Left psi -3000

Report #: 21 Daily Operation: 2/22/2014 06:00 - 2/23/2014 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 028790
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Days From Spud (days) 60	Days on Location (days) 21	End Depth (ftGRD) 11,070.0	End Depth (TVD) (ftGRD) 8,716.7	Dens Last Mud (lb/gal) 10.30	Rig NABORS DRILLING, M58
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Operations Summary

Rotary/Slide Lateral 9,398' to 9,828'. Service Rig. Rotary/Slide Lateral 9,828' to 11,092'

Remarks

Nabors M-58 Well (University 3-33-4H) Progress: 19.47 days since accepted, 19.3 days since spud

Rig NPT: 0 Hours for previous 24 hours, .0 Hours for month of February.

Completion percentage: Surface 100%, Intermediate 100%, Curve 100%, Lateral 21%

Plan #4 Right 1' Low 2.3' @ (MD 11,004' / TVD 8,739.96) Distance from 3H - 510' ; 5H - 536' @ 9,305'.

Nabors M58 currently has Full crews

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/22/2014 06:00	2/22/2014 08:00	2	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (158'-79'fph) rpm-70/152, wob-10/20, gpm-546, diff-120/370, psi-3200/3500, torque-4-9K
2/22/2014 08:00	2/22/2014 09:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (25'- 25'fph) mmrpm-152, wob-10/14, gpm-546, diff-120/180, psi-3120/3190, Tool face-High side
2/22/2014 09:00	2/22/2014 11:00	2	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (163'-81.5'fph) wob-15, rpm-70/152, gpm-571, diff-320, psi-3420, torque-6/8K,
2/22/2014 11:00	2/22/2014 11:45	0.75	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide(30'-40'fph) wob-11, mmrpm-159, gpm-571, diff-140, ToolFace-HighSide
2/22/2014 11:45	2/22/2014 12:15	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate(50'-100'fph) rpm-70/159, wob-13, gpm-571-diff-330, psi -3470, torque-6/8500
2/22/2014 12:15	2/22/2014 12:45	0.5	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	Service rig (Grease crown, blocks,TD, BJ,DW,preform TD DROPS, add oil to TD, ck brakes & 3 hole
2/22/2014 12:45	2/22/2014 17:15	4.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (394'-87.6 fph), rpm 70/159, wob-15/20, gpm-571, diff-400, spp psi-3480, torque-6/9K
2/22/2014 17:15	2/22/2014 18:00	0.75	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide(30'-40'fph) wob-9, mmrpm-159, gpm-571, diff-240, ToolFace-HighSide
2/22/2014 18:00	2/22/2014 20:45	2.75	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (253'-92.0 fph), rpm 70/159, wob-15/20, gpm-571, diff-400, spp psi-3500, torque-7/10K
2/22/2014 20:45	2/22/2014 21:45	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide(20'-20 fph) wob-9, mmrpm-159, gpm-571, diff-240, ToolFace-HighSide
2/22/2014 21:45	2/22/2014 22:45	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (74'-74.0 fph), rpm 70/159, wob-15/20, gpm-571, diff-450, spp psi-3300, torque-7/10K

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/22/2014 22:45	2/22/2014 23:30	0.75	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide(30'-40 fph) wob-20/25, mmrpm-159, gpm-571, diff-250, ToolFace-HighSide
2/22/2014 23:30	2/23/2014 05:00	5.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (442'-80.4 fph), rpm 70/159, wob-15/20, gpm-571, diff-450, spp psi-3450, torque-7/11K
2/23/2014 05:00	2/23/2014 06:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide(30'-30 fph) wob-20/25, mmrpm-159, gpm-571, diff-250, ToolFace - 180°

Report #: 22 Daily Operation: 2/23/2014 06:00 - 2/24/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 028790
Days From Spud (days) 61	Days on Location (days) 21	End Depth (ftGRD) 11,596.0	End Depth (TVD) (ftGRD) 8,731.8	Dens Last Mud (lb/gal) 10.40	Rig NABORS DRILLING, M58	

Operations Summary

Rot drill 11,092' to 11,254', Service rig, Rot/Slide 11'254' to 11,492', #2 engine down (radiator fan blade went through radiator). TOOH to shoe (37 stds). Replace #2 radiator (Test engine). TIH to 11,492'. Rot/Slide 11,492' to 11,618'

Remarks

Nabors M-58 Well (University 3-33-4H) Progress: 20.47 days since accepted, 20.3 days since spud

Rig NPT: 13.25 Hours for previous 24 hours, .13.25 Hours for month of February.

Completion percentage: Surface 100%, Intermediate 100%, Curve 100%, Lateral 26%

Plan #4 Left 3.30' Low 9' @ (MD 11,475' / TVD 8,745.83) Distance from 3H - 509' ; 5H - 545' @ 11,475'.

Nabors M58 currently has Full crews

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/23/2014 06:00	2/23/2014 08:45	2.75	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (162'-58 fph) rpm-70/160, wob-15/24, gpm-571, diff-290/360, torque- 7/10500K ,
2/23/2014 08:45	2/23/2014 09:15	0.5	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	Service Rig
2/23/2014 09:15	2/23/2014 10:00	0.75	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (10'-13. fph), wob-23, mmrpm160, gpm-571, diff-122, psi-3413 TOOL FACE-180
2/23/2014 10:00	2/23/2014 13:15	3.25	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (165'-50 fph) wob-16/20, rpm-70/153, gpm-546, diff-280/380, psi-3470, torque-7/11K
2/23/2014 13:15	2/24/2014 02:30	13.2 5	UNPLANNED	Rig Repair (CODE 8, Rig Repair)	U_RIG	Circulating pump 1-(50 bbl) high vis sweep all the the way around and circulate a bottom up hole clean due to #2 engine fan hub bearing went out with some metal going in radiator. Running on #3 generators engines the #1 generator motor went to running hot, decided to pull to the shoe. TOOH to shoe (37 stds). Replace #2 radiator (Test engine "ok"). TIH from shoe to 11,492'.
2/24/2014 02:30	2/24/2014 04:00	1.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (108'- 72.0 fph) wob-20k, rpm-70/153, gpm-546, diff-280/380 psi, spp 3670 psi, torque-7/10K
2/24/2014 04:00	2/24/2014 05:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (14'- 14. fph), wob-10/20, mmrpm153, gpm-546, diff-180, psi-3450 Tool Face- High Side
2/24/2014 05:00	2/24/2014 06:00	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (67'- .67 fph) wob-25k, rpm-70/153, gpm-546, diff-400/500 psi, spp 3800 psi, torque-7/12K

Report #: 23 Daily Operation: 2/24/2014 06:00 - 2/25/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 028790
Days From Spud (days) 62	Days on Location (days) 22	End Depth (ftGRD) 12,478.0	End Depth (TVD) (ftGRD) 8,725.8	Dens Last Mud (lb/gal) 10.50	Rig NABORS DRILLING, M58	

Operations Summary

Rot/Slide Drill Lateral 11,618' to 12,500'.

Remarks

Nabors M-58 Well (University 3-33-4H) Progress: 21.47 days since accepted, 21.3 days since spud

Rig NPT: 0 Hours for previous 24 hours, .13.25 Hours for month of February.

Completion percentage: Surface 100%, Intermediate 100%, Curve 100%, Lateral 35%

Plan #4 Right 7.8' Low 3.5' @ (MD 12,326' / TVD 8738.76) Distance from 3H - 517' ; 5H - 515' @ 12,389'.

Nabors M58 currently has Full crews

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/24/2014 06:00	2/24/2014 07:30	1.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (15'- 10'fph) wob-28, rpm-70/159, gpm-571, diff-150/375, psi-3500, torque-5500/11,000K
2/24/2014 07:30	2/24/2014 10:00	2.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (35'-14'fph) wob-40, mmrpm-159, gpm-571, diff- 100, TOOLFACE-High side GTF
2/24/2014 10:00	2/24/2014 15:15	5.25	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (154'- 29.3'fph' fph) wob-29, rpm-70/159, gpm-546, diff -250, psi-3500, torque-11K 27.62% complete left-1.80, low-15.90
2/24/2014 15:15	2/24/2014 17:15	2	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (20'- 10' fph) wob-35, mmrpm-152, gpm-545, diff-150, Tool face-High side gtf
2/24/2014 17:15	2/24/2014 22:00	4.75	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (263'- 55.4 fph) wob-25, rpm-60/141, gpm-504, diff-300/450 psi, spp 3450 psi, torque- 8/12K
2/24/2014 22:00	2/24/2014 23:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (15'- 15.0 fph) wob-18/25, mmrpm-141, gpm-504, diff-150 psi, spp 2950 psi, Tool face- 180°
2/24/2014 23:00	2/25/2014 00:00	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (79'- 79.0 fph) wob-25, rpm-60/141, gpm-504, diff-300/450 psi, spp 3000 psi, torque- 8/12K
2/25/2014 00:00	2/25/2014 01:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (26'- 26.0 fph) wob-30k, mmrpm-141, gpm-504, diff- 200 psi, spp 2950 psi, Tool face- 160° Left
2/25/2014 01:00	2/25/2014 03:00	2	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (164'- 82.0 fph) wob-25, rpm-60/153, gpm-546, diff-300/450 psi, spp 3000 psi, torque- 8/12K
2/25/2014 03:00	2/25/2014 04:45	1.75	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (20'- 11.4 fph) wob-30k, mmrpm-153, gpm-546, diff- 100 psi, spp 3000 psi, Tool face- HS
2/25/2014 04:45	2/25/2014 06:00	1.25	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (91'- 72.8 fph) wob-25, rpm-60/146, gpm-521, diff-300/450 psi, spp 3000 psi, torque- 8/12K

Report #: 24 Daily Operation: 2/25/2014 06:00 - 2/26/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 028790
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig NABORS DRILLING, M58	
63	22	12,544.0	8,727.1	10.50		

Operations Summary

Rot/Slide drill lateral 12,500' to 12,566'. MWD not working, Circ as per Pioneer's cleaning cycle, TOOH to 9,257', CBU x2 through base of curve. TOOH to BHA, LD BHA, Inspect wear bushing, PU new BHA, test, PU bit #8 & TIH to 6,800'

Remarks

Nabors M-58 Well (University 3-33-4H) Progress: 22.47 days since accepted, 22.3 days since spud

Rig NPT: 0 Hours for previous 24 hours, .1325 Hours for month of February.

Directional NPT: 21.5 hrs C/O MWD tool

Completion percentage: Surface 100%, Intermediate 100%, Curve 100%, Lateral 35%

Plan #4 Right 7.5' Low 8.5' @ (MD 12,421' / TVD 8743.65) Distance from 3H - 517' ; 5H - 515' @ 12,421'.

Nabors M58 currently has Full crews

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/25/2014 06:00	2/25/2014 07:30	1.5	CIRC	CIRCULATE	CIRC	Slide (14'- 9.3'fph) wob-25,mmrpm-145, gpm521, diff-200, psi-2950 offbottom, Tool face-High side GTF
2/25/2014 07:30	2/25/2014 08:15	0.75	UNPLANNED	MWD/LWD Tool Failures including trip times (if mai	U_MWD	Directional work Trouble shoot MWD unable to find Sync after motor stalled Recycle pumps numerous times rotated and resync stall no pulse
2/25/2014 08:15	2/25/2014 08:45	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (11'- 22'fph), mmrpm-143, gpm-513 /, wob-20, diff-200, psi-2850, Tool face-High side GTF
2/25/2014 08:45	2/25/2014 09:30	0.75	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (41'-54.7), wob- 22, rpm-60/143, gpm-513, diff-525, TRK-11/12.5K motor stalled after making conn after that was not able to sync up with MWD right 7.50 left 8.50 percentage complete 35.27%. POOH due to MWD failure and lower ROP.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/25/2014 09:30	2/25/2014 10:30	1	UNPLANNED	MWD/LWD Tool Failures including trip times (if mai	U_MWD	Directional work after making a conn unable to find sync, attempt to rotate then resync again 4 times. change out transducer and reciever still no sync
2/25/2014 10:30	2/25/2014 11:00	0.5	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	Service rig grease top drive, Blocks, Drawworks, black jack, top drive drops performed & adjust brakes
2/25/2014 11:00	2/25/2014 13:30	2.5	UNPLANNED	MWD/LWD Tool Failures including trip times (if mai	U_MWD	Circulate and condition hole w/ 546 gpm, an 70 rpm, pump 50 bbl sweep 1.5 over w/ 135 vis, an 15 lbs per/bbl of LCM cutting went from 25% coming over shakers to 45% after sweep cuttings went to 10/15% Rack one stand back and circulate another bottom up up cuttings went from 10/15% to about 25%, racked one stand back and circulate bottom up cuttings went from 10/15% to 2 to 3% increase over shakers check well for flow "hole static".
2/25/2014 13:30	2/25/2014 16:00	2.5	UNPLANNED	MWD/LWD Tool Failures including trip times (if mai	U_MWD	Pump slug, installed wiper rubbers, and trip out of hole from 12,279' to 9,257' (no overpull). Monitor fill up on trip tank. Hole taking correct amt of mud.
2/25/2014 16:00	2/25/2014 17:15	1.25	UNPLANNED	MWD/LWD Tool Failures including trip times (if mai	U_MWD	Circulate two bottoms up at the base of the curve an working pipe w/ 545 gpm. at 70 rpm flow check "static" set motor on High side.
2/25/2014 17:15	2/25/2014 21:00	3.75	UNPLANNED	MWD/LWD Tool Failures including trip times (if mai	U_MWD	Pull out of hole 9,253' to BHA. Monitor fill up on trip tank. Hole taking correct amt of mud.
2/25/2014 21:00	2/25/2014 22:30	1.5	UNPLANNED	MWD/LWD Tool Failures including trip times (if mai	U_MWD	LD BHA (Drain motor, break bit, LD flex jt, NMDC, pull MWD, LD XO sub, bit & motor)
2/25/2014 22:30	2/25/2014 23:30	1	UNPLANNED	MWD/LWD Tool Failures including trip times (if mai	U_MWD	Remove & Install wear bushing (visual inspect bushing "ok"). Clean OBM off drill floor.
2/25/2014 23:30	2/26/2014 02:00	2.5	UNPLANNED	MWD/LWD Tool Failures including trip times (if mai	U_MWD	PU new BHA, install new MWD, new motor 6 3/4:7/8 lobe; 5 Stg; 2° Fixed. 28 rev: and test same. PU bit #8
2/26/2014 02:00	2/26/2014 06:00	4	UNPLANNED	MWD/LWD Tool Failures including trip times (if mai	U_MWD	TIH 100' to 6,800. Monitor returns back to trip tank. Giving correct displacement

Report #: 25 Daily Operation: 2/26/2014 06:00 - 2/27/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 028790
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig NABORS DRILLING, M58	
64	23	13,581.0	8,719.3	10.50		

Operations Summary
TIH F/6,800', T/7,933', Slip & Cut Drill line, Rig Service, TIH F/7,933', T/9,257', C&C, TIH F/9,257', T/12,469', W&R F/12,469', T/12,566', Rot-Sld Drill Lateral F/12,566', T/13,603'.

Remarks

Nabors M-58 Well (University 3-33-4H) Progress: 23.47 days since accepted, 23.3 days since spud

Rig NPT: 0 Hours for previous 24 hours, .13.25 Hours for month of February.

Directional NPT: 21.5 hrs C/O MWD tool

Completion percentage: Surface 100%, Intermediate 100%, Curve 100%, Lateral 46%

Plan #4 Right 35' Low 7' @ (MD 13,603' / TVD 8,740') Distance from 3H - 558' ; 5H - 513' @ 13,603'.

Nabors M58 currently has Full crews

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/26/2014 06:00	2/26/2014 06:15	0.25	TRIP IN HOLE	TRIP IN HOLE	TIH	TIH (6800' T/7933'. Monitor returns back to trip tank. Giving correct displacement
2/26/2014 06:15	2/26/2014 07:45	1.5	PLAN	DRLG	CUTDL	Cut drill line 17 wraps 115'
2/26/2014 07:45	2/26/2014 08:15	0.5	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	Service rig Grease top drive, blocks, drawworks. black jack,

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/26/2014 08:15	2/26/2014 09:00	0.75	TRIP IN HOLE	TRIP IN HOLE	TIH	Trip in hole F/7933 T/9257 monitoring hole on trip tank, Displacement is correct
2/26/2014 09:00	2/26/2014 10:00	1	CIRC	CIRCULATE	CIRC	Circulate bottom up at bottom of curve gpm-546, rpm-70/152
2/26/2014 10:00	2/26/2014 11:30	1.5	TRIP IN HOLE	TRIP IN HOLE	TIH	Trip in hole F/9257 T/12469' filling pipe @ 10958' Monitoring displacement on trip tank, hole giving proper displacement.
2/26/2014 11:30	2/26/2014 12:00	0.5	W&R	WASH & REAM	WASH_REAM	Wash and ream F/12374 T/12469 gpm-546, rpm-70/152 tagged at 12475'
2/26/2014 12:00	2/26/2014 13:00	1	W&R	WASH & REAM	WASH_REAM	Wash and ream to relog F/12469 T/12566' gpm-454, rpm-60 /127, 150 ft per hr.
2/26/2014 13:00	2/26/2014 14:30	1.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (106'-70.6' fph) rpm-70/152, gpm-546, diff-400, wob-25, trq-10K, Right -9.20 Low-12.30 Percentage complete 36.51 %
2/26/2014 14:30	2/26/2014 16:00	1.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (28'-18.7' fph) mmrpm-152, wob-20, gpm-546, diff-200, Toolface - High side GTF
2/26/2014 16:00	2/26/2014 23:00	7	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (534'-76.28' fph) rpm-70/152, gpm-546, spp 3500 psi, diff-400, wob-20, trq-12K,
2/26/2014 23:00	2/27/2014 00:45	1.75	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (25'-14.28' fph) mmrpm-152, wob-20, gpm-546, diff-200, Toolface -20L
2/27/2014 00:45	2/27/2014 01:30	0.75	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (70'-93' fph) rpm-70/152, gpm-546, spp 3500 psi, diff-400, wob-20, trq-12K,
2/27/2014 01:30	2/27/2014 04:30	3	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (30'-10' fph) mmrpm-152, wob-20, gpm-546, diff-200, Toolface -20L
2/27/2014 04:30	2/27/2014 06:00	1.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (144'-96' fph) rpm-70/152, gpm-530, spp 3450 psi, diff-400, wob-20, trq-13K,

Report #: 26 Daily Operation: 2/27/2014 06:00 - 2/28/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 028790
Days From Spud (days) 65	Days on Location (days) 24	End Depth (ftGRD) 14,683.0	End Depth (TVD) (ftGRD) 8,703.6	Dens Last Mud (lb/gal) 10.50	Rig NABORS DRILLING, M58	

Operations Summary

Rot-Sld Drill F/13,603', T/13,886', Rig Service, Rot-Sld Drill F/13,886', T/14,193', C&C (clean up cycle), Rot-Sld Drill F/14,193', T/14,705'.

Remarks

Nabors M-58 Well (University 3-33-4H) Progress: 24.47 days since accepted, 24.3 days since spud

Rig NPT: 0 Hours for previous 24 hours, .13.25 Hours for month of February.

Directional NPT: 21.5 hrs C/O MWD tool

Completion percentage: Surface 100%, Intermediate 100%, Curve 100%, Lateral 57%

Plan #4 Left 11' High 5' @ (MD 14,705' / TVD 8,725') Distance from 3H - 526' ; 5H - 549' @ 14,705".

Nabors M58 currently has Full crews

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/27/2014 06:00	2/27/2014 06:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (15'- 30'fph) rpm-60, wob-25, gpm-529,diff-500/600, torque-14K,
2/27/2014 06:30	2/27/2014 08:30	2	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (28'-14'fph) mmrpm-147, gpm-526, diff-150, tool face - 60 Left GTF,
2/27/2014 08:30	2/27/2014 11:00	2.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (240'- 96'fph) rpm-60, wob-20, gpm-529, diff-500, torque-14K, psi-3475
2/27/2014 11:00	2/27/2014 11:30	0.5	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	Service rig Grease top drive ,blocks,drawworks,blackjack, top drive drops performed, adjust brakes,
2/27/2014 11:30	2/27/2014 14:45	3.25	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (298'-91.6" fph) rpm- 60/70/148, wob-20/25, gpm-529, diff-500/600, torque-13/14 K, psi-3500 off bottom, High-0.90 Right--18.18 Distance F 3H 538' Distance F 5H 524' percentage completed -- 51.91% Plan #4

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/27/2014 14:45	2/27/2014 15:45	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (9'- 9'fph) mmmrpm-152, gpm-526, diff--150/250, tool face--60 right GTF Started having trouble sliding stacking wt on motor causing to stall out
2/27/2014 15:45	2/27/2014 19:45	4	CIRC	CIRCULATE	CIRC	Rack one stand back and preformed clean up cycle pumped 70 bbl HI vis 1.5 lb over w/ 15 lb p/bbl nut plug surface to surface cuttings increased from 25% to about 45% , Racked one stand back and circulate 60 bbl sweep Hi Vis 1.5 over w/15 lb per/bbl tiger bullets surface to surface
2/27/2014 19:45	2/27/2014 22:00	2.25	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (20'- 9'fph) mmmrpm-146, gpm-520, diff--150/250, tool face--60 right GTF.
2/27/2014 22:00	2/27/2014 23:00	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (66'- 66'fph) rpm-70. wob-20, gpm-520, diff-500, torque-14K, psi-3650
2/27/2014 23:00	2/28/2014 01:30	2.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (30'- 12'fph) mmmrpm-146, gpm-520, diff--150/250, tool face--30 right GTF.
2/28/2014 01:30	2/28/2014 06:00	4.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (401'- 89.11'fph) rpm-75. wob-23, gpm-512, diff-500, torque-14K, psi-3600

Report #: 27 Daily Operation: 2/28/2014 06:00 - 3/1/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number Q28790
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig NABORS DRILLING, M58	
66	25	15,280.0	8,694.7	10.50		

Operations Summary

Rot-Sld Drill F/14,705', T/15,019, Rig Service, Rot Drill F/15,019', T/15,240', Unp-MWD (tool lost sync), Rot Drill F/15,240', T/15,302', UNP-MWD (C&C, TOO H F/15,302', T/7,933', Change out MWD on wireline, TIH F/7,933', T/10,700')

Remarks

Nabors M-58 Well (University 3-33-4H) Progress: 25.47 days since accepted, 25.3 days since spud

Rig NPT: 0 Hours for previous 24 hours, .1325 Hours for month of February.

Directional NPT: 35 hrs total, 13.5 for previous 24 hrs C/O MWD tool

Completion percentage: Surface 100%, Intermediate 100%, Curve 100%, Lateral 63%

Plan #4 Left 9.5' High 9' @ (MD 15,302' / TVD 8,711') Distance from 3H - 511' ; 5H - 533' @ 15,302'.

Nabors M58 currently has Full crews

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/28/2014 06:00	2/28/2014 07:45	1.75	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate(146'- 83'fph) rpm-70/141 wob-20/25, gpm-504, diff-500/600, off bottom psi-3500 torque-14K,
2/28/2014 07:45	2/28/2014 10:00	2.25	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (45'-20'fph) mmmrpm-141,wob-15, diff-150, gpm-504, Tool face-High side GTF
2/28/2014 10:00	2/28/2014 12:00	2	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (150'-75'fph) rpm-70/141, wob-25, gpm-504, diff-500, trq-11/14K, ROP slowed down change rpm T/ 50 & wt.on bit T/28 6 ft thick
2/28/2014 12:00	2/28/2014 12:30	0.5	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	Service rig Grease top drive, Blocks, drawworks , black jack, top drive drops performed adjust brakes
2/28/2014 12:30	2/28/2014 15:45	3.25	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (221'-68'fph) rpm-70/141, wob-25, gpm-504, diff-500/600, off bottom psi-3500, torque-11/14300K
2/28/2014 15:45	2/28/2014 16:45	1	UNPLANNED	MWD/LWD Tool Failures including trip times (if mai	U_MWD	Mwd tool lost sync, changed out transducer, and reciever regained sync.
2/28/2014 16:45	2/28/2014 17:30	0.75	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (62'-83'fph) rpm-70/141, wob-25, gpm-504, diff-500/600, off bottom psi-3500, torque-11/14300K
2/28/2014 17:30	2/28/2014 19:15	1.75	UNPLANNED	MWD/LWD Tool Failures including trip times (if mai	U_MWD	C&C, MWD lost sync, decision was made to pull out to shoe and retrieve MWD, Circulate hi vis weighted sweep surface to surface @ 537 GPM, 4025 SPP, 70 RPM, working pipe 90'.
2/28/2014 19:15	2/28/2014 19:30	0.25	UNPLANNED	MWD/LWD Tool Failures including trip times (if mai	U_MWD	Flow check well prior to TOO H, well static.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/28/2014 19:30	2/28/2014 23:15	3.75	UNPLANNED	MWD/LWD Tool Failures including trip times (if mai	U_MWD	TOOH F/15,302' T/14,333', Pulled 10 Stands wet, monitoring fill on trip tank, hole taking proper fill, Pumped slug, TOOH F/14,333', T/7,933', monitoring fill on trip tank, hole taking proper fill.
2/28/2014 23:15	3/1/2014 00:00	0.75	UNPLANNED	MWD/LWD Tool Failures including trip times (if mai	U_MWD	Make up TIW valve, rig up wireline sheaves on rig floor, and make up retrieval tool. while monitoring well on trip tank, well static.
3/1/2014 00:00	3/1/2014 03:45	3.75	UNPLANNED	MWD/LWD Tool Failures including trip times (if mai	U_MWD	Change out mwd with wireline machine, Monitoring well on trip tank, well static.
3/1/2014 03:45	3/1/2014 04:00	0.25	UNPLANNED	MWD/LWD Tool Failures including trip times (if mai	U_MWD	Rig down wireline unit, prep to TIH.
3/1/2014 04:00	3/1/2014 06:00	2	UNPLANNED	MWD/LWD Tool Failures including trip times (if mai	U_MWD	Run T/8,122', test mwd, good test, TIH F/8,122', T/10,700', monitoring displacement on trip tank, hole giving proper displacement.

Report #: 28 Daily Operation: 3/1/2014 06:00 - 3/2/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 028790
Days From Spud (days) 67	Days on Location (days) 26	End Depth (ftGRD) 16,255.0	End Depth (TVD) (ftGRD) 8,712.2	Dens Last Mud (lb/gal) 10.50	Rig NABORS DRILLING, M58	

Operations Summary

(UNP-MWD, C&C, TIH F/10,000', T/13,603', C&C, TIH F/13,603', T/15,208', Re Log Gamma F/15,208', T/15,302'.) Rot Drill F/15,302', T/15,491', Service Rig, Rot-Sld Drill F/15,491', T/16,151', Service Rig, Rot Drill F/16,151', T/16,277'.

Remarks

Nabors M-58 Well (University 3-33-4H) Progress: 26.47 days since accepted, 26.3 days since spud

Rig NPT: 0 Hours for previous 24 hours, .1325 Hours for month of February.

Directional NPT: 43.25 hrs total, 8.25 for previous 24 hrs C/O MWD tool

Completion percentage: Surface 100%, Intermediate 100%, Curve 100%, Lateral 73%

Plan #4 Right 28' Low 5' @ (MD 16,277' / TVD 8,733') Distance from 3H -538' ; 5H - 492' @ 16,277'.

Nabors M58 currently has Full crews

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/1/2014 06:00	3/1/2014 06:30	0.5	UNPLANNED	MWD/LWD Tool Failures including trip times (if mai	U_MWD	Circulate bottom up @10,000' Due to hole was not displacing correctly with possibly floats leaking by. Hole cleaned up good cutting s increased from 10% to 40 % then back to about 5%
3/1/2014 06:30	3/1/2014 09:00	2.5	UNPLANNED	MWD/LWD Tool Failures including trip times (if mai	U_MWD	Trip in hole F/10,000 T/ 13603'
3/1/2014 09:00	3/1/2014 12:00	3	UNPLANNED	MWD/LWD Tool Failures including trip times (if mai	U_MWD	Circulate bottom up @13603' filled pipe and had a increase in pump pressure had 1010 psi w/30 stks trouble shoot high pressure Determined that it was possibly plug jet circulated a 60 bbl high vis sweep w/nut plug to clean bit an clean hole a considerably amount of cutting came over shakers when bottom up got up with 3150 units of trip gas stage pumps up to 504 gpm, and 4000 psi and work pipe with a 50 rpm, 90' until pressure level out and strokes came back right still possible that 2 jets are plugged.
3/1/2014 12:00	3/1/2014 13:30	1.5	UNPLANNED	MWD/LWD Tool Failures including trip times (if mai	U_MWD	Trip in hole F/13603 T/15302' with no problems hole was displacing correctly
3/1/2014 13:30	3/1/2014 14:15	0.75	UNPLANNED	MWD/LWD Tool Failures including trip times (if mai	U_MWD	Directional work had to relog F/15208' T/ 15302 @ 150 ft/hr. gpm-504., rpm -50 mud wt in 10.5 vis 60, mud wt. out 10.5 out 59 vis Bottom up gas 460 units
3/1/2014 14:15	3/1/2014 17:15	3	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (189'- 63' fph) rpm-65, /141, gpm-504, diff-450, wob-20, torque-11/14, psi-3900, 400 psi increase due to possibly plug jet

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/1/2014 17:15	3/1/2014 17:30	0.25	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	Service rig Grease top drive, Blocks, drawworks , black jack, top drive drops performed adjust brakes
3/1/2014 17:30	3/1/2014 21:45	4.25	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (303'- 71.29' fph) rpm-65, /141, gpm-504, diff-450, wob-20, torque-11/14, psi-3700,
3/1/2014 21:45	3/1/2014 23:15	1.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (20'-13.33'fph) mmrpm-140,wob-15, diff-150, gpm-504, Tool face-30 R
3/1/2014 23:15	3/2/2014 03:30	4.25	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (337'- 79.29' fph) rpm-60, /141, gpm-504, diff-450, wob-23, torque-11/14, psi-3700,
3/2/2014 03:30	3/2/2014 04:00	0.5	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	Lubricate and inspect topdive, blocks, and drawworks.
3/2/2014 04:00	3/2/2014 06:00	2	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (126'- 63' fph) rpm-60, /141, gpm-504, diff-450, wob-23, torque-11/14, psi-3700,

Report #: 29 Daily Operation: 3/2/2014 06:00 - 3/3/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 028790
Days From Spud (days) 68	Days on Location (days) 27	End Depth (ftGRD) 16,673.0	End Depth (TVD) (ftGRD) 8,703.1	Dens Last Mud (lb/gal) 10.50	Rig NABORS DRILLING, M58	

Operations Summary

Rot-Sld Drill F/16,277', T/16,520', Service Rig, Rot-Sld Drill F/16,520', T/16,547', C&C (clean up cycle), Rot-Sld Drill F/16,547', T/16,695'.

Remarks

Nabors M-58 Well (University 3-33-4H) Progress: 27.47 days since accepted, 27.3 days since spud

Rig NPT: 0 Hours for previous 24 hours, .1325 Hours for month of February.

Directional NPT: 43.25 hrs total, 0 for previous 24 hrs C/O MWD tool

Completion percentage: Surface 100%, Intermediate 100%, Curve 100%, Lateral 77%

Plan #4 Right 49.5' High 3.3' @ (MD 16,695' / TVD 8,724') Distance from 3H -556' ; 5H - 485' @ 16,695'.

Nabors M58 currently has Full crews

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/2/2014 06:00	3/2/2014 08:30	2.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (172'-68.8'fph) rpm-60/141, wob-25, gpm-504, dif--500, OffBottom psi- 3700, torque-12/14 K,
3/2/2014 08:30	3/2/2014 12:30	4	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (20'-5'fph) rpm-141, wob-15, diff-200, Tool face- 90Left GTF
3/2/2014 12:30	3/2/2014 14:00	1.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (51'- 25.5'fph) rpm60/148, wob-25, gpm-529, diff-200, off bottom psi-4000, Torque-11/13 K ,
3/2/2014 14:00	3/2/2014 14:30	0.5	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	Service rig
3/2/2014 14:30	3/2/2014 15:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (10'-20'fph) rpm-60/148, gpm-529, diff-400, torque-11/15K, Distance - 3H -550' Distance F 5H 493' Right --41' Low--4.2' percentage complete--75.64%
3/2/2014 15:00	3/2/2014 16:30	1.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (17'- 11.3'fph) rpm-148, gpm-529, diff-100, tool face-90 Left GTF, motor stalling out while sliding it would hang up then drop all the wt on it causing it to stall out, Decision made to do a clean up cycle
3/2/2014 16:30	3/2/2014 20:00	3.5	CIRC	CIRCULATE	CIRC	Circulate and preformed clean up cycle with 545 gpm and 70 rpm pumped 2 80 bbl sweep with 15 Bags of pronto plug and 9 bags of tiger bullets coarse, and circulated a bottoms up,
3/2/2014 20:00	3/2/2014 22:00	2	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (16'- 8'fph) rpm-140, gpm-503, diff-100, tool face-90 Left GTF.
3/2/2014 22:00	3/2/2014 22:15	0.25	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (12'- 48'fph) rpm60/140, wob-25, gpm-503, diff-500, off bottom psi-3750, Torque-11/13 K ,

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/2/2014 22:15	3/3/2014 00:00	1.75	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (20'- 11.42'fph) rpm-140, gpm-503, diff-100, tool face-90 Left GTF.
3/3/2014 00:00	3/3/2014 01:00	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (50'- 50'fph) rpm60/140, wob-25, gpm-503, diff-500, off bottom psi-3750, Torque-11/15 K ,
3/3/2014 01:00	3/3/2014 04:00	3	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (20'- 7'fph) rpm-140, gpm-503, diff-100, tool face-90 Left GTF.
3/3/2014 04:00	3/3/2014 04:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (15'- 30'fph) rpm60/140, wob-25, gpm-503, diff-500, off bottom psi-3750, Torque-11/15 K ,
3/3/2014 04:30	3/3/2014 06:00	1.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (15'-10'fph) rpm-140, gpm-503, diff-100, tool face-90 Left GTF.

Report #: 30 Daily Operation: 3/3/2014 06:00 - 3/4/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 028790
Days From Spud (days) 69	Days on Location (days) 28	End Depth (ftGRD) 17,482.0	End Depth (TVD) (ftGRD) 8,692.8	Dens Last Mud (lb/gal) 10.65	Rig NABORS DRILLING, M58	

Operations Summary

Rot-Sld Drill F/16,695', T/17,001', Rig Service, Rot-Sld Drill F/17,001', T/17,384', Rig Service, Rot Drill F/17,384', T/17,504'.

Remarks

Nabors M-58 Well (University 3-33-4H) Progress: 28.47 days since accepted, 28.3 days since spud

Rig NPT: 0 Hours for previous 24 hours, .13.25 Hours for month of February.

Directional NPT: 43.25 hrs total, 0 for previous 24 hrs C/O MWD tool

Completion percentage: Surface 100%, Intermediate 100%, Curve 100%, Lateral 86%

Plan #4 Right 12.5' High 13' @ (MD 17,504' / TVD 8,713') Distance from 3H -512' ; 5H - 518' @ 17,504'.

Nabors M58 currently has Full crews

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/3/2014 06:00	3/3/2014 07:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (15'-15'fph) mmrpm-141, gpm-504, diff-125, Toolface- left -90
3/3/2014 07:00	3/3/2014 12:45	5.75	PROD-DRILL TANGENT	DRILL PROD TANGENT-ROTATE	DRL-ROT	Rotate (294'-51.6' fph) rpm-60/148, wob-20/25, gpm-529, diff-400/500, torque-12/15, off bottom psi-4000 back ream w/ rpm-80 gpm-529
3/3/2014 12:45	3/3/2014 13:15	0.5	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	Service rig Grease top drive, Blocks, Drawworks, black jack, top drive drops preformed, adjust brakes
3/3/2014 13:15	3/3/2014 14:00	0.75	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate(20'- 26.6'fph) rpm-60/148, wob-20, gpm-529, diff-300-400, off bottom psi-4000, torque-12/15 K,
3/3/2014 14:00	3/3/2014 16:30	2.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (20-8'fph) mmrpm-141, gpm-504, diff-150, tool face-90 right
3/3/2014 16:30	3/3/2014 20:30	4	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (164'-41' fph) rpm-70/140, wob-20/25, gpm-504, diff-400/500, torque-12/15, off bottom psi-3750 back ream w/ rpm-80 gpm-529
3/3/2014 20:30	3/3/2014 22:30	2	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (15-7.5'fph) mmrpm-141, gpm-504, diff-150, tool face-180
3/3/2014 22:30	3/4/2014 02:30	4	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (164'-41' fph) rpm-70/140, wob-20/25, gpm-503, diff-250/500, torque-12/15, off bottom psi-3800 back ream w/ rpm-80 gpm-529
3/4/2014 02:30	3/4/2014 03:00	0.5	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	Lubricate topdrive, blocks and drawworks.
3/4/2014 03:00	3/4/2014 06:00	3	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (121'-40.33' fph) rpm-70/140, wob-20/25, gpm-503, diff-250/500, torque-12/15, off bottom psi-3800 back ream w/ rpm-80 gpm-529

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Report #: 31 Daily Operation: 3/4/2014 06:00 - 3/5/2014 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 028790
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Days From Spud (days) 70	Days on Location (days) 29	End Depth (ftGRD) 17,983.0	End Depth (TVD) (ftGRD) 8,683.6	Dens Last Mud (lb/gal) 10.75	Rig NABORS DRILLING, M58
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Operations Summary
Rot-Sld Drill F/17,504', T/*17,756', Rig Service, Rot-Sld Drill F/17,756', T/17,795', Flow Check, Rot-Sld Drill F/17,795', T/18,005'.

Remarks
Nabors M-58 Well (University 3-33-4H) Progress: 29.47 days since accepted, 29.3 days since spud

Rig NPT: 0 Hours for previous 24 hours, .1325 Hours for month of February.
Directional NPT: 43.25 hrs total, 0 for previous 24 hrs

Completion percentage: Surface 100%, Intermediate 100%, Curve 100%, Lateral 91%

Plan #4 Right 7' High 22' @ (MD 18,005' / TVD 8,703') Distance from 3H -485' ; 5H - 521' @ 18,005'.

Nabors M58 currently has Full crews

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/4/2014 06:00	3/4/2014 07:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (12'- 12'fph) mmrpm-143, gpm-512, diff-150, wob-25, tool face-180 GTF,
3/4/2014 07:00	3/4/2014 13:15	6.25	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (240'-38.4 fph) rpm-70/141, wob-25, rpm-70/141, gpm-605, diff-400/500, off bottom psi-3900, torque off bottom 7/9 K, torque on bottom-12/15K, Back ream every stand w/ 80 rpm, 504 gpm
3/4/2014 13:15	3/4/2014 13:45	0.5	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	Service rig
3/4/2014 13:45	3/4/2014 15:00	1.25	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (20'- 16' fph) rpm-70/141,, wob-25, gpm-504, diff-400/450, torque-11/-14K, (back reaming w/80 rpm, gpm529
3/4/2014 15:00	3/4/2014 19:30	4.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (19'- 4.22'fph) mmrpm-141, wob-15, gpm-504, diff-100, tool face-180 GTF,
3/4/2014 19:30	3/4/2014 19:45	0.25	UNPLANNED	Well Control events & any circulating related to g	U_WC	Picked up and shut down pumps, check flow on trip tank due to 19bbl gain in actives system, no flow. Determined gain was from excess bar being added to system, and degasser pulling from the sandtrap.
3/4/2014 19:45	3/4/2014 20:15	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (10'- 20'fph) mmrpm-141, wob-15, gpm-504, diff-100, tool face-180 GTF,
3/4/2014 20:15	3/4/2014 22:00	1.75	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (61'-34.85 fph) rpm-70/141, wob-25, rpm-70/141, gpm-503, diff-400/500, off bottom psi-3900, torque off bottom 7/9 K, torque on bottom-12/15K, Back ream every stand w/ 80 rpm, 504 gpm
3/4/2014 22:00	3/4/2014 23:30	1.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (22'-14.66'fph) mmrpm-141, wob-15, gpm-504, diff-100, tool face-180 GTF,
3/4/2014 23:30	3/5/2014 01:00	1.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (67'-44.66 fph) rpm-70/141, wob-25, rpm-70/141, gpm-503, diff-400/500, off bottom psi-3900, torque off bottom 7/9 K, torque on bottom-12/15K, Back ream every stand w/ 80 rpm, 504 gpm
3/5/2014 01:00	3/5/2014 03:00	2	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (20'-10'fph) mmrpm-141, wob-15, gpm-504, diff-100, tool face-180 GTF,
3/5/2014 03:00	3/5/2014 03:15	0.25	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (10'-40 fph) rpm-70/141, wob-25, rpm-70/138, gpm-488, diff-400/500, off bottom psi-3950, torque off bottom 7/9 K, torque on bottom-12/15K,
3/5/2014 03:15	3/5/2014 06:00	2.75	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (20'-7.27'fph) mmrpm-141, wob-15, gpm-504, diff-100, tool face-180 GTF. Mw in 10.9 out 10.9.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Report #: 32 Daily Operation: 3/5/2014 06:00 - 3/6/2014 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 028790
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Days From Spud (days) 71	Days on Location (days) 30	End Depth (ftGRD) 18,520.0	End Depth (TVD) (ftGRD) 8,701.9	Dens Last Mud (lb/gal) 10.90	Rig NABORS DRILLING, M58
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Operations Summary
Rot-Sld Drill F/18,005', T/18,417', Rig Service, Rot Drill F/18,417', T/18,542'.

Remarks
Nabors M-58 Well (University 3-33-4H) Progress: 30.47 days since accepted, 30.3 days since spud

Rig NPT .0 Hours for previous 24 hrs.. 0 Hours for the month of March.

Rig NPT: 0 Hours for previous 24 hours, .13.25 Hours for month of February.

Directional NPT: 43.25 hrs total, 0 for previous 24 hrs

Completion percentage: Surface 100%, Intermediate 100%, Curve 100%, Lateral 96%

Plan #4 Left 11.5' High 1.5' @ (MD 18,542' / TVD 8,723') Distance from 3H -523' ; 5H - 536' @ 18,542'.

Nabors M58 currently has Full crews

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/5/2014 06:00	3/5/2014 07:00	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (10'- 10'fph) rpm- 65/141, wob-20, gpm--504, diff-450, obpsi-4000, torquon bottom-13/14K, 9K off bottom,
3/5/2014 07:00	3/5/2014 09:30	2.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (11'-4.4'fph) wob-20, mmrpm-141, gpm-504, diff-150, Tool face-180 GTF
3/5/2014 09:30	3/5/2014 11:00	1.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (34'-22.6'fph) rpm-65/141, wob-20, gpm-504, diff-450, torque-13/14 Back ream w/80 rpm, gpm-504 Distance F/ 3H 489' Distance F 5H-523 percentage completed 91.98%
3/5/2014 11:00	3/5/2014 13:00	2	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide (7'- 3.5' fph) mmrpm-129, gpm-462, diff-150, Toolface - 180 GTF
3/5/2014 13:00	3/6/2014 02:00	13	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (350'- 26.92' fph) rpm-65/140, wob-22, gpm-504, diff-300, torque-12/14 K,
3/6/2014 02:00	3/6/2014 02:30	0.5	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	Service topdive, and blocks, change out 2" hose on flowline.
3/6/2014 02:30	3/6/2014 06:00	3.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (125'- 35.71' fph) rpm-65/136, wob-22, gpm-504, diff-300, torque-12/14 K,

Report #: 33 Daily Operation: 3/6/2014 06:00 - 3/7/2014 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 028790
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Days From Spud (days) 72	Days on Location (days) 31	End Depth (ftGRD) 18,966.0	End Depth (TVD) (ftGRD) 8,723.9	Dens Last Mud (lb/gal) 11.00	Rig NABORS DRILLING, M58
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Operations Summary
Rot-Sld Drill F/18417', T/18,738', Rig Service, Rot Drill F/18,738', T/18,988'.(TD) C&C Clean Up Cycle, Flow Check, TOOH F/18800' T/17500'

Remarks
Nabors M-58 Well (University 3-33-4H) Progress: 31.47 days since accepted, 31.3 days since spud

Rig NPT .0 Hours for previous 24 hrs.. 0 Hours for the month of March.

Rig NPT: 0 Hours for previous 24 hours, 0 Hours for month of March.

Directional NPT: 43.25 hrs total, 0 for previous 24 hrs

Completion percentage: Surface 100%, Intermediate 100%, Curve 100%, Lateral 100%

Plan #4 Left 21' Low 17' @ (MD 18,988' / TVD 8,745') Distance from 3H -522' ; 5H - 548' @ 18,988'.

Nabors M58 currently has Full crews

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/6/2014 06:00	3/6/2014 11:00	5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (196'- 39' fph) rpm-70/136, wob-22, gpm-487, diff-400, torque-10/13 K,
3/6/2014 11:00	3/6/2014 11:30	0.5	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	Rig Service - Troubleshoot erratic torque on TD. Switched to encoderless mode and solved problem. Noticed 200psi drop in pressure, Verify w/ stand pipe and pump pressure gauge. Calibrate transducer to match.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/6/2014 11:30	3/6/2014 22:00	10.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate (250'- 23.8' fph) rpm-70/136, wob-25, gpm-487, diff-300, torque-10/13 K, TD @ 18,988'.
3/6/2014 22:00	3/7/2014 04:30	6.5	CIRC	CIRCULATE	CIRC	Circulate and condition hole @ TD, pump 30 bbl hi vis weighted sweep surface to surface, while reciprocating pipe 90', 503 GPM, 4200 SPP, 7500TRQ, Rack back stand pump 50 bbl hi vis weighted sweep @ 13 ppg, working pipe 90', 90 RPM, 4200 SPP, 7500 TRQ, rack back, stand, and circulate bottoms up while monitoring shakers. Full Returns.
3/7/2014 04:30	3/7/2014 05:00	0.5	CIRC	CIRCULATE	CIRC	Check flow on trip tank prior to tripping out of hole. Well Static.
3/7/2014 05:00	3/7/2014 06:00	1	TRIP OUT HOLE	TOOH	TOOH	TOOH 10 stands wet F/ 18800' T/ 17860'. Hole free and taking proper fill. Pump slug and TOOH F/ 17860' T/ 17500'.

Report #: 34 Daily Operation: 3/7/2014 06:00 - 3/8/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 028790
Days From Spud (days) 73	Days on Location (days) 32	End Depth (ftGRD) 18,966.0	End Depth (TVD) (ftGRD) 8,723.9	Dens Last Mud (lb/gal) 11.10	Rig NABORS DRILLING, M58	

Operations Summary

TOOH F/17,500', T/9,256', C&C, Flow Check, TOOH F/9,256', T/8,027', Rig Service, L/D DP F/8,027', T/BHA, L/D BHA, Clean Rig Floor, TIH F/Surface, T/8,025', C&C, Flow Check, L/D DP F/8,025', T/7,000'.

Remarks

Nabors M-58 Well (University 3-33-4H) Progress: 32.47 days since accepted, 32.3 days since spud

Rig NPT .0 Hours for previous 24 hrs.. 0 Hours for the month of March.

Rig NPT: 0 Hours for previous 24 hours, 0 Hours for month of March.
Directional NPT: 43.25 hrs total, 0 for previous 24 hrs

Completion percentage: Surface 100%, Intermediate 100%, Curve 100%, Lateral 100%

Plan #4 Left 21' Low 17' @ (MD 18,988' / TVD 8,745') Distance from 3H -522' ; 5H - 548' @ 18,988'.

Nabors M58 currently has Full crews

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/7/2014 06:00	3/7/2014 12:00	6	TRIP OUT HOLE	TOOH	TOOH	TOOH F/ 17500' T/ 9256'. Hole free and clear w/ no drag. Monitoring fill on trip tank, hole taking proper fill.
3/7/2014 12:00	3/7/2014 13:30	1.5	CIRC	CIRCULATE	CIRC	Circulate and Condition - Pumped 30bbl sweep surface to surface, working pipe F/ 9256' T/ 9162'. Observed 30% excess in cuttings over shakers w/ sweep. Shakers clean. Flow check - well static, Pump slug.
3/7/2014 13:30	3/7/2014 14:30	1	TRIP OUT HOLE	TOOH	TOOH	POOH thru Curve F/ 9256' T/ 8027'. Hole taking proper fill w/ no drag.
3/7/2014 14:30	3/7/2014 15:00	0.5	PROD1	SHARE	RIGSER	Rig Service - Top Drive
3/7/2014 15:00	3/7/2014 22:00	7	TRIP OUT HOLE	TOOH	TOOH	POOH LD drill pipe F/ 8027' T/ BHA, Monitoring fill on trip tank, hole taking proper fill.
3/7/2014 22:00	3/7/2014 23:30	1.5	BHA	BHA HANDLING	BHA	Lay down NM flex, drain motor, break bit, lay down monel float sub, ubho, and motor.
3/7/2014 23:30	3/8/2014 00:00	0.5	BHA	BHA HANDLING	BHA	Clean up rig floor prior to tripping in hole.
3/8/2014 00:00	3/8/2014 03:45	3.75	TRIP IN HOLE	TRIP IN HOLE	TIH	Make up bit sub, float and bit, TIH F/0', T/8,025', monitoring well on trip tank, hole giving proper displacement.
3/8/2014 03:45	3/8/2014 05:00	1.25	CIRC	CIRCULATE	CIRC	Circulate bottoms up at shoe, 545 GPM, 2250 SPP. Full returns. Flow Check, Well Static, Pump Slug.
3/8/2014 05:00	3/8/2014 06:00	1	TRIP OUT HOLE	TOOH	TOOH	POOH LD drill pipe F/8,025', T/7,000', monitoring well on trip tank, hole taking proper fill.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Report #: 35 Daily Operation: 3/8/2014 06:00 - 3/9/2014 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 028790
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Days From Spud (days) 74	Days on Location (days) 33	End Depth (ftGRD) 18,966.0	End Depth (TVD) (ftGRD) 8,723.9	Dens Last Mud (lb/gal) 11.20	Rig NABORS DRILLING, M58
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Operations Summary
LD DP F/7,000', T/1,000', Rig Service, LD DP F/1,000', T/BIT, TIH F/Surface, T/3,000', LD DP F/3,000', T/Bit, Remove wearbushing, Rig up Tesco casing tools, Held PJSM, Run Casing F/0', T/6,500'.

Remarks
Nabors M-58 Well (University 3-33-4H) Progress: 32.47 days since accepted, 32.3 days since spud

Rig NPT .0 Hours for previous 24 hrs.. 0 Hours for the month of March.

Rig NPT: 0 Hours for previous 24 hours, 0 Hours for month of March.
Directional NPT: 43.25 hrs total, 0 for previous 24 hrs

Completion percentage: Surface 100%, Intermediate 100%, Curve 100%, Lateral 100%

Plan #4 Left 21' Low 17' @ (MD 18,988' / TVD 8,745') Distance from 3H -522' ; 5H - 548' @ 18,988'.

Nabors M58 currently has Full crews

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/8/2014 06:00	3/8/2014 11:15	5.25	TRIP OUT HOLE	TOOH	TOOH	POOH LD drill pipe F/7000', T/1000', monitoring well on trip tank, hole taking proper fill.
3/8/2014 11:15	3/8/2014 11:45	0.5	RIG SERVICE	RIG SERVICE (DRAWWORKS, TOP DRIVE ECT.)	RIGSER	Rig Service - Repair TD encoder w/ TD tech.
3/8/2014 11:45	3/8/2014 12:45	1	TRIP OUT HOLE	TOOH	TOOH	POOH LD drill pipe F/1000', T/Bit', monitoring well on trip tank, hole taking proper fill.
3/8/2014 12:45	3/8/2014 14:00	1.25	TRIP IN HOLE	TRIP IN HOLE	TIH	TIH F/ Surface T/ 3000' w/ remaining pipe in Derrick.
3/8/2014 14:00	3/8/2014 17:45	3.75	TRIP OUT HOLE	TOOH	TOOH	POOH LD drill pipe F/3000', T/ Bit', monitoring well on trip tank, hole taking proper fill.
3/8/2014 17:45	3/8/2014 18:30	0.75	BHA	BHA HANDLING	BHA	Remove wearbushing, and function test hydril, backing out of pins witnessed by foreman.
3/8/2014 18:30	3/8/2014 19:15	0.75	PROD-CASE	RUN PRODUCTION CSG	CASE	Clean rig floor, remove bailes, elevators, and stabbing guide off topdrive to rig up crt.
3/8/2014 19:15	3/8/2014 21:00	1.75	PROD-CASE	RUN PRODUCTION CSG	CASE	Rig up to run casing, hang service loop, make up crt to topdrive, and pick up casing tools to rig floor.
3/8/2014 21:00	3/8/2014 21:15	0.25	SAFETY	PRE-JOB SAFETY MEETING	SAFETY	Held PJSM with Weatherford, Tesco, and Nabors over running production casing.
3/8/2014 21:15	3/9/2014 02:00	4.75	PROD-CASE	RUN PRODUCTION CSG	CASE	Make up Shoe, 2 joint shoe track, float sub, latch down collar, 1 joint, and toes sleeve, pump thru and check floats ok, RIH F/140', T/3,885', monitoring displacement on trip tank, hole giving proper displacement filling up every 40 joints.
3/9/2014 02:00	3/9/2014 03:00	1	SAFETY	PRE-JOB SAFETY MEETING	SAFETY	Daylight savings time
3/9/2014 03:00	3/9/2014 06:00	3	PROD-CASE	RUN PRODUCTION CSG	CASE	Run 5.5" Production casing F/3,885', T/6,500', Monitoring displacement on trip tank, hole giving proper displacement, Filling every 40 joints.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Report #: 36 Daily Operation: 3/9/2014 06:00 - 3/10/2014 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 028790
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Days From Spud (days) 75	Days on Location (days) 34	End Depth (ftGRD) 18,966.0	End Depth (TVD) (ftGRD) 8,723.9	Dens Last Mud (lb/gal) 11.20	Rig NABORS DRILLING, M58
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Operations Summary
Run 5.5" Csg F/6,500', T/8,011', C&C, Run F/8,011', T/11,029', Cir BU, Run F/11,029', T/14,010', Cir BU, Run F/14,010', T/18,973', Land out, C&C, Rig Down CRT, C&C, Rig up Cementers.

Remarks
Nabors M-58 Well (University 3-33-4H) Progress: 32.47 days since accepted, 32.3 days since spud

Rig NPT .0 Hours for previous 24 hrs.. 0 Hours for the month of March.

Rig NPT: 0 Hours for previous 24 hours, 0 Hours for month of March.

Directional NPT: 43.25 hrs total, 0 for previous 24 hrs

Completion percentage: Surface 100%, Intermediate 100%, Curve 100%, Lateral 100%

Plan #4 Left 21' Low 17' @ (MD 18,988' / TVD 8,745') Distance from 3H -522' ; 5H - 548' @ 18,988'.

Nabors M58 currently has Full crews

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/9/2014 06:00	3/9/2014 07:45	1.75	PROD-CASE	RUN PRODUCTION CSG	CASE	Run 5.5" Production casing F/6500', T/8011', Monitoring displacement on trip tank, hole giving proper displacement, Filling every 40 joints.
3/9/2014 07:45	3/9/2014 08:45	1	CIRC	CIRCULATE	CIRC	Circulate and Condition - BU 8011', 3600stks, @ 336gpm.
3/9/2014 08:45	3/9/2014 11:30	2.75	PROD-CASE	RUN PRODUCTION CSG	CASE	Run 5.5" Production casing F/8011', T/11029', Monitoring displacement on trip tank, hole giving proper displacement, Filling every 40 joints.
3/9/2014 11:30	3/9/2014 13:00	1.5	CIRC	CIRCULATE	CIRC	Circulate and Condition - BU 11029', 5000stks, @ 336gpm. PU 175K SO 150K, Gas 330.
3/9/2014 13:00	3/9/2014 15:45	2.75	PROD-CASE	RUN PRODUCTION CSG	CASE	Run 5.5" Production casing F/11029', T/14,010', Monitoring displacement on trip tank, hole giving proper displacement, Filling every 40 joints.
3/9/2014 15:45	3/9/2014 17:15	1.5	CIRC	CIRCULATE	CIRC	Circulate and Condition - BU 14,010", 5000stks, @ 336gpm. PU 200K SO 135K, Gas 750.
3/9/2014 17:15	3/9/2014 21:15	4	PROD-CASE	RUN PRODUCTION CSG	CASE	Run 5.5" Production casing F/14,010', T/18,973', Monitoring displacement on trip tank, hole giving proper displacement, Filling every 40 joints. Shoe@ 18,970'. Float Collar@ 18,892'. Latch Down Collar@ 18,890'. Toe Sleeve @ 18,831.5'.
3/9/2014 21:15	3/9/2014 22:15	1	PROD-CASE	RUN PRODUCTION CSG	CASE	Pick up powertongs, and make up landing joint, pulled spiders, and rotary bushings, landed out hanger in head with 100K string wt hanging.
3/9/2014 22:15	3/9/2014 23:15	1	CIRC	CIRCULATE	CIRC	C&C, rigging down crt,@ 8bbl/min, 1250 SPP, full returns.
3/9/2014 23:15	3/10/2014 02:15	3	PROD-CASE	RUN PRODUCTION CSG	CASE	Lay down CRT tool, pick up casing bails, and elevators, make up FOSV, swedge, and fill up line, monitoring well on trip tank, well static.
3/10/2014 02:15	3/10/2014 05:30	3.25	CIRC	CIRCULATE	CIRC	C&C 8bbl/min, 1250 SPP, Full Returns, Waiting on Cementers, 2 pumps on location @ 04:00, still waiting on two cement trucks, rig up all lines on ground, standpipe, and picked up all circulating iron while waiting on final cement trucks, and pilot test, final trucks on location@ 05:00.
3/10/2014 05:30	3/10/2014 06:00	0.5	PROD-CMT	CEMENT PRODUCTION CSG	CMT	Rig up cementers

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Report #: 37 Daily Operation: 3/10/2014 06:00 - 3/11/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 028790		
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig			
76	35	18,966.0	8,723.9	11.20	NABORS DRILLING, M58			

Operations Summary
Circ/Cond hole. R/U cementers. PJSM. CMT 5.5 production section. R/D cementers. Set mandreal packoff seals. N/D BOP. Clean mud pits. Release rig at 06:00 03/11/14

Remarks
Nabors M-58 Well (University 3-33-4H) Progress: 33.47 days since accepted, 33.3 days since spud

Rig NPT .0 Hours for previous 24 hrs.. 0 Hours for the month of March.

Rig NPT: 0 Hours for previous 24 hours, 0 Hours for month of March.
Directional NPT: 43.25 hrs total, 0 for previous 24 hrs

Completion percentage: Surface 100%, Intermediate 100%, Curve 100%, Lateral 100%

Nabors M58 currently has Full crews

Release rig at 06:00 HR 03/11/14

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/10/2014 06:00	3/10/2014 09:15	3.25	CIRC	CIRCULATE	CIRC	circ/cond hole clean. 80 spm with 1,100 psi 400 diff psi, 336 gpm 54% flw rate Note: Waiting on lab test on cement blends.
3/10/2014 09:15	3/10/2014 10:15	1	PROD-CMT	CEMENT PRODUCTION CSG	CMT	Make up cement head, and circulating iron on rig floor, load plugs witnessed by foreman, install washup lines.
3/10/2014 10:15	3/10/2014 10:30	0.25	SAFETY	PRE-JOB SAFETY MEETING	SAFETY	Held PJSM with Weatherford, Schlumberger, and Nabors over pumping cement.
3/10/2014 10:30	3/10/2014 15:45	5.25	PROD-CMT	CEMENT PRODUCTION CSG	CMT	Test cmt lines to 5000 psi high & 200 psi low. Pumped Mudpush Express 50 bbls of 11.3 ppg Mudpush Express B389 1.00lb/BW/V.Spacer, D206 Anti Foam 0.200 gal/bbl of spacer, B220 Surfactant B220, 1.000gal/bbl of spacer, D031 Weighting agent agent 3872.9 lb/mgal TXI Lead Slurry (653 sks) pumped 255 bbls total, Extended @11.5 ppg, yeild @ 2.19 ft3/sk, mixed water 12.838 gal/sk, D049 cement 75.0lb/sk WBWOB, D167 Fluid loss 0.6% BWOB, , D046 AntiFoam 0.2% BWOB, D013, Retarder 0.6% BWOB, D065 Dispersant.0.1%BWOB, D020 Extender 10.0% BWOB, D178, Silica 6.0% BWOB, D208 viscosifier 0.1% BWOB, B056 Pressure seal LCM 5 lb/sk WBWOB, B288 Mica Medium 6.0lb/sk WBWOB, 425 sks 75lb/sk TXI Tail slurry (1885 sks) pump 558 bbls total, density 12.50 ppg, yeild 1.66 ft3/sk, mix water 8.919 gal/sk, total volume of 558 bbls, DO 49 cement 75.0 lb/sk WBWOB, DO20 extender 5.0% BWOB, DO46 Anti Foam 0.2% BWOB,, D207 Fluid loss 0.5% BWOB, DO13 Retarder 0.5% BWOB,, DO65 Disperant 0.1% BWOB, D208 Viscosifier 0.2% BWOB, Drop bttm plug @ 14:30 hrs Displace w/415 bbls of Biocide water Density 8.32 lb/gal, additives B244, Greencide25G, 0.084 gal/bbl of wash. Lift pressure 50 bbls-1267 psi, 7.7 BPM, 100 bbls-1748 psi BPM-7.7, 150 bbls-2336 -psi BPM-7.7. 200 BBLs-2516, -psi, BPM-7.7, 250 bbls-2604psi BPM-7.7, 300 bbls-psi2645 BPM-6.3, 350 bbls-2462 psi- BPM-6.5, BPM-4 400 bbls-2713 psi BPM 2.3, 415 bbls 2090 psi. Bump plug 2890 psi (800 over to 2890 psi), Held for 5 mins floats held bleed back 3 bbls. Bump plug at 14:51 hrs. Full returns throughout the whole cement job

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/10/2014 15:45	3/10/2014 17:15	1.5	PROD-CMT	CEMENT PRODUCTION CSG	CMT	Rig down cement head, and circulating iron, and lay down FOSV.
3/10/2014 17:15	3/10/2014 18:00	0.75	PROD-CMT	CEMENT PRODUCTION CSG	CMT	Lay down casing tongs, pick up madrel pack off seals.
3/10/2014 18:00	3/10/2014 19:00	1	WLHEAD	WELLHEAD	WLHEAD	Make up mandrell pack assy running tool. Ran down and verify seal set. All good. Run in lock pins. Backed out running tool and lay down landing joint same.
3/10/2014 19:00	3/10/2014 19:15	0.25	PROD1	Nipple up and down blow out preventer	NU/ND BOP	Flush stack and equipment same.
3/10/2014 19:15	3/11/2014 00:00	4.75	PROD1	Nipple up and down blow out preventer	NU/ND BOP	Nipple down BOP, remove hydrolic choke, HCR, pollution pans, Pick up stack and install abandonment cap.
3/11/2014 00:00	3/11/2014 06:00	6	PROD1	WORK	CLEANO UT	Clean pits. Meanwhile rig down misc rig service equip, scope in derrick, (Release rig @ 06:00 03/11/14)

Report #: 1 Daily Operation: 3/14/2014 06:00 - 3/15/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, x	
79	1	-22.0				

Operations Summary

Clean out cellar , Plumb in surface and intermediate casing to Ground level , Painted intermediate 2" Ball Valve Green and 2" Surface Ball Valve Red , NU B Section and test to 5K , Good Test .Fill in cellar with pea gravel ,

Remarks

Production , Installing Sales and injection lines on location .

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/14/2014 06:00	3/14/2014 18:00	12	COMPL	Other operations	OTHR	Clean out cellar , Plumb in surface and intermediate casing to Ground level , Painted intermediate 2" Ball Valve GREEN and 2" Surface Ball Valve RED , NU B Section and test to 5K , Good Test .Fill in cellar with pea gravel ,
3/14/2014 18:00	3/15/2014 06:00	12	COMPL	Shut down for night	SDFN	Shut down for tonight ,

Report #: 2 Daily Operation: 3/15/2014 06:00 - 3/16/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, x	
80	2	-22.0				

Operations Summary

PJSM , NU 7.1/16 X 10K Lower Frac Valve and 7.1/16 x 10 Mud Cross with Night Cap . Bring in and set up 4 sand silos , Production continue to work on Sales and electric lines going to wellhead

Remarks

Production , Installing Sales and injection lines on location .

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/15/2014 06:00	3/15/2014 18:00	12	COMPL	Other operations	OTHR	PJSM , NU 7.1/16 X 10K Lower Frac Valve and 7.1/16 x 10 Mud Cross with Night Cap . Bring in and set up 4 sand silos , Production continued to work on Sales and electric lines going to wellhead
3/15/2014 18:00	3/16/2014 06:00	12	COMPL	Other operations	OTHR	Shut down for tonight ,

Report #: 3 Daily Operation: 3/16/2014 06:00 - 3/17/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, x	
81	3	-22.0				

Operations Summary

PJSM , RU API WL ,
Run Gauge Ring , Junk Basket ,
Radial Cement Bond Gamma - Ray / Collar Log

Remarks

API , No Down Time

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/16/2014 06:00	3/16/2014 12:00	6	PROD1	OTHER	WSI	WSI , Wait on WL ops on 3-33-3h
3/16/2014 12:00	3/16/2014 15:15	3.25	COMPL	cement bond log	LOGCBL	PJSM , MIRU , API WL , RIH W/ 4.50 gauge ring and junk basket , Found Marker Joints at 7,884-7,904' / 8,098'-8,118' Unable to Corrolate Because there not on the Casing Report , Continue in hole to 8,810' , POOH , RIH W/ Radial Cement Bond Gamma-Ray / Collar Log , to 8,740' Log up to Surface . Secure well , SDON ,
3/16/2014 15:15	3/17/2014 06:00	14.7 5	PROD1	OTHER	WSI	SDON

Report #: 4 Daily Operation: 3/17/2014 06:00 - 3/18/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days) 82	Days on Location (days) 4	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, x	

Operations Summary

PJSM , MIRU RSI , RPS Flow Back , Water Transfer ,
Open Sleeve
Sleeve opened @ 9,200 psi in 20 mins
Cleaned wellbore with 1,500 gals of 7.5% HCL,5 bbls of fresh water,and 500 gals of limonene

Remarks

RSI , No Down Time

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/17/2014 06:00	3/17/2014 18:00	12	COMPL	RURD any equipment: WL, EL, CT, etc.	RURD	PJSM , MIRU , RSI , RPS Flowback , Install 10K Upper Frac Valve & Goat Head , RU FDS Water Transfer , Pioneer Chemical Transport ,
3/17/2014 18:00	3/17/2014 20:30	2.5	COMPL	Other operations	OTHR	WSI, Waited on Sleeve opening ops on the #3H
3/17/2014 20:30	3/17/2014 23:00	2.5	COMPL	Formation Injection Test	FIT	Test the intermidate casing to 1,500 psi , dropped 250 psi in 5 min , Open bottom Frac valve pressure up on 5.5 casing to 6500 psi , Monitor pressure , 5 min 6,450 psi , 10 min 6,350 psi , 15 min 6,300 psi , Intermidate pressure stayed at 1,500 psi , Bring pressure up to 9500 psi , sleeve opened in 20 min , Pressure was at 9,000 psi when it opened , Pressure came down to 2,810 psi in 20 min. Establish injection rate 18 bpm /6,870 , Pump Acid 2.7 bpm / 3,900 psi. Displaced acid at 20 bpm / 7,830. Acid on formation 20 bpm / 7,300. Pumped a tiotal of 618 bbls. 5 min-3,100 psi 10 min- 3,000 psi 15 min-2,900 psi Pumped 618 bbls FTR 618 bbls
3/17/2014 23:00	3/18/2014 06:00	7	COMPL	Other operations	OTHR	WSI,Waiting on wireline ops on the #3H at report time.

Report #: 5 Daily Operation: 3/18/2014 06:00 - 3/19/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days) 83	Days on Location (days) 5	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, x	

Operations Summary

Set plug and Perf stage 1 , Gamma Ray Log Lateral
MIRU Pioneer Pumping Services

Remarks

RSI , No Down Time

FTR 1,313 bbls

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/18/2014 06:00	3/18/2014 13:30	7.5	COMPL	Other operations	OTHR	WSI, Waiting on wireline ops on the #3H

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/18/2014 13:30	3/18/2014 18:30	5	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU Arklatex WL for Stage #1. RIH & pump down Baker CFP & 5 each 3.1/8" guns. Set CFP @ 18,821'. Perforate intervals : 18,811' - 18,809'/18,771' - 18,749'/18,691' - 18,689/18,631' - 18,629'/ 18,571' - 18,569' w/ 40 shots, 4 SPF, 60*, 21 GR, 0.42" EHD perf guns. 40 holes total. Gamma - Ray log Lateral out of well ,Secure well , All shots fired. RD WL . Pump down @ 15 bpm / 6,100 psi. Line speed 300 ft/min. Used 695 bbls FTR: 1,313 bbls
3/18/2014 18:30	3/19/2014 06:00	11.5	MOBILIZATION	MIRU	MIRU	WSI, MIRU Pioneer Pumping services

Report #: 6 Daily Operation: 3/19/2014 06:00 - 3/20/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, x	
84	6	-22.0				

Operations Summary

WSI, Move in and rig up Pioneer Pumping Services

Remarks

PPS Downtime: 0 hrs Cum tot: 0 hrs
 API 10K Lube Downtime: 0 hrs Cum tot: 0 hrs
 RSI Downtime: 0 hrs Cum tot: 0 hrs
 FDS Downtime: 0 hrs Cum tot: 0 hrs
 ARK-LA-TEX W/L: 0 hrs. Cum tot: 0 hrs.
 Weather Downtime: 0 hrs Cum tot: 0 hrs

FTR- 1,313 Bbls

RT- 0

CR- 0

LTR- 1,313 Bbls

TSIF: 0 LBS

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/19/2014 06:00	3/20/2014 06:00	24	MOBILIZATION	MIRU	MIRU	WSI, MIRU Pioneer Pumping Services

Report #: 7 Daily Operation: 3/20/2014 06:00 - 3/21/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, x	
85	7	-22.0				

Operations Summary

Frac Stage # 1 , Perf Stage 2 ,
 Fracing Stage 2 @ at Report time ,

Remarks

PPS Downtime: 0 hrs Cum tot: 0 hrs
 API 10K Lube Downtime: 0 hrs Cum tot: 0 hrs
 RSI Downtime: 0 hrs Cum tot: 0 hrs
 FDS Downtime: 0 hrs Cum tot: 0 hrs
 ARK-LA-TEX W/L: 0 hrs. Cum tot: 0 hrs.
 Weather Downtime: 0 hrs Cum tot: 0 hrs

FTR- 12,656

RT- 0

CR- 0

LTR- 12,656 Bbls

TSIF: 337,524 LBS

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/20/2014 06:00	3/20/2014 11:00	5	COMPL	Frac	STIM	<p>FRAC STG # 1 of 34: Test stack to 9,500 psi. Hold 1500 psi on backside. PPS frac'd perfs per schedule w/ 46 bbls 15% HCL, 337,524 lbs.30/50 brown sand & 10,116 bbls of hybrid fluid linear/X-link down 5.5" csg.</p> <p>Step test: 80 @ 7,400 Psi 60 @ 6,450 Psi 40 @ 5,390 Psi 20 @ 4,420 Psi</p> <p>Formation broke @ 20 bpm @ 5,010 psi. Acid on form @ 30 bpm @ 5,980 psi. Acid cleared @ 60 bpm @ 7,900 psi.</p> <p>Increased rate to 80 bpm. Started Stage w/ 15# gel Equivalent gel loading, 13 cp.@ 55 *F Pumped 3,480 bbl pad. Ramped 30/50 brown sand from 0.5 ppg to 3 ppg. Flushed well with 481 bbls. Ending rate 68 bpm @ 8,130 psi. Placed 100% prop in formation.</p> <p>Avg rate: 70 bpm Avg psi: 7,665 psi Max rate: 80 bpm Max psi: 9,500 psi Pad ISIP: 3,742 psi FG: 0.86 psi/ft 5 Min.SIP: 3,270 Psi Ending ISIP: 3,516 psi FG: 0.83 psi/ft</p> <p>LTR= 11,429 bbls. TSIF= 337,524 lbs.</p>
3/20/2014 11:00	3/20/2014 19:45	8.75	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	<p>RU Ark-La-Tex WL for Stage #2. RIH & pump down Baker CFP & 5 each 3.125" guns. Set CFP @ 18,540'. Perforate intervals 18,509' – 511', 18,449' – 451', 18,389' – 391', 18,329' – 331' & 18,269' – 271' w/ 40 shots, 4 SPF, 60*, 21.5 GR, 0.37" EHD perf guns.40 holes total. POOH. All shots fired. RD WL . Pump down @14 bpm / 5,400 psi. Line speed 250 ft/min. WL hung up @ 18,479', 18,262' & 17,636'. Worked through lower tight spots(collars as calculated by logs) could not get through 17,636'. Pumped guns back down to plug at 18,544' and swept well and started back up at 75 FPM hung again at 18,479' & 18,262' worked WL and pumped 4 BPM and worked through collars. Continued to pump 4 BPM and increased to 100 FPM came through collar at 17,636' with very little notice of increased tension. shut pump down at 16,800' and continued to POOH at 140 FPM. Will inspect tools when OOH to determine where hang ups occurred. All tools looked good . Continue Ops.</p> <p>FTR: 1227 Bbls LTR: 12,656 Bbls TSIF: 337,524 Lbs.</p>
3/20/2014 19:45	3/21/2014 05:00	9.25	COMPL	Other operations	OTHR	WSI waiting on 3H & 5H ops ,
3/21/2014 05:00	3/21/2014 06:00	1	COMPL	Frac	STIM	Fracing Stage 2 at report Time ,

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Report #: 8 Daily Operation: 3/21/2014 06:00 - 3/22/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766		
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig			
86	8	-22.0			PIONEER PUMPING SERVICES, x			

Operations Summary
 Frac Stgs. 2,
 Plug & Perf Stgs. 3,
 Shut down frac Ops to determine intermediate Press. Problems(likely cause either surface Iron Valves leaking on B-sections Leaking from csng. to Intermed. Csng)
 Frac stage 3 ,
 Perf Stage 4,

Remarks
 PPS Downtime: 0 hrs Cum tot: 0 hrs
 API 10K Lube Downtime: 0 hrs Cum tot: 0 hrs
 RSI Downtime: 0 hrs Cum tot: 0 hrs
 FDS Downtime: 0 hrs Cum tot: 0 hrs
 ARK-LA-TEX W/L: 0 hrs. Cum tot. 0 hrs.
 Weather Downtime: 0 hrs Cum tot: 0 hrs
 Well Head Issues: 6.0 hrs. Cum tot: 6 hrs

FTR- 31,476

RT- 0

CR- 0

LTR- 31,476 Bbls

TSIF: 1,007,920 LBS

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/21/2014 06:00	3/21/2014 07:30	1.5	COMPL	Frac	STIM	FRAC STG # 2 of 34: Test stack to 9,500 psi. Hold 1500 psi on backside. PPS frac'd perfs per schedule w/ 24 bbls 15% HCL, 335,428 lbs.30/50 brown sand & 9,375 bbls of hybrid fluid linear/X-link down 5.5" csg. Step test: 80 @ 7,371 Psi 60 @ 6,247 Psi 40 @ 5,263 Psi 20 @ 4,406 Psi Formation broke @ 20 bpm @ 4,900 psi. Acid on form @ 30 bpm @ 4,900 psi. Acid cleared @ 50 bpm @ 7,400 psi. Increased rate to 80 bpm. Started Stage w/ 16# gel Equivalent gel loading, 11 cp.@ 60 *F Pumped 2,486 bbl pad. Ramped 30/50 brown sand from 0.5 ppg to 3 ppg. Flushed well with 484 bbls. Ending rate 69 bpm @ 7,450 psi. Placed 100% prop in formation. Avg rate: 67 bpm Avg psi: 8,030 psi Max rate: 80 bpm Max psi: 9,450 psi Pad ISIP: 3,740 psi FG: 0.88 psi/ft 5 Min.SIP: 3,525 Psi Ending ISIP: 3,400 psi FG: 0.84 psi/ft LTR= 22,031 bbls. TSIF= 672,952 lbs.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/21/2014 07:30	3/21/2014 11:30	4	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU Ark-La-Tex WL for Stage #3. RIH & pump down Baker CFP & 5 each 3.125" guns. Set CFP @ 18,240 '. Perforate intervals 18,209' - 211, 18,149' - 151', 18,089' - 091', 18,029' - 031' & 17,969' - 971' w/ 40 shots, 4 SPF, 60", 21.5 GR, 0.37" EHD perf guns. 40 holes total. POOH. All shots fired. RD WL . Pump down @ 14 bpm / 5,400 psi. Line speed 250 ft/min. FTR: 1,009 Bbls. LTR: 23,040 Bbls. TSIF: 672,952 LBS.
3/21/2014 11:30	3/21/2014 21:30	10	COMPL_UNPLN D	Other i.e.: pressure control equipment failure, wa	U_OTHR	Wait on 3H ops & testing casing & Intermediate on all wells and repressured B-Section well heads. after wards tested all intermediates and all tests confirmed no leaks from casing to intermediate . Wait on Frac ops on 3 & 5 ,
3/21/2014 21:30	3/21/2014 23:30	2	COMPL	Frac	STIM	FRAC STG # 3 of 34: Test stack to 9,500 psi. Hold 1500 psi on backside. PPS frac'd perfs per schedule w/ 61 bbls 15% HCL, 334,968 lbs. 30/50 brown sand & 7,936 bbls of hybrid fluid linear/X-link down 5.5"- csg. Step test: 80 @ 7810 Psi 60 @ 6440 Psi 40 @ 5216 Psi 20 @ 4293 Psi Formation broke @ 20 bpm @ 4701 psi. Acid on form @ 30 bpm @ 4720 psi. Acid cleared @ 60 bpm @ 5700 psi. Increased rate to 80 bpm. Started Stage w/ 18 # gel Equivalent gel loading, 12 cp. @ 64 *F Pumped 2,286 bbl pad. Ramped 30/50 brown sand from 0.5 ppg to 3 ppg. Flushed well with 478 bbls. Ending rate 75 bpm @ 6.466 psi. Placed 100% prop in formation. Avg rate: 69 bpm Avg psi: 7901 psi Max rate: 80 bpm Max psi: 8750 psi Pad ISIP: 3756 psi FG: 0.86 psi/ft 5 Min. SIP: 3472 Psi Ending ISIP: 3678 psi FG: 0.85 psi/ft Clean = 7936 bbls. FTR = 30,976 bbls SIF Stage 3 = 334,968 lbs. TSIF 1,007,920 lbs
3/21/2014 23:30	3/22/2014 02:00	2.5	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU Ark-La-Tex WL for Stage #4. RIH & pump down Baker CFP & 5 each 3.125" guns. Set CFP @ 17,940 '. Perforate intervals 17,909' - 911, 17,849' - 851', 17,789' - 791', 17,729' - 731' & 17,669' - 671' w/ 40 shots, 4 SPF, 60", 21.5 GR, 0.37" EHD perf guns. 40 holes total. POOH. All shots fired. RD WL . Pump down @ 12 bpm / 4500 psi. Line speed 300 ft/min. TBP: 500 Bbls FTR Total: 31,476 Bbls CR Total: ___ Bbls LTR Total : 31,476 Bbls
3/22/2014 02:00	3/22/2014 06:00	4	COMPL	Other operations	OTHR	WSI waiting on 3H & 5H Ops.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Report #: 9 Daily Operation: 3/22/2014 06:00 - 3/23/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days) 87	Days on Location (days) 9	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, x	

Operations Summary
Reperf Stg.4 due to pressure
Frac Stages. 4,
Plug & Perf Stages. 5,

Remarks
PPS Downtime: 0 hrs Cum tot: 0 hrs
API 10K Lube Downtime: 0 hrs Cum tot: 0 hrs
RSI Downtime: 0 hrs Cum tot: 0 hrs
FDS Downtime: 0 hrs Cum tot: 0 hrs
ARK-LA-TEX W/L: 0 hrs. Cum tot. 0 hrs.
Weather Downtime: 0 hrs Cum tot: 0 hrs
Well Head Issues: 0 hrs. Cum tot: 6 hrs

FTR- 40,487 bbls

RT- 0

CR- 0

LTR- 40,487 Bbls

TSIF: 1,341,733 LBS

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/22/2014 06:00	3/22/2014 10:00	4	COMPL	Other operations	OTHR	WSI waiting on 3H & 5H Perf and Frac ops
3/22/2014 10:00	3/22/2014 11:00	1	COMPL	Frac	STIM	Started Stage 4 Frac Pumped Acid and set ball and pumped 770 Bbls. pressure 9,200 PSI at 51 BPM. Contacted Engineer and will Repperf stage 4 in between existing perfs
3/22/2014 11:00	3/22/2014 16:00	5	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU Ark-La-Tex WL for Stage # 4 reperf. RIH & pump down 5 each 3.125" guns. Perforate intervals 17,650' - 17,652' & 17,699' - 17,701' & 17,759' - 17,761' & 17,819' - 17,821' & 17,879' - 17,881' w/ 8 shots, 4 SPF, 60*, 21.5 GR, 0.42" EHD, perf guns. 40 holes total. POOH. All shots fired. RD WL; .Pump down at 14 Bpm at 5,600 PSI and 255 Ft/Min. Line Speed FTR: 630 BBLS LTR: 32,106 BBLS TSIF: 1,007,920 lbs.
3/22/2014 16:00	3/22/2014 18:30	2.5	COMPL	RURD any equipment: WL, EL, CT, etc.	RURD	Install Pop-Offs on Intermediate casing set at 1,800 PSI and plumb to pit

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/22/2014 18:30	3/22/2014 20:45	2.25	COMPL	Frac	STIM	<p>FRAC STG # 4 of 34: Test stack to 9,500 psi. Hold 1500 psi on backside. PPS frac'd perms per schedule w/ 36 bbls 15% HCL, 333,813 lbs.30/50 brown sand & 7882 bbls of hybrid fluid linear/X-link down 5.5" csg.</p> <p>Step test: Could not get 80 BPM Due to Press. 60 @ 8804 Psi 40 @ 6425 Psi 20 @ 4450 Psi</p> <p>Formation broke @ 4850 bpm @ 30 psi. Acid on form @ 30 bpm @ 4850 psi. Acid cleared @ 50 bpm @ 8200 psi.</p> <p>Increased rate to 80 bpm. Started Stage w/ 18.5 # gel Equivalent gel loading, 12 cp.@ 68 *F Pumped 2286 bbl pad. Ramped 30/50 brown sand from 0.5 ppg to 3 ppg. Flushed well with 471 bbls. Ending rate 80 bpm @ 7100 psi. Placed 100% prop in formation.</p> <p>Avg rate: 72 bpm Avg psi: 7802 psi Max rate: 80 bpm Max psi: 9154 psi Pad ISIP: 3902 psi FG: 0.87 psi/ft 5 Min.SIP: 2807 Psi Ending ISIP: 4362 psi FG: 0.93 psi/ft</p> <p>Clean = 7881 FTR= 39,987 bbls. SIF= 333,813 lbs. TSIF=1,341,733</p>
3/22/2014 20:45	3/22/2014 23:15	2.5	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	<p>RU Ark-La-Tex WL for Stage #5. RIH & pump down Baker CFP & 5 each 3.125" guns. Set CFP @ 17,634'. Perforate intervals 17,609' – 611, 17,549' – 551', 17,489' – 491', 17,429' – 431' & 17,369' – 371' w/ 40 shots, 4 SPF, 60*, 21.5 GR, 0.37" EHD perf guns.40 holes total. POOH. All shots fired. RD WL .</p> <p>Pump down @12 bpm / 4600 psi. Line speed 300 ft/min.</p> <p>Pumped 500 Bls FTR: 40,487 Bbls TSIF: 1,341,733 LBS.</p>
3/22/2014 23:15	3/23/2014 06:00	6.75	COMPL	Other operations	OTHR	WSI waiting on 3H & 5H Perf and Frac ops

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Report #: 10 Daily Operation: 3/23/2014 06:00 - 3/24/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766		
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, x			
88	10	-22.0						

Operations Summary

Frac Stgs. 5,
Plug & Perf Stgs. 6,
Frac Stage 6
Plug & Perf Stage 7

Remarks

PPS Downtime: 5.75 hrs Cum tot: 5.75 hrs
API 10K Lube Downtime: 0 hrs Cum tot: 0 hrs
RSI Downtime: 0 hrs Cum tot: 0 hrs
FDS Downtime: 0 hrs Cum tot: 0 hrs
ARK-LA-TEX W/L: 0 hrs. Cum tot: 0 hrs.
Weather Downtime: 0 hrs Cum tot: 0 hrs
Well Head Issues: 0 hrs. Cum tot: 6 hrs

FTR- 57,423 bbls

RT- 0

CR- 0

LTR- 57,423 Bbls

TSIF: 2,012,486 LBS

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/23/2014 06:00	3/23/2014 09:00	3	COMPL	Other operations	OTHR	Wait on 3H Ops
3/23/2014 09:00	3/23/2014 13:45	4.75	COMPL_UNPLN D	Unplanned time due to PXD pumping services`	U_PEPX D	Repair Pumps and MIRU additional Pumps. Replace conveyor belt due to chunks missing and tears
3/23/2014 13:45	3/23/2014 16:00	2.25	COMPL	Frac	STIM	<p>FRAC STG # 5 of 34: Test stack to 9,500 psi. Hold 1500 psi on backside. PPS frac'd perfs per schedule w/ 48 bbls 15% HCL, 335,444 lbs.30/50 brown sand & 8,027 bbls of hybrid fluid linear/X-link down 5.5" csg.</p> <p>Step test: 80 @ 6,880 Psi 60 @ 5,890 Psi 40 @ 4,950 Psi 20 @ 4,130 Psi</p> <p>Formation broke @ 20 bpm @ 4,667 psi. Acid on form @ 30 bpm @ 5,450 psi. Acid cleared @ 60 bpm @ 5,740 psi.</p> <p>Increased rate to 80 bpm. Started Stage w/ 16# gel Equivalent gel loading, 12 cp.@ 58 *F Pumped 3234 bbl pad. Ramped 30/50 brown sand from 0.5 ppg to 3 ppg. Flushed well with 463 bbls. Ending rate 80 bpm @ 7,180 psi. Placed 100% prop in formation.</p> <p>Avg rate: 80 bpm Avg psi: 7,420 psi Max rate: 80 bpm Max psi: 8,700 psi Pad ISIP: 3,630 psi FG: 0.85 psi/ft 5 Min.SIP: 2,960 Psi Ending ISIP: 3,650 psi FG: 0.85 psi/ft</p> <p>LTR= 48,514 bbls. TSIF= 1,677,177 lbs.</p>

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/23/2014 16:00	3/23/2014 19:30	3.5	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU Ark-La-Tex WL for Stage #6. RIH & pump down Baker CFP & 5 each 3.125" guns. Set CFP @ 17,340'. Perforate intervals 17,309' - 311', 17,249' - 251', 17,189' - 191', 17,129' - 131' & 17,069' - 071' w/ 40 shots, 4 SPF, 60*, 21.5 GR, 0.37" EHD perf guns. 40 holes total. POOH. All shots fired. RD WL. Pump down 523 bpm @ 4,800 psi. Line speed 300 ft/min. FTR: 49,037 Bbls. LTR: 49,037 Bbls. TSIF: 1,677,177 Lbs.
3/23/2014 19:30	3/24/2014 01:30	6	COMPL	Other operations	OTHR	Wait on 3H Ops
3/24/2014 01:30	3/24/2014 03:30	2	COMPL	Frac	STIM	FRAC STG # 6 of 34: Test stack to 9,500 psi. Hold 1500 psi on backside. PPS frac'd perfs per schedule w/ 36 bbls 15% HCL, 335,309 lbs. 30/50 brown sand & 7911 bbls of hybrid fluid linear/X-link down 5.5" csg. Step test: 80 @ 6659 Psi 60 @ 5758 Psi 40 @ 4874 Psi 20 @ 4126 Psi Formation broke @ 20 bpm @ 4100 psi. Acid on form @ 20 bpm @ 4100 psi. Acid cleared @ 30 bpm @ 4150 psi. Increased rate to 80 bpm. Started Stage w/ 17.8 # gel Equivalent gel loading, 12.6 cp. @ 61 *F Pumped 3230 bbl pad. Ramped 30/50 brown sand from 0.5 ppg to 3 ppg. Flushed well with 457 bbls. Ending rate 75 bpm @ 6,222 psi. Placed 100% prop in formation. Avg rate: 68.9 bpm Avg psi: 7,355 psi Max rate: 81.2 bpm Max psi: 8,550 psi Pad ISIP: 3,953 psi FG: 0.88 psi/ft 5 Min.SIP: 3,085 Psi Ending ISIP: 3,772 psi FG: 0.86 psi/ft FTR= 56,948 bbls. TSIF= 2,012,486 lbs.
3/24/2014 03:30	3/24/2014 06:00	2.5	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU Ark-La-Tex WL for Stage #7. RIH & pump down Baker CFP & 5 each 3.125" guns. Set CFP @ 17,040'. Perforate intervals 17,009' - 011', 16,949' - 951', 16,889' - 891', 16,829' - 831' & 16,769' - 771' w/ 40 shots, 4 SPF, 60*, 21.5 GR, 0.37" EHD perf guns. 40 holes total. POOH. All shots fired. RD WL. Pump down @ 14 bpm / 4,800 psi. Line speed 300 ft/min. TBP: 475 Bbls FTR: 57,423 Bbls

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Report #: 11 Daily Operation: 3/24/2014 06:00 - 3/25/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766		
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig			
89	11	-22.0			PIONEER PUMPING SERVICES, x			

Operations Summary
Frac Stages 7,
Plug & Perf Stages 8,
Frac Stage 8
Plug & Perf Stage 9

Remarks
PPS Downtime: 1 hrs Cum tot: 6.75 hrs
API 10K Lube Downtime: 0 hrs Cum tot: 0 hrs
RSI Downtime: 0 hrs Cum tot: 0 hrs
FDS Downtime: 0 hrs Cum tot: 0 hrs
ARK-LA-TEX W/L: 0 hrs. Cum tot: 0 hrs.
Weather Downtime: 0 hrs Cum tot: 0 hrs
Well Head Issues: 0 hrs. Cum tot: 6 hrs

FTR- 74,034 bbls

RT- 0

CR- 0

LTR- 74,034 Bbls

TSIF: 2,679,678LBS

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/24/2014 06:00	3/24/2014 10:30	4.5	COMPL	Other operations	OTHR	Wait on Frac Ops.
3/24/2014 10:30	3/24/2014 11:30	1	COMPL_UNPLN D	Unplanned time due to PXD pumping services`	U_PEPX D	Working on replacing D-Rings on sidecaps of the fluid end of Frac Pump. Had to work on 4 pumps all was the D-Ring on sidecaps leaking.
3/24/2014 11:30	3/24/2014 13:45	2.25	COMPL	Frac	STIM	<p>FRAC STG # 7 of 34: Test stack to 9,500 psi. Hold 1500 psi on backside. PPS frac'd perfs per schedule w/ 33 bbls 15% HCL, 335,769 lbs.30/50 brown sand & 7801 bbls of hybrid fluid linear/X-link down 5.5" csg.</p> <p>Step test: 80 @ 6785 Psi 60 @ 5676 Psi 40 @ 4792 Psi 20 @ 4027 Psi</p> <p>Formation broke @ 19 bpm @ 4376 psi. Acid on form @ 19 bpm @ 4331 psi. Acid cleared @ 56 bpm @ 5829 psi.</p> <p>Increased rate to 80 bpm. Started Stage w/ 17 # gel Equivalent gel loading, 11 cp.@ 60 *F Pumped 3080 bbl pad. Ramped 30/50 brown sand from 0.5 ppg to 3 ppg. Flushed well with 448 bbls. Ending rate 76 bpm @ 6155 psi. Placed 100% prop in formation.</p> <p>Avg rate: 72.9 bpm Avg psi: 7228 psi Max rate: 80.2 bpm Max psi: 8183 psi Pad ISIP: 3521 psi FG: 0.83 psi/ft 5 Min.SIP: 3106 Psi Ending ISIP: 3724 psi FG: 0.85 psi/ft</p> <p>LTR= 65,224 bbls. TSIF= 2,348,255 lbs.</p>

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/24/2014 13:45	3/24/2014 17:00	3.25	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU Ark-La-Tex WL for Stage #8. RIH & pump down Baker CFP & 5 each 3.125" guns. Set CFP @ 16,736'. Perforate intervals 16,709' - 711', 16,649' - 651', 16,589' - 591', 16,529' - 531' & 16,469' - 471' w/ 40 shots, 4 SPF, 60*, 21.5 GR, 0.37" EHD perf guns. 40 holes total. POOH. All shots fired. RD WL. Pump down @ 14 bpm / 5000 psi. Line speed 260 ft/min. LTR: 508 Bbls FTR: 65,732 Bbls
3/24/2014 17:00	3/24/2014 21:30	4.5	COMPL	Other operations	OTHR	Waiting on Frac Ops.
3/24/2014 21:30	3/24/2014 23:30	2	COMPL	Frac	STIM	FRAC STG # 8 of 34: Test stack to 9,500 psi. Hold 1500 psi on backside. PPS frac'd perfs per schedule w/ 36 bbls 15% HCL, 331,423 lbs. 30/50 brown sand & 7,827 bbls of hybrid fluid linear/X-link down 5.5" csg. Step test: 80 @ 6702 Psi 60 @ 5765 Psi 40 @ 4787 Psi 20 @ 4073 Psi Formation broke @ 19 bpm @ 4626 psi. Acid on form @ 20 bpm @ 4350 psi. Acid cleared @ 60 bpm @ 6250 psi. Increased rate to 80 bpm. Started Stage w/ 18 # gel Equivalent gel loading, 12.25 cp. @ 60.5 *F Pumped 3,065 bbl pad. Ramped 30/50 brown sand from 0.5 ppg to 3 ppg. Flushed well with 444 bbls. Ending rate 80 bpm @ 6,371 psi. Placed 100% prop in formation. Avg rate: 68 bpm Avg psi: 6,998 psi Max rate: 80 bpm Max psi: 8,679 psi Pad ISIP: 3657 psi FG: 0.85 psi/ft 5 Min. SIP: 3330 Psi Ending ISIP: 3,655 psi FG: 0.85 psi/ft Clean = 7,827 FTR = 73,559 bbls. SIF = 331,423 lbs. TSIF = 2,679,678
3/24/2014 23:30	3/25/2014 02:30	3	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU Ark-La-Tex WL for Stage #9. RIH & pump down Baker CFP & 5 each 3.125" guns. Set CFP @ 16,440'. Perforate intervals 16,409' - 411', 16,349' - 351', 16,289' - 291', 16,229' - 231' & 16,169' - 171' w/ 40 shots, 4 SPF, 60*, 21.5 GR, 0.37" EHD perf guns. 40 holes total. POOH. All shots fired. RD WL. Pump down @ 14 bpm / 4,900 psi. Line speed 300 ft/min. TBP: 475 Bbls FTR: 74,034 Bbls
3/25/2014 02:30	3/25/2014 06:00	3.5	COMPL	Other operations	OTHR	Waiting on Frac Ops.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Report #: 12 Daily Operation: 3/25/2014 06:00 - 3/26/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766		
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, x			
90	12	-22.0						

Operations Summary

Frac Stages 9,
Plug & Perf stages 10,
Frac Stage # 10

Remarks

PPS Downtime: 3.25 hrs Cum tot: 10.0 hrs
API 10K Lube Downtime: 0 hrs Cum tot: 0 hrs
RSI Downtime: 0 hrs Cum tot: 0 hrs
FDS Downtime: 0 hrs Cum tot: 0 hrs
ARK-LA-TEX W/L: 0 hrs. Cum tot. 0 hrs.
Weather Downtime: 0 hrs Cum tot: 0 hrs
Well Head Issues: 0 hrs. Cum tot: 6 hrs

FTR- 90,193 bbls

RT- 0

CR- 0

TSIF: 3,350,632 LBS

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/25/2014 06:00	3/25/2014 08:00	2	COMPL	Other operations	OTHR	Wait on Frac Ops on 3H & 5H
3/25/2014 08:00	3/25/2014 09:00	1	COMPL	Required pump maintenance for zipper frac equipmem	ZPM	Scheduled Maint.
3/25/2014 09:00	3/25/2014 09:45	0.75	COMPL_UNPLN D	Unplanned time due to PXD pumping services`	U_PEPX D	Pumps down from previous stage. repairing and will have 10 (minumum Needed) to start
3/25/2014 09:45	3/25/2014 12:00	2.25	COMPL	Frac	STIM	<p>FRAC STG # 9 of 34: Test stack to 9,500 psi. Hold 1500 psi on backside. PPS frac'd perfs per schedule w/ 38 bbls 15% HCL, 335,636 lbs.30/50 brown sand & 7,874 bbls of hybrid fluid linear/X-link down 5.5" csg.</p> <p>Step test: 80 @ 6,600 Psi 60 @ 5,550 Psi 40 @ 4,700 Psi 20 @ 3,970 Psi</p> <p>Formation broke @ 20 bpm @ 4,815 psi. Acid on form @ 30 bpm @ 5,695 psi. Acid cleared @ 60 bpm @ 5,400 psi.</p> <p>Increased rate to 80 bpm. Started Stage w/ 15# gel Equivalent gel loading, 10 cp.@ 55 *F Pumped 3,163 bbl pad. Ramped 30/50 brown sand from 0.5 ppg to 3 ppg. Flushed well with 432 bbls. Ending rate 80 bpm @ 6,700 psi. Placed 100% prop in formation.</p> <p>Avg rate: 80 bpm Avg psi: 7,430 psi Max rate: 80 bpm Max psi: 8,680 psi Pad ISIP: 3,500 psi FG: 0.83 psi/ft 5 Min.SIP: 2,975 Psi Ending ISIP: 3,780 psi FG: 0.86 psi/ft</p> <p>LTR= 81,908 bbls. TSIF= 3,015,314 lbs.</p>

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/25/2014 12:00	3/25/2014 15:30	3.5	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU Ark-La-Tex WL for Stage #10. RIH & pump down Baker CFP & 5 each 3.125" guns. Set CFP @ 16,140'. Perforate intervals 16,109' - 111', 16,049' - 051', 15,989' - 991', 15,929' - 931' & 15,869' - 871' w/ 40 shots, 4 SPF, 60*, 21.5 GR, 0.37" EHD perf guns. 40 holes total. POOH. All shots fired. RD WL. Pump down @ 15 bpm / 5,300 psi. Line speed 260 ft/min. FTR Total: 476 Bbls LTR Total : 82,384 Bbls
3/25/2014 15:30	3/25/2014 19:30	4	COMPL	Other operations	OTHR	Wait on Frac Ops on 3H & 5H
3/25/2014 19:30	3/25/2014 22:45	3.25	COMPL_UNPLN D	Unplanned time due to PXD pumping services`	U_PEPX D	PPS , Working on Dirty Side of Pumps , seats and insert valves , wait on Chemicals .
3/25/2014 22:45	3/26/2014 00:45	2	COMPL	Frac	STIM	FRAC STG # 10 of 34: Test stack to 9,500 psi. Hold 1500 psi on backside. PPS frac'd perfs per schedule w/ 69 bbls 15% HCL, 335,318 lbs. 30/50 brown sand & 7,809 bbls of hybrid fluid linear/X-link down 5.5" csg. Step test: 80 @ 6818 Psi 60 @ 5778 Psi 40 @ 4874 Psi 20 @ 4167 Psi Formation broke @ 20 bpm @ 6183 psi. Acid on form @ 20 bpm @ 5309 psi. Acid cleared @ 60 bpm @ 6300 psi. Increased rate to 80 bpm. Started Stage w/ 18.2# gel Equivalent gel loading, 12.6 cp. @ 60.5 *F Pumped 3,074 bbl pad. Ramped 30/50 brown sand from 0.5 ppg to 3 ppg. Flushed well with 431 bbls. Ending rate 78 bpm @ 6,105psi. Placed 100% prop in formation. Avg rate: 65.7 bpm Avg psi: 7,247 psi Max rate: 80 bpm Max psi: 9107 psi Pad ISIP: 3602 psi FG: 0.84 psi/ft 5 Min. SIP: 3300 Psi Ending ISIP: 3,687 psi FG: 0.85 psi/ft Clean = 7,809 FTR= 90,193 bbls. SIF= 335,318 lbs TSIF= 3,350,632 lbs.
3/26/2014 00:45	3/26/2014 06:00	5.25	COMPL	Other operations	OTHR	Wait on Frac Ops on 3H & 5H , Due to high winds , wireline ops have been stopped , Both Crane and lubricator have been laid down as a precautionary measure . We will resume operations when wind lowers or subside

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Report #: 13 Daily Operation: 3/26/2014 06:00 - 3/27/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766		
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, x			
91	13	-22.0						

Operations Summary
 Due to high winds , wireline ops have been stopped , Both Crane and lubricator have been laid down as a precautionary measure . We will resume operations when wind lowers or subside
 Started in Hole on P & P Stg. 11 Missfire run on firing head on plug and POOH had to shut down ops due to high wind when guns on surface. stayed in Lube tied to well for security
 Pickup new Gun String and Plug & Perf Stg.11
 Start Frac stage 11

Remarks
 PPS Downtime: 0.0 hrs Cum tot: 10.0 hrs
 API 10K Lube Downtime: 0 hrs Cum tot: 0 hrs
 RSI Downtime: 0 hrs Cum tot: 0 hrs
 FDS Downtime: 0 hrs Cum tot: 0 hrs
 ARK-LA-TEX W/L: 7 hrs. Cum tot: 7 hrs.
 Weather Downtime: 14 hrs Cum tot: 14 hrs
 Well Head Issues: 0 hrs. Cum tot: 6 hrs

FTR- 91,073 bbls

RT- 0

CR- 0

TSIF: 3,350,632 LBS

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/26/2014 06:00	3/26/2014 15:30	9.5	COMPL_UNPLN D	Waiting on weather	U_WOW	Due to high winds , wireline ops have been stopped , Both Crane and lubricator have been laid down as a precautionary measure . We will resume operations when wind lowers or subside
3/26/2014 15:30	3/26/2014 20:00	4.5	COMPL_UNPLN D	Wireline equipment failure, includes WL truck, lub	U_WL	Attempted to Plug & Perf Stage #11 a couple of times without any luck. Moved up 15ft and pumped 3bpm and compared the difference from the first pump down and had the same psi. Pumped down plug 20 ft pasted it's mark and made the decision to POOH w/ live guns and baker plug #10 @ NO faster than 125 ft/min PD CLEAN FLUID: 430 BBLS FTR= 90,623 BBLS
3/26/2014 20:00	3/27/2014 00:00	4	COMPL_UNPLN D	Waiting on weather	U_WOW	Due to high winds , wireline ops have been stopped ,Guns on surface cannot come off well due to high winds Both Crane and lubricatorsecure well shut in
3/27/2014 00:00	3/27/2014 04:00	4	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU Ark-La-Tex WL for Stage #11. RIH & pump down Baker CFP & 5 each 3.125" guns. Set CFP @ 15,840' . Perforate intervals 15,809' – 811' , 15,749' – 751' , 15,689' – 691' , 15,629' – 631' & 15,569' – 571' w/ 40 shots, 4 SPF, 60*, 21.5 GR, 0.37" EHD perf guns.40 holes total. POOH. All shots fired. RD WL . Pump down @__ bpm / __ psi. Line speed __ ft/min. FTR Total: 450 Bbls LTR Total : 91,073 Bbls
3/27/2014 04:00	3/27/2014 06:00	2	COMPL	Frac	STIM	Start FRAC STG #11 of 34: Test stack to 9,500 psi. Hold 1500 psi on backside.

Report #: 14 Daily Operation: 3/27/2014 06:00 - 3/28/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766		
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig			
92	14	-22.0			PIONEER PUMPING SERVICES, x			

Operations Summary
 Frac Stages # 11,12,13
 Plug & Perf Stages 12,13,14 Stages

Remarks
 PPS Downtime: 0.0 hrs Cum tot: 10.0 hrs
 API 10K Lube Downtime: 0 hrs Cum tot: 0 hrs
 RSI Downtime: 0 hrs Cum tot: 0 hrs
 FDS Downtime: 0 hrs Cum tot: 0 hrs
 ARK-LA-TEX W/L: 0 hrs. Cum tot: 7 hrs.
 Weather Downtime: 0 hrs Cum tot: 14 hrs
 Well Head Issues: 0 hrs. Cum tot: 6 hrs

FTR- 116,121 bbls

RT- 0

CR- 0

TSIF: 4,356,695 LBS

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/27/2014 06:00	3/27/2014 06:15	0.25	COMPL	Frac	STIM	FRAC STG #11 of 34: Test stack to 9,500 psi. Hold 1500 psi on backside. PPS frac'd perfs per schedule w/ 50 bbls 15% HCL, 335,431 lbs.30/50 brown sand & 8,003 bbls of hybrid fluid down 5.5" csg. Step test: 80 @ 6,740 Psi 60 @ 5,720 Psi 40 @ 4,830 Psi 20 @ 4,150 Psi Formation broke @ 20 bpm @ 4,970 psi. Acid on form @ 30 bpm @ 5,300 psi. Acid cleared @ 60 bpm @ 5,550 psi. Increased rate to 80 bpm. Started Stage w/ 15# gel Equivalent gel loading, 10 cp.@ 60 *F Pumped 3166 bbl pad. Ramped 30/50 brown sand from 0.5 ppg to 3 ppg. Flushed well with 445 bbls. Ending rate 80 bpm @ 6281 psi. Placed 100% prop in formation. Avg rate: 69 bpm Avg psi: 7259 psi Max rate: 80 bpm Max psi: 8522 psi Pad ISIP: 3,620 psi FG: 0.85 psi/ft 5 Min.SIP: 3,390 Psi Ending ISIP: 3805 psi FG: 0.87 psi/ft LTR= 99,076 bbls. TSIF= 3,686,064 lbs.
3/27/2014 06:15	3/27/2014 09:15	3	COMPL	Other operations	OTHR	WSI Waiting on 5H & 3H Ops.
3/27/2014 09:15	3/27/2014 10:45	1.5	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU Ark-La-Tex WL for Stage #12. RIH & pump down Baker CFP & 5 each 3.125" guns. Set CFP @ 15,540'. Perforate intervals 15,509' - 511', 15,449' - 451', 15,389' - 391', 15,329' - 331' & 15,269' - 271' w/ 40 shots, 4 SPF, 60*, 21.5 GR, 0.37" EHD perf guns.40 holes total. POOH. All shots fired. RD WL . Pump down @15 bpm / 4500 psi. Line speed 321 ft/min. PD Fluid: 410 Bbls LTR Total : 99,486 Bbls

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/27/2014 10:45	3/27/2014 12:45	2	COMPL	Frac	STIM	<p>FRAC STG #12 of 34: Test stack to 9,500 psi. Hold 1500 psi on backside. PPS frac'd perfs per schedule w/ 51 bbls 15% HCL,335,385 lbs.30/50 brown sand & 7,991 bbls of Hybrid fluid down 5.5" csg.</p> <p>Step test: 80 @ 6,740 Psi 60 @ 5,720 Psi 40 @ 4,830 Psi 20 @ 4,150 Psi</p> <p>Formation broke @ 20 bpm @ 4,970 psi. Pad ISIP: 3,620 psi 5 Min.SIP: 3,390 Psi.</p> <p>Increased rate to 80 bpm. Started Stage w/ 15# gel Equivalent gel loading, 10 cp.@ 60 *F</p> <p>Avg rate: 73.5 bpm Avg psi: 7390 psi Max rate: 81.7 bpm Max psi: .9017 psi Ending ISIP: 3695 psi FG: 0.85 psi/ft</p> <p>LTR= 107,477 bbls. TSIF= 4,021,449 lbs.</p>
3/27/2014 12:45	3/27/2014 18:00	5.25	COMPL	Other operations	OTHR	wait on 3H & 5H
3/27/2014 18:00	3/27/2014 21:00	3	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	<p>RU Ark-La-Tex WL for Stage #13. RIH & pump down Baker CFP & 5 each 3.125" guns. Set CFP @ 15,240 '. Perforate intervals 15,209' - 211', 15,149' - 151', 15,089' - 091', 15,029' - 031' & 14,969' - 971' w/ 40 shots, 4 SPF, 60*, 21.5 GR, 0.37" EHD perf guns.40 holes total. POOH. All shots fired. RD WL .</p> <p>Pump down @14 bpm / 4,900 psi. Line speed 200 ft/min.</p> <p>FTR Total: 480 Bbls LTR Total : 107,957 Bbls</p>
3/27/2014 21:00	3/28/2014 01:15	4.25	COMPL	Other operations	OTHR	Wait on Frac Ops
3/28/2014 01:15	3/28/2014 03:15	2	COMPL	Frac	STIM	<p>FRAC STG # 13 of 34: Test stack to 9,500 psi. Hold 1500 psi on backside. PPS frac'd perfs per schedule w/ 25 bbls 15% HCL, 335,246 lbs.30/50 brown sand & 7749 bbls of hybrid fluid linear/X-link down 5.5" csg.</p> <p>Step test: 80 @ 6332 Psi 60 @ 5340 Psi 40 @ 4507 Psi 20 @ 3870 Psi</p> <p>Formation broke @ 18.7 bpm @ 4290 psi. Acid on form @ 30 bpm @ 4494 psi. Acid cleared @ 65 bpm @ 6441 psi.</p> <p>Increased rate to 80 bpm. Started Stage w/ 18# gel Equivalent gel loading, 12 cp.@ 62 *F Pumped 3024 bbl pad. Ramped 30/50 brown sand from 0.5 ppg to 3 ppg. Flushed well with 408 bbls. Ending rate 80 bpm @ 5991 psi. Placed 100% prop in formation.</p> <p>Avg rate: 74.3 bpm Avg psi: 6875 psi Max rate: 80 bpm Max psi: 8416 psi Pad ISIP: 3373 psi FG: 0.82 psi/ft 5 Min.SIP: 3000 Psi Ending ISIP: 3752 psi FG: 0.86 psi/ft</p> <p>LTR= 115,706 bbls. TSIF= 4,356,695 lbs.</p>

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/28/2014 03:15	3/28/2014 06:00	2.75	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU Ark-La-Tex WL for Stage #14. RIH & pump down Baker CFP & 5 each 3.125" guns. Set CFP @ 14,940'. Perforate intervals 14,909' - 911', 14,849' - 851', 14,789' - 791', 14,729' - 731' & 14,669' - 671' w/ 40 shots, 4 SPF, 60*, 21.5 GR, 0.37" EHD perf guns. 40 holes total. POOH. All shots fired. RD WL. Pump down @ 16 bpm / 5300 psi. Line speed 263 ft/min. FTR Total: 415 Bbls LTR Total: 116,121 Bbls

Report #: 15 Daily Operation: 3/28/2014 06:00 - 3/29/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days) 93	Days on Location (days) 15	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, x	

Operations Summary

Frac Stages # 14,
Plug & Perf Stages 15, Stages

Remarks

PPS Downtime: 0.0 hrs Cum tot: 10.0 hrs
API 10K Lube Downtime: 0 hrs Cum tot: 0 hrs
RSI Downtime: 0 hrs Cum tot: 0 hrs
FDS Downtime: 0 hrs Cum tot: 0 hrs
ARK-LA-TEX W/L: 0 hrs. Cum tot: 7 hrs.
Weather Downtime: 0 hrs Cum tot: 14 hrs
Well Head Issues: 0 hrs. Cum tot: 6 hrs

FTR- 124,451 bbls

RT- 0

CR- 0

TSIF: 4,693,963 LBS

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/28/2014 06:00	3/28/2014 19:30	13.5	COMPL	Other operations	OTHR	Waiting on Frac Ops.
3/28/2014 19:30	3/28/2014 21:30	2	COMPL	Frac	STIM	FRAC STG # 14 of 33: Test stack to 9,500 psi. Hold 1500 psi on backside. PPS frac'd perfs per schedule w/ 58 bbls 15% HCL, 337,268 lbs. 30/50 brown sand & 7950 bbls of hybrid fluid linear/X-link down 5.5" csg. Step test: 80 @ 6268 Psi 60 @ 5353 Psi 40 @ 4563 Psi 20 @ 3953 Psi Formation broke @ 20 bpm @ 5262 psi. Acid on form @ 40 bpm @ 6078 psi. Acid cleared @ 81 bpm @ 6452 psi. Increased rate to 80 bpm. Started Stage w/ 17# gel Equivalent gel loading, 11 cp. @ 66 *F Pumped 3181 bbl pad. Ramped 30/50 brown sand from 0.5 ppg to 3 ppg. Flushed well with 400 bbls. Ending rate 80 bpm @ 6015 psi. Placed 100% prop in formation. Avg rate: 74.4 bpm Avg psi: 6622 psi Max rate: 80.5 bpm Max psi: 7450 psi Pad ISIP: 3380 psi FG: 0.81 psi/ft 5 Min. SIP: 2945 Psi Ending ISIP: 3603 psi FG: 0.84 psi/ft LTR: 124,071 SIF: 4,693,963 lbs.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/28/2014 21:30	3/29/2014 00:00	2.5	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU Ark-La-Tex WL for Stage #15. RIH & pump down Baker CFP & 5 each 3.125" guns. Set CFP @ 14,640'. Perforate intervals 14,609' - 611', 14,549' - 551', 14,489' - 491', 14,429' - 431' & 14,365' - 367' w/ 40 shots, 4 SPF, 60*, 21.5 GR, 0.37" EHD perf guns. 40 holes total. POOH. All shots fired. RD WL. Pump down @15 bpm / 5200 psi. Line speed 254 ft/min. FTR Total: 380 Bbls LTR Total : 124,451 Bbls
3/29/2014 00:00	3/29/2014 06:00	6	COMPL	Other operations	OTHR	Waiting on Frac Ops at Report Time.

Report #: 16 Daily Operation: 3/29/2014 06:00 - 3/30/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, x	
94	16	-22.0				

Operations Summary

Frac Stages # 15, abort on 1.5 PPA
Frac Stg. 15 Complete
Plug & Perf Stages 16,
Start Stg. 16

Remarks

PPS Downtime: 12.0 hrs Cum tot: 22.0 hrs
API 10K Lube Downtime: 0 hrs Cum tot: 0 hrs
RSI Downtime: 0 hrs Cum tot: 0 hrs
FDS Downtime: 0 hrs Cum tot: 0 hrs
ARK-LA-TEX W/L: 0 hrs. Cum tot: 7 hrs.
Weather Downtime: 0 hrs Cum tot: 14 hrs
Well Head Issues: 0 hrs. Cum tot: 6 hrs

FTR- 135,310 bbls

RT- 0

CR- 0

LTR: 135,310

TSIF: 5,029,008 LBS

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/29/2014 06:00	3/29/2014 07:30	1.5	COMPL	Other operations	OTHR	Waiting on Frac Ops.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/29/2014 07:30	3/29/2014 08:30	1	COMPL	Frac	STIM	<p>First Attempt FRAC STG #15 of 34: Test stack to 9,500 psi. Hold 1500 psi on backside. PPS frac'd perms per schedule w/ 41 bbls 15% HCL, 59,596 lbs. 30/50 brown sand & 5018 bbls of Hybrid fluid down 5.5" csg.</p> <p>Formation broke @ 20 bpm @ 4636 psi.</p> <p>Step test: 80 @ 6540 Psi 60 @ 5619 Psi 40 @ 4840 Psi 20 @ 3902 Psi</p> <p>Pad ISIP: 3597 psi 5 Min.SIP: 3181 Psi.</p> <p>Increased rate to 80 bpm. Started 15# gel @ 1860 bbls into pad, Equivalent gel loading, 10 cp.@ 66 *F. Finished the stage 12 cps @ 67°F.</p> <p>LTR= 128,940 bbls. TSIF= 4,753,559 lbs.</p> <p>NOTE: @ 830 HRS, PPS had to SD 368 BBLS into 1.5 PPA due to trannie line boss opening 2 in valve before closing off at the missile when trying to come off line w/ pump and causing a wash out on the 2 in valve. TOTAL FLUID PUMPED before shutting down 4,489 BBLS W/ 59,596 lbs of 30/50 sand into formation.</p> <p>NOTE: Will make complete new tab and stage starting from Pad</p>
3/29/2014 08:30	3/29/2014 09:00	0.5	COMPL	Frac	STIM	<p>Started Displacing 1.5 PPA 30/50 @ 840 HRS w/ RSI PD, Pumping into @ 20 BPM @ a high of 6950 psi. Displaced a total of 529 BBLS of Fresh water SD @ 910 HRS..</p> <p>LTR: 129,469 Bbls.</p>
3/29/2014 09:00	3/29/2014 14:00	5	COMPL_UNPLN D	Unplanned time due to PXD pumping services`	U_PEPX D	Waiting on Management to arrive on location @ 1300 HRS and take statements and Safety Meeting with crew before touching any equipment.
3/29/2014 14:00	3/29/2014 16:00	2	PROD1	Hold job safety analysis or safety meeting	SFTY	SAFETY STAND DOWN!!!!!!
3/29/2014 16:00	3/29/2014 20:00	4	COMPL_UNPLN D	Unplanned time due to PXD pumping services`	U_PEPX D	Waiting PPS to finish working on pumps

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/29/2014 20:00	3/29/2014 21:30	1.5	COMPL	Frac	STIM	<p>SECOND FRAC STG # 15 of 34: Test stack to 9,500 psi. Hold 1500 psi on backside. PPS frac'd perms per schedule w/ 0 bbls 15% HCL, 275,449 lbs.30/50 brown sand & 5,451 bbls of hybrid fluid linear/X-link down 5.5" csg.</p> <p>Step test: 80 @ 6540 Psi 60 @ 5619 Psi 40 @ 4840 Psi 20 @ 3902 Psi</p> <p>Formation broke @ 20 bpm @ 4,636 psi. Acid on form @ 30 bpm @ 5,680 psi. Acid cleared @ 60 bpm @ 5,476 psi.</p> <p>Increased rate to 80 bpm. Started Stage w/ 15# gel Equivalent gel loading, 10 cp.@ 66 *F Pumped 1,250 bbl pad. Ramped 30/50 brown sand from 0.5 ppg to 3 ppg. Flushed well with 394 bbls. Ending rate 80 bpm @ 6,450 psi. Placed 100% prop in formation.</p> <p>Avg rate: 80 bpm Avg psi: 6,950 psi Max rate: 80 bpm Max psi: 9,130 psi Pad ISIP: 3,597 psi FG: 0.84 psi/ft 5 Min.SIP: 3,181 Psi Ending ISIP: 3,764 psi FG: 0.86 psi/ft</p> <p>LTR= 134,920 bbls. TSIF= 5,029,008 lbs.</p>
3/29/2014 21:30	3/30/2014 01:00	3.5	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	<p>RU Ark-La-Tex WL for Stage #16. RIH & pump down Baker CFP & 5 each 3.125" guns. Set CFP @ 14,340'. Perforate intervals 14,309' – 311', 14,249' – 251', 14,189' – 191', 14,129' – 131' & 14,069' – 071' w/ 40 shots, 4 SPF, 60*, 21.5 GR, 0.37" EHD perf guns. 40 holes total. POOH. All shots fired. RD WL .</p> <p>Pump down @ 15 bpm / 5,100 psi. Line speed 235 ft/min.</p> <p>FTR Total: 390 Bbls LTR Total : 135,310 Bbls</p>
3/30/2014 01:00	3/30/2014 03:30	2.5	COMPL	Other operations	OTHR	Waiting on Frac Ops.
3/30/2014 03:30	3/30/2014 06:00	2.5	COMPL	Frac	STIM	Start Stage 16 /34

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Report #: 17 Daily Operation: 3/30/2014 06:00 - 3/31/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766		
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig			
95	17	-22.0			PIONEER PUMPING SERVICES, x			

Operations Summary
Frac Stages # 16,17 and 18
Plug & Perf Stages 17,18

Remarks
PPS Downtime: 0.0 hrs Cum tot: 22.0 hrs
API 10K Lube Downtime: 0 hrs Cum tot: 0 hrs
RSI Downtime: 0 hrs Cum tot: 0 hrs
FDS Downtime: 0 hrs Cum tot: 0 hrs
ARK-LA-TEX W/L: 0 hrs. Cum tot: 7 hrs.
Weather Downtime: 4 hrs Cum tot: 18 hrs
Well Head Issues: 0 hrs. Cum tot: 6 hrs

FTR- 159,358 bbls

RT- 0

CR- 0

LTR: 159,358

TSIF: 6,038,169 LBS

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/30/2014 06:00	3/30/2014 06:30	0.5	COMPL	Frac	STIM	<p>FRAC STG # 16 of 34: Test stack to 9,500 psi. Hold 1500 psi on backside. PPS frac'd perfs per schedule w/ 39 bbls 15% HCL, 335,422 lbs.30/50 brown sand & 7,823 bbls of hybrid fluid linear/X-link down 5.5" csg.</p> <p>Step test: 80 @ 6288 Psi 60 @ 5376 Psi 40 @ 4614 Psi 20 @ 3933 Psi</p> <p>Formation broke @ 20 bpm @ 4469 psi. Acid on form @ 40 bpm @ 5600 psi. Acid cleared @ 60 bpm @ 6049 psi.</p> <p>Increased rate to 80 bpm. Started Stage w/ 15 # gel Equivalent gel loading, 10 cp.@ 63 *F Pumped 3106 bbl pad. Ramped 30/50 brown sand from 0.5 ppg to 3 ppg. Flushed well with 387 bbls. Ending rate 80 bpm @ 6366 psi. Placed 100% prop in formation.</p> <p>Avg rate: 69 bpm Avg psi: 6849 psi Max rate: 80 bpm Max psi: 7761 psi Pad ISIP: 3480 psi FG: 0.83 psi/ft 5 Min.SIP: 3091Psi Ending ISIP: 3476 psi FG: 0.83 psi/ft</p> <p>LTR= 143,133 bbls. TSIF= 5,364,430 lbs.</p>
3/30/2014 06:30	3/30/2014 08:30	2	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	<p>RU Ark-La-Tex WL for Stage #17. RIH & pump down Baker CFP & 5 each 3.125" guns. Set CFP @ 14,-044 '. Perforate intervals 14,009' - 011, 13,949' - 951', 13,889' - 891' , 13,832' - 834' & 13,769' - 771' w/ 40 shots, 4 SPF, 60*, 21.5 GR, 0.37" EHD perf guns. 40 holes total. POOH. All shots fired. RD WL .</p> <p>Pump down @ 15 bpm / 4900 psi. Line speed 275 ft/min. Line Tension 1239 / 1223 lbs.</p> <p>FTR Total: 346 Bbls LTR Total : 143,479 Bbls</p>

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/30/2014 08:30	3/30/2014 12:30	4	PROD1	OTHER	WSI	WSI Pending ops on 5H & 3H.
3/30/2014 12:30	3/30/2014 14:00	1.5	COMPL_UNPLN D	Unplanned time due to PXD pumping services`	U_PEPX D	Waiting on PPS to go thru pumps
3/30/2014 14:00	3/30/2014 16:00	2	COMPL	Frac	STIM	<p>FRAC STG #17 of 34: Test stack to 9,511 psi. Hold 1500 psi on backside. PPS frac'd perms per schedule w/ 61 bbls 15% HCL, 336,707 lbs.30/50 brown sand & 7660 bbls of Hybrid fluid down 5.5" csg.</p> <p>Formation broke @ 20 bpm @ 4366 psi.</p> <p>Step test: 80 @ 6135 Psi 60 @ 5318 Psi 40 @ 4600 Psi 20 @ 4003 Psi</p> <p>Pad ISIP: 3696 psi 5 Min.SIP: 2,900 Psi</p> <p>Increased rate to 80 bpm. Started gel w/ 16# Equivalent gel loading, 12 cp.@ 70 *F 1848 bbls into pad, Held a 12 cp @ 71°F thru all sand stages, cut XL within the first 50 bbls into flush.</p> <p>Avg rate: 79 bpm Avg psi: 7246 psi Max rate: 81 bpm Max psi: 8020 psi Ending ISIP: 3915 psi FG: 0.88 psi/ft</p> <p>LTR= 151,139 bbls. TSIF= 5,701,137 lbs.</p>
3/30/2014 16:00	3/30/2014 18:45	2.75	COMPL	Other wireline operations	WLOTHR	Waiting on ARK*LA*TEX to RIH on 3H - STG #17 before making WL RIH for STG #18
3/30/2014 18:45	3/30/2014 21:45	3	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	<p>RU Ark-La-Tex WL for Stage #18. RIH & pump down Baker CFP & 5 each 3.125" guns. Set CFP @ 13,740'. Perforate intervals 13,709' - 711', 13,649' - 651', 13,589' - 591', 13,529' - 531' & 13,469' - 471' w/ 40 shots, 4 SPF, 60*, 21.5 GR, 0.37" EHD perf guns. 40 holes total. POOH. All shots fired. RD WL .</p> <p>Pump down @15 bpm / 5300 psi. Line speed 260 ft/min.</p> <p>FTR Total: 435 Bbls LTR Total : 151,574 Bbls</p>
3/30/2014 21:45	3/31/2014 00:00	2.25	COMPL	Other operations	OTHR	Waiting on Frac Ops.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/31/2014 00:00	3/31/2014 02:00	2	COMPL	Frac	STIM	<p>FRAC STG # 18 of 34: Test stack to 9,500 psi. Hold 1500 psi on backside. PPS frac'd perfs per schedule w/ 41 bbls 15% HCL, 337,032 lbs.30/50 brown sand & 7784 bbls of Hybrid fluid down 5.5" csg.</p> <p>Step test: 80 @ 6265 Psi 60 @ 5361 Psi 40 @ 4627 Psi 20 @ 4141 Psi</p> <p>Formation broke @ 20 bpm @ 4724 psi. Acid on form @ 40 bpm @ 5707 psi. Acid cleared @ 60 bpm @ 6426 psi.</p> <p>Increased rate to 80 bpm. Started Stage w/ 15 # gel Equivalent gel loading, 10 cp.@ 65 *F Pumped 3080 bbl pad. Ramped 30/50 brown sand from 0.5 ppg to 3 ppg. Flushed well with 374 bbls. Ending rate 80 bpm @ 6240 psi. Placed 100% prop in formation.</p> <p>Avg rate: 70 bpm Avg psi: 6587 psi Max rate: 81 bpm Max psi: 7926 psi Pad ISIP: 3578 psi FG: 0.84 psi/ft 5 Min.SIP: 3351 Psi Ending ISIP: 3466 psi FG: 0.83 psi/ft</p> <p>LTR= 159,358 bbls. TSIF= 6,038,169 lbs.</p>
3/31/2014 02:00	3/31/2014 06:00	4	COMPL_UNPLN D	Waiting on weather	U_WOW	Down due to Substained winds of 25 mph. and gust of 35 mph. SWI waiting on Weather. At Report Time.

Report #: 18 Daily Operation: 3/31/2014 06:00 - 4/1/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days) 96	Days on Location (days) 18	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, x	

Operations Summary

Frac Stages # 19,20
Plug & Perf Stages 19,20,21

Remarks

PPS Downtime: 0.0 hrs Cum tot: 22.0 hrs
API 10K Lube Downtime: 0 hrs Cum tot: 0 hrs
RSI Downtime: 0 hrs Cum tot: 0 hrs
FDS Downtime: 0 hrs Cum tot: 0 hrs
ARK-LA-TEX W/L: 0 hrs. Cum tot: 7 hrs.
Weather Downtime: 0 hrs Cum tot: 18 hrs
Well Head Issues: 0 hrs. Cum tot: 6 hrs

FTR- 175,731 bbls

RT- 0

CR- 0

LTR: 175,731

TSIF: 6,709,080 LBS

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/31/2014 06:00	3/31/2014 07:00	1	COMPL_UNPLN D	Waiting on weather	U_WOW	Down due to Substained winds of 25 mph. and gust of 35 mph. SWI waiting on Weather. At Report Time.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/31/2014 07:00	3/31/2014 09:00	2	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU Ark-La-Tex WL for Stage # 19. RIH & pump down Baker CFP & 5 each 3.125" guns. Set CFP @ 13440' perforate intervals : 13169/13171 - 13229/13231 - 13289/13291 - 13349/13351 - 13409/13411' w/ 8 shots, 4 SPF, 60*, 21.5 GR, 0.42" EHD, perf guns. 40 holes total. POOH. All shots fired. RD WL; Pump down at 15 Bpm at 4700 PSI and 325 Ft/Min. Line Speed PD: 307 BBLS LTR: 159,665 BBLS
3/31/2014 09:00	3/31/2014 11:30	2.5	PROD1	OTHER	WSI	Waiting Frac Ops to be completed on #3H
3/31/2014 11:30	3/31/2014 14:00	2.5	COMPL	Frac	STIM	FRAC STG #19 of 34: Test stack to 9,200 psi. Hold 1500 psi on backside. PPS frac'd perfs per schedule w/ 53 bbls 15% HCL, 336,214 lbs.30/50 brown sand & 7638 bbls of Hybrid fluid down 5.5" csg. Formation broke @ 20 bpm @ 4663 psi. Step test: 80 @ 5988 Psi 60 @ 5188 Psi 40 @ 4484 Psi 20 @ 3905 Psi Pad ISIP: 3582 psi 5 Min.SIP: 3253 Psi Increased rate to 80 bpm. Started gel w/ 16# Equivalent gel loading, 10 cp.@ 70 *F 1869 bbls into pad, Held a 12 cp @ 71°F thru all sand stages, cut XL within the first 50 bbls into flush. Avg rate: 80 bpm Avg psi: 7064 psi Max rate: 81 bpm Max psi: 7569 psi Ending ISIP: 3586 psi FG: 0.84 psi/ft LTR=167,303 bbls. TSIF= 6,374,383 lbs.
3/31/2014 14:00	3/31/2014 16:00	2	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU Ark-La-Tex WL for Stage #20. RIH & pump down Baker CFP & 5 each 3.125" guns. Set CFP @ 13,140'. Perforate intervals : 12,869/12,871 - 12,929/12,931 - 12,989/12,991 - 13,049/13,051 - 13,109/13,111' w/ 40 shots, 4 SPF, 60*, 21.5 GR, 0.37" EHD perf guns.40 holes total. POOH. All shots fired. RD WL . Pump down @15 bpm / 4800 psi. Line speed 300 ft/min. PD Total: 275 Bbls LTR Total: 167,578 Bbls
3/31/2014 16:00	3/31/2014 21:30	5.5	COMPL	Other operations	OTHR	Waiting on Frac Ops on #5H & #3H

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/31/2014 21:30	3/31/2014 23:30	2	COMPL	Frac	STIM	<p>FRAC STG # 20 of 34: Test stack to 9,500 psi. Hold 1500 psi on backside. PPS frac'd perms per schedule w/ 44 bbls 15% HCL, 334,697 lbs.30/50 brown sand & 7,873 bbls of Hybrid fluid down 5.5" csg.</p> <p>Step test: 80 @ 6320 Psi 60 @ 5480 Psi 40 @ 4760 Psi 20 @ 4030 Psi</p> <p>Formation broke @ 20 bpm @ 4,745 psi. Acid on form @ 30 bpm @ 5,180 psi. Acid cleared @ 60 bpm @ 5,320 psi.</p> <p>Increased rate to 80 bpm. Started Stage w/ 15# gel Equivalent gel loading, 10 cp.@ 66 *F Pumped 3210 bbl pad. Ramped 30/50 brown sand from 0.5 ppg to 3 ppg. Flushed well with 351 bbls. Ending rate 80 bpm @ 7,235 psi. Placed 100% prop in formation.</p> <p>Avg rate: 80 bpm Avg psi: 6,730 psi Max rate: 80 bpm Max psi: 7,980 Psi Pad ISIP: 3,555 psi FG: 0.84 psi/ft 5 Min.SIP: 3,110 Psi Ending ISIP: 3,605 psi FG: 0.84 psi/ft</p> <p>LTR= 175,451 bbls. TSIF= 6,709,080 lbs.</p>
3/31/2014 23:30	4/1/2014 02:00	2.5	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	<p>RU Ark-La-Tex WL for Stage #21. RIH & pump down Baker CFP & 5 each 3.125" guns. Set CFP @ 12,840'. Perforate intervals 12,809' - 811', 12,749' - 751', 12,689' - 691', 12,629' - 631' & 12,569' - 571' w/ 40 shots, 4 SPF, 60*, 21.5 GR, 0.37" EHD perf guns. 40 holes total. POOH. All shots fired. RD WL.</p> <p>Pump down @ 16 bpm / 4900 psi. Line speed 265 ft/min.</p> <p>TBP: 280 Bbls</p> <p>LTR Total : 175,731 Bbls</p>
4/1/2014 02:00	4/1/2014 06:00	4	COMPL	Other operations	OTHR	Waiting on Frac Ops on #5H & #3H

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Report #: 19 Daily Operation: 4/1/2014 06:00 - 4/2/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766		
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Days From Spud (days) 97	Days on Location (days) 19	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, x
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Operations Summary
 Frac Stages # 21,22,23
 Plug & Perf Stages# 22,23,24

NOTE: Stage 22 cut short due to pressure attempted to re perf. could not get deep enough. Shot Stg.23 as per engineer with no plug between #22 & #23. Will Frac together.added 50% more than design as per instructions from engineer

Remarks
 PPS Downtime: 0.0 hrs Cum tot: 22.0 hrs
 API 10K Lube Downtime: 0 hrs Cum tot: 0 hrs
 RSI Downtime: 0 hrs Cum tot: 0 hrs
 FDS Downtime: 0 hrs Cum tot: 0 hrs
 ARK-LA-TEX W/L: 0 hrs. Cum tot: 7 hrs.
 Weather Downtime: 0 hrs Cum tot: 18 hrs
 Well Head Issues: 0 hrs. Cum tot: 6 hrs

FTR- 199,211 bbls

RT- 0

CR- 0

LTR: 199,211 bbls

TSIF: 7,565,972 LBS

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/1/2014 06:00	4/1/2014 08:00	2	COMPL	Frac	STIM	FRAC STG #21 of 34: Test stack to 9,200 psi. Hold 1500 psi on backside. PPS frac'd perfs per schedule w/ 42 bbls 15% HCL, 335,750 lbs.30/50 brown sand & 7555 bbls of Hybrid fluid down 5.5" csg. Formation broke @ 20 bpm @ 4433 psi. Step test: 80 @ 6072 Psi 60 @ 5262 Psi 40 @ 4988 Psi 20 @ 3823 Psi Pad ISIP: 3289 psi 5 Min.SIP: 2848 Psi Increased rate to 80 bpm. Started gel w/ 16# Equivalent gel loading, 9 cp.@ 66 *F 1,888 bbls into pad, Held a 11 cp @ 68°F thru all sand stages, cut XL within the first 50 bbls into flush. Avg rate: 72.4 bpm Avg psi: 6288 psi Max rate: 77.7 bpm Max psi: 7569 psi Ending ISIP: 4102 psi FG: 0.91 psi/ft LTR=183286 bbls. TSIF= 7,044,830 lbs.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/1/2014 08:00	4/1/2014 10:00	2	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU Ark-La-Tex WL for Stage #22. RIH & pump down Baker CFP & 5 each 3.125" guns. Set CFP @ 12,546'. Perforate intervals 12,509' - 511', 12,449' - 451', 12,389' - 391', 12,329' - 331' & 12,269' - 271' w/ 40 shots, 4 SPF, 60*, 21.5 GR, 0.37" EHD perf guns. 40 holes total. POOH. All shots fired. RD WL. Pump down @ 15 bpm / 4800 psi. Line speed 321 ft/min. PD: 260 Bbls FTR Total: 183,546 Bbls
4/1/2014 10:00	4/1/2014 17:15	7.25	COMPL	Other operations	OTHR	Waiting on Frac Ops on #5H & #3H
4/1/2014 17:15	4/1/2014 21:15	4	COMPL	Frac	STIM	FRAC STG #22 of 34: Test stack to 9,200 psi. Hold 1500 psi on backside. PPS frac'd perfs per schedule w/ 69 bbls 15% HCL, 8,981 lbs. 30/50 brown sand & 4,898 bbls of Hybrid fluid down 5.5" csg. Step test: 80 @ 6,275 Psi 60 @ 5,410 Psi 40 @ 4,620 Psi 20 @ 3,900 Psi Formation broke @ 20 bpm @ 4,619 psi. Acid on form @ 30 bpm @ 5,130 psi. Acid cleared @ 60 bpm @ 5,290 psi. Increased rate to 80 bpm. Started Stage w/ 17# gel Equivalent gel loading, 11 cp. @ 75 *F Pumped 3,204 bbl pad. Ramped 30/50 brown sand from 0.5 ppg. Pressured rose, cut sand, cut X-Link & gel continued to flush well and drop rate. Flushed well with 1,300 bbls. Ending rate 18 bpm @ 8,965 psi. Placed 02% prop in formation. Will Reperf zone Pad ISIP: 3,450 psi FG: 0.84 psi/ft 5 Min. SIP: 3,075 Psi LTR= 188,444 bbls. TSIF= 7,053,821 lbs.
4/1/2014 21:15	4/1/2014 22:45	1.5	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU Ark-La-Tex WL for Stage #22. REPERF RIH & pump down. 5 each 3.125" guns. Could not get through cluster #4 on existing perfs contacted engineer and decided to shoot Stage #23 and not set plug between #22 and #23 and Frac together
4/1/2014 22:45	4/2/2014 00:15	1.5	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU Ark-La-Tex WL for Stage #23. RIH & pump down 5 each 3.125" guns. Perforate intervals 12,209' - 211', 12,149' - 151', 12,089' - 091', 12,029' - 031' & 11,969' - 971' w/ 40 shots, 4 SPF, 60*, 21.5 GR, 0.37" EHD perf guns. 40 holes total. POOH. All shots fired. RD WL. Pump down @ 14 bpm / 9,200 psi. Line speed 134 ft/min. TBP: 626 Bbls LTR Total : 189,070 Bbls

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/2/2014 00:15	4/2/2014 03:00	2.75	COMPL	Frac	STIM	<p>FRAC STG # 23 of 34: Test stack to 9,500 psi. Hold 1500 psi on backside. PPS frac'd perms per schedule w/ 68 bbls 15% HCL, 512,151 lbs.30/50 brown sand & 9,929 bbls of Hybrid fluid down 5.5" csg.</p> <p>Step test: 80 @ 6,460 Psi 60 @ 5,532 Psi 40 @ 4,720 Psi 20 @ 4,060 Psi</p> <p>Formation broke @ 20 bpm @ 4,890 psi. Acid on form @ 30 bpm @ 5,250 psi. Acid cleared @ 60 bpm @ 5,380 psi.</p> <p>Increased rate to 80 bpm. Started Stage w/ 15# gel Equivalent gel loading, 10 cp.@ 68 *F Pumped 3,149 bbl pad. Ramped 30/50 brown sand from 0.5 ppg to 3 ppg. Flushed well with 340 bbls. Ending rate 78 bpm @ 6780 psi. Placed 150% prop in formation as per engineers instructions</p> <p>Avg rate: 68 bpm Avg psi: 6,890 psi Max rate: 80 bpm Max psi: 9,060 psi Pad ISIP: 3,590 psi FG: 0.84 psi/ft 5 Min.SIP: 3,235 Psi Ending ISIP: 3,177 psi FG: 0.80 psi/ft</p> <p>LTR= 198,999 bbls. TSIF= 7,565,972 lbs.</p>
4/2/2014 03:00	4/2/2014 05:00	2	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	<p>RU Ark-La-Tex WL for Stage #24. RIH & pump down Baker CFP & 5 each 3.125" guns. Set CFP @ 11,940'. Perforate intervals 11,909' - 911', 11,849' - 851', 11,789' - 791', 11,729' - 731' & 11,669' - 671' w/ 40 shots, 4 SPF, 60*, 21.5 GR, 0.37" EHD perf guns. 40 holes total. POOH. All shots fired. RD WL .</p> <p>Pump down @ 16 bpm / 4,900 psi. Line speed 267 ft/min.</p> <p>TBP: 212 Bbls</p> <p>LTR Total : 199,211 Bbls</p>
4/2/2014 05:00	4/2/2014 06:00	1	COMPL	Other operations	OTHR	Grease Frac Valves and Mud Cross

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Report #: 20 Daily Operation: 4/2/2014 06:00 - 4/3/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	
98	20	-22.0			PIONEER PUMPING SERVICES, x	

Operations Summary
 Frac Stages 24 & 25.
 Plug & Perf Stages 25 & 26.
 WSI Pending ops on 5H at report time.

Remarks
 PPS Downtime: 0 hrs Cum tot: 27.0 hrs
 API 10K Lube Downtime: 0 hrs Cum tot: 0 hrs
 RSI Downtime: 0 hrs Cum tot: 0 hrs
 FDS Downtime: 0 hrs Cum tot: 0 hrs
 ARK-LA-TEX W/L: 0 hrs. Cum tot: 7 hrs.
 Weather Downtime: 0 hrs Cum tot: 18 hrs
 Well Head Issues: 0 hrs. Cum tot: 6 hrs

FTR: 214,888 bbls

RT- 0

CR- 0

LTR: 214,888 bbls

TSIF: 8,238,531 LBS

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/2/2014 06:00	4/2/2014 12:00	6	COMPL	Other operations	OTHR	Waiting on Fracs 3H & 5H
4/2/2014 12:00	4/2/2014 14:30	2.5	COMPL	Required pump maintenance for zipper frac equipmem	ZPM	Waited on pump maintenance. Had three pumps go down during the previous stage. 2.5 hrs
4/2/2014 14:30	4/2/2014 16:30	2	COMPL	Frac	STIM	FRAC STG # 24 of 34: Test stack to 9,500 psi. Hold 1500 psi on backside. PPS frac'd perfs per schedule w/ 49 bbls 15% HCL, 335,754 lbs.30/50 brown sand & 7,443 bbls of Hybrid fluid down 5.5" csg. Step test: 80 @ 6,043 Psi 60 @ 5,249 Psi 40 @ 4,539 Psi 20 @ 3,930 Psi Formation broke @ 20 bpm @ 4,599 psi. Acid on form @ 30 bpm @ 5,465 psi. Acid cleared @ 60 bpm @ 5,966 psi. Increased rate to 80 bpm. Started Stage w/ 15# gel Equivalent gel loading, 11 cp.@ 77 *F Pumped 2,792 bbl pad. Ramped 30/50 brown sand from 0.5 ppg to 3 ppg. Flushed well with 339 bbls. Ending rate 80 bpm @ 6,777 psi. Placed 100% prop in formation Avg rate: 69 bpm Avg psi: 6,194 psi Max rate: 80 bpm Max psi: 7,206 psi Pad ISIP: 3,496 psi FG: 0.83 psi/ft 5 Min.SIP: 3,102 Psi Ending ISIP: 3,517 psi FG: 0.83 psi/ft LTR= 206,654 bbls. TSIF= 7,901,726 lbs.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/2/2014 16:30	4/2/2014 18:30	2	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	<p>RU Ark-La-Tex WL for Stage #25. RIH & pump down Baker CFP & 5 each 3.125" guns. Set CFP @ 11,640'.</p> <p>Perforate intervals 11,609' – 611, 11,549' – 551', 11,489' – 491, 11,429' – 431' & 11,369' – 371' w/ 40 shots, 4 SPF, 60*, 21.5 GR, 0.37" EHD perf guns. 40 holes total. POOH. All shots fired. RD WL .</p> <p>Pump down @ 15 bpm / 4000 psi. Line speed 280 ft/min.</p> <p>TBP: 168 Bbls LTR Total : 206,822 Bbls</p>
4/2/2014 18:30	4/3/2014 00:45	6.25	PROD1	OTHER	WSI	WSI Pending ops on 5H & 3H.
4/3/2014 00:45	4/3/2014 02:45	2	COMPL	Frac	STIM	<p>FRAC STG # 25 of 34: Test stack to 9000 psi. Hold 1500 psi on backside. PPS frac'd perfs per schedule w/ 44 bbls 15% HCL, 336,805 lbs. 30/50 brown sand & bbls of Hybrid fluid down 5.5" csg.</p> <p>Formation broke @ 20 bpm @ 4352 psi.</p> <p>Acid on form @ 30 bpm @ 4897 psi. Acid cleared @ 60 bpm @ 5139 psi.</p> <p>Step test: 80 @ 6272 Psi 60 @ 5354 Psi 40 @ 4510 Psi 20 @ 3836 Psi</p> <p>Pad ISIP: 3370 psi FG: 0.82 psi/ft 5 Min. SIP: 2899 Psi</p> <p>Increased rate to 80 bpm. Started Stage w/ 17 # gel Equivalent gel loading, 11 cp. @ 70 *F Pumped 3,184 bbl pad. Ramped 20/40 brown sand from 0.5 ppg to 3 ppg. Flushed well with 352 bbls. Ending rate 80 bpm @ 6113 psi. Placed 100% prop in formation.</p> <p>Avg rate: 71.5 bpm Avg psi: 6901 psi Max rate: 80 bpm Max psi: 8357 psi Ending ISIP: 3488 psi FG: 0.83 psi/ft</p> <p>LTR= 214,689 bbls. TSIF= 8,238,531 lbs.</p>
4/3/2014 02:45	4/3/2014 05:00	2.25	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	<p>RU Ark-La-Tex WL for Stage #26. RIH & pump down Baker CFP & 5 each 3.125" guns. Set CFP @ 11,348' . Perforate intervals 11,309' – 311, 11,249' – 251', 11,189' – 191, 11,129' – 131' & 11,069' – 071' w/ 40 shots, 4 SPF, 60*, 21.5 GR, 0.37" EHD perf guns. 40 holes total. POOH. All shots fired. RD WL .</p> <p>Pump down @ 14 bpm / 4400 psi. Line speed 280 ft/min. Line Tension 1,200 / 1,061 lbs.</p> <p>TBP: 199 Bbls LTR: 214,888 Bbls</p>
4/3/2014 05:00	4/3/2014 06:00	1	PROD1	OTHER	WSI	WSI Pending ops on 5H & 3H.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Report #: 21 Daily Operation: 4/3/2014 06:00 - 4/4/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days) 99	Days on Location (days) 21	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, x	

Operations Summary
 Frac Stages 26 & 27 of 34.
 Plug & Perf Stages 27 & 28 of 34.
 WSI Pending ops on 5H & 3H at report time.

Remarks
 PPS Downtime: 2 hrs 15 mins Cum tot: 29.15 hrs
 API 10K Lube Downtime: 0 hrs Cum tot: 0 hrs
 RSI Downtime: 0 hrs Cum tot: 0 hrs
 FDS Downtime: 0 hrs Cum tot: 0 hrs
 ARK-LA-TEX W/L: 0 hrs. Cum tot: 7 hrs.
 Weather Downtime: 0 hrs Cum tot: 18 hrs
 Well Head Issues: 0 hrs. Cum tot: 6 hrs

FTR: 230,348 bbls

RT- 0

CR- 0

LTR: 230,348 bbls

TSIF: 8,910,702 LBS

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/3/2014 06:00	4/3/2014 09:30	3.5	COMPL	Other operations	OTHR	Waited on Frac Ops on the #5H and #3H
4/3/2014 09:30	4/3/2014 11:45	2.25	COMPL	Required pump maintenance for zipper frac equipmem	ZPM	Waited on Pioneer for pump repairs and had to swap out expired 4" iron on the back of a pump and on the main line. 8 months over date. Told Pioneer to check all the iron from the well head back to the pumps for expired iron before proceeding with the job. Down time: 2 hrs 15 mins
4/3/2014 11:45	4/3/2014 13:45	2	COMPL	Frac	STIM	FRAC STG # 26 of 34: Test stack to 9000 psi. Hold 1500 psi on backside. PPS frac'd perfs per schedule w/ 75 bbls 15% HCL, 335,602 lbs. 30/50 brown sand & 7,314 bbls of Hybrid fluid down 5.5'csg. Formation broke @ 20 bpm @ 4,360 psi. Acid on form @ 30 bpm @ 5,143 psi. Acid cleared @ 60 bpm @ 7,093 psi. Step test: 80 @ 6,146 Psi 60 @ 5,246 Psi 40 @ 4,529 Psi 20 @ 3,930 Psi Pad ISIP: 3,508 psi FG: 0.83 psi/ft 5 Min. SIP: 2,784 Psi Increased rate to 80 bpm. Started Stage w/ 15 # gel Equivalent gel loading, 11 cp.@ 76 *F Pumped 2,701 bbl pad. Ramped 30/50 brown sand from 0.5 ppg to 3 ppg. Flushed well with 325 bbls. Ending rate 80 bpm @ 5,700 psi. Placed 100% prop in formation. Avg rate: 70 bpm Avg psi: 6,202 psi Max rate: 80 bpm Max psi: 7,326 psi Ending ISIP: 3,570 psi FG: 0.84 psi/ft LTR= 222,202 bbls. TSIF= 8,574,133 lbs.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/3/2014 13:45	4/3/2014 15:45	2	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	<p>RU Ark-La-Tex WL for Stage #27. RIH & pump down Baker CFP & 5 each 3.125" guns. Set CFP @ 11,040'. Perforate intervals 11,009' - 011', 10,949' - 951', 10,889' - 891', 10,829' - 831' & 10,769' - 771' w/ 40 shots, 4 SPF, 60*, 21.5 GR, 0.37" EHD perf guns. 40 holes total. POOH. All shots fired. RD WL.</p> <p>Pump down @ 14 bpm / 4,300 psi. Line speed 260 ft/min.</p> <p>TBP: 146 Bbls LTR Total : 222,348 Bbls</p>
4/3/2014 15:45	4/3/2014 20:45	5	COMPL	Other operations	OTHR	Waited on Frac Ops on the #5H and #3H
4/3/2014 20:45	4/3/2014 22:45	2	COMPL	Frac	STIM	<p>FRAC STG # 27 of 34: Test stack to 9800 psi. Hold 1500 psi on backside. PPS frac'd perfs per schedule w/ 33 bbls 15% HCL, 336,569 lbs. 30/50 brown sand & 7,835 bbls of Hybrid fluid down 5.5" csg.</p> <p>Formation broke @ 20 bpm @ 4226 psi.</p> <p>Acid on form @ 30 bpm @ 4605 psi. Acid cleared @ 60 bpm @ 5019 psi.</p> <p>Step test: 80 @ 5900 Psi 60 @ 5071 Psi 40 @ 4422 Psi 20 @ 3668 Psi</p> <p>Pad ISIP: 3467 psi FG: 0.85 psi/ft 5 Min. SIP: 3131 Psi</p> <p>Increased rate to 80 bpm. Started Stage w/ 16 # gel Equivalent gel loading, 10 cp. @ 68 *F Pumped 3,116 bbl pad. Ramped 30/50 brown sand from 0.5 ppg to 3 ppg. Flushed well with 339 bbls. Ending rate 80 bpm @ 5723 psi. Placed 100% prop in formation.</p> <p>Avg rate: 71 bpm Avg psi: 6047 psi Max rate: 80 bpm Max psi: 7094 psi Ending ISIP: 3586 psi FG: 0.84 psi/ft</p> <p>LTR= 230,183 bbls. TSIF= 8,910,702 lbs.</p>
4/3/2014 22:45	4/4/2014 00:45	2	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	<p>RU Ark-La-Tex WL for Stage #28. RIH & pump down Baker CFP & 5 each 3.125" guns. Set CFP @ 10,740'. Perforate intervals 10,711' - 713', 10,649' - 651', 10,589' - 591', 10,529' - 531' & 10,469' - 471' w/ 40 shots, 4 SPF, 60*, 21.5 GR, 0.37" EHD perf guns. 40 holes total. POOH. All shots fired. RD WL.</p> <p>Pump down @ 14 bpm / 4600 psi. Line speed 275 ft/min. Line Tension 1052 / 1037 lbs.</p> <p>TBP: 165 Bbls LTR Total : 230,348 Bbls</p>
4/4/2014 00:45	4/4/2014 06:00	5.25	PROD1	OTHER	WSI	WSI Pending ops on 5H & 3H.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Report #: 22 Daily Operation: 4/4/2014 06:00 - 4/5/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766		
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig			
100	22	-22.0			PIONEER PUMPING SERVICES, x			

Operations Summary
 Frac Stages 28 thru 30
 Plug & Perf Stages 29 & 30

Held 1500 psi on intermediate thru all stages.
 Currently RIH w/ WL Plug & Perf Stg #31 @ Report Time!

Remarks

PPS Downtime: 0 hrs Cum tot: 29.15 hrs
 API 10K Lube Downtime: 0 hrs Cum tot: 0 hrs
 RSI Downtime: 0 hrs Cum tot: 0 hrs
 FDS Downtime: 0 hrs Cum tot: 0 hrs
 ARK-LA-TEX W/L: 0 hrs. Cum tot: 7 hrs.
 Weather Downtime: 0 hrs Cum tot: 18 hrs
 Well Head Issues: 0 hrs. Cum tot: 6 hrs

FTR: 253,219 bbls

RT- 0

CR- 0

LTR: 253,219 bbls

TSIF: 9,918,872 LBS

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/4/2014 06:00	4/4/2014 08:30	2.5	COMPL	Frac	STIM	<p>FRAC STG # 28 of 34: Test stack to 9800 psi. Hold 1500 psi on backside. PPS frac'd perfs per schedule w/ 44 bbls 15% HCL, 335,173 lbs. 30/50 brown sand & 7,437 bbls of Hybrid fluid down 5.5" csg.</p> <p>Formation broke @ 20 bpm @ 4,339 psi.</p> <p>Acid on form @ 30 bpm @ 4,771 psi. Acid cleared @ 60 bpm @ 6,088 psi.</p> <p>Step test: 80 @ 6,214 Psi 60 @ 5,315 Psi 40 @ 4,554 Psi 20 @ 3,930 Psi</p> <p>Pad ISIP: 3,635 psi FG: 0.84 psi/ft 5 Min. SIP: 3,202 Psi</p> <p>Increased rate to 80 bpm. Started Stage w/ 15 # gel Equivalent gel loading, 11 cp. @ 68 *F Pumped 2,832 bbl pad. Ramped 30/50 brown sand from 0.5 ppg to 3 ppg. Flushed well with 313 bbls. Ending rate 80 bpm @ 6,400 psi. Placed 100% prop in formation.</p> <p>Avg rate: 67 bpm Avg psi: 5,895 psi Max rate: 80 bpm Max psi: 7,032 psi Ending ISIP: 3,751 psi FG: 0.86 psi/ft</p> <p>LTR= 237,785 bbls. TSIF= 9,245,875 lbs.</p> <p>Note- Lost prime on the blender after switching from acid to water due to operator error. Had to shut down to reprime pumps.</p>

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/4/2014 08:30	4/4/2014 10:30	2	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU Ark-La-Tex WL for Stage #29. RIH & pump down Baker CFP & 5 each 3.125" guns. Set CFP @ 10,440'. Perforate intervals 10,409' - 411', 10,349' - 351', 10,289' - 291', 10,229' - 231' & 10,169' - 171' w/ 40 shots, 4 SPF, 60*, 21.5 GR, 0.37" EHD perf guns. 40 holes total. POOH. All shots fired. RD WL. Pump down @ 14 bpm / 4,400 psi. Line speed 260 ft/min. TBP: 109 Bbls LTR Total : 237,894 Bbls
4/4/2014 10:30	4/4/2014 18:30	8	COMPL	Other operations	OTHR	Waited on Frac Ops on the #5H and #3H
4/4/2014 18:30	4/4/2014 20:30	2	COMPL	Frac	STIM	FRAC STG # 29 of 34: Test stack to 9400 psi. Hold 1500 psi on backside. PPS frac'd perfs per schedule w/ 75 bbls 15% HCL, 336,637 lbs. 30/50 brown sand & 7,633 bbls of Hybrid fluid down 5.5" csg. Formation broke @ 20 bpm @ 4388 psi. Acid on form @ 30 bpm @ 4930 psi. Acid cleared @ 60 bpm @ 5379 psi. Step test: 80 @ 6130 Psi 60 @ 5350 Psi 40 @ 4661 Psi 20 @ 4064 Psi Pad ISIP: 3645 psi FG: 0.85 psi/ft 5 Min. SIP: 3325 Psi Increased rate to 80 bpm. Started Stage w/ 16 # gel Equivalent gel loading, 10 cp. @ 71 *F Pumped 2,990 bbl pad. Ramped 30/50 brown sand from 0.5 ppg to 3 ppg. Flushed well with 325 bbls. Ending rate 80 bpm @ 5745 psi. Placed 100% prop in formation. Avg rate: 69 bpm Avg psi: 6151 psi Max rate: 80 bpm Max psi: 7677 psi Ending ISIP: 3599 psi FG: 0.84 psi/ft LTR= 245,527 bbls. TSIF= 9,582,512 lbs.
4/4/2014 20:30	4/4/2014 22:30	2	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU Ark-La-Tex WL for Stage #30. RIH & pump down Baker CFP & 5 each 3.125" guns. Set CFP @ 10,142'. Perforate intervals 10,109' - 111', 10,049' - 051', 9,989' - 991', 9,929' - 9,931' & 9,869' - 871' w/ 40 shots, 4 SPF, 60*, 21.5 GR, 0.37" EHD perf guns. 40 holes total. POOH. All shots fired. RD WL. Pump down @ 14 bpm / 4400 psi. Line speed 260 ft/min. Line Tension 1,106 / 1,020 lbs. TBP: 113 Bbls LTR Total : 245,640 Bbls
4/4/2014 22:30	4/5/2014 03:00	4.5	PROD1	OTHER	WSI	WSI Pending ops on the #5H and #3H

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/5/2014 03:00	4/5/2014 05:30	2.5	COMPL	Frac	STIM	<p>FRAC STG # 30 of 34: Test stack to 9400 psi. Hold 1500 psi on backside. PPS frac'd perms per schedule w/ 47 bbls 15% HCL, 336,360 lbs. 30/50 brown sand & 7579 bbls of Hybrid fluid down 5.5" csg.</p> <p>Formation broke @ 20 bpm @ 4142 psi.</p> <p>Step test: 80 @ 5874 Psi 60 @ 5077 Psi 40 @ 4412 Psi 20 @ 3908 Psi</p> <p>Pad ISIP: 3593 psi 5 Min. SIP: 3098 Psi</p> <p>Increased rate to 80 bpm. Started gel w/ 15 # 1825 BBLS inot pad. gel Equivalent gel loading, 11 cp. @ 64 *F . Ramped 30/50 brown sand from 0.5 ppg to 3 ppg. Flushed well with 294 bbls Placed 100% prop in formation.</p> <p>Avg rate: 70.7 bpm Avg psi: 5969 psi Max rate: 80 bpm Max psi: 7995 psi ISIP: 3783 psi FG: 0.86 psi/ft</p> <p>LTR= 253,219 bbls. TSIF= 9,918,872 lbs.</p> <p>Had to SD during pad stage 1800 bbls into pad due to software freezing up. Rebooted computers and started stage right where we left off.</p>
4/5/2014 05:30	4/5/2014 06:00	0.5	COMPL	Other operations	OTHR	Currently RIH w/ WL Plug & Perf Stg #31 @ Report Time!

Report #: 23 Daily Operation: 4/5/2014 06:00 - 4/6/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766	
Days From Spud (days) 101	Days on Location (days) 23	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, x		

Operations Summary

Frac Stages 31 thru 32
Plug & Perf Stages 31 & 32

Held 1500 psi on intermediate thru all stages.
Currently Waiting on WL to finish up on #3H @ report time!

Remarks

PPS Downtime: 0 hrs Cum tot: 29.15 hrs
API 10K Lube Downtime: 0 hrs Cum tot: 0 hrs
RSI Downtime: 0 hrs Cum tot: 0 hrs
FDS Downtime: 0 hrs Cum tot: 0 hrs
ARK-LA-TEX W/L: 0 hrs. Cum tot: 7 hrs.
Weather Downtime: 0 hrs Cum tot: 18 hrs
Well Head Issues: 0 hrs. Cum tot: 6 hrs

FTR: 267,941 bbls

RT- 0

CR- 0

LTR: 267,941 bbls

TSIF: 10,590,395 LBS

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/5/2014 06:00	4/5/2014 07:00	1	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU Ark-La-Tex WL for Stage #31. RIH & pump down Baker CFP & 5 each 3.125" guns. Set CFP @ 9,840'. Perforate intervals 9,809' – 811', 9,749' – 751', 9,689' – 691', 9,629' – 631' & 9,569' – 571' w/ 40 shots, 4 SPF, 60*, 21.5 GR, 0.37" EHD perf guns.40 holes total. POOH. All shots fired. RD WL . Pump down @12 bpm / 4,200 psi. Line speed 264 ft/min. TBP: 73 Bbls LTR Total : 253,292 Bbls
4/5/2014 07:00	4/5/2014 11:15	4.25	COMPL	Other operations	OTHR	WSI, Waited on Frac Ops on the #5H and #3H
4/5/2014 11:15	4/5/2014 13:15	2	COMPL	Frac	STIM	FRAC STG # 31 of 34: Test stack to 9400 psi. Hold 1500 psi on backside. PPS frac'd perfs per schedule w/ 44 bbls 15% HCL, 335,465 lbs. 30/50 brown sand & 7,289 bbls of Hybrid fluid down 5.5" csg. Formation broke @ 20 bpm @ 4,198 psi. Step test: 80 @ 5,924 Psi 60 @ 5,065 Psi 40 @ 4,436 Psi 20 @ 3,887 Psi Pad ISIP: 3,430 psi 5 Min. SIP: 3,076 Psi Increased rate to 80 bpm. Started gel w/ 15 # 1800 BBLS inot pad. gel Equivalent gel loading, 11 cp.@ 64 *F . Ramped 30/50 brown sand from 0.5 ppg to 3 ppg. Flushed well with 313 bbls Placed 100% prop in formation. Avg rate: 68 bpm Avg psi: 5787 psi Max rate: 80 bpm Max psi: 6847 psi ISIP:3659 psi FG: 0.85 psi/ft LTR= 260,581 bbls. TSIF= 10,254,337 lbs.
4/5/2014 13:15	4/5/2014 14:15	1	COMPL	Other operations	OTHR	Waiting on WL operations on 3H.
4/5/2014 14:15	4/5/2014 15:30	1.25	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU Ark-La-Tex WL for Stage #32. RIH & pump down Baker CFP & 5 each 3.125" guns. Set CFP @ 9,538'. Perforate intervals 9,509' – 511', 9,449' – 451', 9,389' – 391', 9,329' – 331' & 9,269' – 271' w/ 40 shots, 4 SPF, 60*, 21.5 GR, 0.37" EHD perf guns.40 holes total. POOH. All shots fired. RD WL . Pump down @ 12 bpm / 4,000 psi. Line speed 260 ft/min. TBP: 60 Bbls LTR Total : 260,641 Bbls
4/5/2014 15:30	4/6/2014 02:30	11	COMPL	Other operations	OTHR	WSI, Waited on Frac Ops on the #5H and #3H

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/6/2014 02:30	4/6/2014 04:30	2	COMPL	Frac	STIM	<p>FRAC STG # 32 of 34: Test stack to 9400 psi. Hold 1500 psi on backside. PPS frac'd perms per schedule w/ 44 bbls 15% HCL. 336,058 lbs. 30/50 brown sand & 7,300 bbls of Hybrid fluid down 5.5" csg.</p> <p>Formation broke @ 20 bpm @ 4565 psi.</p> <p>Step test: 80 @ 5,963 Psi 60 @ 5,230 Psi 40 @ 4,583 Psi 20 @ 4,059 Psi</p> <p>Pad ISIP: 3,684 psi 5 Min. SIP: 2,864 Psi</p> <p>Increased rate to 80 bpm. Started gel w/ 15 # 1800 BBLS inot pad. gel Equivalent gel loading, 11 cp. @ 64 *F . Ramped 30/50 brown sand from 0.5 ppg to 3 ppg. Flushed well with 281 bbls Placed 100% prop in formation.</p> <p>Avg rate: 69.9 bpm Avg psi: 6110 psi Max rate: 80 bpm Max psi: 7401 psi ISIP: 3422 psi FG: 0.82 psi/ft</p> <p>LTR= 267,941 bbls. TSIF= 10,590,395 lbs.</p>
4/6/2014 04:30	4/6/2014 06:00	1.5	COMPL	Other operations	OTHR	Currently Waiting on WL to finish up on #3H @ report time!

Report #: 24 Daily Operation: 4/6/2014 06:00 - 4/7/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	
102	24	-22.0			PIONEER PUMPING SERVICES, x	

Operations Summary

Plug & Perf Stages 33 & 34 of 34.
Frac Stages 33 & 34 of 34.
Set Kill plug @ 8,550' WLM.
Negative test Kill plug, good test.
RDMOL Ark-La-Tex & support equipment.
Start RD PPS frac equipment.
WSI SICP 0 Psi.

Remarks

PPS Downtime: 0 hrs Cum tot: 29.15 hrs
API 10K Lube Downtime: 0 hrs Cum tot: 0 hrs
RSI Downtime: 0 hrs Cum tot: 0 hrs
FDS Downtime: 0 hrs Cum tot: 0 hrs
ARK-LA-TEX W/L: 0 hrs. Cum tot: 7 hrs.
Weather Downtime: 0 hrs Cum tot: 18 hrs
Well Head Issues: 0 hrs. Cum tot: 6 hrs

FTR: 283,048 bbls

RT- 0

CR- 0

LTR: 283,048 bbls

TSIF: 11,296,040 LBS

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/6/2014 06:00	4/6/2014 06:30	0.5	COMPL	Other operations	OTHR	Waiting on WL ops on 3H.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/6/2014 06:30	4/6/2014 08:00	1.5	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	<p>RU Ark-La-Tex WL for Stage #33. RIH & pump down Baker CFP & 5 each 3.125" guns. Set CFP @ 9,240'. Perforate intervals 9,209' – 9,211, 9,149' – 9,151', 9,089' – 9,091, 9,029' – 9,031' & 8,969' – 8,971' w/ 40 shots, 4 SPF, 60*, 21.5 GR, 0.37" EHD perf guns.40 holes total. POOH. All shots fired. RD WL .</p> <p>Pump down @12 bpm / 3,800 psi. Line speed 260 ft/min.</p> <p>TBP: 46 Bbls LTR Total : 267,987 Bbls</p>
4/6/2014 08:00	4/6/2014 13:30	5.5	COMPL	Other operations	OTHR	Waiting on Frac ops and FMC to grease the frac valves.
4/6/2014 13:30	4/6/2014 15:30	2	COMPL	Frac	STIM	<p>FRAC STG # 33 of 34: Test stack to 9400 psi. Hold 1500 psi on backside. PPS frac'd perfs per schedule w/ 78 bbls 15% HCL, 335,684 lbs. 30/50 brown sand & 7,362 bbls of Hybrid fluid down 5.5" csg.</p> <p>Formation broke @ 20 bpm @ 4,661 psi.</p> <p>Step test: 80 @ 5,772 Psi 60 @ 5,033 Psi 40 @ 4,417 Psi 20 @ 3,884 Psi</p> <p>Pad ISIP: 3,482 psi 5 Min. SIP: 2,868 Psi</p> <p>Increased rate to 80 bpm. Started gel w/ 15 # 1800 BBLS inot pad. gel Equivalent gel loading, 11 cp.@ 67 *F . Ramped 30/50 brown sand from 0.5 ppg to 3 ppg. Flushed well with 281 bbls Placed 100% prop in formation.</p> <p>Avg rate: 73 bpm Avg psi: 5,789 psi Max rate: 80 bpm Max psi: 6,537 psi ISIP:3,605 psi FG: 0.84 psi/ft</p> <p>LTR= 275,349 bbls. TSIF= 10,925,579 lbs.</p> <p>Note- Gel pumps were fluctuating while on auto. Still maintained an 11 visc throughout the stage.</p>
4/6/2014 15:30	4/6/2014 17:30	2	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	<p>RU Ark-La-Tex WL for Stage #34. RIH & pump down Baker CFP & 5 each 3.125" guns. Set CFP @ 8,940'. Perforate intervals 8,909' – 911, 8,849' – 851', 8,789' – 791, 8,729' – 731' & 8,669' – 671' w/ 40 shots, 4 SPF, 60*, 21.5 GR, 0.37" EHD perf guns.40 holes total. POOH. All shots fired. RD WL .</p> <p>Pump down @12 bpm / 3,800psi. Line speed 266 ft/min.</p> <p>TBP: 31 Bbls LTR Total : 275,380 Bbls</p>
4/6/2014 17:30	4/6/2014 22:00	4.5	PROD1	OTHER	WSI	WSI Pending ops on 5H & 3H.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/6/2014 22:00	4/7/2014 00:15	2.25	COMPL	Frac	STIM	<p>FRAC STG # 34 of 34: Test stack to 9400 psi. Hold 1500 psi on backside. PPS frac'd perms per schedule w/ 61 bbls 15% HCL. 370,461 lbs. 30/50 brown sand & 7,668 bbls of Hybrid fluid down 5.5" csg.</p> <p>Formation broke @ 20 bpm @ 4819 psi.</p> <p>Step test: 80 @ 5845 Psi 60 @ 5014 Psi 40 @ 4337 Psi 20 @ 3770 Psi</p> <p>Pad ISIP: 3559 psi Pad FG: .69 5 Min. SIP: 2957 Psi</p> <p>Increased rate to 80 bpm. Started gel w/ 15 # 1800 BBLS inot pad. gel Equivalent gel loading, 10 cp. @ 62 *F . Ramped 30/50 brown sand from 0.5 ppg to 3 ppg. Flushed well with 293 bbls Placed 100% prop in formation.</p> <p>Avg rate: 69 bpm Avg psi: 5771 psi Max rate: 80 bpm Max psi: 7370 psi ISIP: 3328 psi FG: 0.69 psi/ft</p> <p>LTR= 283,048 bbls. TSIF= 11,296,040 lbs.</p>
4/7/2014 00:15	4/7/2014 03:00	2.75	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	<p>RU Ark-La-Tex WL, RIH w/ Baker Kill plug. Set kill plug @ 8,550'. Negative test kill plug to 0 psi, good test. POOH RDMOL Ark-La-Tex WL and Support equipment.</p> <p>NOTES: Set kill plug w/ 2700 psi, below plug.</p>
4/7/2014 03:00	4/7/2014 06:00	3	PROD1	OTHER	WSI	WSI SICP 0 Psi, Waiting on drillout.

Report #: 25 Daily Operation: 4/7/2014 06:00 - 4/8/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days) 103	Days on Location (days) 25	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig COIL TUBING SOLUTIONS, #	

Operations Summary

ND 10K Goat head.
ReSpot frac tanks.
MIRU CTU & Support equipment.
Spot SandX & Super Loop.
RU RPS Flow-back iron & manifolds.
WSI SICP 0 psi.

Remarks

CTS: 0 hrs Cum tot: 0 hrs
RPS: Downtime: 0 hrs Cum tot: 0 hrs
VOYAGER: 0 hrs. Cum tot: 0 hrs
EXCLUSIVE: 0 hrs Cum tot: 0 hrs
Well Head Issues: 0 hrs. Cum tot: 0 hrs

FTR: 283,048 bbls.

RT- 0

CR- 0

LTR: 283,048 bbls.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/7/2014 06:00	4/7/2014 09:00	3	COMPL	Other operations	OTHR	WH SI Secure. Waiting for CTS CT to AOL.
4/7/2014 09:00	4/7/2014 10:00	1	COMPL	ND, NU, Testing, Sleeve Installation, Greasing Wel	WLHEAD	ND top 10k Master valve and goathead.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/7/2014 10:00	4/7/2014 16:30	6.5	COMPL	Other operations	OTHR	WH SI Secure. Waiting for CTS CT to AOL.
4/7/2014 16:30	4/8/2014 06:00	13.5	COMPL	RURD any equipment: WL, EL, CT, etc.	RURD	PJSM, MIRU CTS CTU. RPS FB iron, Spot frac tanks & SandX & super loop. Continue RU at report time.

Report #: 26 Daily Operation: 4/8/2014 06:00 - 4/9/2014 06:00

Job Category ORIG COMPLETION	Primary Job Type OCM	AFE Number 028766
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Days From Spud (days) 104	Days on Location (days) 26	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig COIL TUBING SOLUTIONS, #
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Operations Summary

RU CTS 2 3/8" CTU.
 MU Oil States BHA
 Function test BOP
 Test motor w/ 3 Bpm @ 1300 psi.
 Psi Test lubricator, WH, FB manifold to 1000 psi & 6,500
 RIH to tag & drill out Kill plug,
 Drilled CFP's 34 & 33, tag 32.
 Short trip to vertical @ 7,500'.
 Drilled CFP's 32, 31 & 30, tag 29.
 Short trip to vertical @ 7,550'.
 Drilled CFP's 29, 28 & 27, tag 26.
 Short tripping to vertical at 7,600' report time.

Remarks

CTS: 0 hrs Cum tot: 0 hrs
 RPS: Downtime: 0 hrs Cum tot: 0 hrs
 VOYAGER: 0 hrs. Cum tot. 0 hrs.
 EXCLUSIVE: 0 hrs Cum tot: 0 hrs
 Well Head Issues: 0 hrs. Cum tot: 0 hrs

FTR: 283,048 bbls.

RT- 422

CR- 422

LTR: 282,626 bbls.

NOTES:

Roll off boxes on location: on location
 Full: 0 Boxes Unit numbers: none
 Empty: 2 Boxes Unit numbers: 274660/274313
 In use: 1 box Unit number: 25475

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/8/2014 06:00	4/8/2014 06:30	0.5	COMPL	Other operations	OTHR	WH SI Secure. SICP=0 psi Safety Meeting (RU)
4/8/2014 06:30	4/8/2014 07:30	1	COMPL	Other operations	OTHR	RU CTS 2 3/8" CTU w/ Oil States BHA, RPS Fb, Exclusive energy mixing plant, and support equipment.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/8/2014 07:30	4/8/2014 09:30	2	COMPL	Other operations	OTHR	<p>RU CTU, Pull test Coil connector to 30k, MU BHA, function test BOP, test motor 2 bpm @ 1,300 psi. PSI test lubricator & flowback manifold to 1,000 psi. & 6,500 psi.</p> <p>Had leak on Plug catcher. Bled lines off fixed leak & re-attempted psi test to 6,500 psi.</p> <p>MU downhole BHA as follows:</p> <p>Coil Connector: O.D.:2.88" Length:0.84' Dual BPV: O.D. : 2.88" Length: 1.21' Bi-Dir Hyd. Jar: O.D.: 2.88" Length: 5.40' Hyd. Disconnect: O.D. :2.88" Length: 2.13' Tempress Screen: O.D.:2.88" Length:2.70' Tempress Hydropull: OD: 2.88" Length: 2.70' SRT Motor: O.D.: 2.87" Length: 10.91' Crossover: O.D. : 3.75" Length: 0.68' JZ Rock bit: O.D. 4.625" Length: 0.50'</p> <p>Total tool length: 27.07'</p>
4/8/2014 09:30	4/8/2014 10:00	0.5	COMPL	Other operations	OTHR	Safety Meeting (RIH, Job assignments, communication)
4/8/2014 10:00	4/8/2014 15:15	5.25	COMPL	Milling plugs	MILL	RIH to KOP sanded off panic line on manifold unable to go through superloop due to flare stack line not complete. Depth 8,100' Pumping 0.70 bpm 1300psi circulating while waiting for flare stack being RU.
4/8/2014 15:15	4/8/2014 16:00	0.75	COMPL	Milling plugs	MILL	RIH to tag and drill out Kill plug @ 8,537' CTM in 28 mins / pumping in at 2.5 bpm @ 3,500 psi with a return of 2.5 bpm @ 2,000 psi. Send 10 bbl sweep.
4/8/2014 16:00	4/8/2014 16:30	0.5	COMPL	Milling plugs	MILL	Wash down tag and drill out CFP #34 @ 8,929' CTM in 7 min.s / pumping in at 2.5 bpm @ 3,800 psi with a return of 2.5 bpm @ 2,000 psi. Send 10 bbl sweep.
4/8/2014 16:30	4/8/2014 17:15	0.75	COMPL	Milling plugs	MILL	Wash down tag and drill out CFP #33 @ 9,223' CTM in 20 mins / pumping in at 2.5 bpm @ 3,700 psi with a return of 2.5 bpm @ 2,000 psi. Send 10 bbl sweep.
4/8/2014 17:15	4/8/2014 18:15	1	COMPL	Milling plugs	MILL	Wash down tag CFP #32 @ 9,522' CTM. Pump 10 bbl sweep to prepare for ST.
4/8/2014 18:15	4/8/2014 20:00	1.75	COMPL	Milling plugs	MILL	Short trip to vertical @ 7,500', circulate wellbore clean before RIH.
4/8/2014 20:00	4/8/2014 20:30	0.5	COMPL	Milling plugs	MILL	RIH tag and drill out CFP #32 @ 9,221' CTM. Drilled plug in 22 mins / pumping in at 2.5 bpm @ 3,800 psi with a return of 3.1 bpm @ 1850 psi. Send 10 bbl sweep.
4/8/2014 20:30	4/8/2014 21:45	1.25	COMPL	Milling plugs	MILL	Wash down tag and drill out CFP #31 @ 9,819' CTM. Drilled plug in 53 mins / pumping in at 2.5 bpm @ 3,600 psi with a return of 3.1 bpm @ 1900 psi. Send 10 bbl sweep.
4/8/2014 21:45	4/8/2014 23:00	1.25	COMPL	Milling plugs	MILL	Wash down tag and drill out CFP #30 @ 10,119' CTM. Drilled plug in 32 mins / pumping in at 2.5 bpm @ 3,700 psi with a return of 3.1 bpm @ 1850 psi. Send 10 bbl sweep. Wash down & tagged CFP #29 @ 10,412'. Prep for short trip to vertical.
4/8/2014 23:00	4/9/2014 02:15	3.25	COMPL	Milling plugs	MILL	Short trip to vertical @ 7,550', circulate wellbore clean before RIH.
4/9/2014 02:15	4/9/2014 02:30	0.25	COMPL	Milling plugs	MILL	RIH tag and drill out CFP #29 @ 10,417' CTM. Increase pump rate to 3 bpm. Drilled plug in 15 mins / pumping in at 3.0 bpm @ 4,400 psi with a return of 3.5 bpm @ 1900 psi. Send 10 bbl sweep.
4/9/2014 02:30	4/9/2014 03:00	0.5	COMPL	Milling plugs	MILL	Wash down tag and drill out CFP 28 @ 10,710' CTM. Drilled plug in 25 mins / pumping in at 3.0 bpm @ 4,500 psi with a return of 3.5 bpm @ 1750 psi on 24/64 choke. Send 10 bbl sweep.

Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/9/2014 03:00	4/9/2014 03:45	0.75	COMPL	Milling plugs	MILL	Wash down tag and drill out CFP 27 @ 11,015' CTM. Drilled plug in 20 mins / pumping in at 3.0 bpm @ 4,400 psi with a return of 3.5 bpm @ 1800 psi on 24/64 choke. Send 10 bbl sweep. Wash down & tagged CFP #26 @ 11,320. Prep for short trip to vertical.
4/9/2014 03:45	4/9/2014 06:00	2.25	COMPL	Milling plugs	MILL	Short tripping to vertical @ 7,600' at report time.

Report #: 27 Daily Operation: 4/9/2014 06:00 - 4/10/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days) 105	Days on Location (days) 27	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig COIL TUBING SOLUTIONS, #	

Operations Summary
 Circulate wellbore @ 7,558'
 PJSM w/all personell.
 RIH & drill CFP's # 26 thru 24 of 34, Tag #22 (CFP #23 not set)
 Short trip from 12,512' to 7,650'
 RIH & drill CFP's #22 thru 20 of 34, Tag #19. Pump sweep.
 Short trip from 13,406' to 7,700'
 RIH & drill CFP's #19 thru 17 of 34, Tag #16. Pump sweep.
 TOH to 7700' Pump 10 bbl Sweep. Circulate clean.
 POOH
 RDMO CTS CTU.

Remarks
 CTS: 0 hrs Cum tot: 0 hrs
 RPS: Downtime: 0 hrs Cum tot: 0 hrs
 VOYAGER: 0 hrs. Cum tot. 0 hrs.
 EXCLUSIVE: 0 hrs Cum tot: 0 hrs
 Well Head Issues: 0 hrs. Cum tot: 0 hrs

FTR: 283,048 bbls.

RT- 153

CR- 575

LTR: 282,473 bbls.

NOTES:
 Roll off boxes on location

Full: # 25475 (3/4 full)
 Sand box in use: # 274660
 Empty # 274313 on stand-by

Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/9/2014 06:00	4/9/2014 06:30	0.5	COMPL	Milling plugs	MILL	Circulate wellbore @ 7,558' Pumping 3 bpm/4,500 psi, returning 3.5 bpm/1,900 psi.
4/9/2014 06:30	4/9/2014 07:30	1	COMPL	Milling plugs	MILL	RIH to re-tag CFP #26 Pumping 3 bpm/4,600, returning 3.5 bpm 1,900 psi. Tag @ 11,317' PJSM w/all @ 06:45
4/9/2014 07:30	4/9/2014 09:45	2.25	COMPL	Milling plugs	MILL	TIH drill CFP's #26 thru #24, No CFP #23. Avg. drill time 12 mins. Pump dyed 10 bbl. sweep after each gone. Pumping 3 bpm/4,600 psi , returning 3.5 bpm/1,950 psi. chk 23/64, w/lite sand. Tag CFP# 22 @ 12,512 ' Pump dyed sweep after drilling each.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/9/2014 09:45	4/9/2014 13:15	3.5	COMPL	Milling plugs	MILL	Pump sweep clear coil & short trip from 12,512' to 7,650' Pumping 3 bpm/4,500 psi, returning 3.6 bpm/ 1,800 psi, w/lite to moderate sand on 23/64 chk. Pump heel sweep & circulate clean.
4/9/2014 13:15	4/9/2014 16:30	3.25	COMPL	Milling plugs	MILL	TIH drill CFP's #22 thru #20, Avg. drill time 10 mins. Pump dyed 10 bbl. sweep after each gone. Pumping 3 bpm/4,600 psi, returning 3.5 bpm/1,950 psi. chk 23/64, w/lite sand. Tag CFP# 19 @ 13,406' Pump dyed sweep after drilling each.
4/9/2014 16:30	4/9/2014 20:15	3.75	COMPL	Milling plugs	MILL	Pump sweep clear coil & short trip from 13,406' to 7,700' Pumping 3 bpm/4,100 psi, returning 3.6 bpm/ 1,800 psi, w/ light to moderate sand on 23/64 chk. Pump heel sweep & circulate clean.
4/9/2014 20:15	4/9/2014 21:30	1.25	COMPL	Milling plugs	MILL	Wash down tag and drill out CFP #19 @ 13,406' CTM in 9 min / pumping in at 3.0 bpm @ 4,000 psi with a return of 3.6 bpm @ 1,800 psi. Send 10 bbl sweep.
4/9/2014 21:30	4/9/2014 22:00	0.5	COMPL	Milling plugs	MILL	Wash down tag and drill out CFP #18 @ 13,702' CTM in 14 min / pumping in at 3.0 bpm @ 3,900 psi with a return of 3.6 bpm @ 1,800 psi. Send 10 bbl sweep.
4/9/2014 22:00	4/9/2014 23:15	1.25	COMPL	Milling plugs	MILL	Wash down tag and drill out CFP #17 @ 14,010' CTM in 17 min / pumping in at 3.0 bpm @ 3,900 psi with a return of 3.6 bpm @ 1,800 psi. Send 10 bbl sweep. Tag CFP# 16 @ 14,308' Pump dyed sweep after drilling each.
4/9/2014 23:15	4/10/2014 04:15	5	COMPL	Milling plugs	MILL	TOH to 7,700. Pump 10 bbl sweep. Light to Moderate sand. Circulate Wellbore Clean. POOH.
4/10/2014 04:15	4/10/2014 06:00	1.75	MOBILIZATION	RDMO	RDMO	RDMO CTS CT & support equipment to the 3H. SICP=1900 psi.

Report #: 28 Daily Operation: 4/10/2014 06:00 - 4/11/2014 06:00

Job Category ORIG COMPLETION		Primary Job Type OCM			AFE Number 028766
Days From Spud (days) 106	Days on Location (days) 27	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig

Operations Summary

WSI

Remarks

CTS: 0 hrs Cum tot: 0 hrs
RPS: Downtime: 0 hrs Cum tot: 0 hrs
VOYAGER: 0 hrs. Cum tot. 0 hrs.
EXCLUSIVE: 0 hrs Cum tot: 0 hrs
Well Head Issues: 0 hrs. Cum tot: 0 hrs

FTR: 283,048 bbls.

RT- 153

CR- 575

LTR: 282,473 bbls.

NOTES:

Roll off boxes on location

Full: # 25475 (3/4 full)
Sand box in use: # 274660
Empty # 274313 on stand-by

Time Log Summary

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

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Report #: 29 Daily Operation: 4/11/2014 06:00 - 4/12/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days) 107	Days on Location (days) 28	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	

Operations Summary
 WSI
 MIRU Arklatex WL & crane unit
 RIH w/ 5-1/2" composite bridge plug.
 Got on depth & set kill plug @ 8550'
 POH w/ setting tool.
 RDMO WL Unit

Remarks
 CTS: 0 hrs Cum tot: 0 hrs
 RPS: Downtime: 0 hrs Cum tot: 0 hrs
 VOYAGER: 0 hrs. Cum tot: 0 hrs.
 EXCLUSIVE: 0 hrs Cum tot: 0 hrs
 Well Head Issues: 0 hrs. Cum tot: 0 hrs

FTR: 283,048 bbls.

RT- 0

CR- 575

LTR: 282,473 bbls.

NOTES:
 Roll off boxes on location

Full: # 25475 (3/4 full)
 Sand box in use: # 274660
 Empty # 274313 on stand-by

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/11/2014 06:00	4/11/2014 09:00	3	PROD1	OTHER	WSI	WSI no activity
4/11/2014 09:00	4/11/2014 10:00	1	PROD1	WORK	RURD	MIRU Arklatex WL unit & crane
4/11/2014 10:00	4/11/2014 11:15	1.25	PROD1	WORK	WLOTHER	RIH w/ 5-1/2" CBP. Got on depth w/ short jt. Set kill plug @ 8550'. POH w/ setting tool.
4/11/2014 11:15	4/12/2014 06:00	18.7 5	PROD1	OTHER	WSI	WSI. No activity

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Report #: 30 Daily Operation: 4/12/2014 06:00 - 4/13/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days) 108	Days on Location (days) 29	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

WSI

Remarks

CTS: 0 hrs Cum tot: 0 hrs
 RPS: Downtime: 0 hrs Cum tot: 0 hrs
 VOYAGER: 0 hrs. Cum tot. 0 hrs.
 EXCLUSIVE: 0 hrs Cum tot: 0 hrs
 Well Head Issues: 0 hrs. Cum tot: 0 hrs

FTR: 283,048 bbls.

RT- 0

CR- 575

LTR: 282,473 bbls.

NOTES:

Roll off boxes on location

Full: # 25475 (3/4 full)
 Sand box in use: # 274660
 Empty # 274313 on stand-by

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/12/2014 06:00	4/13/2014 06:00	24	PROD1	OTHER	WSI	WSI

Report #: 31 Daily Operation: 4/13/2014 06:00 - 4/14/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days) 109	Days on Location (days) 30	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

WSI

Remarks

CTS: 0 hrs Cum tot: 0 hrs
 RPS: Downtime: 0 hrs Cum tot: 0 hrs
 VOYAGER: 0 hrs. Cum tot. 0 hrs.
 EXCLUSIVE: 0 hrs Cum tot: 0 hrs
 Well Head Issues: 0 hrs. Cum tot: 0 hrs

FTR: 283,048 bbls.

RT- 0

CR- 575

LTR: 282,473 bbls.

NOTES:

Roll off boxes on location

Full: # 25475 (3/4 full)
 Sand box in use: # 274660
 Empty # 274313 on stand-by

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/13/2014 06:00	4/14/2014 06:00	24	PROD1	OTHER	WSI	WSI

Report #: 32 Daily Operation: 4/14/2014 06:00 - 4/15/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days) 110	Days on Location (days) 31	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

WSI,

Remarks

CTS: 0 hrs Cum tot: 0 hrs
 RPS: Downtime: 0 hrs Cum tot: 0 hrs
 VOYAGER: 0 hrs. Cum tot. 0 hrs.
 EXCLUSIVE: 0 hrs Cum tot: 0 hrs
 Well Head Issues: 0 hrs. Cum tot: 0 hrs

FTR: 283,048 bbls.

RT- 0

CR- 575

LTR: 282,473 bbls.

NOTES:

Roll off boxes on location

Full: # 25475 (3/4 full)
 Sand box in use: # 274660
 Empty # 274313 on stand-by

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/14/2014 06:00	4/15/2014 06:00	24	COMPL	Other operations	OTHR	WSI, waiting on 3h & 4h ops.

Report #: 33 Daily Operation: 4/15/2014 06:00 - 4/16/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days) 111	Days on Location (days) 32	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

WSI

Remarks

CTS: 0 hrs Cum tot: 0 hrs
 RPS: Downtime: 0 hrs Cum tot: 0 hrs
 VOYAGER: 0 hrs. Cum tot. 0 hrs.
 EXCLUSIVE: 0 hrs Cum tot: 0 hrs
 Well Head Issues: 0 hrs. Cum tot: 0 hrs

FTR: 283,048 bbls.

RT- 0

CR- 575

LTR: 282,473 bbls.

NOTES:

Roll off boxes on location

Full: # 25475 (3/4 full)
 Sand box in use: # 274660
 Empty # 274313 on stand-by

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/15/2014 06:00	4/16/2014 06:00	24	COMPL	Other operations	OTHR	WSI, waiting on 3h & 4h ops.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Report #: 34 Daily Operation: 4/16/2014 06:00 - 4/17/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days) 112	Days on Location (days) 33	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

WSI

Remarks

CTS: 0 hrs Cum tot: 0 hrs
 RPS: Downtime: 0 hrs Cum tot: 0 hrs
 VOYAGER: 0 hrs. Cum tot. 0 hrs.
 EXCLUSIVE: 0 hrs Cum tot: 0 hrs
 Well Head Issues: 0 hrs. Cum tot: 0 hrs

FTR: 283,048 bbls.

RT- 0

CR- 575

LTR: 282,473 bbls.

NOTES:

Roll off boxes on location

Full: # 25475 (3/4 full)
 Sand box in use: # 274660
 Empty # 274313 on stand-by

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/16/2014 06:00	4/17/2014 06:00	24	COMPL	Other operations	OTHR	WSI, waiting on 3h & 4h ops.

Report #: 35 Daily Operation: 4/17/2014 06:00 - 4/18/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days) 113	Days on Location (days) 34	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

WSI

Remarks

CTS: 0 hrs Cum tot: 0 hrs
 RPS: Downtime: 0 hrs Cum tot: 0 hrs
 VOYAGER: 0 hrs. Cum tot. 0 hrs.
 EXCLUSIVE: 0 hrs Cum tot: 0 hrs
 Well Head Issues: 0 hrs. Cum tot: 0 hrs

FTR: 283,048 bbls.

RT- 0

CR- 575

LTR: 282,473 bbls.

NOTES:

Roll off boxes on location

Full: # 25475 (3/4 full)
 Sand box in use: # 274660
 Empty # 274313 on stand-by

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/17/2014 06:00	4/18/2014 06:00	24	PROD1	OTHER	WSI	WSI

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Report #: 36 Daily Operation: 4/18/2014 06:00 - 4/19/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days) 114	Days on Location (days) 35	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

WSI

Remarks

CTS: 0 hrs Cum tot: 0 hrs
 RPS: Downtime: 0 hrs Cum tot: 0 hrs
 VOYAGER: 0 hrs. Cum tot. 0 hrs.
 EXCLUSIVE: 0 hrs Cum tot: 0 hrs
 Well Head Issues: 0 hrs. Cum tot: 0 hrs

FTR: 283,048 bbls.

RT- 0

CR- 575

LTR: 282,473 bbls.

NOTES:

Roll off boxes on location

Full: # 25475 (3/4 full)
 Sand box in use: # 274660
 Empty # 274313 on stand-by

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/18/2014 06:00	4/19/2014 06:00	24	PROD1	OTHER	WSI	WSI

Report #: 37 Daily Operation: 4/19/2014 06:00 - 4/20/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days) 115	Days on Location (days) 36	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

WSI

Remarks

CTS: 0 hrs Cum tot: 0 hrs
 RPS: Downtime: 0 hrs Cum tot: 0 hrs
 VOYAGER: 0 hrs. Cum tot. 0 hrs.
 EXCLUSIVE: 0 hrs Cum tot: 0 hrs
 Well Head Issues: 0 hrs. Cum tot: 0 hrs

FTR: 283,048 bbls.

RT- 0

CR- 575

LTR: 282,473 bbls.

NOTES:

Roll off boxes on location

Full: # 25475 (3/4 full)
 Sand box in use: # 274660
 Empty # 274313 on stand-by

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/19/2014 06:00	4/20/2014 06:00	24	COMPL	Other operations	OTHR	WSI, waiting on 3h & 4h ops.

Report #: 38 Daily Operation: 4/20/2014 06:00 - 4/21/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	
116	37	-22.0				

Operations Summary
WSI

Remarks
 CTS: 0 hrs Cum tot: 0 hrs
 RPS: Downtime: 0 hrs Cum tot: 0 hrs
 VOYAGER: 0 hrs. Cum tot. 0 hrs.
 EXCLUSIVE: 0 hrs Cum tot: 0 hrs
 Well Head Issues: 0 hrs. Cum tot: 0 hrs

 FTR: 283,048 bbls.

 RT- 0

 CR- 575

 LTR: 282,473 bbls.

 NOTES:
 Roll off boxes on location

 Full: # 25475 (3/4 full)
 Sand box in use: # 274660
 Empty # 274313 on stand-by

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/20/2014 06:00	4/21/2014 06:00	24	PROD1	OTHER	WSI	Well Shut in Waiting on 3H/5H ops

Report #: 39 Daily Operation: 4/21/2014 06:00 - 4/22/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	
117	38	-22.0				

Operations Summary
WSI

Remarks
 CTS: 0 hrs Cum tot: 0 hrs
 RPS: Downtime: 0 hrs Cum tot: 0 hrs
 VOYAGER: 0 hrs. Cum tot. 0 hrs.
 EXCLUSIVE: 0 hrs Cum tot: 0 hrs
 Well Head Issues: 0 hrs. Cum tot: 0 hrs

 FTR: 283,048 bbls.

 RT- 0

 CR- 575

 LTR: 282,473 bbls.

 NOTES:
 Roll off boxes on location

 Full: # 25475 (3/4 full)
 Sand box in use: # 274660
 Empty # 274313 on stand-by

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/21/2014 06:00	4/22/2014 06:00	24	COMPL	Other operations	OTHR	WSI

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Report #: 40 Daily Operation: 4/22/2014 06:00 - 4/23/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days) 118	Days on Location (days) 39	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

WSI

Remarks

CTS: 0 hrs Cum tot: 0 hrs
 RPS: Downtime: 0 hrs Cum tot: 0 hrs
 VOYAGER: 0 hrs. Cum tot. 0 hrs.
 EXCLUSIVE: 0 hrs Cum tot: 0 hrs
 Well Head Issues: 0 hrs. Cum tot: 0 hrs

FTR: 283,048 bbls.

RT- 0

CR- 575

LTR: 282,473 bbls.

NOTES:

Roll off boxes on location

Full: # 25475 (3/4 full)
 Sand box in use: # 274660
 Empty # 274313 on stand-by

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/22/2014 06:00	4/23/2014 06:00	24	COMPL	Other operations	OTHR	WSI

Report #: 41 Daily Operation: 4/23/2014 06:00 - 4/24/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days) 119	Days on Location (days) 40	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

WSI

Remarks

CTS: 0 hrs Cum tot: 0 hrs
 RPS: Downtime: 0 hrs Cum tot: 0 hrs
 VOYAGER: 0 hrs. Cum tot. 0 hrs.
 EXCLUSIVE: 0 hrs Cum tot: 0 hrs
 Well Head Issues: 0 hrs. Cum tot: 0 hrs

FTR: 283,048 bbls.

RT- 0

CR- 575

LTR: 282,473 bbls.

NOTES:

Roll off boxes on location

Full: # 25475 (3/4 full)
 Sand box in use: # 274660
 Empty # 274313 on stand-by

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/23/2014 06:00	4/24/2014 06:00	24	COMPL	Other operations	OTHR	WSI

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Report #: 42 Daily Operation: 4/24/2014 06:00 - 4/25/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days) 120	Days on Location (days) 41	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

WSI
Rig up Esco #239
RIH with 2 3/8 work string

Remarks

CTS: 0 hrs Cum tot: 0 hrs
RPS: Downtime: 0 hrs Cum tot: 0 hrs
VOYAGER: 0 hrs. Cum tot. 0 hrs.
EXCLUSIVE: 0 hrs Cum tot: 0 hrs
Well Head Issues: 0 hrs. Cum tot: 0 hrs

FTR: 283,048 bbls.

RT- 0

CR- 575

LTR: 282,473 bbls.

NOTES:

Roll off boxes on location
Sand Box in use: RB37355RT (Baker)
Full: # 25475 (3/4 full)
Sand box Full: # 274660
Empty # 274313 on stand-by

Having to share fork lift with University 3-33 #6H - Pad

Bit Info

Size: 4 5/8
Type: HA-4G
S/N: K34551
Pin Size: 2 7/8
IADC: 216

BHA:

Bit
Bit Sub
Float
Float
2 3/8 joint
F Nipple

2 3/8: 380 Joints

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/24/2014 06:00	4/24/2014 21:00	15	COMPL	Other operations	OTHR	WSI
4/24/2014 21:00	4/25/2014 02:15	5.25	COMPL	RURD any equipment: WL, EL, CT, etc.	RURD	Move in rig up ESCO 239 pulling unit, rig mat, cat walk, energy fishing and rental pumps and line, and all supportive equipment. Tested blind rams frac valve and flow back iron to 3000 psi
4/25/2014 02:15	4/25/2014 06:00	3.75	TRIP IN HOLE	TRIP IN HOLE	TIH	TIH with 2 3/8 PH6 work string to kill plug at 8,550'. Once at the kill plug test pick up swivel, test 2 3/8 and 2 7/8 bop to 3000 psi. 175 joints in the hole at report time. 5,075'

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Report #: 43 Daily Operation: 4/25/2014 06:00 - 4/26/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days) 121	Days on Location (days) 42	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig Energy Services, 239	

Operations Summary

PJSM, 0 PSI on well, TIH to kill plug, drill kill plug, circulate hole clean, TIH and drill CFP #16 thru 11

Remarks

CTS: 0 hrs Cum tot: 0 hrs
 RPS: Downtime: 0 hrs Cum tot: 0 hrs
 VOYAGER: 0 hrs. Cum tot. 0 hrs.
 EXCLUSIVE: 0 hrs Cum tot: 0 hrs
 Well Head Issues: 0 hrs. Cum tot: 0 hrs

FTR: 283,048 bbls.

RT- 704

CR- 1279

LTR: 281,769 bbls.

Roll off boxes on location
 Sand Box in use: RB37355RT (Baker)
 Full: # 25475 (3/4 full)
 Sand box Full: # 274660
 Empty # 274313 on stand-by

Bit Info

Size: 4 5/8
 Type: HA-4G
 S/N: K34551
 Pin Size: 2 7/8
 IADC: 216

BHA:

Bit
 Bit Sub
 Float
 Float
 2 3/8 joint
 F Nipple

2 3/8: 380 Joints

2 7/8: 265 Joints

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/25/2014 06:00	4/25/2014 06:15	0.25	PLAN	PERS	SFTY	PJSM
4/25/2014 06:15	4/25/2014 12:15	6	COMPL	Milling plugs	MILL	TIH to kill plug, Tag Kill plug at 8,554' on joint #290. RU up swivel, pump, tie back to single line, and change out elevators. start circulation at 3 BPM at 1200 PSI recovering 3.3-3.5 BPM at 00--800 PSI. Drill Kill plug in 70 minutes free torque 1100 ft/lbs drilling torque 1200 ft/lbs. Circulate 10 BBL sweep to surface to clean well bore.
4/25/2014 12:15	4/25/2014 21:00	8.75	COMPL	Milling plugs	MILL	TIH and tagged CFP16 with jnt 481 TM, set at 14,340' WLM. Drill plug out in 25 minutes pumping 3 BPM / 2000 PSI and recovering 3.6BPM / 600 PSI. Plug gone TIH two joints pump 10 BBL sweep to EOT. .
4/25/2014 21:00	4/26/2014 00:00	3	COMPL	Milling plugs	MILL	Wash down and tag CFP # 15@ 14,640' w/ 491 jnts. in hole. @ 3 bpm/ 1200 psi, returning 3.4 bpm/ 650 psi. Drill time 24 mins. Pump 10 bbl. sweep & circulate bottoms up on 28/64 chk, returning light sand.
4/26/2014 00:00	4/26/2014 01:00	1	COMPL	Milling plugs	MILL	Wash down and tag CFP # 14@ 14,927 ' w/ 500 jnts. in hole. @ 3 bpm/ 2000 psi, returning 3.3 bpm/ 700 psi. Drill time 20 mins. Pump 10 bbl. sweep to EOT on 32/64 chk, returning light sand.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/26/2014 01:00	4/26/2014 04:00	3	COMPL	Milling plugs	MILL	Wash down and tag CFP # 13 @ 15,239' w/ 510 jnts. in hole. @ 3 bpm/ 2000 psi, returning 3.1 bpm/ 700 psi. Drill time 35 mins. Pump 10 bbl. sweep and circulate bottoms up 32/64 chk, returning light sand.
4/26/2014 04:00	4/26/2014 04:45	0.75	COMPL	Milling plugs	MILL	Wash down to but DID NOT SEE CFP # 12 @ 15,540' w/ 520 jnts. in hole. @ 3 bpm/ 2000 psi, returning 3.1 bpm/ 700 psi. Drill time 0mins. Pick up 2 extra joints and circulate 10 bbl to end of tubing 32/64 chk, returning light sand.
4/26/2014 04:45	4/26/2014 06:00	1.25	COMPL	Milling plugs	MILL	Wash down and tag CFP # 11 @ 15,825' w/ 529 jnts. in hole. @ 3 bpm/ 2000 psi, returning 3.1 bpm/ 650 psi. Drill time 25 mins. Pump 10 bbl. sweep and circulate bottoms up 32/64 chk, returning light sand.

Report #: 44 Daily Operation: 4/26/2014 06:00 - 4/27/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days) 122	Days on Location (days) 43	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig Energy Services, 239	

Operations Summary

PJSM, Drill CFP's 10 thru 8
Pipe stuck
Pulled 14 joints
Worked pipe
Circulated sweep, able to move pipe freely
Circulated another sweep bottoms up

Remarks

CTS: 0 hrs Cum tot: 0 hrs
RPS: Downtime: 0 hrs Cum tot: 0 hrs
VOYAGER: 0 hrs. Cum tot. 0 hrs.
EXCLUSIVE: 0 hrs Cum tot: 0 hrs
Well Head Issues: 0 hrs. Cum tot: 0 hrs

FTR: 283,048 bbls.

RT- 420

CR- 1699

LTR: 281,349 bbls.

University 3-33 #3H WH PSI 360 psi

Roll off boxes on location
Sand Box in use: RB37355RT (Baker)
Full: # 25475 (3/4 full)
Sand box Full: # 274660
Empty # 274313 on stand-by

Bit Info

Size: 4 5/8
Type: HA-4G
S/N: K34551
Pin Size: 2 7/8
IADC: 216

BHA:

Bit
Bit Sub
Float
Float
2 3/8 joint
F Nipple

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/26/2014 06:00	4/26/2014 06:15	0.25	PLAN	PERS	SFTY	PJSM
4/26/2014 06:15	4/26/2014 06:30	0.25	COMPL	Milling plugs	MILL	Finish circulating sweep to surface

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/26/2014 06:30	4/26/2014 08:30	2	COMPL	Milling plugs	MILL	TIH and tag plug #10 at 16,124' TM, set at 16140' WLM. Drill plug out in 30 minutes pumping 3 BPM / 2000 PSI and recovering 3.4 BPM / 650 PSI. Plug gone TIH two joints pump 5 BBL sweep circulate 20 minutes. Free torque 1800 PSI while on plug torque 2700 PSI.
4/26/2014 08:30	4/26/2014 12:45	4.25	COMPL	Milling plugs	MILL	TIH and tag plug #9 at 16,425' TM, set at 16,440' WLM. Drill plug out in 40 minutes pumping 3 BPM / 2100 PSI and recovering 3.2 BPM / 700 PSI. Plug gone TIH two joints pump 10 BBL sweep circulate wellbore clean. Free torque 1800 PSI while on plug torque 2700 PSI.
4/26/2014 12:45	4/26/2014 14:30	1.75	COMPL	Milling plugs	MILL	TIH and tag plug #8 at 16,713' TM, set at 16,736' WLM. Drill plug out in 55 minutes pumping 3 BPM / 2100 PSI and recovering 3.3 BPM / 600 PSI. Plug gone TIH two joints pump 5 BBL sweep circulate 20 minutes. Free torque 2600 PSI while on plug torque 3000 PSI.
4/26/2014 14:30	4/26/2014 18:15	3.75	COMPL	Milling plugs	MILL	RIH to plug # 7 started getting sticky at Jt 573, 16,872'. Pump PSI climbed to 3200 PSI @ 3 BPM from 2200 PSI @ 3 BPM, Pipe torqued out from 2800 to 3300 ft/lbs. Started working pipe up could not move down, laid down 14 joints total, while pumping and attempting to rotate pipe. Surged well thru gut line while working pipe. When pulling up and rotating, kick pump in and pipe would torque out. Pipe would pull free when shut pump down and rotate with 2600 to 3000 PSI torque. Could not move pipe down. Pump 2-5 bbl sweeps. Circulate sweeps out. Making light sand. EOT at 16,469' Joint #559. Casing PSI 500 PSI.
4/26/2014 18:15	4/26/2014 23:45	5.5	COMPL	Milling plugs	MILL	Circulating sweep out. 540 jts on the rack attempted to pull with out swivel rigged swivel down adn tried to pull with elevators couldnt pull.
4/26/2014 23:45	4/27/2014 02:15	2.5	CIRC	CIRCULATE	CIRC	Circulate 10 bbls gel sweep bottoms up. Torque came down, and WH PSI came back up from 375 psi to 600 psi. Circulating 3.3 bpm @ 3000 psi Returning 3.7 bpm @ 600 psi. Pipe started to pull free.
4/27/2014 02:15	4/27/2014 06:00	3.75	CIRC	CIRCULATE	CIRC	Could move pipe freely sent 10 bbls sweep and circulating bottoms up while working pipe. Circulating 3.3 bpm at 3,000psi and returning 3.75 bpm at 600 psi. Returning heavy sand. 538 jts in hole at report time. EOT 16,103

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Report #: 45 Daily Operation: 4/27/2014 06:00 - 4/28/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days) 123	Days on Location (days) 44	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig Energy Services, 239	

Operations Summary
 PJSM, circulate well clean, RIH with BHA at reduced speed. Tag Plug # 7 pump 10 BBL sweep to surface, recovered trace of sand and small amount of plug parts including 1/3 cup of slip parts 1/4" x 3/8" in size. Drill plug #7 circulate sweep to surface, Drill plug #6 circulate sweep to surface. Drill plug 5 circulate sweep to surface, Drill plug 4 circulate sweep to surface. Drill plug 3 circulate sweep to surface, Wash down to plug 2 pump sweep to surface.

NOTE: Fluid at mixing plant 8.7# with 6.5 PH. Fluid at manifold 8.9# with 6.8 PH

Remarks
 CTS: 0 hrs Cum tot: 0 hrs
 RPS: Downtime: 0 hrs Cum tot: 0 hrs
 VOYAGER: 0 hrs. Cum tot. 0 hrs.
 EXCLUSIVE: 0 hrs Cum tot: 0 hrs
 Well Head Issues: 0 hrs. Cum tot: 0 hrs

FTR: 283,048 bbls.

RT- 1200

CR- 2899

LTR: 280,168 bbls.

Roll off boxes on location
 Sand Box in Use: RB37219RT (Baker)
 Sand Box Full: RB37355RT (Baker)
 Full: # 25475 (3/4 full)
 Sand box Full: # 274660
 Full # 274313 on stand by

Bit Info
 Size: 4 5/8
 Type: HA-4G
 S/N: K34551
 Pin Size: 2 7/8
 IADC: 216

BHA:
 Bit
 Bit Sub
 Float
 Float
 2 3/8 joint
 F Nipple

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/27/2014 06:00	4/27/2014 06:15	0.25	PLAN	PERS	SFTY	PJSM
4/27/2014 06:15	4/27/2014 09:30	3.25	COMPL	Milling plugs	MILL	Well making light sand, start running back in hole with BHA at reduced rate. Tagged sand on Jt #563 16,857' 6 joints off plug #7. Pumping 3.1 BPM @ 2100 PSI recovering 3.6 BPM @ 480 PSI on 39 choke. Well making trace of sand. NOTE: Fluid at mixing plant 8.7# with 6.5 PH. Fluid at manifold 8.9# with 6.8 PH
4/27/2014 09:30	4/27/2014 11:30	2	COMPL	Milling plugs	MILL	Tag plug #7 pump 10 BBL sweep to surface. Recovered trace of sand and small amount of plug parts including 1/3 cup of slip parts 1/4" x 3/8" in size.
4/27/2014 11:30	4/27/2014 12:15	0.75	COMPL	Milling plugs	MILL	TIH and tag plug #7 at 17,050' TM, set at 17,040' WLM. Drill plug out in 40 minutes pumping 3 BPM / 2100 PSI and recovering 3.6 BPM / 470 PSI. Plug gone Free torque 2100 PSI while on plug torque 3100 PSI.
4/27/2014 12:15	4/27/2014 15:45	3.5	COMPL	Milling plugs	MILL	TIH and tag plug #6 pump 10 BBL sweep circulate to surface.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/27/2014 15:45	4/27/2014 16:30	0.75	COMPL	Milling plugs	MILL	TIH and tag plug #6 at 17,313' TM, set at 17,340' WLM. Drill plug out in 45 minutes pumping 3.2 BPM / 2200 PSI and recovering 3.6 BPM / 460 PSI. Plug gone. Free torque 2200 PSI while on plug torque 3100 PSI.
4/27/2014 16:30	4/27/2014 20:00	3.5	COMPL	Milling plugs	MILL	TIH and tag plug #5 pump 10 BBL sweep circulate to surface.
4/27/2014 20:00	4/27/2014 20:30	0.5	COMPL	Milling plugs	MILL	TIH and tag plug #5 at 17613' TM, set at 17,634' WLM. Drill plug out in 20 minutes pumping 3.2 BPM / 2200 PSI and recovering 3.6 BPM / 450 PSI. Plug gone TIH two joints pump 5 BBL sweep circulate 20 minutes. Free torque 2200 PSI while on plug torque 3500 PSI.
4/27/2014 20:30	4/27/2014 23:00	2.5	COMPL	Milling plugs	MILL	TIH and tag plug #4 pump 10 BBL sweep circulate to surface.
4/27/2014 23:00	4/27/2014 23:45	0.75	COMPL	Milling plugs	MILL	TIH and tag plug #4 at 17,917' TM, set at 17,940' WLM. Drill plug out in 30 minutes pumping 3.2 BPM / 2200 PSI and recovering 3.4 BPM / 450 PSI. Plug gone TIH two joints pump 5 BBL sweep circulate 20 minutes. Free torque 2000 PSI while on plug torque 3500 PSI.
4/27/2014 23:45	4/28/2014 03:00	3.25	COMPL	Milling plugs	MILL	TIH and tag plug #3 pump 10 BBL sweep circulate to surface.
4/28/2014 03:00	4/28/2014 03:45	0.75	COMPL	Milling plugs	MILL	TIH and tag plug #3 at 18,244' TM, set at 18,240' WLM. Drill plug out in 30 minutes pumping 3.2 BPM / 2200 PSI and recovering 3.7 BPM / 450 PSI. Plug gone TIH two joints pump 5 BBL sweep circulate 20 minutes. Free torque 2000 PSI while on plug torque 3500 PSI.
4/28/2014 03:45	4/28/2014 06:00	2.25	COMPL	Milling plugs	MILL	TIH and to3 joints above plug #2 pump 10 BBL sweep circulate to surface due to dropping well head pressure 613 joints in the hole EOT 18,429'

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Report #: 46 Daily Operation: 4/28/2014 06:00 - 4/29/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days) 124	Days on Location (days) 45	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig Energy Services, 239	

Operations Summary
 PJSM, circulate well while rigging up stand-by pump, Drill plugs 2 and 1. Pump sweeps to clean wellbore, TOOH with BHA. Pump curve sweep. Kill well with 11.6# water. Continut pulling last 100 joints out of hole. Rig down bird bath, and bops. RU API wireline. RIH with Junk basket and gauge ring.

Remarks
 CTS: 0 hrs Cum tot: 0 hrs
 RPS: Downtime: 0 hrs Cum tot: 0 hrs
 VOYAGER: 0 hrs. Cum tot: 0 hrs.
 EXCLUSIVE: 0 hrs Cum tot: 0 hrs
 Well Head Isssues: 0 hrs. Cum tot: 0 hrs

FTR: 283,048 bbls.

RT- 400

CR- 3299

LTR: 279,749 bbls.

Roll off boxes on location
 Sand Box in Use: RB37219RT (Baker)
 Sand Box Full: RB37355RT (Baker)
 Full: # 25475 (3/4 full)
 Sand box Full: # 274660
 Full # 274313 on stand by

Bit Info
 Size: 4 5/8
 Type: HA-4G
 S/N: K34551
 Pin Size: 2 7/8
 IADC: 216

BHA:
 Bit

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/28/2014 06:00	4/28/2014 06:15	0.25	PLAN	PERS	SFTY	PJSM
4/28/2014 06:15	4/28/2014 07:00	0.75	COMPL	Milling plugs	MILL	Circulate well while rigging up stand-by pump. Packing on main pump leaking. Returns cleaned up recovering 3.6 BPM @ 530 PSI, pumping 3. BPM @ 2100 PSI.
4/28/2014 07:00	4/28/2014 08:00	1	COMPL	Milling plugs	MILL	TIH and tag plug #2 at 18,487' TM, set at 18,540' WLM. Drill plug out in 65 minutes pumping 3.2 BPM / 2100 PSI and recovering 3.6 BPM / 450 PSI. Plug gone. Pump 5 BBL sweep. Free torque 2400 PSI while on plug torque 3300 PSI.
4/28/2014 08:00	4/28/2014 11:00	3	COMPL	Milling plugs	MILL	TIH and tag plug #1 at 18,801" TM, set at 18,821' WLM. Drill plug out in 90 minutes pumping 3.2 BPM / 2100 PSI and recovering 3.5 BPM / 420 PSI. Plug gone. Free torque 2400 PSI while on plug torque 3300 PSI.
4/28/2014 11:00	4/28/2014 13:30	2.5	COMPL	Milling plugs	MILL	Tag PBTD 18,831' joint 626 lay down 626 and pump 5/20/10 sweep to surface. Returns showing trace of sand.
4/28/2014 13:30	4/28/2014 19:30	6	COMPL	Tbg related operations	TUBING	Hang swivel off floor, TOOH with 2 7/8" PH-6 and 54 joints of 2 3/8" PH-6. EOT at 9,614'.
4/28/2014 19:30	4/28/2014 21:30	2	CIRC	CIRCULATE	CIRC	Nipple up swivel pump 5/20/10 curve sweep, pumping 3 BPM @ 2000 PSI.
4/28/2014 21:30	4/29/2014 02:30	5	TRIP OUT HOLE	TOOH	TOOH	Continue Tripping out of the hole with 2 3/8" tubing. Will stop with 100 joints left in the hole and pump 11.5# brine water to kill well. so we can continue pulling out of hole with last 100 joints
4/29/2014 02:30	4/29/2014 03:45	1.25	COMPL	RURD any equipment: WL, EL, CT, etc.	RURD	RD bird bath, annular, 2 7/8, 2 3/8 bops and spool.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/29/2014 03:45	4/29/2014 04:15	0.5	COMPL	RURD any equipment: WL, EL, CT, etc.	RURD	Rig up API wireline truck and 7 1/16 10K wireline flange
4/29/2014 04:15	4/29/2014 06:00	1.75	PROD1	Wireline Operations	WIRELINE	API wireline RIH with 4.62" gauge ring, 3.5" junk basket, 3.13" weight bar, 3.05" CC; and 1.45" cable head. to a depth 8200'.

Report #: 47 Daily Operation: 4/29/2014 06:00 - 4/30/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days) 125	Days on Location (days) 46	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig Energy Services, 239	

Operations Summary

PJSM, RIH set packer at 8,176', setting tool did not shear off packer, worked line moved up 8', pull out of rope socket, POOH with WL, indications show pulled out of rope socket, waiting on fishing tools, TIH with overshot and jars, retrieve fish from hole Rig up Halliburton

Remarks

CTS: 0 hrs Cum tot: 0 hrs
RPS: Downtime: 0 hrs Cum tot: 0 hrs
VOYAGER: 0 hrs. Cum tot. 0 hrs.
EXCLUSIVE: 0 hrs Cum tot: 0 hrs
Well Head Issues: 0 hrs. Cum tot: 0 hrs

FTR: 283,048 bbls.

RT- 400

CR- 3299

LTR: 279,749 bbls.

Roll off boxes on location
Sand Box in Use: RB37219RT (Baker)
Sand Box Full: RB37355RT (Baker)
Full: # 25475 (3/4 full)
Sand box Full: # 274660
Full # 274313 on stand by

Bit Info

Size: 4 5/8
Type: HA-4G
S/N: K34551
Pin Size: 2 7/8
IADC: 216

BHA:
Bit

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/29/2014 06:00	4/29/2014 06:15	0.25	PLAN	PERS	SFTY	PJSM
4/29/2014 06:15	4/29/2014 11:15	5	COMPL	Wireline operations to set packer	WLPK	Make up Vision AS1X packer with 2.31 profile on/off tool and pump out plug set to shear at 3160 PSI. Run and set packer at 8,176' Did not see setting tool shear. PU on WL could not move up or down worked WL moved up hole 8', pulling up to 3400#. Continue working WL pulled up to 3600 no movement. Worked up to 3800 pulled out of rope socket. POOH with line, indicated line came out of rope socket. RD WL. Called for fishing tools. Nipple down mud cross and frac valve. Nipple up BOP's, annulars, and bird bath.
4/29/2014 11:15	4/29/2014 14:30	3.25	UNPLANNED	Unplanned Fishing Operations including trips / Mil	U_FSH	Waiting on fishing tools.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/29/2014 14:30	4/29/2014 22:15	7.75	UNPLANNED	Unplanned Fishing Operations including trips / Mil	U_FSH	RIH with over shot, jars and 2 7/8" production tubing to a depth of 8,176' where the packer was set to fish the setting tool left in the hole by API wireline. Latched on to fish, pulled a couple points over, stacked completely out, and pulled into it and sheered off at approx 10 points over. Pull out of hole 20' and go back in and stack out on packer again, pull up and POOH. Noticed tubing collars hitting something in the B- Section on the way out of the hole. Got out of the hole with the fish (Setting tool), Packer held.
4/29/2014 22:15	4/30/2014 00:00	1.75	COMPL	Other operations	OTHR	While POOH noticed 2 7/8" production tubing was hitting something in the B section. Rigging down bird bath and BOPs to inspect the B - Section. Noticed a voided area below B section, about 2 ft 8 inches from top flange of b section, where the pipe was hanging up and damaging top part of collars.
4/30/2014 00:00	4/30/2014 04:30	4.5	COMPL	Other operations	OTHR	Waiting on Halliburton to arrive on location to RIH with ESP Pump
4/30/2014 04:30	4/30/2014 06:00	1.5	COMPL	RURD any equipment: WL, EL, CT, etc.	RURD	Halliburton rigging up ESP pump to RIH

Report #: 48 Daily Operation: 4/30/2014 06:00 - 5/1/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 028766
Days From Spud (days) 126	Days on Location (days) 47	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig Energy Services, 239	

Operations Summary

PJSM. Caliper, make up and RIH with ESP on 2 7/8" Production Tubing, Wait on wire to complete job, finish in hole with ESP. Hang tubing off, nipple down BOP's, nipple up production tree. RD and move to the 3H.

Remarks

HOWCO: 3.5 hrs Cum tot: 3.5 hrs

FTR: 283,048 bbls.

RT- 400

CR- 3299

LTR: 279,749 bbls.

Roll off boxes on location
Sand Box in Use: RB37219RT (Baker)
Sand Box Full: RB37355RT (Baker)
Full: # 25475 (3/4 full)
Sand box Full: # 274660
Full # 274313 on stand by

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/30/2014 06:00	4/30/2014 06:15	0.25	SAFETY	PRE-JOB SAFETY MEETING	SAFETY	PJSM for running ESP
4/30/2014 06:15	4/30/2014 10:30	4.25	COMPL	Tbg related operations	TUBING	Tally and Measure OD and ID of pump sections, Witnessed by Lane Beaty and Travis Van Hoose. Pick up Halliburton ESS and tail pipe.
4/30/2014 10:30	4/30/2014 17:00	6.5	COMPL	Tbg related operations	TUBING	RIH with ESP on 2 7/8" Production tubing from derrick.
4/30/2014 17:00	4/30/2014 20:30	3.5	UNPLANNED	Other - Anything not listed above	U_OTR	HOWCO did not have enough wire to complete running ESP waiting on wire, splice wire.
4/30/2014 20:30	4/30/2014 21:30	1	COMPL	Tbg related operations	TUBING	Finish in hole with ESP
4/30/2014 21:30	4/30/2014 22:00	0.5	UNPLANNED	Other - Anything not listed above	U_OTR	Waiting on QCI with production tree and tubing hanger.
4/30/2014 22:00	5/1/2014 02:30	4.5	COMPL	ND, NU, Testing, Sleeve Installation, Greasing Wel	WLHEAD	Install tubing hanger and set in B section, nipple down annular, BOP's. Nipple up bottom section and tree. Rig up cap string and quick connection for cable. Pump out plug at 4000 PSI.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/1/2014 02:30	5/1/2014 03:30	1	COMPL	RURD any equipment: WL, EL, CT, etc.	RURD	Rig down completions rig and move to 3H.
5/1/2014 03:30	5/1/2014 06:00	2.5	COMPL	Other operations	OTHR	WSI

Report #: 49 Daily Operation: 5/1/2014 06:00 - 5/2/2014 06:00

Job Category ORIG COMPLETION	Primary Job Type OCM	AFE Number 028766
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Days From Spud (days) 127	Days on Location (days) 48	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig
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Operations Summary

PJSM, clean around well head, Turn over to production, final report.

Remarks

FTR: 283,048 bbls.

RT- 400

CR- 3299

LTR: 279,749 bbls.

Roll off boxes on location

Sand Box in Use: RB37219RT (Baker)

Sand Box Full: RB37355RT (Baker)

Full: # 25475 (3/4 full)

Sand box Full: # 274660

Full # 274313 on stand by

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/1/2014 06:00	5/1/2014 06:15	0.25	PROD1	Hold job safety analysis or safety meeting	SFTY	PJSM
5/1/2014 06:15	5/1/2014 07:30	1.25	COMPL	Other operations	OTHR	Clean location around wellhead
5/1/2014 07:30	5/2/2014 06:00	22.5	COMPL	Other operations	OTHR	Turn over to production, final report

WELL DETAILS

Well Name UNIVERSITY 3-33 4H	API/UWI 42-461-38427-0000	Operator PIONEER NATURAL RESRC USA INC
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Wellbore Hole Size

Section Des	Size (in)	Act Top (ftGRD)	Act Btm (ftGRD)	Start Date	End Date
Conductor	30	0.0	120.0	12/1/2013	12/1/2013
Surface	17 1/2	120.0	1,086.0	12/25/2013	12/27/2013
Intermediate	12 1/4	1,086.0	8,003.0	12/27/2013	1/6/2014
Production	8 1/2	8,003.0	18,966.0	2/18/2014	3/6/2014

Conductor Casing

Run Date 12/1/2013	Set Depth (ftGRD) 98.0	Centralizers						
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top (ftGRD)	Btm (ftGRD)
Casing Joints	20	19.124	94.00		120.00	1	-22.0	98.0

Run Date 12/1/2013	Set Depth (ftGRD) 120.0	Centralizers						
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top (ftGRD)	Btm (ftGRD)
Casing Joints	20	19.000	106.50	J-55	120.00	1	0.0	120.0

Surface Casing

Set Depth (ftGRD) 678.0	Run Date	Centralizers						
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top (ftGRD)	Btm (ftGRD)
Casing Joints	13 3/8	12.715	48.00	J-55	675.00	17	3.0	678.0
Set Depth (ftGRD) 1,084.0	Run Date 12/28/2013	Centralizers						

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top (ftGRD)	Btm (ftGRD)
Casing Joints	13 3/8	12.615	54.50	J-55	0.00	0	0.0	0.0
Casing Cut off	13 3/8	12.615	54.50	J-55	0.00	0	0.0	0.0
Casing Cut off	13 3/8	12.615	54.50	J-55	16.72	1	0.0	16.7
Casing Joints	13 3/8	12.615	54.50	J-55	1,024.24	25	16.7	1,040.9
Float Collar	13 3/8	12.615	54.50	J-55	1.38	1	1,040.9	1,042.3
Casing Joints	13 3/8	12.615	54.50	J-55	39.41	1	1,042.3	1,081.7
Float collar	13 3/8	12.615	54.50	J-55	1.41	1	1,081.7	1,083.1
Shoe	13 3/8	12.615	54.50	J-55	0.89	1	1,083.1	1,084.0

Surface Casing Cement

Type	String	Cementing Start Date	Cementing End Date	Cementing Company	Top (ftGRD)	Btm (ftGRD)
Casing	Surface, 1,084.0ftGRD	12/28/2013	12/29/2013	SCHLUMBERGER	208.0	1,084.0
Class	Amount (sacks)	Yield (ft ³ /sack)		Density (lb/gal)		
Class C	942	1.70		13.60		
Type	String	Cementing Start Date	Cementing End Date	Cementing Company	Top (ftGRD)	Btm (ftGRD)
Casing	Surface, 1,084.0ftGRD	12/28/2013	12/29/2013	SCHLUMBERGER	0.0	208.0
Class	Amount (sacks)	Yield (ft ³ /sack)		Density (lb/gal)		
	942	1.70		13.60		

Intermediate Casing

Set Depth (ftGRD)	Run Date	Centralizers						
7,523.0								
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top (ftGRD)	Btm (ftGRD)
Casing Joints	9 5/8	8.835	40.00	L-80	7,520.00	188	3.0	7,523.0
Set Depth (ftGRD)	Run Date	Centralizers						
7,993.1	1/7/2014	29						
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top (ftGRD)	Btm (ftGRD)
Casing Joints	9 5/8	8.835	40.00	L-80	0.00	0	0.0	0.0
Casing Hanger	9 5/8	8.835	40.00	L-80	4.70	1	0.0	4.7
Casing Joints	9 5/8	8.835	40.00	L-80	6,054.70	130	4.7	6,059.4
Casing Joints	9 5/8	8.755	43.50	L-80	1,883.06	41	6,059.4	7,942.5
Float Collar	9 5/8	8.755	43.50	L-80	1.50	1	7,942.5	7,944.0
Casing Joints	9 5/8	8.755	43.50	L-80	47.29	1	7,944.0	7,991.3
Float Shoe	9 5/8	8.755	43.50	L-80	1.83	1	7,991.3	7,993.1

Intermediate Casing Cement

Type	String	Cementing Start Date	Cementing End Date	Cementing Company	Top (ftGRD)	Btm (ftGRD)
Casing	Intermediate, 7,993.1ftGRD	1/7/2014	1/7/2014	SCHLUMBERGER	3,178.0	7,993.1
Class	Amount (sacks)	Yield (ft ³ /sack)		Density (lb/gal)		
				10.00		
Class TXI LITEWEIGHT	Amount (sacks)	Yield (ft ³ /sack)		Density (lb/gal)		
	938	2.23		11.50		
Class Class H	Amount (sacks)	Yield (ft ³ /sack)		Density (lb/gal)		
	188	1.07		16.40		

Production Casing

Set Depth (ftGRD)	Run Date	Centralizers						
18,949.6	3/9/2014	13						
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top (ftGRD)	Btm (ftGRD)
cut off	5 1/2	4.778	20.00	P110	1.40	0	0.0	1.4
safety valve	5 1/2	4.778	20.00	P110	0.00	0	1.4	1.4
FOSV	5 1/2	4.778	20.00	P110	0.00	0	1.4	1.4
Landed jt.	5 1/2	4.778	20.00	P110	0.00	0	1.4	1.4
casing jt	5 1/2	4.778	20.00	P110	43.18	1	1.4	44.6
Casing Pup Joint	5 1/2	4.778	20.00	P110	9.22	1	44.6	53.8
Casing Joints	5 1/2	4.778	20.00	P110	18,755.68	455	53.8	18,809.5
Toe Sleeve	5 1/2	4.778	20.00	P110	19.26	1	18,809.5	18,828.8
Casing Joints	5 1/2	4.778	20.00	P110	40.12	1	18,828.8	18,868.9
Latch down coll	5 1/2	4.778	20.00	P110	1.80	1	18,868.9	18,870.7
Float Collar	5 1/2	0.000	20.00	P110	1.80	1	18,870.7	18,872.5
Casing Joints	5 1/2	4.778	20.00	P110	75.59	2	18,872.5	18,948.1
Float Shoe	5 1/2	0.000	20.00	P110	1.50	1	18,948.1	18,949.6
Set Depth (ftGRD)	Run Date	Centralizers						
19,278.0								

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top (ftGRD)	Btm (ftGRD)
Casing Joints	5 1/2	4.892	17.00	P-110	19,275.00	482	3.0	19,278.0

Production Casing Cement

Type	String	Cementing Start Date	Cementing End Date	Cementing Company	Top (ftGRD)	Btm (ftGRD)
Casing	Production, 18,949.6ftGRD	3/10/2014	3/10/2014	SCHLUMBERGER	1.5	18,966.0

Class	Amount (sacks)	Yield (ft³/sack)	Density (lb/gal)
Class C	653	2.19	11.50
Class C	1,885	1.66	12.50
Water	0	0.00	8.32

Cement Squeeze

Description	Type	String	Cementing Start Date	Cementing End Date	Top (ftGRD)	Btm (ftGRD)
Amount (sacks)		Yield (ft³/sack)		Dens (lb/gal)		

Perforations

Top (ftGRD)	Btm (ftGRD)	Zone	Shot Dens (shots/ft)	Entered Shot Total	Com
8,647.0	8,649.0	WOLFCAMP, Original Hole	4.0	8	Stage 34 Cluster 5
8,707.0	8,709.0	WOLFCAMP, Original Hole	4.0	8	Stage 34 Cluster 4
8,767.0	8,769.0	WOLFCAMP, Original Hole	4.0	8	Stage 34 Cluster 3
8,827.0	8,829.0	WOLFCAMP, Original Hole	4.0	8	Stage 34 Cluster 2
8,887.0	8,889.0	WOLFCAMP, Original Hole	4.0	8	Stage 34 Cluster 1
8,947.0	8,949.0	WOLFCAMP, Original Hole	4.0	8	Stage 33 Cluster 5
9,007.0	9,009.0	WOLFCAMP, Original Hole	4.0	8	Stage 33 Cluster 4
9,067.0	9,069.0	WOLFCAMP, Original Hole	4.0	8	Stage 33 Cluster 3
9,127.0	9,129.0	WOLFCAMP, Original Hole	4.0	8	Stage 33 Cluster 2
9,187.0	9,189.0	WOLFCAMP, Original Hole	4.0	8	Stage 33 Cluster 1
9,247.0	9,249.0	WOLFCAMP, Original Hole	4.0	8	Stage 32 Cluster 5
9,307.0	9,309.0	WOLFCAMP, Original Hole	4.0	8	Stage 32 Cluster 4
9,367.0	9,369.0	WOLFCAMP, Original Hole	4.0	8	Stage 32 Cluster 3
9,427.0	9,429.0	WOLFCAMP, Original Hole	4.0	8	Stage 32 Cluster 2
9,487.0	9,489.0	WOLFCAMP, Original Hole	4.0	8	Stage 32 Cluster 1
9,547.0	9,549.0	WOLFCAMP, Original Hole	4.0	8	Stage 31 Cluster 5
9,607.0	9,609.0	WOLFCAMP, Original Hole	4.0	8	Stage 31 Cluster 4
9,667.0	9,669.0	WOLFCAMP, Original Hole	4.0	8	Stage 31 Cluster 3
9,727.0	9,729.0	WOLFCAMP, Original Hole	4.0	8	Stage 31 Cluster 2
9,787.0	9,789.0	WOLFCAMP, Original Hole	4.0	8	Stage 31 Cluster 1
9,847.0	9,849.0	WOLFCAMP, Original Hole	4.0	8	Stage 30 Cluster 5
9,907.0	9,909.0	WOLFCAMP, Original Hole	4.0	8	Stage 30 Cluster 4
9,967.0	9,969.0	WOLFCAMP, Original Hole	4.0	8	Stage 30 Cluster 3
10,027.0	10,029.0	WOLFCAMP, Original Hole	4.0	8	Stage 30 Cluster 2
10,087.0	10,089.0	WOLFCAMP, Original Hole	4.0	8	Stage 30 Cluster 1
10,147.0	10,149.0	WOLFCAMP, Original Hole	4.0	8	Stage 29 Cluster 5
10,207.0	10,209.0	WOLFCAMP, Original Hole	4.0	8	Stage 29 Cluster 4
10,267.0	10,269.0	WOLFCAMP, Original Hole	4.0	8	Stage 29 Cluster 3
10,327.0	10,329.0	WOLFCAMP, Original Hole	4.0	8	Stage 29 Cluster 2
10,387.0	10,389.0	WOLFCAMP, Original Hole	4.0	8	Stage 29 Cluster 1
10,447.0	10,449.0	WOLFCAMP, Original Hole	4.0	8	Stage 28 Cluster 5
10,507.0	10,509.0	WOLFCAMP, Original Hole	4.0	8	Stage 28 Cluster 4
10,567.0	10,569.0	WOLFCAMP, Original Hole	4.0	8	Stage 28 Cluster 3
10,627.0	10,629.0	WOLFCAMP, Original Hole	4.0	8	Stage 28 Cluster 2
10,689.0	10,691.0	WOLFCAMP, Original Hole	4.0	8	Stage 28 Cluster 1
10,747.0	10,749.0	WOLFCAMP, Original Hole	4.0	8	Stage 27 Cluster 5
10,807.0	10,809.0	WOLFCAMP, Original Hole	4.0	8	Stage 27 Cluster 4
10,867.0	10,869.0	WOLFCAMP, Original Hole	4.0	8	Stage 27 Cluster 3
10,927.0	10,929.0	WOLFCAMP, Original Hole	4.0	8	Stage 27 Cluster 2
10,987.0	10,989.0	WOLFCAMP, Original Hole	4.0	8	Stage 27 Cluster 1

Perforations					
Top (ftGRD)	Btm (ftGRD)	Zone	Shot Dens (shots/ft)	Entered Shot Total	Com
11,047.0	11,049.0	WOLFCAMP, Original Hole	4.0	8	Stage 26 Cluster 5
11,107.0	11,109.0	WOLFCAMP, Original Hole	4.0	8	Stage 26 Cluster 4
11,167.0	11,169.0	WOLFCAMP, Original Hole	4.0	8	Stage 26 Cluster 3
11,227.0	11,229.0	WOLFCAMP, Original Hole	4.0	8	Stage 26 Cluster 2
11,287.0	11,289.0	WOLFCAMP, Original Hole	4.0	8	Stage 26 Cluster 1
11,347.0	11,349.0	WOLFCAMP, Original Hole	4.0	8	Stage 25 Cluster 5
11,407.0	11,409.0	WOLFCAMP, Original Hole	4.0	8	Stage 25 Cluster 4
11,467.0	11,469.0	WOLFCAMP, Original Hole	4.0	8	Stage 25 Cluster 3
11,527.0	11,529.0	WOLFCAMP, Original Hole	4.0	8	Stage 25 Cluster 2
11,587.0	11,589.0	WOLFCAMP, Original Hole	4.0	8	Stage 25 Cluster 1
11,647.0	11,649.0	WOLFCAMP, Original Hole	4.0	8	Stage 24 Cluster 5
11,707.0	11,709.0	WOLFCAMP, Original Hole	4.0	8	Stage 24 Cluster 4
11,767.0	11,769.0	WOLFCAMP, Original Hole	4.0	8	Stage 24 Cluster 3
11,827.0	11,829.0	WOLFCAMP, Original Hole	4.0	8	Stage 24 Cluster 2
11,887.0	11,889.0	WOLFCAMP, Original Hole	4.0	8	Stage 24 Cluster 1
11,947.0	11,949.0	WOLFCAMP, Original Hole	4.0	8	Stage 23 Cluster 5
12,007.0	12,009.0	WOLFCAMP, Original Hole	4.0	8	Stage 23 Cluster 4
12,067.0	12,069.0	WOLFCAMP, Original Hole	4.0	8	Stage 23 Cluster 3
12,127.0	12,129.0	WOLFCAMP, Original Hole	4.0	8	Stage 23 Cluster 2
12,187.0	12,189.0	WOLFCAMP, Original Hole	4.0	8	Stage 23 Cluster 1
12,247.0	12,249.0	WOLFCAMP, Original Hole	4.0	8	Stage 22 Cluster 5
12,307.0	12,309.0	WOLFCAMP, Original Hole	4.0	8	Stage 22 Cluster 4
12,367.0	12,369.0	WOLFCAMP, Original Hole	4.0	8	Stage 22 Cluster 3
12,427.0	12,429.0	WOLFCAMP, Original Hole	4.0	8	Stage 22 Cluster 2
12,487.0	12,489.0	WOLFCAMP, Original Hole	4.0	8	Stage 22 Cluster 1
12,547.0	12,549.0	WOLFCAMP, Original Hole	4.0	8	Stage 21 Cluster 5
12,607.0	12,609.0	WOLFCAMP, Original Hole	4.0	8	Stage 21 Cluster 4
12,667.0	12,669.0	WOLFCAMP, Original Hole	4.0	8	Stage 21 Cluster 3
12,727.0	12,729.0	WOLFCAMP, Original Hole	4.0	8	Stage 21 Cluster 2
12,787.0	12,789.0	WOLFCAMP, Original Hole	4.0	8	Stage 21 Cluster 1
12,847.0	12,849.0	WOLFCAMP, Original Hole	4.0	8	Stage 20 Cluster 5
12,907.0	12,909.0	WOLFCAMP, Original Hole	4.0	8	Stage 20 Cluster 4
12,967.0	12,969.0	WOLFCAMP, Original Hole	4.0	8	Stage 20 Cluster 3
13,027.0	13,029.0	WOLFCAMP, Original Hole	4.0	8	Stage 20 Cluster 2
13,087.0	13,089.0	WOLFCAMP, Original Hole	4.0	8	Stage 20 Cluster 1
13,147.0	13,149.0	WOLFCAMP, Original Hole	4.0	8	Stage 19 Cluster 5
13,207.0	13,209.0	WOLFCAMP, Original Hole	4.0	8	Stage 19 Cluster 4
13,267.0	13,269.0	WOLFCAMP, Original Hole	4.0	8	Stage 19 Cluster 3
13,327.0	13,329.0	WOLFCAMP, Original Hole	4.0	8	Stage 19 Cluster 2
13,387.0	13,389.0	WOLFCAMP, Original Hole	4.0	8	Stage 19 Cluster 1
13,447.0	13,449.0	WOLFCAMP, Original Hole	4.0	8	Stage 18 Cluster 5
13,507.0	13,509.0	WOLFCAMP, Original Hole	4.0	8	Stage 18 Cluster 4
13,567.0	13,569.0	WOLFCAMP, Original Hole	4.0	8	Stage 18 Cluster 3
13,627.0	13,629.0	WOLFCAMP, Original Hole	4.0	8	Stage 18 Cluster 2
13,687.0	13,689.0	WOLFCAMP, Original Hole	4.0	8	Stage 18 Cluster 1
13,747.0	13,749.0	WOLFCAMP, Original Hole	4.0	8	Stage 17 Cluster 5
13,810.0	13,812.0	WOLFCAMP, Original Hole	4.0	8	Stage 17 Cluster4
13,867.0	13,869.0	WOLFCAMP, Original Hole	4.0	8	Stage 17 Cluster 3
13,927.0	13,929.0	WOLFCAMP, Original Hole	4.0	8	Stage 17 Cluster 2
13,987.0	13,989.0	WOLFCAMP, Original Hole	4.0	8	Stage 17 Cluster 1
14,047.0	14,049.0	WOLFCAMP, Original Hole	4.0	8	Stage 16 Cluster 5
14,107.0	14,109.0	WOLFCAMP, Original Hole	4.0	8	Stage 16 Cluster 4
14,167.0	14,169.0	WOLFCAMP, Original Hole	4.0	8	Stage 16 Cluster 3
14,227.0	14,229.0	WOLFCAMP, Original Hole	4.0	8	Stage 16 Cluster 2

Perforations					
Top (ftGRD)	Btm (ftGRD)	Zone	Shot Dens (shots/ft)	Entered Shot Total	Com
14,287.0	14,289.0	WOLFCAMP, Original Hole	4.0	8	Stage 16 Cluster 1
14,347.0	14,345.0	WOLFCAMP, Original Hole	4.0	8	Stage 15 Cluster 5
14,407.0	14,409.0	WOLFCAMP, Original Hole	4.0	8	Stage 15 Cluster 4
14,467.0	14,469.0	WOLFCAMP, Original Hole	4.0	8	Stage 15 Cluster 3
14,527.0	14,529.0	WOLFCAMP, Original Hole	4.0	8	Stage 15 Cluster 2
14,587.0	14,589.0	WOLFCAMP, Original Hole	4.0	8	Stage 15 Cluster 1
14,647.0	14,649.0	WOLFCAMP, Original Hole	4.0	8	Stage 14 Cluster 5
14,707.0	14,709.0	WOLFCAMP, Original Hole	4.0	8	Stage 14 Cluster 4
14,767.0	14,769.0	WOLFCAMP, Original Hole	4.0	8	Stage 14 Cluster3
14,827.0	14,829.0	WOLFCAMP, Original Hole	4.0	8	Stage 14 Cluster 2
14,887.0	14,889.0	WOLFCAMP, Original Hole	4.0	8	Stage 14 Cluster 1
14,947.0	14,949.0	WOLFCAMP, Original Hole	4.0	8	Stage 13 Cluster 5
15,007.0	15,009.0	WOLFCAMP, Original Hole	4.0	8	Stage 13 Cluster 4
15,067.0	15,069.0	WOLFCAMP, Original Hole	4.0	8	Stage 13 Cluster 3
15,127.0	15,129.0	WOLFCAMP, Original Hole	4.0	8	Stage 13 Cluster 2
15,187.0	15,189.0	WOLFCAMP, Original Hole	4.0	8	Stage 13 Cluster 1
15,247.0	15,249.0	WOLFCAMP, Original Hole	4.0	8	Stage 12 Cluster 5
15,307.0	15,309.0	WOLFCAMP, Original Hole	4.0	8	Stage 12 Cluster 4
15,367.0	15,369.0	WOLFCAMP, Original Hole	4.0	8	Stage 12 Cluster 3
15,427.0	15,429.0	WOLFCAMP, Original Hole	4.0	8	Stage 12 Cluster 2
15,487.0	15,489.0	WOLFCAMP, Original Hole	4.0	8	Stage 12 Cluster 1
15,547.0	15,549.0	WOLFCAMP, Original Hole	4.0	8	Stage 11 Cluster 5
15,607.0	15,609.0	WOLFCAMP, Original Hole	4.0	8	Stage 11 Cluster 4
15,667.0	15,669.0	WOLFCAMP, Original Hole	4.0	8	Stage 11 Cluster 3
15,727.0	15,729.0	WOLFCAMP, Original Hole	4.0	8	Stage 11 Cluster 2
15,787.0	15,789.0	WOLFCAMP, Original Hole	4.0	8	Stage 11 Cluster 1
15,847.0	15,849.0	WOLFCAMP, Original Hole	4.0	8	Stage 10 Cluster 5
15,907.0	15,909.0	WOLFCAMP, Original Hole	4.0	8	Stage 10 Cluster 4
15,967.0	15,969.0	WOLFCAMP, Original Hole	4.0	8	Stage 10 Cluster 3
16,027.0	16,029.0	WOLFCAMP, Original Hole	4.0	8	Stage 10 Cluster 2
16,087.0	16,089.0	WOLFCAMP, Original Hole	4.0	8	Stage 10 Cluster 1
16,147.0	16,149.0	WOLFCAMP, Original Hole	4.0	8	Stage 9 Cluster 5
16,207.0	16,209.0	WOLFCAMP, Original Hole	4.0	8	Stage 9 Cluster 4
16,267.0	16,269.0	WOLFCAMP, Original Hole	4.0	8	Stage 9 Cluster 3
16,327.0	16,329.0	WOLFCAMP, Original Hole	4.0	8	Stage 9 Cluster 2
16,387.0	16,389.0	WOLFCAMP, Original Hole	4.0	8	Stage 9 Cluster 1
16,447.0	16,449.0	WOLFCAMP, Original Hole	4.0	8	Stage 8 Cluster 5
16,507.0	16,509.0	WOLFCAMP, Original Hole	4.0	8	Stage 8 Cluster 4
16,567.0	16,569.0	WOLFCAMP, Original Hole	4.0	8	Stage 8 Cluster 3
16,627.0	16,629.0	WOLFCAMP, Original Hole	4.0	8	Stage 8 Cluster 2
16,687.0	16,689.0	WOLFCAMP, Original Hole	4.0	8	Stage 8 Cluster 1
16,747.0	16,749.0	WOLFCAMP, Original Hole	4.0	8	Stage 7 Cluster 5
16,807.0	16,809.0	WOLFCAMP, Original Hole	4.0	8	Stage 7 Cluster 4
16,867.0	16,869.0	WOLFCAMP, Original Hole	4.0	8	Stage 7 Cluster 3
16,927.0	16,929.0	WOLFCAMP, Original Hole	4.0	8	Stage 7 Cluster 2
16,987.0	16,989.0	WOLFCAMP, Original Hole	4.0	8	Stage 7 Cluster 1
17,047.0	17,049.0	WOLFCAMP, Original Hole	4.0	8	Stage 6 Cluster 5
17,107.0	17,109.0	WOLFCAMP, Original Hole	4.0	8	Stage 6 Cluster 4
17,167.0	17,169.0	WOLFCAMP, Original Hole	4.0	8	Stage 6 Cluster 3
17,227.0	17,229.0	WOLFCAMP, Original Hole	4.0	8	Stage 6 Cluster 2
17,287.0	17,289.0	WOLFCAMP, Original Hole	4.0	8	Stage 6 Cluster 1
17,347.0	17,349.0	WOLFCAMP, Original Hole	4.0	8	Stage 5 Cluster 5
17,407.0	17,409.0	WOLFCAMP, Original Hole	4.0	8	Stage 5 Cluster 4
17,467.0	17,469.0	WOLFCAMP, Original Hole	4.0	8	Stage 5 Cluster 3

Perforations						
Top (ftGRD)	Btm (ftGRD)	Zone	Shot Dens (shots/ft)	Entered Shot Total	Com	
17,527.0	17,529.0	WOLFCAMP, Original Hole	4.0	8	Stage 5 Cluster 2	
17,587.0	17,589.0	WOLFCAMP, Original Hole	4.0	8	Stage 5 Cluster 1	
17,628.0	17,630.0	WOLFCAMP, Original Hole	4.0	8	Stage 4 Cluster 10	
17,647.0	17,649.0	WOLFCAMP, Original Hole	4.0	8	Stage 4 Cluster 9	
17,677.0	17,679.0	WOLFCAMP, Original Hole	4.0	8	Stage 4 Cluster 8	
17,707.0	17,709.0	WOLFCAMP, Original Hole	4.0	8	Stage 4 Cluster 7	
17,737.0	17,739.0	WOLFCAMP, Original Hole	4.0	8	Stage 4 Cluster 6	
17,767.0	17,769.0	WOLFCAMP, Original Hole	4.0	8	Stage 4 Cluster 5	
17,797.0	17,799.0	WOLFCAMP, Original Hole	4.0	8	Stage 4 Cluster 4	
17,827.0	17,829.0	WOLFCAMP, Original Hole	4.0	8	Stage 4 Cluster 3	
17,857.0	17,859.0	WOLFCAMP, Original Hole	4.0	8	Stage 4 Cluster 2	
17,887.0	17,889.0	WOLFCAMP, Original Hole	4.0	8	Stage 4 Cluster 1	
17,947.0	17,949.0	WOLFCAMP, Original Hole	4.0	8	Stage 3 Cluster 5	
18,007.0	18,009.0	WOLFCAMP, Original Hole	4.0	8	Stage 3 Cluster 4	
18,067.0	18,069.0	WOLFCAMP, Original Hole	4.0	8	Stage 3 Cluster 3	
18,127.0	18,129.0	WOLFCAMP, Original Hole	4.0	8	Stage 3 Cluster 2	
18,187.0	18,189.0	WOLFCAMP, Original Hole	4.0	8	Stage 3 Cluster 1	
18,247.0	18,249.0	WOLFCAMP, Original Hole	4.0	8	Stage 2 Cluster 5	
18,307.0	18,309.0	WOLFCAMP, Original Hole	4.0	8	Stage 2 Cluster 4	
18,367.0	18,369.0	WOLFCAMP, Original Hole	4.0	8	Stage 2 Cluster 3	
18,427.0	18,429.0	WOLFCAMP, Original Hole	4.0	8	Stage 2 Cluster 2	
18,487.0	18,489.0	WOLFCAMP, Original Hole	4.0	8	Stage 2 Cluster 1	
18,547.0	18,549.0	WOLFCAMP, Original Hole	4.0	8	Stage 1 Cluster 5	
18,607.0	18,609.0	WOLFCAMP, Original Hole	4.0	8	Stage 1 Cluster 4	
18,667.0	18,669.0	WOLFCAMP, Original Hole	4.0	8	Stage 1 Cluster 3	
18,727.0	18,729.0	WOLFCAMP, Original Hole	4.0	8	Stage 1 Cluster 2	
18,787.0	18,789.0	WOLFCAMP, Original Hole	4.0	8	Stage 1 Cluster 1	

Stimulations & Treatments (Actual)

<Comment?>, WOLFCAMP, Original Hole						
Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
3/20/2014	STAGE 1	Pioneer Pumping Services	18,547.0	18,789.0	1 Brady Bulk Sand 12500 lb; 2 Brady Bulk Sand 25000 lb; 3 Brady Bulk Sand 45000 lb; 4 Brady Bulk Sand 60000 lb; 5 Brady Bulk Sand 87500 lb; 6 Brady Bulk Sand 107524 lb	10,753.00
<Comment?>, WOLFCAMP, Original Hole						
3/21/2014	STAGE 2	Pioneer Pumping Services	18,247.0	18,489.0	1 Brady Bulk Sand 12500 lb; 2 Brady Bulk Sand 25000 lb; 3 Brady Bulk Sand 45000 lb; 4 Brady Bulk Sand 60000 lb; 5 Brady Bulk Sand 87500 lb; 6 Brady Bulk Sand 105428 lb	10,084.00
<Comment?>, WOLFCAMP, Original Hole						
3/21/2014	STAGE 3	Pioneer Pumping Services	17,940.0	18,189.0	1 Brady Bulk Sand 12088 lb; 2 Brady Bulk Sand 24312 lb; 3 Brady Bulk Sand 44911 lb; 4 Brady Bulk Sand 62444 lb; 5 Brady Bulk Sand 94060 lb; 6 Brady Bulk Sand 97153 lb	9,064.00
<Comment?>, WOLFCAMP, Original Hole						
3/22/2014	STAGE 4	Pioneer Pumping Services	17,647.0	17,889.0	1 Brady Bulk Sand 12638 lb; 2 Brady Bulk Sand 26212 lb; 3 Brady Bulk Sand 45256 lb; 4 Brady Bulk Sand 61982 lb; 5 Brady Bulk Sand 92669 lb; 6 Brady Bulk Sand 95096 lb	7,603.00
<Comment?>, WOLFCAMP, Original Hole						
3/23/2014	STAGE 5	Pioneer Pumping Services	17,347.0	17,589.0	1 Brady Bulk Sand 12500 lb; 2 Brady Bulk Sand 25000 lb; 3 Brady Bulk Sand 45000 lb; 4 Brady Bulk Sand 60000 lb; 5 Brady Bulk Sand 87500 lb; 6 Brady Bulk Sand 105444 lb	8,527.00

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Stimulations & Treatments (Actual)						
<Comment?>, WOLFCAMP, Original Hole						
Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
3/24/2014	STAGE 6	Pioneer Pumping Services	17,047.0	17,289.0	1 Brady Bulk Sand 12584 lb; 2 Brady Bulk Sand 26119 lb; 3 Brady Bulk Sand 45109 lb; 4 Brady Bulk Sand 61964 lb; 5 Brady Bulk Sand 92176 lb; 6 Brady Bulk Sand 97357 lb	8,421.00
<Comment?>, WOLFCAMP, Original Hole						
3/24/2014	STAGE 7	Pioneer Pumping Services	16,747.0	16,989.0	1 Brady Bulk Sand 12500 lb; 2 Brady Bulk Sand 25000 lb; 3 Brady Bulk Sand 45000 lb; 4 Brady Bulk Sand 60000 lb; 5 Brady Bulk Sand 87500 lb; 6 Brady Bulk Sand 105769 lb	8,309.00
<Comment?>, WOLFCAMP, Original Hole						
3/24/2014	STAGE 8	Pioneer Pumping Services	16,447.0	16,689.0	1 Brady Bulk Sand 12244 lb; 2 Brady Bulk Sand 25478 lb; 3 Brady Bulk Sand 45036 lb; 4 Brady Bulk Sand 61506 lb; 5 Brady Bulk Sand 90840 lb; 6 Brady Bulk Sand 96317 lb	8,269.00
<Comment?>, WOLFCAMP, Original Hole						
3/25/2014	STAGE 9	Pioneer Pumping Services	16,147.0	16,389.0	1 Brady Bulk Sand 12500 lb; 2 Brady Bulk Sand 25000 lb; 3 Brady Bulk Sand 45000 lb; 4 Brady Bulk Sand 60000 lb; 5 Brady Bulk Sand 87500 lb; 6 Brady Bulk Sand 105636 lb	8,350.00
<Comment?>, WOLFCAMP, Original Hole						
3/25/2014	STAGE 10	Pioneer Pumping Services	15,847.0	16,089.0	1 Brady Bulk Sand 12271 lb; 2 Brady Bulk Sand 35863 lb; 3 Brady Bulk Sand 45039 lb; 4 Brady Bulk Sand 61178 lb; 5 Brady Bulk Sand 93086 lb; 6 Brady Bulk Sand 87880 lb	8,686.00
<Comment?>, WOLFCAMP, Original Hole						
3/27/2014	STAGE 11	Pioneer Pumping Services	15,547.0	15,789.0	1 Brady Bulk Sand 12367 lb; 2 Brady Bulk Sand 26002 lb; 3 Brady Bulk Sand 48491 lb; 4 Brady Bulk Sand 61292 lb; 5 Brady Bulk Sand 90764 lb; 6 Brady Bulk Sand 96515 lb	8,353.00
<Comment?>, WOLFCAMP, Original Hole						
3/27/2014	STAGE 12	Pioneer Pumping Services	15,247.0	15,489.0	1 Brady Bulk Sand 12500 lb; 2 Brady Bulk Sand 25000 lb; 3 Brady Bulk Sand 45000 lb; 4 Brady Bulk Sand 60000 lb; 5 Brady Bulk Sand 87500 lb; 6 Brady Bulk Sand 89853 lb	8,469.00
<Comment?>, WOLFCAMP, Original Hole						
3/28/2014	STAGE 13	Pioneer Pumping Services	14,947.0	15,189.0	1 Brady Bulk Sand 12500 lb; 2 Brady Bulk Sand 25000 lb; 3 Brady Bulk Sand 45000 lb; 4 Brady Bulk Sand 60000 lb; 5 Brady Bulk Sand 87500 lb; 6 Brady Bulk Sand 105246 lb	8,164.00
<Comment?>, WOLFCAMP, Original Hole						
3/28/2014	STAGE 14	Pioneer Pumping Services	14,677.0	14,889.0	1 Brady Bulk Sand 12500 lb; 2 Brady Bulk Sand 25000 lb; 3 Brady Bulk Sand 45000 lb; 4 Brady Bulk Sand 60000 lb; 5 Brady Bulk Sand 87500 lb; 6 Brady Bulk Sand 107268 lb	8,330.00
<Comment?>, WOLFCAMP, Original Hole						
3/29/2014	STAGE 15	Pioneer Pumping Services	14,347.0	14,589.0	1 Brady Bulk Sand 25000 lb; 2 Brady Bulk Sand 72096 lb; 3 Brady Bulk Sand 45000 lb; 4 Brady Bulk Sand 48430 lb; 5 Brady Bulk Sand 58000 lb; 6 Brady Bulk Sand 86519 lb	10,547.00
<Comment?>, WOLFCAMP, Original Hole						
3/30/2014	STAGE 16	Pioneer Pumping Services	14,047.0	14,289.0	1 Brady Bulk Sand 12500 lb; 2 Brady Bulk Sand 25000 lb; 3 Brady Bulk Sand 45000 lb; 4 Brady Bulk Sand 60000 lb; 5 Brady Bulk Sand 87500 lb; 6 Brady Bulk Sand 105422 lb	8,169.00

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Stimulations & Treatments (Actual)						
<Comment?>, WOLFCAMP, Original Hole						
Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
3/30/2014	STAGE 17	Pioneer Pumping Services	13,747.0	13,989.0	1 Brady Bulk Sand 12500 lb; 2 Brady Bulk Sand 25000 lb; 3 Brady Bulk Sand 45000 lb; 4 Brady Bulk Sand 60000 lb; 5 Brady Bulk Sand 87500 lb; 6 Brady Bulk Sand 104191 lb	8,098.00
<Comment?>, WOLFCAMP, Original Hole						
3/30/2014	STAGE 18	Pioneer Pumping Services	13,447.0	13,689.0	1 Brady Bulk Sand 12500 lb; 2 Brady Bulk Sand 25000 lb; 3 Brady Bulk Sand 45000 lb; 4 Brady Bulk Sand 60000 lb; 5 Brady Bulk Sand 87500 lb; 6 Brady Bulk Sand 107032 lb	7,784.00
<Comment?>, WOLFCAMP, Original Hole						
3/31/2014	STAGE 19	Pioneer Pumping Services	13,147.0	13,389.0	1 Brady Bulk Sand 12500 lb; 2 Brady Bulk Sand 25000 lb; 3 Brady Bulk Sand 45000 lb; 4 Brady Bulk Sand 60000 lb; 5 Brady Bulk Sand 87500 lb; 6 Brady Bulk Sand 104565 lb	7,913.00
<Comment?>, WOLFCAMP, Original Hole						
3/31/2014	STAGE 20	Pioneer Pumping Services	12,847.0	13,089.0	1 Brady Bulk Sand 12500 lb; 2 Brady Bulk Sand 25000 lb; 3 Brady Bulk Sand 45000 lb; 4 Brady Bulk Sand 60000 lb; 5 Brady Bulk Sand 87500 lb; 6 Brady Bulk Sand 104697 lb	8,153.00
<Comment?>, WOLFCAMP, Original Hole						
4/1/2014	STAGE 21	Pioneer Pumping Services	12,547.0	12,789.0	1 Brady Bulk Sand 12500 lb; 2 Brady Bulk Sand 25000 lb; 3 Brady Bulk Sand 45000 lb; 4 Brady Bulk Sand 246477 lb	7,815.00
<Comment?>, WOLFCAMP, Original Hole						
4/1/2014	STAGE 22	Pioneer Pumping Services	12,247.0	12,489.0	1 Brady Bulk Sand 8981 lb; 2 Brady Bulk Sand 0 lb	5,524.00
<Comment?>, WOLFCAMP, Original Hole						
4/2/2014	STAGE 23	Pioneer Pumping Services	11,947.0	12,189.0	1 Brady Bulk Sand 12500 lb; 2 Brady Bulk Sand 25000 lb; 3 Brady Bulk Sand 45000 lb; 4 Brady Bulk Sand 60000 lb; 5 Brady Bulk Sand 135500 lb; 6 Brady Bulk Sand 234151 lb	10,141.00
<Comment?>, WOLFCAMP, Original Hole						
4/2/2014	STAGE 24	Pioneer Pumping Services	11,647.0	11,889.0	1 Brady Bulk Sand 12500 lb; 2 Brady Bulk Sand 25000 lb; 3 Brady Bulk Sand 45000 lb; 4 Brady Bulk Sand 60000 lb; 5 Brady Bulk Sand 87500 lb; 6 Brady Bulk Sand 105754 lb	7,611.00
<Comment?>, WOLFCAMP, Original Hole						
4/3/2014	STAGE 25	Pioneer Pumping Services	11,347.0	11,589.0	1 Brady Bulk Sand 13101 lb; 2 Brady Bulk Sand 26051 lb; 3 Brady Bulk Sand 45556 lb; 4 Brady Bulk Sand 61354 lb; 5 Brady Bulk Sand 73566 lb; 6 Brady Bulk Sand 117177 lb	8,066.00
<Comment?>, WOLFCAMP, Original Hole						
4/3/2014	STAGE 26	Pioneer Pumping Services	11,047.0	11,289.0	1 Brady Bulk Sand 12500 lb; 2 Brady Bulk Sand 25000 lb; 3 Brady Bulk Sand 45000 lb; 4 Brady Bulk Sand 60000 lb; 5 Brady Bulk Sand 87500 lb; 6 Brady Bulk Sand 0 lb	7,460.00
<Comment?>, WOLFCAMP, Original Hole						
4/3/2014	STAGE 27	Pioneer Pumping Services	10,747.0	10,989.0	1 Brady Bulk Sand 12393 lb; 2 Brady Bulk Sand 24867 lb; 3 Brady Bulk Sand 45584 lb; 4 Brady Bulk Sand 60637 lb; 5 Brady Bulk Sand 88587 lb; 6 Brady Bulk Sand 104501 lb	8,000.00
<Comment?>, WOLFCAMP, Original Hole						
4/4/2014	STAGE 28	Pioneer Pumping Services	10,447.0	10,691.0	1 Brady Bulk Sand 12500 lb; 2 Brady Bulk Sand 25000 lb; 3 Brady Bulk Sand 45000 lb; 4 Brady Bulk Sand 60000 lb; 5 Brady Bulk Sand 87500 lb; 6 Brady Bulk Sand 105173 lb	7,546.00

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Stimulations & Treatments (Actual)

<Comment?>, WOLFCAMP, Original Hole						
Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
4/4/2014	STAGE 29	Pioneer Pumping Services	10,147.0	10,389.0	1 Brady Bulk Sand 13417 lb; 2 Brady Bulk Sand 25926 lb; 3 Brady Bulk Sand 44515 lb; 4 Brady Bulk Sand 61727 lb; 5 Brady Bulk Sand 88184 lb; 6 Brady Bulk Sand 102868 lb	7,787.00
<Comment?>, WOLFCAMP, Original Hole						
4/5/2014	STAGE 30	Pioneer Pumping Services	9,847.0	10,089.0	1 Brady Bulk Sand 12500 lb; 2 Brady Bulk Sand 25000 lb; 3 Brady Bulk Sand 45000 lb; 4 Brady Bulk Sand 60000 lb; 5 Brady Bulk Sand 87500 lb; 6 Brady Bulk Sand 106360 lb	7,652.00
<Comment?>, WOLFCAMP, Original Hole						
4/5/2014	STAGE 31	Pioneer Pumping Services	9,547.0	9,789.0	1 Brady Bulk Sand 13007 lb; 2 Brady Bulk Sand 25882 lb; 3 Brady Bulk Sand 48048 lb; 4 Brady Bulk Sand 59329 lb; 5 Brady Bulk Sand 88170 lb; 6 Brady Bulk Sand 101029 lb	7,349.00
<Comment?>, WOLFCAMP, Original Hole						
4/6/2014	STAGE 32	Pioneer Pumping Services	9,247.0	9,489.0	1 Brady Bulk Sand 12500 lb; 2 Brady Bulk Sand 25000 lb; 3 Brady Bulk Sand 45000 lb; 4 Brady Bulk Sand 60000 lb; 5 Brady Bulk Sand 87500 lb; 6 Brady Bulk Sand 106058 lb	7,346.00
<Comment?>, WOLFCAMP, Original Hole						
4/6/2014	STAGE 33	Pioneer Pumping Services	8,947.0	9,189.0	1 Brady Bulk Sand 12500 lb; 2 Brady Bulk Sand 25000 lb; 3 Brady Bulk Sand 45000 lb; 4 Brady Bulk Sand 60000 lb; 5 Brady Bulk Sand 87500 lb; 6 Brady Bulk Sand 105684 lb	7,393.00
<Comment?>, WOLFCAMP, Original Hole						
4/6/2014	STAGE 34	Pioneer Pumping Services	8,647.0	8,889.0	1 Brady Bulk Sand 12554 lb; 2 Brady Bulk Sand 25065 lb; 3 Brady Bulk Sand 45495 lb; 4 Brady Bulk Sand 62384 lb; 5 Brady Bulk Sand 90358 lb; 6 Brady Bulk Sand 134605 lb	7,668.00

Zones

Zone Name	Top (ftGRD)
WOLFCAMP	

Tubing Details

Tubing Description	Set Depth (ftGRD)	Run Date
Tubing - Production	8,104.9	4/29/2014

Tubing Components

Item Des	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top (ftGRD)	Btm (ftGRD)
Tubing Hanger	7 1/16			0.90	1	-2.3	-1.4
Tubing	2 7/8		L-80	7,824.67	237	-1.4	7,823.2
Tubing	2 7/8		L-80	4.00	1	7,823.2	7,827.2
X-Profile nipple	2 7/8			1.10	1	7,827.2	7,828.3
Tubing	2 7/8		L-80	30.80		7,828.3	7,859.1
ESP - Pump	4	4.70	J-55	18.40	1	7,859.1	7,877.5
ESP - Pump	4			17.70	1	7,877.5	7,895.2
ESP - Pump	4			17.70	1	7,895.2	7,912.9
ESP - Pump	4			17.70	1	7,912.9	7,930.6
Upper Gas separator	4			2.38	1	7,930.6	7,933.0
Gas bypass	4			4.98	1	7,933.0	7,938.0
Stage pump	4			3.54	1	7,938.0	7,941.5
Lower Gas Separator	4			2.67	1	7,941.5	7,944.2
Seal	3.38			5.78	1	7,944.2	7,950.0
Seal	3.38			5.78	1	7,950.0	7,955.8
ESP - Motor	3 3/4			20.10	1	7,955.8	7,975.9
ESP - Motor	3 3/4			14.30	1	7,975.9	7,990.2
ESP - Motor	3 3/4			14.30	1	7,990.2	8,004.5
Sensor	3 3/4			3.20	1	8,004.5	8,007.7
Desander	3 11/16			4.40	1	8,007.7	8,012.1

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Tubing Components							
Item Des	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top (ftGRD)	Btm (ftGRD)
Tubing	2 7/8		L-80	92.37	3	8,012.1	8,104.4
Bull Plug	2 7/8			0.50	1	8,104.4	8,104.9

Rod Strings		
Rod Description	Set Depth (ftGRD)	Run Date
Capillary string	8,006.0	5/1/2014

Rod Components											
Item Des	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top (ftGRD)	Btm (ftGRD)	Make	Model	SN	
Capillary string	3			8,028.00		-22.0	8,006.0				

Other In Hole									
Des	Top (ftGRD)	Btm (ftGRD)	OD (in)	Run Date	Pull Date	Com	String	Wellbore	
Composite Plug #1	18,799.0	18,801.0	4.89	3/18/2014	4/28/2014		Production, 18,949.6ftGRD	Original Hole	
Composite Plug 2	18,518.0	18,520.0	4.89	3/20/2014	4/28/2014		Production, 18,949.6ftGRD	Original Hole	
Composite Plug 3	18,218.0	18,220.0	4.89	3/21/2014	4/28/2014		Production, 18,949.6ftGRD	Original Hole	
Composite Plug 4	17,918.0	17,920.0	4.89	3/22/2014	4/27/2014		Production, 18,949.6ftGRD	Original Hole	
Composite Plug 5	17,612.0	17,614.0	4.89	3/22/2014	4/27/2014		Production, 18,949.6ftGRD	Original Hole	
Composite Plug 6	17,318.0	17,320.0	4.89	3/23/2014	4/27/2014		Production, 18,949.6ftGRD	Original Hole	
Composite Plug 7	17,018.0	17,020.0	4.89	3/24/2014	4/27/2014		Production, 18,949.6ftGRD	Original Hole	
Composite Plug 8	16,714.0	16,717.0	4.89	3/24/2014	4/26/2014		Production, 18,949.6ftGRD	Original Hole	
Composite Plug 9	16,418.0	16,420.0	4.89	3/25/2014	4/26/2014		Production, 18,949.6ftGRD	Original Hole	
Composite Plug 10	16,118.0	16,120.0	4.89	3/25/2014	4/26/2014		Production, 18,949.6ftGRD	Original Hole	
Composite Plug 11	15,818.0	15,820.0	4.89	3/27/2014	4/26/2014		Production, 18,949.6ftGRD	Original Hole	
Composite Plug 12	15,518.0	15,520.0	4.89	3/27/2014	4/26/2014		Production, 18,949.6ftGRD	Original Hole	
Composite Plug 13	15,218.0	15,220.0	4.89	3/27/2014	4/26/2014		Production, 18,949.6ftGRD	Original Hole	
Composite Plug 14	14,918.0	14,920.0	4.89	3/28/2014	4/26/2014		Production, 18,949.6ftGRD	Original Hole	
Composite Plug 15	14,618.0	14,620.0	4.89	3/28/2014	4/25/2014		Production, 18,949.6ftGRD	Original Hole	
Composite Plug 16	14,318.0	14,320.0	4.89	3/29/2014	4/25/2014		Production, 18,949.6ftGRD	Original Hole	
Composite Plug 17	14,022.0	14,024.0	4.89	3/30/2014	4/9/2014		Production, 18,949.6ftGRD	Original Hole	
Composite Plug 18	13,718.0	13,720.0	4.89	3/30/2014	4/9/2014		Production, 18,949.6ftGRD	Original Hole	
Composite Plug 19	13,418.0	13,420.0	4.89	3/31/2014	4/9/2014		Production, 18,949.6ftGRD	Original Hole	
Composite Plug 20	13,118.0	13,120.0	4.89	3/31/2014	4/9/2014		Production, 18,949.6ftGRD	Original Hole	
Composite Plug 21	12,818.0	12,820.0	4.89	4/1/2014	4/9/2014		Production, 18,949.6ftGRD	Original Hole	
Composite Plug 23	12,218.0	12,220.0	4.89	4/1/2014		Did not use as per engineer. NO PLUG.	Production, 18,949.6ftGRD	Original Hole	
Composite Plug 22	12,524.0	12,526.0	4.89	4/1/2014	4/9/2014		Production, 18,949.6ftGRD	Original Hole	
Composite Plug 24	11,918.0	11,920.0	4.89	4/2/2014	4/9/2014		Production, 18,949.6ftGRD	Original Hole	
Composite Plug 25	11,618.0	11,620.0	4.89	4/2/2014	4/9/2014		Production, 18,949.6ftGRD	Original Hole	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Other In Hole								
Des	Top (ftGRD)	Btm (ftGRD)	OD (in)	Run Date	Pull Date	Com	String	Wellbore
Composite Plug 26	11,326.0	11,328.0	4.89	4/3/2014	4/9/2014		Production, 18,949.6ftGRD	Original Hole
Composite Plug 27	11,018.0	11,020.0	4.89	4/3/2014	4/9/2014		Production, 18,949.6ftGRD	Original Hole
Composite Plug 28	10,718.0	10,720.0	4.89	4/4/2014	4/9/2014		Production, 18,949.6ftGRD	Original Hole
Composite Plug 29	10,418.0	10,420.0	4.89	4/4/2014	4/9/2014		Production, 18,949.6ftGRD	Original Hole
Composite Plug 30	10,120.0	10,122.0	4.89	4/4/2014	4/8/2014		Production, 18,949.6ftGRD	Original Hole
Composite Plug 31	9,818.0	9,820.0	4.89	4/5/2014	4/8/2014		Production, 18,949.6ftGRD	Original Hole
Composite Plug 32	9,516.0	9,518.0	4.89	4/5/2014	4/8/2014		Production, 18,949.6ftGRD	Original Hole
Composite Plug 33	9,218.0	9,220.0	4.89	4/6/2014	4/8/2014		Production, 18,949.6ftGRD	Original Hole
Composite Plug 34	8,918.0	8,920.0	4.89	4/6/2014	4/8/2014		Production, 18,949.6ftGRD	Original Hole
Composite Plug 35	8,528.0	8,530.0	4.89	4/7/2014	4/8/2014		Production, 18,949.6ftGRD	Original Hole
AS1X Packer	8,154.0	8,138.0	4.89	4/8/2014	4/29/2014		Production, 18,949.6ftGRD	Original Hole

Well Tests								
Description					Volume Oil Total (bbl)	Volume Gas Total (MCF)	Volume Water Total (bbl)	
Before IP					2418.9	2,207.450	8418.2	
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)
5/2/2014		0.000	170.0	170.0	SB	351.3	377.450	2328.0
5/3/2014		0.000	150.0	110.0	SB	296.0	400.000	987.2
5/4/2014		0.000	200.0	120.0	SB	504.0	505.000	1648.0
5/5/2014		0.000	200.0	110.0	SB	624.0	421.000	1703.0
5/6/2014		0.000	200.0	110.0	SB	643.6	504.000	1752.0

Directional Survey						
Date	Description					
12/25/2013	MAIN HOLE SURVEY					
Date	MD (ftGRD)	Incl (°)	Azm (°)	TVD (ftGRD)	Unwrap Displace (ft)	Survey Company
2/19/2014	-22.00	0.00	0.00	-22.00	0.00	Archer
12/26/2013	135.00	1.00	129.00	134.99	1.37	VES
12/26/2013	166.00	1.10	167.40	165.99	1.91	VES
12/26/2013	227.00	0.70	205.00	226.98	2.82	VES
12/26/2013	289.00	1.30	150.90	288.97	3.79	VES
12/26/2013	379.00	1.20	140.60	378.95	5.75	VES
12/26/2013	472.00	1.10	150.20	471.93	7.61	VES
12/26/2013	654.00	1.00	156.40	653.90	10.94	VES
12/26/2013	837.00	0.80	195.50	836.88	13.65	VES
12/26/2013	1,019.00	0.90	160.70	1,018.86	16.22	VES
12/26/2013	1,086.00	0.90	160.70	1,085.85	17.28	VES
12/31/2013	1,235.00	1.30	200.30	1,234.83	19.97	Archer
12/31/2013	1,329.00	1.20	197.30	1,328.80	22.02	Archer
12/31/2013	1,423.00	1.30	185.30	1,422.78	24.06	Archer
12/31/2013	1,613.00	1.30	185.30	1,612.73	28.37	Archer
12/31/2013	1,801.00	0.90	206.00	1,800.70	31.93	Archer
12/31/2013	1,990.00	0.50	53.80	1,989.69	32.77	Archer
12/31/2013	2,179.00	1.40	49.80	2,178.67	35.91	Archer
12/31/2013	2,368.00	1.50	52.20	2,367.60	40.69	Archer
12/31/2013	2,558.00	2.40	49.20	2,557.49	47.15	Archer
12/31/2013	2,936.00	1.20	20.40	2,935.31	58.69	Archer
1/2/2014	3,124.00	1.60	25.20	3,123.25	63.28	Archer
1/2/2014	3,313.00	1.40	27.20	3,312.18	68.23	Archer

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Date	MD (ftGRD)	Incl (°)	Azm (°)	TVD (ftGRD)	Unwrap Displace (ft)	Survey Company
1/2/2014	3,503.00	1.10	10.80	3,502.14	72.33	Archer
1/2/2014	3,692.00	1.20	318.10	3,691.11	75.73	Archer
1/2/2014	3,881.00	1.00	317.80	3,880.07	79.36	Archer
1/2/2014	4,070.00	1.00	324.00	4,069.04	82.65	Archer
1/3/2014	4,258.00	1.10	341.10	4,257.01	86.06	Archer
1/3/2014	4,447.00	1.10	12.20	4,445.98	89.56	Archer
1/3/2014	4,636.00	0.80	237.60	4,634.97	90.85	Archer
1/3/2014	4,825.00	0.60	235.00	4,823.95	93.16	Archer
1/3/2014	5,014.00	0.50	167.60	5,012.95	94.67	Archer
1/3/2014	5,193.00	0.60	172.40	5,191.94	96.39	Archer
1/3/2014	5,382.00	0.60	74.30	5,380.93	97.68	Archer
1/4/2014	5,572.00	0.30	150.90	5,570.93	98.89	Archer
1/4/2014	5,760.00	0.70	126.10	5,758.92	100.50	Archer
1/4/2014	5,948.00	1.30	136.60	5,946.89	103.77	Archer
1/4/2014	6,137.00	1.40	205.20	6,135.85	107.45	Archer
1/4/2014	6,326.00	0.90	104.90	6,324.82	109.96	Archer
1/4/2014	6,514.00	1.50	98.90	6,512.78	113.89	Archer
1/4/2014	6,703.00	1.50	125.50	6,701.72	118.71	Archer
1/6/2014	6,892.00	1.80	118.20	6,890.64	124.14	Archer
1/6/2014	7,090.00	0.90	104.30	7,088.58	128.78	Archer
1/6/2014	7,279.00	0.40	265.30	7,277.58	129.66	Archer
1/6/2014	7,468.00	0.40	224.40	7,466.57	130.90	Archer
1/6/2014	7,657.00	0.70	176.50	7,655.57	132.57	Archer
1/6/2014	7,845.00	0.50	199.20	7,843.56	134.50	Archer
1/6/2014	7,939.00	0.60	194.50	7,937.55	135.40	Archer
2/19/2014	8,054.00	0.70	185.00	8,052.54	136.70	Archer
2/19/2014	8,086.00	3.30	343.70	8,084.53	137.44	Archer
2/19/2014	8,117.00	7.70	351.00	8,115.38	140.41	Archer
2/19/2014	8,149.00	11.90	354.50	8,146.91	145.85	Archer
2/19/2014	8,180.00	14.90	357.50	8,177.06	153.03	Archer
2/19/2014	8,212.00	16.10	357.70	8,207.89	161.59	Archer
2/19/2014	8,243.00	19.60	358.40	8,237.40	171.09	Archer
2/19/2014	8,275.00	22.80	358.00	8,267.23	182.66	Archer
2/19/2014	8,307.00	25.80	358.30	8,296.39	195.82	Archer
2/19/2014	8,338.00	27.70	358.20	8,324.07	209.78	Archer
2/19/2014	8,370.00	28.60	358.00	8,352.29	224.87	Archer
2/19/2014	8,401.00	28.10	358.10	8,379.57	239.59	Archer
2/19/2014	8,432.00	27.50	358.00	8,406.99	254.05	Archer
2/19/2014	8,464.00	29.10	356.90	8,435.16	269.22	Archer
2/19/2014	8,495.00	32.30	356.70	8,461.82	285.05	Archer
2/19/2014	8,527.00	36.00	356.50	8,488.29	303.01	Archer
2/19/2014	8,559.00	39.40	357.10	8,513.61	322.57	Archer
2/19/2014	8,590.00	42.50	358.40	8,537.02	342.89	Archer
2/19/2014	8,622.00	46.40	359.90	8,559.86	365.29	Archer
2/19/2014	8,653.00	49.90	0.10	8,580.54	388.38	Archer
2/19/2014	8,686.00	53.10	359.80	8,601.08	414.20	Archer
2/19/2014	8,716.00	56.30	0.50	8,618.41	438.68	Archer
2/19/2014	8,748.00	59.60	0.60	8,635.39	465.80	Archer
2/19/2014	8,779.00	62.40	0.90	8,650.42	492.91	Archer
2/19/2014	8,811.00	65.70	1.20	8,664.42	521.68	Archer
2/19/2014	8,842.00	69.00	0.70	8,676.36	550.28	Archer
2/19/2014	8,873.00	71.60	0.40	8,686.81	579.47	Archer
2/19/2014	8,905.00	73.90	359.90	8,696.29	610.03	Archer
2/19/2014	8,936.00	76.70	0.10	8,704.16	640.01	Archer
2/19/2014	8,968.00	80.00	1.30	8,710.62	671.34	Archer
2/19/2014	8,999.00	81.70	1.60	8,715.55	701.95	Archer

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Date	MD (ftGRD)	Incl (°)	Azm (°)	TVD (ftGRD)	Unwrap Displace (ft)	Survey Company
2/19/2014	9,031.00	85.50	2.10	8,719.12	733.74	Archer
2/19/2014	9,094.00	90.50	2.80	8,721.32	796.68	Archer
2/19/2014	9,189.00	92.20	4.10	8,719.08	891.65	Archer
2/19/2014	9,283.00	88.30	2.10	8,718.67	985.63	Archer
2/19/2014	9,376.00	87.10	1.10	8,722.40	1,078.55	Archer
2/19/2014	9,471.00	86.30	0.60	8,727.87	1,173.39	Archer
2/19/2014	9,565.00	88.30	359.90	8,732.30	1,267.28	Archer
2/19/2014	9,659.00	87.70	359.80	8,735.58	1,361.23	Archer
2/19/2014	9,754.00	90.70	0.60	8,736.90	1,456.20	Archer
2/19/2014	9,848.00	91.20	0.70	8,735.34	1,550.19	Archer
2/19/2014	9,944.00	90.40	0.40	8,734.00	1,646.18	Archer
2/19/2014	10,038.00	89.80	1.30	8,733.84	1,740.18	Archer
2/19/2014	10,133.00	88.00	0.80	8,735.66	1,835.16	Archer
2/19/2014	10,226.00	91.00	0.40	8,736.48	1,928.14	Archer
2/19/2014	10,321.00	90.80	0.50	8,734.98	2,023.13	Archer
2/19/2014	10,416.00	89.90	0.30	8,734.40	2,118.13	Archer
2/19/2014	10,510.00	89.80	0.40	8,734.65	2,212.13	Archer
2/19/2014	10,605.00	92.70	359.70	8,732.58	2,307.09	Archer
2/19/2014	10,699.00	92.80	358.40	8,728.07	2,400.98	Archer
2/19/2014	10,794.00	91.50	358.10	8,724.50	2,495.92	Archer
2/19/2014	10,888.00	91.40	359.90	8,722.12	2,589.88	Archer
2/19/2014	10,982.00	92.70	1.10	8,718.76	2,683.82	Archer
2/19/2014	11,077.00	89.80	0.00	8,716.69	2,778.78	Archer
2/19/2014	11,171.00	90.30	0.20	8,716.61	2,872.78	Archer
2/19/2014	11,265.00	88.40	0.80	8,717.67	2,966.77	Archer
2/19/2014	11,359.00	88.10	1.40	8,720.54	3,060.73	Archer
2/19/2014	11,453.00	86.90	0.60	8,724.64	3,154.64	Archer
2/19/2014	11,548.00	86.70	1.00	8,729.95	3,249.49	Archer
2/19/2014	11,643.00	90.80	2.10	8,732.02	3,344.44	Archer
2/19/2014	11,737.00	90.40	2.10	8,731.03	3,438.44	Archer
2/19/2014	11,831.00	92.40	2.10	8,728.74	3,532.41	Archer
2/19/2014	11,926.00	93.10	2.20	8,724.18	3,627.30	Archer
2/19/2014	12,020.00	93.10	2.80	8,719.10	3,721.16	Archer
2/19/2014	12,114.00	92.10	2.40	8,714.83	3,815.06	Archer
2/19/2014	12,209.00	88.50	2.10	8,714.34	3,910.04	Archer
2/19/2014	12,304.00	87.60	0.60	8,717.57	4,004.98	Archer
2/19/2014	12,399.00	86.50	1.30	8,722.46	4,099.86	Archer
2/19/2014	12,493.00	89.10	3.20	8,726.07	4,193.77	Archer
2/19/2014	12,587.00	88.30	0.50	8,728.20	4,287.74	Archer
2/19/2014	12,682.00	91.20	1.50	8,728.61	4,382.73	Archer
2/19/2014	12,777.00	90.70	1.30	8,727.04	4,477.71	Archer
2/19/2014	12,871.00	90.30	1.90	8,726.22	4,571.71	Archer
2/19/2014	12,965.00	91.40	4.30	8,724.82	4,665.69	Archer
2/19/2014	13,060.00	91.20	4.40	8,722.67	4,760.67	Archer
2/19/2014	13,154.00	90.50	3.90	8,721.27	4,854.66	Archer
2/19/2014	13,249.00	89.80	3.80	8,721.02	4,949.65	Archer
2/19/2014	13,344.00	89.40	3.50	8,721.69	5,044.65	Archer
2/19/2014	13,438.00	91.00	1.90	8,721.36	5,138.65	Archer
2/19/2014	13,533.00	90.50	2.80	8,720.12	5,233.64	Archer
2/19/2014	13,627.00	92.20	358.30	8,717.90	5,327.58	Archer
2/19/2014	13,721.00	91.80	357.90	8,714.62	5,421.52	Archer
2/19/2014	13,816.00	91.10	358.80	8,712.22	5,516.49	Archer
2/19/2014	13,910.00	90.40	358.40	8,710.99	5,610.48	Archer
2/19/2014	14,005.00	90.50	359.00	8,710.24	5,705.48	Archer
2/19/2014	14,099.00	88.60	356.20	8,710.98	5,799.46	Archer
2/19/2014	14,194.00	88.30	356.10	8,713.55	5,894.43	Archer

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 3-33 4H

Date	MD (ftGRD)	Incl (°)	Azm (°)	TVD (ftGRD)	Unwrap Displace (ft)	Survey Company
2/19/2014	14,288.00	92.00	359.30	8,713.30	5,988.40	Archer
2/19/2014	14,383.00	92.00	0.90	8,709.99	6,083.34	Archer
2/19/2014	14,477.00	91.60	359.50	8,707.03	6,177.29	Archer
2/19/2014	14,572.00	90.40	359.40	8,705.37	6,272.27	Archer
2/19/2014	14,666.00	91.30	1.40	8,703.98	6,366.26	Archer
2/19/2014	14,761.00	89.50	1.30	8,703.32	6,461.25	Archer
2/19/2014	14,855.00	92.00	0.30	8,702.09	6,555.23	Archer
2/19/2014	14,949.00	92.00	1.10	8,698.81	6,649.18	Archer
2/19/2014	15,043.00	91.40	1.30	8,696.02	6,743.14	Archer
2/19/2014	15,138.00	91.30	1.60	8,693.78	6,838.11	Archer
2/19/2014	15,232.00	88.70	359.90	8,693.78	6,932.10	Archer
2/19/2014	15,326.00	89.60	1.30	8,695.17	7,026.08	Archer
2/19/2014	15,421.00	89.80	2.40	8,695.67	7,121.08	Archer
2/19/2014	15,515.00	89.20	3.10	8,696.49	7,215.08	Archer
2/19/2014	15,609.00	88.80	3.30	8,698.13	7,309.06	Archer
2/19/2014	15,703.00	87.60	2.50	8,701.08	7,403.01	Archer
2/19/2014	15,797.00	88.00	3.30	8,704.69	7,496.94	Archer
2/19/2014	15,892.00	88.00	3.70	8,708.01	7,591.88	Archer
2/19/2014	15,986.00	89.10	4.50	8,710.39	7,685.85	Archer
2/19/2014	16,081.00	90.00	5.10	8,711.13	7,780.85	Archer
2/19/2014	16,175.00	89.60	5.30	8,711.46	7,874.85	Archer
2/19/2014	16,270.00	89.30	4.70	8,712.37	7,969.84	Archer
2/19/2014	16,364.00	90.30	5.30	8,712.70	8,063.84	Archer
2/19/2014	16,458.00	91.60	4.70	8,711.14	8,157.82	Archer
2/19/2014	16,553.00	92.20	3.70	8,707.99	8,252.77	Archer
2/19/2014	16,647.00	92.40	0.60	8,704.22	8,346.68	Archer
2/19/2014	16,741.00	92.80	358.40	8,699.96	8,440.58	Archer
2/19/2014	16,836.00	90.90	356.70	8,696.89	8,535.52	Archer
2/19/2014	16,931.00	89.90	355.60	8,696.23	8,630.52	Archer
2/19/2014	17,025.00	90.50	358.40	8,695.90	8,724.51	Archer
2/19/2014	17,120.00	91.40	358.70	8,694.32	8,819.49	Archer
2/19/2014	17,214.00	90.50	0.70	8,692.76	8,913.48	Archer
2/19/2014	17,308.00	89.90	0.00	8,692.44	9,007.47	Archer
2/19/2014	17,403.00	90.20	0.20	8,692.35	9,102.47	Archer
2/19/2014	17,497.00	89.00	358.80	8,693.01	9,196.47	Archer
2/19/2014	17,591.00	91.10	359.70	8,692.93	9,290.46	Archer
2/19/2014	17,686.00	91.80	0.90	8,690.52	9,385.43	Archer
2/19/2014	17,781.00	91.80	1.30	8,687.54	9,480.38	Archer
2/19/2014	17,875.00	91.60	1.40	8,684.75	9,574.34	Archer
2/19/2014	17,970.00	89.90	0.20	8,683.51	9,669.33	Archer
2/19/2014	18,064.00	88.50	359.40	8,684.82	9,763.31	Archer
2/19/2014	18,159.00	88.40	359.60	8,687.39	9,858.28	Archer
2/19/2014	18,252.00	87.60	359.20	8,690.63	9,951.22	Archer
2/19/2014	18,347.00	87.60	358.90	8,694.61	10,046.14	Archer
2/19/2014	18,441.00	87.60	359.00	8,698.55	10,140.06	Archer
2/19/2014	18,535.00	87.60	359.60	8,702.48	10,233.97	Archer
2/19/2014	18,630.00	86.90	359.40	8,707.04	10,328.86	Archer
2/19/2014	18,723.00	87.70	0.00	8,711.42	10,421.76	Archer
2/19/2014	18,818.00	86.50	359.60	8,716.23	10,516.63	Archer
2/19/2014	18,917.00	87.30	359.90	8,721.58	10,615.49	Archer
2/19/2014	18,966.00	87.30	359.90	8,723.89	10,664.43	Archer