

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

API/UWI 42-383-38336-0000		Property Sub 929682-001		Operator PIONEER NATURAL RESRC USA, INC		State TEXAS		County REAGAN	
Field Name SPRABERRY (TREND AREA)				Surface Legal Location 280' FSL/ 797' FWL, SEC: 31, BLK: 1, SVY: UNIVERSITY LANDS					
Spud Date 8/26/2013		TD Date 10/15/2013		Drilling Rig Release Date 10/21/2013		Frac Date 12/14/2013		On Production Date 1/31/2014	
Ground Elevation (ft) 2,847.00		Original KB Elevation (ft) 2,869.00		PBDT (All) (ftGRD) Original Hole - 18,116.0		Total Depth (All) (ftGRD) Original Hole - 18,208.0		Total Depth All (TVD) (ftGRD) Original Hole - 8,315.1	
Report #: 1 Daily Operation: 8/26/2013 04:30 - 8/26/2013 06:00									
Job Category ORIG DRILLING				Primary Job Type ODR				AFE Number 027781	
Days From Spud (days) 0		Days on Location (days) 0		End Depth (ftGRD) -22.0		End Depth (TVD) (ftGRD)		Dens Last Mud (lb/gal) Rig NABORS DRILLING, M58	
Operations Summary Rig Accepted @ 04:30, begin walk.									
Remarks Nabors M-58 Well (University 2-6 # 2H). Progress: 0.06 days since rig accepted, 0.00 days since Spud. Rig NPT: 0.00 hours for previous 24 hours. 0.00 hours for month of August. Completion percentage: Surface: 100% Intermediate: 0% Curve: 0% Lateral: 0% Rig accepted @ 04:30 hrs on 8/26/2013. *** Estimated Spud time @ 8/26/13 12:00 PM									
Time Log Summary									
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com			
8/26/2013 04:30	8/26/2013 06:00	1.5	MOBILIZATION	MIRU	MIRU	Rig Accepted from the University 2-6 2H @ 04:30. Skid rig from #2H to #1H.			
Report #: 2 Daily Operation: 8/26/2013 06:00 - 8/27/2013 06:00									
Job Category ORIG DRILLING				Primary Job Type ODR				AFE Number 027781	
Days From Spud (days) 1		Days on Location (days) 1		End Depth (ftGRD) 745.0		End Depth (TVD) (ftGRD) 744.9		Dens Last Mud (lb/gal) 8.85 Rig NABORS DRILLING, M58	
Operations Summary Skid rig from #2H well to #1H well. R/U rig, PJSM to go over #1H well plan. P/U 17 1/2" PDC Bit, BHA. Rotate from 150' to 767'. Circ @ TD & pump two 60 bbl high visc sweeps. Dropped Gyro. TOOH. Tight spots @ 366', 354', 280', 274' (Overpull 30 Klbs). Retrieve Gyro, no surveys recorded. Got to surface, stabilizer and bit balled up. Cleaned STB, bit. TIH for wiper trip. Wash & ream from 226' to 767'. At bottom pump 80 bbl high visc sweep & circ bottoms up. TOOH f/ 767' t/ surface. L/D 17 1/2" bit and BHA, Rig Service.									
Remarks Nabors M-58 Well (University 2-6 # 2H). Progress: 1.06 days since rig accepted, 0.67 days since Spud. Rig NPT: 0.00 hours for previous 24 hours. 0.00 hours for month of August. Completion percentage: Surface: 100% Intermediate: 0% Curve: 0% Lateral: 0% Rig accepted @ 04:30 hrs on 8/26/2013. Spud @ 14:30 hrs on 8/26/2013.									
Time Log Summary									
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com			
8/26/2013 06:00	8/26/2013 07:00	1	MOBILIZATION	MIRU	MIRU	Skid rig from the University 2-6 #2H to University 2-6 #1H, shoot and level subs. *** Contact TRRC @ 06:00. Spoke w/ Gloria			
8/26/2013 07:00	8/26/2013 12:00	5	MOBILIZATION	MIRU	MIRU	R/U on the 1H. R/U catwalk, replace long mats under front of sub with short mats. Skid HPU and Koomy, installed hydraulic lines and buffer zones. Replace vibrating line. R/U and set in cellar pumps, hammer in hoses.			
8/26/2013 12:00	8/26/2013 12:30	0.5	PLAN	PERS	SFTY	PJSM and Spud meeting to go over #1H Well Plan w/ Pioneer Rep, Toolpusher and rig crew.			
8/26/2013 12:30	8/26/2013 14:30	2	PLAN	EQUIP	BHA	P/U 17 1/2" Bit re-run #2 and stabilizer, M/U drill collars and HWDP. TIH and tag conductor at 150'.			
8/26/2013 14:30	8/26/2013 22:30	8	SURF-DRILL	DRILL SURFACE	DRL	Rotate 617' @ 75 FPH, 200 spm, 840 gpm, 100 rpm, 1000 psi. Drop 2 soap sticks every other connection and pump 20 bbl sweep every 200'. *** Totco Svy @ 400' = 1.0 Inc *** Totco Svy @ 500' = 1.0 Inc *** Totco Svy @ 600' = 1.2 Inc			

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Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/26/2013 22:30	8/26/2013 23:30	1	SURF-CIRC	CIRCULATE	CIRC	Pumped two 60 bbl Hi-vis sweeps and circulate hole clean w/ 100 rpm, 200 spm, 840 gpm. Dropped Gyro.
8/26/2013 23:30	8/27/2013 01:30	2	SURF-TRIP	TOOH	TRIP	TOOH from 767' to 370'. Tight spots: 366', 354', 280'. 274'. Overpull 30 K. Pump w/ 120 spm, 500 gpm, 275 psi, 35 rpm to get through tight spots. Retrive Gyro at surface, no surveys recorded. STB & bit, 50% balled up. Cleaned STB & bit, TIH for wiper trip.
8/27/2013 01:30	8/27/2013 02:30	1	SURF-TIH	TRIP IN HOLE	TIH	TIH f/ 0' t/ 227' on elevators.
8/27/2013 02:30	8/27/2013 03:30	1	SURF-W&R	WASH & REAM	WASH_R EAM	Wash and ream from 226' to 767' w/ 190 spm, 800 gpm, 950 psi. Minimal drag.
8/27/2013 03:30	8/27/2013 04:00	0.5	SURF-CIRC	CIRCULATE	CIRC	Pump 80 bbl Hi-vis sweep and circulate surface to surface. Dropped Gyro.
8/27/2013 04:00	8/27/2013 05:30	1.5	SURF-TRIP	TOOH	TRIP	TOOH and L/D 17 1/2" bit and stabilizer, no drag.
8/27/2013 05:30	8/27/2013 06:00	0.5	SURF-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Rig Service.

Report #: 3 Daily Operation: 8/27/2013 06:00 - 8/28/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027781
Days From Spud (days) 2	Days on Location (days) 2	End Depth (ftGRD) 745.0	End Depth (TVD) (ftGRD) 744.9	Dens Last Mud (lb/gal) 10.00	Rig NABORS DRILLING, M58	

Operations Summary

R/U express csg equipment, run 18 jts 13 3/8" 48# J55 STC and land at 767' w/ 3' of stickup. Circulated 1.5 csg volume. R/U Schlumberger and performed cement job. WOC 4 hours. Clean mud system, preparing rig to skid. Cut conductor & 13 3/8" csg. Install wellhead, welded and tested to 370 psi for 10 minutes. Witness by Pioneer rep. Install well cap. Release Rig from University 2-6 #1H at 04:00 hrs on 8-28-13.

Remarks

Nabors M-58 Well (University 2-6 # 2H). Progress: 1.98 days since rig accepted, 1.59 days since Spud.

Rig NPT: 0.00 hours for previous 24 hours. 0.00 hours for month of August.

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

Rig accepted @ 04:30 hrs on 8/26/2013. Spud @ 14:30 hrs on 8/26/2013.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/27/2013 06:00	8/27/2013 08:15	2.25	SURF-CASE	RUN SURFACE CASING	CASE	R/U Express casing equipment. Swap bells and change out elevators. R/U Tong unit and run hoses.
8/27/2013 08:15	8/27/2013 08:45	0.5	PLAN	PERS	SFTY	PJSM w/ Pioneer Consultants, Express Casing Crew, Nabors Toolpusher and rig crew.
8/27/2013 08:45	8/27/2013 11:00	2.25	SURF-CASE	RUN SURFACE CASING	CASE	M/U 1 joint shoe track adding thread lock to shoe and both sides of float. Centralizer w/ stop ring placed in the middle of first joint and 5' above float collar. Pump through and confirm float/shoe working. Test good. Run 18 joints of 13 3/8, 48.00#/ft, J-55 ST&C Casing f/ 90' t/ 767' filling up every 5 joints. Land casing on bottom w/ 3' of stick up.
8/27/2013 11:00	8/27/2013 13:00	2	SURF-CIRC	CIRCULATE	CIRC	Circulate @ 336 gpm, 175 psi, 80 spm for 1800 strokes (1.50 csg volumes) while rigging up SLB cementers (arrive on location @ 11:15).
8/27/2013 13:00	8/27/2013 14:00	1	SURF-CMT	CEMENT SURFACE CASING	CMT	Hold PJSM & Rig up Schlumberger Cement Head, steel lines. Load plug w/tattle tale. Witness by Company man.

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Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/27/2013 14:00	8/27/2013 16:30	2.5	SURF-CMT	CEMENT SURFACE CASING	CMT	Tested lines to 1,500 PSI, Ok. Pumped 20 bbls of water spacer. Mixed and pumped 150 bbls of class "C" cement at 13.6 PPG (500 sxs, yield: 1.71 cu ft/sx) cement slurry with: 3.0% D20 + 2.0% SOO1. Dropped plug, calculated displacement = 113.5 bbls, displace w/ fresh water. Cement to surface 65 bbls into displacement. Total cement returned: 48 bbls. Rate: 6.2 BPM, final pressure 229 psi. Bumped plug @ 113.5 bbls with 500 psi over (750 psi). Held pressure for 5 minutes, floats held. Bled pressure off, got back 0.5 bbl. Cement in place at 16:30 hrs. Monitor for 5 minutes, Ok. Lift Pressures: 10 bbl - 111 psi; 20 bbls - 163 psi; 30 bbl - 179 psi; 40 bbls - 206 psi; 50 bbl - 163 psi; 60 bbs - 190 psi; 70 bbl - 229 psi; 80 bbls - 235 psi; 90 bbl - 260 psi; 100 bbls - 215 psi; 110 bbls - 229 psi. Final pressure: 229 psi
8/27/2013 16:30	8/27/2013 21:00	4.5	SURF-CMT	CEMENT SURFACE CASING	CMT	WOC for 4 hours. Clean out mud system. L/D casing spider, bails, elevators. Hooked up lines to frac tanks to transfer brine water to pits.
8/27/2013 21:00	8/28/2013 04:00	7	SURFACE - WLHEAD	WLHEAD	WLHEAD	Made rough cut on conductor and 13 3/8" casing. L/D cutoff. Got choke line and trolley beam in place for walk. Break vibrating lines from subs while made final cut on 13 3/8" and grind same. Install wellhead, leveled and welded. Wait 30 minutes & let cool, tested wellhead to 370 psi for 10 minutes, OK. Witnessed by Pioneer representative. Install well cap while continue preparing rig to walk. Rig release from University 2-6 #1H at 04:00 hrs on 8-28-13.

Report #: 4 Daily Operation: 9/19/2013 23:30 - 9/20/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027781
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	
25	2	745.0	744.9	10.05	NABORS DRILLING, M58	

Operations Summary

Released rig to 1H from 3H @ 23:30hrs. Finished rigging down equipment and walk around inspection for 60' rig walk. Walk rig 5' and Main HPU went down. Troubleshooting 24V power supply.

Remarks

Nabors M-58 Released F/ University 2-6 3H to 1H @ 23:30hrs.

Rig NPT: 4 hours for previous 24 hours. 10.25 hours for month of September.

Completion percentage: Surface: 100% | Intermediate: 0%

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/19/2013 23:30	9/20/2013 01:00	1.5	PROD1	SHARE	MOB	Prep to walk rig. Remove cellar covers and put on new well. RD Power cat and install pipe under for walk. RD Hydraulic and electric lines on Koomey. RD lines on Main HPU.
9/20/2013 01:00	9/20/2013 02:00	1	PROD1	SHARE	MOB	Tie up all electric lines on subs. Remove Vib lines from back of subs to water tank. PU front stairs and hang w/ hoist. RD csg bells and load on truck w/ all csg equipment. Test walking Package system. Move kommey over 60' and HPU over 25'.
9/20/2013 02:00	9/20/2013 02:30	0.5	PROD1	SHARE	MOB	PJSM on Rig skid. Walk rig 5'.
9/20/2013 02:30	9/20/2013 06:00	3.5	UNPLANNED	Rig-related problems (BOPE, etc)	U_RIG	Downtime - waiting on electrician to troubleshoot 24V Power supply on HPU. While walking rig, had to shutdown to repair small hydraulic leak. After starting HPU back up, it would not build pressure, 450psi only and 3000psi is needed. Troubleshooting electric on HPU.

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Well Name: UNIVERSITY 2-6 1H

Report #: 5 Daily Operation: 9/20/2013 06:00 - 9/21/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027781
Days From Spud (days) 26	Days on Location (days) 3	End Depth (ftGRD) 745.0	End Depth (TVD) (ftGRD) 744.9	Dens Last Mud (lb/gal) 10.05	Rig NABORS DRILLING, M58	

Operations Summary

Troubleshooting HPU - Discovered Faulty pressure regulator and replaced. Resume walking rig F/ 3H T/ 1H. NU BOP's, flowline and Choke line. Test BOPE and Casing according to TRRC regulations, all tests good and charted same.

Remarks

Nabors M-58 Released F/ University 2-6 3H to 1H @ 23:30hrs.
Accepted Rig @ 16:30hrs 9-20-13

Rig NPT: 4.5 hours for previous 24 hours. 14.75 hours for month of September.

Completion percentage: Surface: 100% | Intermediate: 0%

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/20/2013 06:00	9/20/2013 10:30	4.5	MOBILIZATION	RDMO	RDMO	Downtime - waiting on electrician to troubleshoot 24V Power supply on HPU. Discovered and replaced faulty hydraulic pressure regulator on HPU.
9/20/2013 10:30	9/20/2013 14:30	4	MOBILIZATION	MIRU	MIRU	Resumed skidding rig from University 2-6#3H to University 2-6#1H.
9/20/2013 14:30	9/20/2013 16:30	2	MOBILIZATION	MIRU	MIRU	Shoot subs for level over University 2-6 1H. Move Excess rig mats out of way. Move Connex over and rig up New electric line and plug on HPU. Remove pipe from under pragma and position same. RU Hydraulic lines between Subs.
9/20/2013 16:30	9/20/2013 23:00	6.5	INT-NU/TEST	NIPPLE UP/TST	NU/TEST	NU BOPE - Remove Dry hole cap, Stab Stack and torque bolts on same. RU Flow line on bell nipple. RU Hydraulic lines on stack. MU choke line to choke manifold. Remove wrangler from stack. Set up Buffer zone around pragma. Unlock and pressurize Koomey. Install mouse hole. RU Bails and Elevators, had to replace 2 safety cables on upper bail pin and link tilt pin. Accepted Rig @ 16:30 hrs.
9/20/2013 23:00	9/21/2013 05:30	6.5	INT-NU/TEST	NIPPLE UP/TST	NU/TEST	Test BOPE - RU Test joint and safety valves, RU testers equipment. Fill stack with water. Test BOPE 250 low/2500high. Test casing to 1000psi for 30 mins. All tests good and charted same.
9/21/2013 05:30	9/21/2013 06:00	0.5	INT-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Serviced Rig - Top drive, blocks, Blackjack, and performed 3 hole brake adjustment. Rigging down Test equipment.

Report #: 6 Daily Operation: 9/21/2013 06:00 - 9/22/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027781
Days From Spud (days) 27	Days on Location (days) 4	End Depth (ftGRD) 1,507.0	End Depth (TVD) (ftGRD) 1,505.6	Dens Last Mud (lb/gal) 10.00	Rig NABORS DRILLING, M58	

Operations Summary

Install wear bushing. Center BOP stack and had welder modify new drip pan to fit on bell nipple. Held PJSM w/ all personell. PU/MU BHA #2 (Intermediate Section). Slip and Cut Drill line. TIH w/ BHA and tagged float collar @ 727'. Drilled out Shoe Track T/ 767'. Rotate and Slide drill Intermediate section F/ 767' T/ 1529'.

Remarks

Nabors M-58 Released F/ University 2-6 3H to 1H @ 23:30hrs.
Accepted Rig @ 16:30hrs 9-20-13

Surface Section: 1.98 days.

Intermediate section - since rig accepted: 1.56 days, Since Drill Out - 11 hrs.

Rig NPT: 0 hours for previous 24 hours. 14.75 hours for month of September.

Completion percentage: Surface: 100% | Intermediate: 12%

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/21/2013 06:00	9/21/2013 06:30	0.5	INT-NU/TEST	NIPPLE UP/TST	NU/TEST	Run and set wear bushing in wellhead.
9/21/2013 06:30	9/21/2013 07:00	0.5	INT-NU/TEST	NIPPLE UP/TST	NU/TEST	Centering BOP's while, Lay out Directional tools on cat walk
9/21/2013 07:00	9/21/2013 10:30	3.5	INT-NU/TEST	NIPPLE UP/TST	NU/TEST	Install New drip pan under rotary. Welder mod fly to fit

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Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/21/2013 10:30	9/21/2013 11:30	1	INT-TRIP IN HOLE	TRIP IN HOLE	TIH	Pick up Shock Sub and break off double box sub
9/21/2013 11:30	9/21/2013 15:00	3.5	INT-TRIP IN HOLE	TRIP IN HOLE	TIH	Hold PJSM and Pick up BHA #2 for vertical intermediate section
9/21/2013 15:00	9/21/2013 16:00	1	INT-TRIP IN HOLE	TRIP IN HOLE	TIH	Trip in hole w/ 3 stands of 8" DC's and 1 stand of HWDP F/ 123' T/ 459'.
9/21/2013 16:00	9/21/2013 17:30	1.5	PROD1	SHARE	CUTDL	Slip and Cut drill line. 25 wraps, Cut 175'.
9/21/2013 17:30	9/21/2013 18:00	0.5	INT-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Rig Service - Top Drive
9/21/2013 18:00	9/21/2013 18:30	0.5	INT-TRIP IN HOLE	TRIP IN HOLE	TIH	TIH F/ 459' T/ 727', Tagged float collar @ 727'.
9/21/2013 18:30	9/21/2013 19:00	0.5	PROD1-DRILL OUT	DRILL CEMENT FLOAT EQUIP	DRILL-OUT	Drilled out Shoe Track, 5-10K WOB, 550gpm, 60rpm. F/ 727' T/ 767'. Reamed and wiped several times.
9/21/2013 19:00	9/21/2013 21:00	2	INT-DRILL-TAN	DRILL INT TANGENT-ROTATE	DRL-ROT	Rotate drill 80' @ 40 fph, 60 rpm, 500 gpm, 93.5 mrpm, 450 DIFF, 15k WOB.
9/21/2013 21:00	9/21/2013 21:30	0.5	INT-DRILL-TAN	DRILL INT TANGENT-SLIDE	DRL-SLIDE	Slide Drill 50' @ 25 fph, 270 MTF, 500gpm, 15K WOB, 85 Mrpm.
9/21/2013 21:30	9/22/2013 00:00	2.5	INT-DRILL-TAN	DRILL INT TANGENT-ROTATE	DRL-ROT	Rotate drill 221' @ 88 fph, 60 rpm, 500 gpm, 93.5 mrpm, 450 DIFF, 15k WOB.
9/22/2013 00:00	9/22/2013 00:30	0.5	PROD1	SHARE	BHA	PU and Stand back 1 stand of HWDP, PU stand w/ jars and LD old Jars. PU new Jars and MU in mousehole. TIH w/ new jars and made hook w/ stand of HWDP.
9/22/2013 00:30	9/22/2013 01:00	0.5	INT-DRILL-TAN	DRILL INT TANGENT-SLIDE	DRL-SLIDE	Slide Drill 40' @ 80 fph, 150R, 630gpm, 15K WOB, 107 Mrpm.
9/22/2013 01:00	9/22/2013 01:30	0.5	INT-DRILL-TAN	DRILL INT TANGENT-ROTATE	DRL-ROT	Rotate drill 55' @ 110 fph, 90 rpm, 720 gpm, 107 mrpm, 450 DIFF, 15k WOB.
9/22/2013 01:30	9/22/2013 02:00	0.5	INT-DRILL-TAN	DRILL INT TANGENT-SLIDE	DRL-SLIDE	Slide Drill 40' @ 80 fph, 150R, 630gpm, 15K WOB, 107 Mrpm.
9/22/2013 02:00	9/22/2013 03:30	1.5	INT-DRILL-TAN	DRILL INT TANGENT-ROTATE	DRL-ROT	Rotate drill 154' @ 103 fph, 100 rpm, 800 gpm, 136 mrpm, 450 DIFF, 25k WOB.
9/22/2013 03:30	9/22/2013 03:45	0.25	INT-DRILL-TAN	DRILL INT TANGENT-SLIDE	DRL-SLIDE	Slide Drill 20' @ 80 fph, 120L, 630gpm, 15K WOB, 107 Mrpm.
9/22/2013 03:45	9/22/2013 04:30	0.75	INT-DRILL-TAN	DRILL INT TANGENT-ROTATE	DRL-ROT	Rotate drill 74' @ 100 fph, 100 rpm, 800 gpm, 136 mrpm, 450 DIFF, 28k WOB.
9/22/2013 04:30	9/22/2013 05:00	0.5	INT-DRILL-TAN	DRILL INT TANGENT-ROTATE	DRL-ROT	Rig Service - Top Drive, Blocks, Blackjack, and Blocks. Inspection of Mud Pump #2.
9/22/2013 05:00	9/22/2013 06:00	1	INT-DRILL-TAN	DRILL INT TANGENT-SLIDE	DRL-SLIDE	Slide Drill 30' @ 30 fph, 120r, 630gpm, 15K WOB, 107 Mrpm.

Report #: 7 Daily Operation: 9/22/2013 06:00 - 9/23/2013 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 027781
Days From Spud (days) 28	Days on Location (days) 5	End Depth (ftGRD) 3,174.0
End Depth (TVD) (ftGRD) 3,172.0	Dens Last Mud (lb/gal) 10.00	Rig NABORS DRILLING, M58

Operations Summary

Slide and Rotate Drill F/ 1529' T/ 3196'.

Remarks

Nabors M-58 Released F/ University 2-6 3H to 1H @ 23:30hrs.

Accepted Rig @ 16:30hrs 9-20-13

Surface Section: 1.98 days.

Intermediate section - since rig accepted: 2.56 days, Since Drill Out - 1.45 Days.

Rig NPT: 0 hours for previous 24 hours. 14.75 hours for month of September.

Completion percentage: Surface: 100% | Intermediate: 38%

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/22/2013 06:00	9/22/2013 07:00	1	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate drill 57' @ 57 fph, 100 rpm, 800 gpm, 136 mrpm, 450 DIFF, 28k WOB.
9/22/2013 07:00	9/22/2013 07:30	0.5	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide Drill 25' @ 50 fph, 190 SPM, 800 gpm, 15K WOB, 135 Mrpm. @ 120L GTF

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Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/22/2013 07:30	9/22/2013 08:30	1	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate drill 57' @ 70 fph, 100 rpm, 800 gpm, 136 mrpm, 450 DIFF, 28k WOB.
9/22/2013 08:30	9/22/2013 09:00	0.5	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide Drill 35' @ 70 fph, 190 SPM, 800 gpm, 15K WOB, 135 Mrpm. @ 180 GTF
9/22/2013 09:00	9/22/2013 10:00	1	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate drill 59' @ 59 fph, 100 rpm, 800 gpm, 136 mrpm, 450 DIFF, 28k WOB.
9/22/2013 10:00	9/22/2013 10:45	0.75	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide Drill 40' @ 53 fph, 190 SPM, 800 gpm, 15K WOB, 135 Mrpm. @180 GTF
9/22/2013 10:45	9/22/2013 12:00	1.25	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate drill 54' @ 43.2 fph, 100 rpm, 800 gpm, 136 mrpm, 450 DIFF, 28k WOB.
9/22/2013 12:00	9/22/2013 13:00	1	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide Drill 40' @ 40 fph, 190 SPM, 800 gpm, 15K WOB, 135 Mrpm. @90 GTF
9/22/2013 13:00	9/22/2013 16:30	3.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate drill 243' @ 69 fph, 100 rpm, 800 gpm, 136 mrpm, 450 DIFF, 22k WOB.
9/22/2013 16:30	9/22/2013 17:00	0.5	INT-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Rig Service - Top Drive, Blocks, Drawworks, Blackjack.
9/22/2013 17:00	9/22/2013 18:00	1	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide Drill 30' @ 30 fph, 190 SPM, 800 gpm, 15K WOB, 135 Mrpm. @ 260 MTF
9/22/2013 18:00	9/22/2013 21:30	3.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate drill 347' @ 99 fph, 110 rpm, 800 gpm, 136 mrpm, 450 DIFF, 23k WOB.
9/22/2013 21:30	9/22/2013 22:30	1	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide Drill 40' @ 40 fph, 190 SPM, 630 gpm, 19K WOB, 107 Mrpm. 350 Diff, @ 0 MTF
9/22/2013 22:30	9/23/2013 04:00	5.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate drill 527' @ 96 fph, 110 rpm, 800 gpm, 136 mrpm, 450 DIFF, 23k WOB.
9/23/2013 04:00	9/23/2013 04:30	0.5	INT-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Rig Service - Top Drive, Blocks, 3 Hole Brakes.
9/23/2013 04:30	9/23/2013 06:00	1.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate drill 94' @ 96 fph, 110 rpm, 800 gpm, 136 mrpm, 450 DIFF, 23k WOB.

Report #: 8 Daily Operation: 9/23/2013 06:00 - 9/24/2013 06:00

Job Category	Primary Job Type				A/E Number
ORIG DRILLING	ODR				027781
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig
29	6	4,370.0	4,367.1	10.00	NABORS DRILLING, M58

Operations Summary

Slide and Rotate Drill Intermediate Section F/ 3196 T/ 3858'. Displace 10ppg Brine w/ 8.8ppg Fresh Water Gel. Slide and Rotate F/ 3858' T/ 4392'.

Remarks

Nabors M-58 Released F/ University 2-6 3H to 1H @ 23:30hrs.

Accepted Rig @ 16:30hrs 9-20-13

Surface Section: 1.98 days.

Intermediate section - since rig accepted: 3.56 days, Since Drill Out - 2.45 Days.

Rig NPT: 0 hours for previous 24 hours. 14.75 hours for month of September.

Completion percentage: Surface: 100% | Intermediate: 55%

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/23/2013 06:00	9/23/2013 14:00	8	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate drill 662' @ 82' fph, 80 rpm, 800 gpm, 136 mrpm, 550 DIFF, 23k to 30k WOB.
9/23/2013 14:00	9/23/2013 16:45	2.75	INT-CIRC	CIRCULATE	CIRC	Displace 10 PPG brine water out with 8.8 PPG Fresh Water Gel Mud. Clean pits before filling w/ Gel Mud.
9/23/2013 16:45	9/23/2013 17:15	0.5	INT-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Rig Service - Top Drive, Blocks, Drgchain, Drawworks, 3 Holed Brakes, Added 5 gallons oil to TD. While fill pits w/ Fresh Water Gel Mud.
9/23/2013 17:15	9/23/2013 18:30	1.25	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate drill 95' @ 76' fph, 100 rpm, 800 gpm, 136 mrpm, 350 DIFF, 23k to 30k WOB.
9/23/2013 18:30	9/23/2013 20:15	1.75	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide Drill 60' @ 34 fph, 190 SPM, 800 gpm, 10K WOB, 136 Mrpm. 350 Diff, @ 270 MTF
9/23/2013 20:15	9/23/2013 21:15	1	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate drill 65' @ 65' fph, 100 rpm, 800 gpm, 136 mrpm, 340 DIFF, 17k WOB.
9/23/2013 21:15	9/23/2013 21:45	0.5	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide Drill 12' @ 25 fph, 190 SPM, 800 gpm, 10K WOB, 136 Mrpm. 350 Diff, @ 240 MTF

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/23/2013 21:45	9/23/2013 22:45	1	UNPLANNED	Rig-related problems (BOPE, etc)	U_RIG	Rig Service - Change out Valve on Pod #2 of Mud PUmp #2.
9/23/2013 22:45	9/24/2013 01:15	2.5	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide Drill 50' @ 20' fph, 190 SPM, 800 gpm, 22K WOB, 136 Mrpm. 350 Diff, @ 2500 MTF
9/24/2013 01:15	9/24/2013 06:00	4.75	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate drill 252' @ 53' fph, 80 rpm, 800 gpm, 136 mrpm, 500 DIFF, 25-30K WOB.

Report #: 9 Daily Operation: 9/24/2013 06:00 - 9/25/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027781
Days From Spud (days) 30	Days on Location (days) 7	End Depth (ftGRD) 5,364.0	End Depth (TVD) (ftGRD) 5,357.1	Dens Last Mud (lb/gal) 8.95	Rig NABORS DRILLING, M58	

Operations Summary

Slide and Rotate Drill F/ 4392' T/ 5386'. Decision was made to TOO H for BHA due to enability to hold toolface and Motor stalling while trying to Slide. Circulate and Condition hole. TOO H F/ 5386' T/ 4700'.

Remarks

Nabors M-58 Released F/ University 2-6 3H to 1H @ 23:30hrs.
Accepted Rig @ 16:30hrs 9-20-13
Surface Section: 1.98 days.
Intermediate section - since rig accepted: 4.56 days, Since Drill Out - 3.45 Days.

Rig NPT: 0 hours for previous 24 hours. 14.75 hours for month of September.

Completion percentage: Surface: 100% | Intermediate: 70%

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/24/2013 06:00	9/24/2013 06:30	0.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate drill 31' @ 62' fph, 80 rpm, 800 gpm, 136 mrpm, 550 DIFF, 27K WOB.
9/24/2013 06:30	9/24/2013 08:00	1.5	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide Drill 30' @ 20' fph, 190 SPM, 800 gpm, 5K WOB, 136 Mrpm. 350 Diff, @ 330 MTF
9/24/2013 08:00	9/24/2013 09:00	1	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate drill 65' @ 62 fph, 80 rpm, 800 gpm, 136 mrpm, 550 diff, 27 K WOB.
9/24/2013 09:00	9/24/2013 10:45	1.75	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide Drill 30' @ 34' fph, 190 SPM, 800 gpm, 14K WOB, 136 Mrpm. 350 Diff, @ 330 MTF
9/24/2013 10:45	9/24/2013 14:15	3.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate drill 225' @ 64 fph. 190 SPM, 800 GPM, 34K WOB, 550 diff.
9/24/2013 14:15	9/24/2013 14:45	0.5	INT-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Serviced top drive, blocks, drawworks, TM-80 and 3 holed brakes. Checked COM.
9/24/2013 14:45	9/24/2013 16:00	1.25	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide drill 30', 24 fph, 190 spm, 800 gpm, 14k wob, 136 m rpm, 45R.
9/24/2013 16:00	9/24/2013 19:30	3.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate drill 255' @ 73 fph. 190 SPM, 800 GPM, 32K WOB, 575 diff.
9/24/2013 19:30	9/24/2013 21:30	2	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide drill 46', 23 fph, 190 spm, 800 gpm, 22k wob, 136 m rpm, @ HS.
9/24/2013 21:30	9/24/2013 22:15	0.75	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate drill 49' @ 65 fph. 190 SPM, 800 GPM, 30K WOB, 575 diff.
9/24/2013 22:15	9/24/2013 23:00	0.75	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide drill 20', 27 fph, 190 spm, 800 gpm, 21k wob, 136 m rpm, @ HS.
9/24/2013 23:00	9/25/2013 01:30	2.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate drill 168' @ 67 fph. 190 SPM, 800 GPM, 31K WOB, 600 diff.
9/25/2013 01:30	9/25/2013 02:45	1.25	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Slide drill 16', 12 fph, 190 spm, 800 gpm, 15-18k wob, 136 m rpm, @ HS. Unable to hold tool face and Motor stalling out. Decision was made to TOO H for new BHA.
9/25/2013 02:45	9/25/2013 05:15	2.5	INT-CIRC	CIRCULATE	CIRC	Circulate and Condition Hole. Pumped 2- 20 bbl sweep, and circulated BU 2X's. Shakers clean.
9/25/2013 05:15	9/25/2013 05:30	0.25	INT-TRIP	TOOH	TRIP	Flow Check - Well Static
9/25/2013 05:30	9/25/2013 06:00	0.5	INT-TRIP	TOOH	TRIP	Pump slug and POOH F/ 5386' T/ 4700'.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Report #: 10 Daily Operation: 9/25/2013 06:00 - 9/26/2013 06:00

Job Category ORIG DRILLING				Primary Job Type ODR		AFE Number 027781
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	
31	8	5,631.0	5,623.1	8.90	NABORS DRILLING, M58	

Operations Summary

Continue TOO H for New BHA. Pull, inspect, and reinstall wear bushing. PU/MU Intermediate BHA #2 and Test same. TIH and encountered tight hole @ 1675'. Washed and Reamed problem section to 2400'. Continue TIH T/ 5181'. Wash and Ream to btm F/ 5181' T/ 5386'. Shutdown and change swab and liner on pump #1. Slide and Rotate drill F/ 5386' T/ 5653'.

Remarks

Nabors M-58 Released F/ University 2-6 3H to 1H @ 23:30hrs.
Accepted Rig @ 16:30hrs 9-20-13
Surface Section: 1.98 days.
Intermediate section - since rig accepted: 5.56 days, Since Drill Out - 4.45 Days.

Rig NPT: 0 hours for previous 24 hours. 14.75 hours for month of September.

Completion percentage: Surface: 100% | Intermediate: 74%

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/25/2013 06:00	9/25/2013 13:00	7	INT-TRIP	TOOH	TRIP	Trip out hole for Mud Motor & Bit, tight @ 2138, 40K over, 2075' 35K over, 1947' 45K over, 1824' 30K over, and 1532 30K over.
9/25/2013 13:00	9/25/2013 14:00	1	INT-TRIP	TOOH	TRIP	POOH with BHA change out mud motor, Had 1/2" play, MWD, and Bit,
9/25/2013 14:00	9/25/2013 15:30	1.5	INT-TRIP	TOOH	TRIP	Pull wear bushing and inspect same. No wear, reinstalled. Clean Rig Floor.
9/25/2013 15:30	9/25/2013 16:00	0.5	INT-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Rig Service - Top Drive, Blocks, Drawworks, drgchain, TM-80, 3 holed bakes.
9/25/2013 16:00	9/25/2013 18:30	2.5	PROD1	SHARE	BHA	PU Intermediate BHA #2. Scribe motor and Test same. MU Bit. MU Monel and TIH w/ 8" Collars.
9/25/2013 18:30	9/25/2013 20:30	2	INT-TRIP IN HOLE	TRIP IN HOLE	TIH	TIH to 1675' and hit tight spot. Washed and Reamed F/ 1675' T/ 2400'.
9/25/2013 20:30	9/25/2013 22:30	2	INT-TRIP IN HOLE	TRIP IN HOLE	TIH	Trip in Hole F/ 2400' T/ 5181'. Filling pipe every 20 stands.
9/25/2013 22:30	9/26/2013 00:00	1.5	INT-W&R	WASH & REAM	WASH_R EAM	Wash and Ream F/ 5181' T/ 5386'. Shakers loaded up w/ cutting.
9/26/2013 00:00	9/26/2013 02:00	2	UNPLANNED	Rig Repair (NON-CODE 8, Replacing Pump Expendables)	U_RIG_O TR	Change out Swab and Liner on #1 Pod, #1 Pump.
9/26/2013 02:00	9/26/2013 03:15	1.25	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide drill 31', 25 fph, 180 spm, 800 gpm, 15-18k wob, 136 m rpm, @ HS.
9/26/2013 03:15	9/26/2013 06:00	2.75	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate drill 236' @ 86fph. 190 SPM, 800 GPM, 27K WOB, 700 diff.

Report #: 11 Daily Operation: 9/26/2013 06:00 - 9/27/2013 06:00

Job Category ORIG DRILLING				Primary Job Type ODR		AFE Number 027781
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	
32	9	6,713.0	6,701.7	8.70	NABORS DRILLING, M58	

Operations Summary

Slide and Rotate Drill F/ 5653' T/ 6735'

Remarks

Nabors M-58 Released F/ University 2-6 3H to 1H @ 23:30hrs.
Accepted Rig @ 16:30hrs 9-20-13
Surface Section: 1.98 days.
Intermediate section - since rig accepted: 6.56 days, Since Drill Out - 5.45 Days.

Rig NPT: 0 hours for previous 24 hours. 14.75 hours for month of September.

Completion percentage: Surface: 100% | Intermediate: 90%

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/26/2013 06:00	9/26/2013 08:30	2.5	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide drill 40' =16' fph wob-10 mmrpm-181, gpm-756, diff-550/700, 60 left

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/26/2013 08:30	9/26/2013 09:00	0.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate drill 55' rpm-100/291, wob-20, gpm-798, torque 6/10 K Average diff. pressure is 500-650 psi, but spiking up to 800+psi.
9/26/2013 09:00	9/26/2013 11:00	2	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide drill 40', 20' fph gpm-298, mmrpm-191, 13 wob, 30 left
9/26/2013 11:00	9/26/2013 13:00	2	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate Drill 244'= 122' fph, wob-33, rpm-100,/291, gpm-798,
9/26/2013 13:00	9/26/2013 14:30	1.5	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide drill- 50'= 33.3 fph, rpm-191, gpm-798 diff- 550, wob-10, 30 Right
9/26/2013 14:30	9/26/2013 15:00	0.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate Drill 46'= 92' fph wob-25, rpm-100/291, gpm-798, diff-414
9/26/2013 15:00	9/26/2013 15:30	0.5	INT-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Rig Service - Top Drive, Blocks, Drawworks, drgchain, TM-80, 3 holed bakes.
9/26/2013 15:30	9/26/2013 17:00	1.5	UNPLANNED	Rig-related problems (BOPE, etc)	U_RIG	Change pump #1 expendables. Had to replace 1 suction seat in Pod #2. 1 discharge seat Pod #3. 2 Suction Valves Pods 1 & 2, and 1 Discharge Valve in Pod #3.
9/26/2013 17:00	9/26/2013 18:30	1.5	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide drill 49', 33 fph, 180 spm, 800 gpm, 20k wob, 350 diff, 136 m rpm, @ HS. Control Drilling - Could not hold tool face w/ a diff greater than 350psi.
9/26/2013 18:30	9/26/2013 20:00	1.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate drill 139' @ 93fph. 190 SPM, 800 GPM, 29K WOB, 600 diff, 80 TD rpm. While rotating, inclination has a tendency to drop, causing more slide time. Reduced TD RPM's in attempt to help in holding inclination.
9/26/2013 20:00	9/26/2013 20:30	0.5	INT-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Rig Service - Top Drive- Add 5 gallons of Hydraulic oil to TD. Blocks, Drawworks, drgchain, TM-80, 3 holed bakes.
9/26/2013 20:30	9/26/2013 22:00	1.5	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide drill 30', 20 fph, 180 spm, 800 gpm, 19k wob, 350 diff, 136 m rpm, @ 45L. Control Drilling - Could not hold tool face w/ a diff greater than 350psi.
9/26/2013 22:00	9/26/2013 22:45	0.75	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate drill 64' @ 85fph. 180 SPM, 756 GPM, 27K WOB, 650 diff, 90 TD rpm. Slowed pump rate F/ 800gpm to 760gpm due to pressure spiking over Max working pressure of 3950psi.
9/26/2013 22:45	9/27/2013 00:45	2	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide drill 57', 29 fph, 180 spm, 756 gpm, 18k wob, 350-400 diff, 136 m rpm, @ 45L. Control Drilling - w/ 350 to 400 Diff pressure to maintain Tool Face. Had trouble w/ pressure spikeing over max working pressure and killing mud pumps.
9/27/2013 00:45	9/27/2013 02:15	1.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate drill 133' @ 155 fph. 180 SPM, 756 GPM, 30K WOB, 550-650 diff, 90 TD rpm. Average diff. pressure is 550-650 psi, but spiking up to 800+psi.
9/27/2013 02:15	9/27/2013 03:30	1.25	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide drill 40', 32 fph, 180 spm, 756 gpm, 20k wob, 350 diff, 136 m rpm, @ 45L. Control Drilling - w/ 350 Diff pressure to maintain Tool Face.
9/27/2013 03:30	9/27/2013 04:30	1	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate drill 60' @ 60 fph. 180 SPM, 756 GPM, 30K WOB, 650 diff, 90 TD rpm. Average diff. pressure is 550-650 psi, but spiking up to 800+psi.
9/27/2013 04:30	9/27/2013 06:00	1.5	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide drill 35', 23 fph, 180 spm, 756 gpm, 21k wob, 350 diff, 136 m rpm, @ 45L. Control Drilling - w/ 350 Diff pressure to maintain Tool Face.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Report #: 12 Daily Operation: 9/27/2013 06:00 - 9/28/2013 06:00

Job Category ORIG DRILLING				Primary Job Type ODR		AFE Number 027781
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	
33	10	7,228.0	7,214.7	8.75	NABORS DRILLING, M58	

Operations Summary

Slide and Rotate Drill F/ 6735' T/ 7250'. Decision was made to POOH for new BHA due to ROP. Circulate and Condition Hole. TOO H F/ 7250' T/ BHA. LD MWD tools, motor and bit.

Remarks

Nabors M-58 Released F/ University 2-6 3H to 1H @ 23:30hrs.
Accepted Rig @ 16:30hrs 9-20-13
Surface Section: 1.98 days.
Intermediate section - since rig accepted: 7.56 days, Since Drill Out - 6.45 Days.

Rig NPT: 0 hours for previous 24 hours. 14.75 hours for month of September.

Completion percentage: Surface: 100% | Intermediate: 98%

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/27/2013 06:00	9/27/2013 06:30	0.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate Drill 54' =108' fph wob-33, rpm-90/135, gpm-798, diff-649 torque- 7/8 K
9/27/2013 06:30	9/27/2013 08:30	2	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide drill 50'= 25' fph, wob-20, rpm-135, gpm-798, diff- 364, H S
9/27/2013 08:30	9/27/2013 09:00	0.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate Drill 45'= 90' fph wob-34, rpm-90/135, gpm-798, diff-400
9/27/2013 09:00	9/27/2013 10:00	1	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide Drill 20' = 20' fph- 30 Right, wob-17, rpm-128, diff-161, gpm-756
9/27/2013 10:00	9/27/2013 12:00	2	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate Drill 169'= 84.5' fph wob-26, rpm-90/128, gpm-756, diff-164 psi-3151, torq.-10215
9/27/2013 12:00	9/27/2013 13:30	1.5	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide Drill 15'= 10'fph 30 left wob-25, rpm-128, gpm-756, diff -345 psi-3145
9/27/2013 13:30	9/27/2013 15:00	1.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate Drill 79'= 52.6 gpm-756, rpm-90/128, wob-35 psi-3211 torque-6208, diff-364
9/27/2013 15:00	9/27/2013 16:30	1.5	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide Drill 25'= 17'fph 30 right wob-20, m rpm-128, gpm-756, diff-300 psi-3150
9/27/2013 16:30	9/27/2013 19:30	3	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate Drill 58' @ 19 fph gpm-756, rpm-90/128, wob-41k psi -3211 torque-6208, diff-100 to350 psi. Instantaneous ROP slowed to 5-6 fph w/ 41k on bit w/ 100 diff. Decision was made to POOH for new BHA.
9/27/2013 19:30	9/27/2013 22:00	2.5	INT-CIRC	CIRCULATE	CIRC	Circulate and Condition Hole - Pumped 20 bbl High Vis sweep, Surface to Surface + 1 BU. Shaker clean.
9/27/2013 22:00	9/28/2013 04:30	6.5	INT-TRIP	TOOH	TRIP	POOH F/ 7250' T/ BHA'. Observed tight hole off btm, pulling 20 - 30K over @ 6880', 6750', and 6690'. Was able to worked through problem areas W/O pumps. Pulled tight and had to wash and ream F/ 1800' to 1700'. Hole taking proper fill on trip out.
9/28/2013 04:30	9/28/2013 05:15	0.75	PROD1	SHARE	BHA	POOH w/ BHA #3. Rack back HWDP and Jar's. Observed mud spraying from crack and washout in tool jnt on stand #6 of HWDP below Jar's. The crack is about 4" down from break and is 2/3 of the way around tool jnt. This may explains the performance of this BHA and pressure swing.
9/28/2013 05:15	9/28/2013 05:45	0.5	INT-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Rig Service - Had to replace tong line after it broke trying to break out XO from HWDP to 8" Collars.
9/28/2013 05:45	9/28/2013 06:00	0.25	PROD1	SHARE	BHA	Rack back last stand of HWDP and 8" Collars. Lay out MWD tools, Monel and Drain Motor.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Report #: 13 Daily Operation: 9/28/2013 06:00 - 9/29/2013 06:00

Job Category ORIG DRILLING				Primary Job Type ODR			AFE Number 027781	
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig			
34	11	7,343.0	7,329.3	8.75	NABORS DRILLING, M58			

Operations Summary

Finish L/D BHA #3. Pull, inspect and reinstall wear bushing. PU/MU Intermediate BHA #4. TIH filling pipe every 20 stands. Rotate Drill 110' F/ 7250 T/ 7365'. Circulate and Condition Hole. POOH F/ 7365' T/ BHA. LD BHA #4. Pull Wear Bushing.

Remarks

Nabors M-58 Released F/ University 2-6 3H to 1H @ 23:30hrs.
Accepted Rig @ 16:30hrs 9-20-13
Surface Section: 1.98 days.
Intermediate section - since rig accepted: 8.56 days, Since Drill Out - 7.45 Days.

Rig NPT: 0 hours for previous 24 hours. 14.75 hours for month of September.

Completion percentage: Surface: 100% | Intermediate: 100%

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/28/2013 06:00	9/28/2013 08:45	2.75	INT-TRIP	TOOH	TRIP	L/D motor and bit , pick up new motor & installed MWD tool & scribe and test ok
9/28/2013 08:45	9/28/2013 09:15	0.5	INT-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Service rig, & top drive blocks, drworks, drgchain. tm-80, 3 holed brakes
9/28/2013 09:15	9/28/2013 09:45	0.5	SURF-TIH	TRIP IN HOLE	TIH	pulled and inspected wear bushing no excessive wear reinstalled
9/28/2013 09:45	9/28/2013 11:30	1.75	UNPLANNED	Other - Anything not listed above	U_OTR	change and replaced pump expendables pod #2 discharge seat, and vavle, pod 1 suction vavle,pod #3 discharge valve & cleaned suction manifold
9/28/2013 11:30	9/28/2013 12:30	1	INT-TRIP	TOOH	TRIP	M/U bit and installed Baffle plate & finished picking up BHA
9/28/2013 12:30	9/28/2013 17:30	5	INT-TRIP IN HOLE	TRIP IN HOLE	TIH	Trip in hole filling pipe every 20 stds and cir bottoms up at 3107' and 5277'. TIH to 7170'.
9/28/2013 17:30	9/28/2013 19:00	1.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Wash and Ream to btm F/ 7170' T/ 7250'.
9/28/2013 19:00	9/28/2013 20:00	1	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate Drill 115' @ 73 fph gpm-672, rpm-60/114, wob-20k psi-3200 torque-13K, diff 300 to550 psi. TD Intermediate Section - 7365' @ 20:00hrs.
9/28/2013 20:00	9/28/2013 22:30	2.5	INT-CIRC	CIRCULATE	CIRC	Circulate and Condition Hole - Pumped 2- 30 bbl High Vis Sweep surface to surface. Shakers clean after second one to surface.
9/28/2013 22:30	9/29/2013 02:00	3.5	INT-TRIP	TOOH	TRIP	POOH F/ 7365' T/ BHA. Free and Clear off btm. Pulled tight @ 1500'. Worked through area with no problems.
9/29/2013 02:00	9/29/2013 05:00	3	INT-TRIP	TOOH	TRIP	BHA - LD HWDP, 8" Collars (singles), MWD tools, Drain motor, and Bit.
9/29/2013 05:00	9/29/2013 05:30	0.5	INT-TRIP	TOOH	TRIP	Pull wear bushing, Clean Floor for Csg run.
9/29/2013 05:30	9/29/2013 06:00	0.5	INT-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Rig Service - Top Drive, check and 3 hole brakes. Change out bells and Elevators for Csg.

Report #: 14 Daily Operation: 9/29/2013 06:00 - 9/30/2013 06:00

Job Category ORIG DRILLING				Primary Job Type ODR			AFE Number 027781	
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig			
35	12	7,343.0	7,329.3	8.75	NABORS DRILLING, M58			

Operations Summary

RU Express Csg Crew and Equipment. Held Safety meeting w/ all personell. RIH w/ 158jnts of 9 5/8" Csg. PU Hanger and Landing joint.Verify Csg Landed @ 7250' KB. Circulate and Condition. RU Schlumberger Cement Equipment.

Remarks

Nabors M-58 Released F/ University 2-6 3H to 1H @ 23:30hrs.
Accepted Rig @ 16:30hrs 9-20-13
Surface Section: 1.98 days.
Days Drilling Intermediate to TD - 7.03 Days
Intermediate section - since rig accepted: 8.56 days, Since Drill Out - 7.45 Days.

Rig NPT: 0 hours for previous 24 hours. 14.75 hours for month of September.

Completion percentage: Surface: 100% | Intermediate: 100%

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/29/2013 06:00	9/29/2013 06:30	0.5	INT-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Service top drive & blocks, drworks, drgchain, 3 holed brakes
9/29/2013 06:30	9/29/2013 07:30	1	INT-CASE	RUN INTERMEDIATE CASE	CASE	Rig down rig bales and elevators, an installed casing bales an elevators
9/29/2013 07:30	9/29/2013 09:45	2.25	INT-CASE	RUN INTERMEDIATE CASE	CASE	Rig up express casing crew and equipment
9/29/2013 09:45	9/29/2013 12:15	2.5	INT-CASE	RUN INTERMEDIATE CASE	CASE	p/u & m/u Float shoe 2 jts 9 5/8 43.5# L-80 IC LT& C Float collar and 1 jt casing and pump 12 bbls thru shoe track
9/29/2013 12:15	9/30/2013 03:15	15	INT-CASE	RUN INTERMEDIATE CASE	CASE	Running 9 5/8 casing 43.5 # LT&C L-80 and rig up power tongs to change out one bad collar and lay one bad jt down due to threads crossed @ 963.88'. Continue RIH w/ 9 5/8" Csg using power tongs. F/ 963.88' T/ 7320.56'. Circulated BU @ 2028', 4100', 6100'. with full returns while going in hole and circulating
9/30/2013 03:15	9/30/2013 04:00	0.75	INT-CASE	RUN INTERMEDIATE CASE	CASE	PU landing jnt and hanger. Land hanger in Csg head and Verify. Shoe @ 7350' Float Collar @ 7256.13' 17 - Centralizers. 33 jnts of 43.50lb/ft 13 centralizers 1 every 3rd jt 51 jnts of 40.00lb/ft Ryt Wrapped 17 centralizers 1 every 3 rd jt 72 jnts of 40.00lb/ft slick 1- Pup jnt 1- jt of 40 lb/ft slick casing 1 hanger jt
9/30/2013 04:00	9/30/2013 06:00	2	INT-CIRC	CIRCULATE	CIRC	Circulate and Condition Hole with full returns for Cement @ 250gpm, RD Express tools and rigging up cement equipment.

Report #: 15 Daily Operation: 9/30/2013 06:00 - 10/1/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027781	
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig		
36	13	7,343.0	7,329.3	8.75	NABORS DRILLING, M58		

Operations Summary

Circulate and Condition Csg on btm. RD CRT tool and Express Equipment. RU Schlumberger Cement Equipment. Held Pre-job safety meeting w/ all personell. Pressure test pumps and lines. Pumped 45 bbls of Mud push, 306 bbls of Lead Cement, 47.8 bbls of Tail, and Displaced w/ 533 bbls of OBM. Had full returns throughout job. RD Cement Equipment. Set Packoff and test same to 5000psi, Test good. Cleaning Mud System, RD all Back yard to switch to RU Bos Solutions OBM equipment. Replacing Rotary Manifold on Top Drive.

Remarks

Nabors M-58 Released F/ University 2-6 3H to 1H @ 23:30hrs.
Accepted Rig @ 16:30hrs 9-20-13
Surface Section: 1.98 days.
Days Drilling Intermediate to TD - 7.03 Days
Intermediate section - since rig accepted: 9.56 days, Since Drill Out - 8.45 Days.

Rig NPT: 0 hours for previous 24 hours. 14.75 hours for month of September.

Completion percentage: Surface: 100% | Intermediate: 100%

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/30/2013 06:00	9/30/2013 09:30	3.5	INT-CIRC	CIRCULATE	CIRC	Circulate and cond & work pipe while waiting on hoses from schlumberger to arrive
9/30/2013 09:30	9/30/2013 09:45	0.25	PLAN	DRLG	CMPRI	Rig down CRT tool
9/30/2013 09:45	9/30/2013 10:00	0.25	PLAN	PERS	SFTY	Pre job safety meeting with schlumberger hands & rig crew, mud eng, well head hands, & pioneer hands
9/30/2013 10:00	9/30/2013 11:00	1	PLAN	DRLG	CMPRI	Load plugs with pioneer hand witness & rig up cement head & lines and test to 4500 psi

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/30/2013 11:00	9/30/2013 14:45	3.75	INT-CMT	CEMENT INTERMEDIATE CSG	CMT	Drop bottom plug and pumped 45 bbls of Mud push Express @ 9.5 1.20 lb/bbl BW/V Spacer, anti-foam, 0.200 gal/bbl of spacer, Surfactant B220 , 0.250 gal/bbl of spacer, Weighting agent 1533.1 lb/mgal pump rate @4.5 bbls/min Lead cement 733 sks 306.4 bbls @ 9.70 lb/gal, yeild 2.35 ft 3/sk, mix water 8.091 gal/sk, Mix fuild 8.091 gal/sk,pumped @ 6.1 bbls/min. Tail cement 247 sks 47.8 bbls @ 16.40 lb/gal, yeild 1.09 ft 3/sk, mix water 4.556 gal/sk, mix fuild 4.556 gal/sk,pumped @4.4/2.7 bbls/min Drop bottom plug witness by company man pumped 532.9 bbls of oil base mud @9.7 lb/gal @7.9/4.3 bpm bumped plug 500 psi went to 959 psi held for 5 mins floats holding released psi flowed back 2.3 bbls. Lift pressures - 100bbls @ 478psi. 200bbls @ 470psi, 300bbls @ 454, 400 bbls 462psi, 500 455psi, 525bbls @ 506psi, 530 bbls @ 829, Bumped plug at 533bbls @ 530psi. Bump plug to 950psi. Had 100% returns throughout job.
9/30/2013 14:45	9/30/2013 16:15	1.5	PLAN	DRLG	CMTPRI	Rig down cementers head and lines & rig down elevators & plate
9/30/2013 16:15	9/30/2013 17:00	0.75	PLAN	EQUIP	WLHEAD	Set pack off and test pack off @5000 psi and tested good
9/30/2013 17:00	10/1/2013 00:00	7	INT-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Cleaning Mud System to swap over to OBM. Went through mud pumps, and replaced all worn parts. Servicing top drive changing out rotary manifold.
10/1/2013 00:00	10/1/2013 06:00	6	PROD1	SHARE	RIGSER	Rig down shaker troph and RU Slides. RD dump line from shakers to reserve pit. Re arrange back yard to make room for BOS Solutions Equipment. Finishing up on Rotary Manifold. Continued to clean mud pits.

Report #: 16 Daily Operation: 10/1/2013 06:00 - 10/2/2013 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 027781
Days From Spud (days) 37	Days on Location (days) 14	End Depth (ftGRD) 7,343.0
End Depth (TVD) (ftGRD) 7,329.3	Dens Last Mud (lb/gal) 9.45	Rig NABORS DRILLING, M58

Operations Summary

Replace Pump expendable parts and Swivel packing in Top Drive. Install shaker screens, bails, elevators, and set BOS equipment in place in Backyard. Cut Drill line - 11.5 wraps, 77ft. Wash pipe leaking while attempting to get csg tested, Rebuild and Replace. Pressure test Csg to 2500 psi, held for 30 mins. Test good. PU/MU BHA #5 (Curve and Lateral Assembly) and Scribe and Test same. TIH on 5" DP, tagged cement @ 7253'. Circulate and Condition Mud to 9.3 ppg in/out.

Remarks

Nabors M-58 Released F/ University 2-6 3H to 1H @ 23:30hrs.
Accepted Rig @ 16:30hrs 9-20-13
Surface Section: 1.98 days.
Days Drilling Intermediate to TD - 7.03 Days
Intermediate section - since rig accepted: 10.31 days, Since Drill Out - 9..2 Days.
Curve and Lateral Section - 6hrs

Rig NPT: 0 hours for previous 24 hours. 14.75 hours for month of September.

Completion percentage: Surface: 100% | Intermediate: 100% Curve and Lateral: 00%

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/1/2013 06:00	10/1/2013 08:30	2.5	PROD1	WORK	RURD	Replacing expendables parts in pump change 1 liner, 3 seats, and valves While Cleaning pits.
10/1/2013 08:30	10/1/2013 09:00	0.5	PROD1	WORK	RURD	Replacing expendable swivel packing in top drive.
10/1/2013 09:00	10/1/2013 11:30	2.5	PROD1	SHARE	RURDRT	Working as directed by operator install shaker screen ,bales, and elevators and help set bos in back yard and run line to transfer oilbase mud to tank
10/1/2013 11:30	10/1/2013 12:30	1	PROD1	SHARE	CUTDL	Cut drill line 11.5 wraps 77.0 ft

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/1/2013 12:30	10/1/2013 18:00	5.5	PROD1	WORK	RURD	Working as directed moving and resetting crossovers and rigging up BOS Solutions (Solids control equipment), including Cuttings tank, Control boards, 2 Centerfuge's, Main tank, Gen house, Grinder and pumps. Replace shaker slide extentions and drive overs.
10/1/2013 18:00	10/1/2013 23:30	5.5	UNPLANNED	Rig-related problems (BOPE, etc)	U_RIG	While trying to pressure test csg, BlackJack (Wash Pipe) on top drive leaking. Rebuilt and Replaced several times w/ no luck. Had to use serveral parts to make up one good Wash pipe.
10/1/2013 23:30	10/2/2013 00:00	0.5	INT-TST CSG/DO/FIT	TEST CSG/DRILL OUT/FIT	TEST CSG/DRI LL OUT/FIT	Pressure Test Csg to 2500psi. Held for 30 minutes. Test good.
10/2/2013 00:00	10/2/2013 01:30	1.5	PROD1	SHARE	BHA	PU/MU Curve and Lateral BHA #5. Scribe tools, Test MWD, and Make up bit.
10/2/2013 01:30	10/2/2013 05:30	4	INT-TRIP IN HOLE	TRIP IN HOLE	TIH	TIH w/ DP. Tagged cement @ 7253'. Filling every 30 stands.
10/2/2013 05:30	10/2/2013 06:00	0.5	INT-CIRC	CIRCULATE	CIRC	Circulate and Condtion Mud to 9.3 ppg in/out.

Report #: 17 Daily Operation: 10/2/2013 06:00 - 10/3/2013 06:00

Job Category ORIG DRILLING				Primary Job Type ODR			AFE Number 027781	
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig			
38	15	8,047.0	7,997.0	9.40	NABORS DRILLING, M58			

Operations Summary

Circulate and Condition to reduce MW to 9.3ppg. Tagged cement @ 7250'. Drill out cement and Shoe Track F/ 7250' T/ 7365', and 10' of new formation T/ 7375'. Performed FIT w/ 9.3ppg OBM, to 845psi (11.5 EMW). Pressure bled off to 710psi (11.1ppg EMW). Slide and Rotate drill F/ 7375' T/ 8069'. Kicked off for Curve Section @ 7659'.

Remarks

Nabors M-58 Released F/ University 2-6 3H to 1H @ 23:30hrs.
Accepted Rig @ 16:30hrs 9-20-13
Surface Section: 1.98 days.
Days Drilling Intermediate to TD - 7.03 Days
Intermediate section - since rig accepted: 10.31 days, Since Drill Out - 9..2 Days.
Curve and Lateral Section - 1.25 days

Rig NPT: 0 hours for previous 24 hours. 14.75 hours for month of September.

Completion percentage: Surface: 100% | Intermediate: 100% Curve: 60%
61' Ahead and .6' Right

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/2/2013 06:00	10/2/2013 06:30	0.5	PROD-CIRC	CIRCULATE	CIRC	Circulate and cond and reduce mud wt. Tag cement @7250
10/2/2013 06:30	10/2/2013 08:30	2	PLAN	DRLG	DRLCMT	Rotate drill cement ,float collar, shoe track & float shoe F7252 T 7365
10/2/2013 08:30	10/2/2013 09:00	0.5	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rotate Drill 10' - 20'fph 10-wob, rpm-40, gpm-400, diff 100,
10/2/2013 09:00	10/2/2013 11:00	2	PROD-CIRC	CIRCULATE	CIRC	Circulate and cond bottom up and lower mud wt. to 9.3 for FIT test
10/2/2013 11:00	10/2/2013 11:30	0.5	INT-TST CSG/DO/FIT	TEST CSG/DRILL OUT/FIT	TEST CSG/DRI LL OUT/FIT	Preformed FIT test to 11.5 mud wt. with 9.3 mud in hole 845 psi bled off to 710 psi in 30 for a mud wt. 11.1 ppg equivalent.
10/2/2013 11:30	10/2/2013 12:30	1	PROD-DRILL TANGENT	DRILL PROD TANGENT-ROTATE	DRL-ROT	Rotate Drill 25'- 25' fph rpm -50/201, gpm-405 ,diff-250, torq-6600
10/2/2013 12:30	10/2/2013 13:30	1	INT-DRILL-TAN	DRILL INT TANGENT-SLIDE	DRL-SLIDE	Slide Drill 30'-30'fph, rpm-252, gpm-504, diff-300, 120 Right
10/2/2013 13:30	10/2/2013 14:00	0.5	INT-DRILL-TAN	DRILL INT TANGENT-ROTATE	DRL-ROT	Rotate Drill 39'=78'fph wob-12, rpm-50/252, gpm-504, diff-300, trq-7800
10/2/2013 14:00	10/2/2013 15:00	1	INT-DRILL-TAN	DRILL INT TANGENT-SLIDE	DRL-SLIDE	Slide Drill 30' =30'fph, wob-8,rpm 252 gpm-504, diff275/300, 120 Right

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/2/2013 15:00	10/2/2013 15:45	0.75	PROD-DRILL TANGENT	DRILL PROD TANGENT-ROTATE	DRL-ROT	Rotate Drill 65'-86.6' fph, wob-12, rpm-60/252, gpm-504, diff-550, trq-7800,
10/2/2013 15:45	10/2/2013 16:15	0.5	PROD-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Service rig top drive, blocks, drgchain, drworks, tm-80, 3 holed brakes,
10/2/2013 16:15	10/2/2013 17:15	1	PROD-DRILL TANGENT	DRILL PROD TANGENT-SLIDE	DRL-SLIDE	Slide drill 30'-30'fph wob-10, mmrpm-252, gpm-504, diff-250, 70Right
10/2/2013 17:15	10/2/2013 18:00	0.75	PROD-DRILL TANGENT	DRILL PROD TANGENT-ROTATE	DRL-ROT	Rotate drill 65'-86.6' fph wob-13, rpm-60/252, gpm-504, diff-550, trq-7850
10/2/2013 18:00	10/2/2013 18:45	0.75	PROD-DRILL TANGENT	DRILL PROD TANGENT-SLIDE	DRL-SLIDE	Slide drill 24'-32'fph wob-12, mmrpm-252, gpm-504, diff-350, 45Right
10/2/2013 18:45	10/2/2013 19:15	0.5	INT-DRILL-TAN	DRILL INT TANGENT-ROTATE	DRL-ROT	Rotate drill 39'-78' fph wob-18, rpm-60/252, gpm-504, diff-550, trq-8000
10/2/2013 19:15	10/2/2013 20:30	1.25	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide drill 46'-37'fph wob-12, mmrpm-252, gpm-504, diff-300, @ HS
10/2/2013 20:30	10/2/2013 21:00	0.5	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rotate drill 20'-40' fph wob-18, rpm-60/252, gpm-504, diff-480, trq-8000
10/2/2013 21:00	10/3/2013 00:45	3.75	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide drill 120'-32'fph wob-10, mmrpm-252, gpm-504, diff-300, @ 20-90 Right
10/3/2013 00:45	10/3/2013 01:00	0.25	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rotate drill 4'-16' fph wob-15, rpm-60/252, gpm-504, diff-550, trq-8000
10/3/2013 01:00	10/3/2013 02:00	1	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide drill 20'-20'fph wob-8, mmrpm-252, gpm-504, diff-350, @ 90 Right
10/3/2013 02:00	10/3/2013 02:15	0.25	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rotate drill 10'-40' fph wob-15, rpm-60/252, gpm-504, diff-500, trq-8000
10/3/2013 02:15	10/3/2013 02:45	0.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide drill 20'-40'fph wob-9, mmrpm-252, gpm-504, diff-325, @ 20 Right
10/3/2013 02:45	10/3/2013 03:00	0.25	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rotate drill 11'-44' fph wob-15, rpm-60/252, gpm-504, diff-525, trq-8000
10/3/2013 03:00	10/3/2013 03:30	0.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide drill 17'-34'fph wob-9, mmrpm-252, gpm-504, diff-175, @ HS
10/3/2013 03:30	10/3/2013 03:45	0.25	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rotate drill 15'-60' fph wob-16, rpm-60/252, gpm-504, diff-525, trq-8000
10/3/2013 03:45	10/3/2013 04:15	0.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide drill 17'-34'fph wob 10, mmrpm-252, gpm-504, diff-325, @ HS
10/3/2013 04:15	10/3/2013 05:00	0.75	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rotate drill 15'-60' fph wob-19, rpm-60/252, gpm-504, diff-550, trq-8000 Waiting on MWD Pulse Tool to Update Survey.
10/3/2013 05:00	10/3/2013 06:00	1	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide drill 31'-31'fph wob 11, mmrpm-252, gpm-504, diff-250, @ HS

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Report #: 18 Daily Operation: 10/3/2013 06:00 - 10/4/2013 06:00

Job Category ORIG DRILLING				Primary Job Type ODR		AFE Number 027781
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	
39	16	8,768.0	8,271.0	9.30	NABORS DRILLING, M58	

Operations Summary

Slide & rotate drill from 8,069' to 8,226'. Serviced rig. Slide & rotate drill from 8,226' to 8790'. Pumping sweeps every other connection.

Remarks

Nabors M-58 Released F/ University 2-6 3H to 1H @ 23:30hrs.

Accepted Rig @ 16:30hrs 9-20-13

Surface Section: 1.98 days.

Days Drilling Intermediate to TD - 7.03 Days

Intermediate section - since rig accepted: 10.31 days, Since Drill Out - 9.2 Days.

Curve and Lateral Section - 2.25 days

Rig NPT: 0 hours for previous 24 hours. 14.75 hours for month of September.

Completion percentage: Surface: 100% | Intermediate: 100%; Curve: 100% ; Lateral: 2.1%
2.6 low and 11.3' Left

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/3/2013 06:00	10/3/2013 06:30	0.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide drill 17', rop 34 fph, wob-8, mmrpm-252, gpm-504, diff-100, 20 Right
10/3/2013 06:30	10/3/2013 07:00	0.5	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rotary drill 15', avrop 30 fph, 504 gpm, 60 rpm, 312 rpm, 12k WOB, diff 100 psi, tq 1500.
10/3/2013 07:00	10/3/2013 07:30	0.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide Drill 17'-34'fph, rpm-252, gpm-504, diff-300, 20 Right
10/3/2013 07:30	10/3/2013 08:00	0.5	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rotate drill 14'-28' fph wob-15, rpm-60/252, gpm-504, diff-480, trq-6800
10/3/2013 08:00	10/3/2013 13:30	5.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide drill 94', 17 fph, rpm 252, 504 gpm, 250 diff, 20 R.
10/3/2013 13:30	10/3/2013 14:00	0.5	PROD-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Serviced top drive, blocks, drawworks, drgchain, TM-80 and 3 holed brakes.
10/3/2013 14:00	10/3/2013 15:30	1.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide drill 31', 20.6 fph, rpm 252, 504 gpm, 300 diff, 30 R.
10/3/2013 15:30	10/3/2013 16:00	0.5	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rotate drill 6' @ 12.0 fph, wob-10, rpm-30/240, gpm-479, diff-400, trq-8800
10/3/2013 16:00	10/3/2013 17:30	1.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide drill 32', 21.3 fph, rpm 250, 479 gpm, 300 diff, 20 L.
10/3/2013 17:30	10/3/2013 18:00	0.5	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rotate drill 25' @ 50.0 fph, wob-10, rpm-30/240, gpm-479, diff-400, trq-8800
10/3/2013 18:00	10/3/2013 21:30	3.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide drill 94', 26.8 fph, HS, 15 wob, 240 diff, 480 gpm.
10/3/2013 21:30	10/3/2013 22:00	0.5	PROD-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Serviced rig: greased: blocks, drawworks couplings, greased top drive, TM-80 and 3 holed brakes. Added oil to top drive.
10/3/2013 22:00	10/4/2013 03:30	5.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide drill 170', 30.9 fph, HS, 15 wob, 225 diff, 480 gpm.
10/4/2013 03:30	10/4/2013 04:45	1.25	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate drill 113' @ 90.4 fph, wob-20, rpm-80/252, gpm-504, diff-420, trq-10,000
10/4/2013 04:45	10/4/2013 05:15	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 15', 30.0 fph, 45L, 15 wob, 165 diff, 504 gpm.
10/4/2013 05:15	10/4/2013 06:00	0.75	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate drill 78' @ 104.0 fph, wob-20, rpm-80/252, gpm-504, diff-420, trq-10,000

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Report #: 19 Daily Operation: 10/4/2013 06:00 - 10/5/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR		AFE Number 027781
Days From Spud (days) 40	Days on Location (days) 17	End Depth (ftGRD) 10,981.0	End Depth (TVD) (ftGRD) 8,274.9	Dens Last Mud (lb/gal) 9.35	Rig NABORS DRILLING, M58

Operations Summary
Slide & Rotary drill f/8,790' to 9,359'. Service rig. Roatary & slide drill f/ 9,359' t/10,871'. Service rig. Pumping sweeps every other connection. Rotate & slide drill f/ 10,871' to 11,003'.

Remarks
Nabors M-58 Released F/ University 2-6 3H to 1H @ 23:30hrs.
Accepted Rig @ 16:30hrs 9-20-13
Surface Section: 1.98 days.
Days Drilling Intermediate to TD - 7.03 Days
Intermediate section - since rig accepted: 10.31 days, Since Drill Out - 9..2 Days.
Curve and Lateral Section - 3.25 days

Rig NPT: 0 hours for previous 24 hours. 14.75 hours for month of September.

Completion percentage: Surface: 100% | Intermediate: 100%; Curve: 100% ; Lateral: 25%
8.8 high and 10.7' right.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/4/2013 06:00	10/4/2013 08:00	2	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 189', avrop 94.5 fph, 504 gpm, 100/252rpm, 22k WOB, diff 550 psi, tq 9122.
10/4/2013 08:00	10/4/2013 08:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 15'. 30 fph, 504 gpm, 252 rpm, 250 diff, 14k WOB, 45R.
10/4/2013 08:30	10/4/2013 09:30	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotaty drill 80', AvROP 80 fph, 504 gpm, 110/252 rpm, 550 diff, 22k WOB, 2215 tq.
10/4/2013 09:30	10/4/2013 10:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 26'. 52 fph, 504 gpm, 252 rpm, 275 diff, 15k WOB, 45R.
10/4/2013 10:00	10/4/2013 12:15	2.25	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 259', 115.1 fph, 504 gpm, 110/252 rpm, 550 diff, 22k WOB.
10/4/2013 12:15	10/4/2013 12:45	0.5	PROD-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Rig service- serviced top drive, blocks, dragchain, drawworks, TM-80, and 3 holed brakes.
10/4/2013 12:45	10/4/2013 15:30	2.75	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 283', 102.9 fph, 504 gpm, 110/252 rpm, 600 diff, 23 k WOB
10/4/2013 15:30	10/4/2013 16:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 15'. 30.0 fph, 45R, 504 gpm, 252 mrpm, 250 diff, 18k WOB.
10/4/2013 16:00	10/4/2013 18:00	2	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 278', 139.0 fph, 504 gpm, 110/252 rpm, 600 diff, 23 k WOB
10/4/2013 18:00	10/4/2013 19:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 10'. 20.0 fph, 45R, 504 gpm, 252 mrpm, 165 diff, 16 k WOB.
10/4/2013 19:00	10/4/2013 20:30	1.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 185', 123.3 fph, 504 gpm, 110/252 rpm, 625 diff, 20 k WOB
10/4/2013 20:30	10/4/2013 21:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 15'. 30.0 fph, 45R, 504 gpm, 252 mrpm, 180 diff, 16 k WOB.
10/4/2013 21:00	10/4/2013 22:00	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 65', 65.0 fph, 504 gpm, 110/252 mrpm, 620 diff, 20 k WOB
10/4/2013 22:00	10/4/2013 22:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 15'. 30.0 fph, 30R, 504 gpm, 252 mrpm, 110 diff, 15 k WOB.
10/4/2013 22:30	10/5/2013 01:00	2.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 362', 144.8 fph, 504 gpm, 110/252 mrpm, 550 diff, 20 k WOB
10/5/2013 01:00	10/5/2013 01:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 10'. 20.0 fph, 135L, 504 gpm, 252 mrpm, 175 diff, 16 k WOB.
10/5/2013 01:30	10/5/2013 02:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 85', 170.0 fph, 504 gpm, 110/252 mrpm, 550 diff, 18 k WOB
10/5/2013 02:00	10/5/2013 02:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 10'. 20.0 fph, 90 L, 504 gpm, 252 mrpm, 140 diff, 15 k WOB.
10/5/2013 02:30	10/5/2013 03:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 84', 168.0 fph, 504 gpm, 85/252 mrpm, 550 diff, 18 k WOB
10/5/2013 03:00	10/5/2013 03:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 15' @ 30.0 fph, 135 L, 504 gpm, 252 mrpm, 165 diff, 15 k WOB.
10/5/2013 03:30	10/5/2013 04:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 80', 160.0 fph, 504 gpm, 85/252 mrpm, 520 diff, 18 k WOB

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/5/2013 04:00	10/5/2013 04:30	0.5	PROD-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Rig service- serviced top drive, blocks, dragchain, drawworks, TM-80, and 3 holed brakes.
10/5/2013 04:30	10/5/2013 06:00	1.5	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rotary drill 132', 88.0 fph, 504 gpm, 110/252 mrpm, 550 diff, 18 k WOB

Report #: 20 Daily Operation: 10/5/2013 06:00 - 10/6/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027781
Days From Spud (days) 41	Days on Location (days) 18	End Depth (ftGRD) 13,278.0	End Depth (TVD) (ftGRD) 8,290.5	Dens Last Mud (lb/gal) 9.35	Rig NABORS DRILLING, M58	

Operations Summary

Slide & Rotary drill f/11,003' to 13300'. Repaired oil leak in top drive, replaced swabs in mud pumps 1 & 2.

Remarks

Nabors M-58 Released F/ University 2-6 3H to 1H @ 23:30hrs.
Accepted Rig @ 16:30hrs 9-20-13
Surface Section: 1.98 days.
Days Drilling Intermediate to TD - 7.03 Days
Intermediate section - since rig accepted: 10.31 days, Since Drill Out - 9.2 Days.
Curve and Lateral Section - 4.25 days

Rig NPT: 0 hours for previous 24 hours. 14.75 hours for month of September.

Completion percentage: Surface: 100% | Intermediate: 100%; Curve: 100% ; Lateral: 48%
6.7' low and 3.2' right.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/5/2013 06:00	10/5/2013 07:00	1	PROD-DRILL LATERAL	DRILL LATERAL- SLIDE	DRL LAT- SLIDE	Slide drill 77'. 77' fph, 504 gpm, 252 rpm, 200 diff, 16k WOB, 45R.
10/5/2013 07:00	10/5/2013 07:45	0.75	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rotary drill 75'. 93.75 fph, 504 gpm, 110/252 rpm, 650 diff, 20k WOB, 4092 tq.
10/5/2013 07:45	10/5/2013 08:15	0.5	PROD-DRILL LATERAL	DRILL LATERAL- SLIDE	DRL LAT- SLIDE	Slide drill 15'. 30' fph, 504 gpm, 252 rpm, 200 diff, 15k WOB, 45R.
10/5/2013 08:15	10/5/2013 11:00	2.75	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rotary drill 364'. 132.4 fph, 504 gpm, 110/252 rpm, 650 diff, 24k WOB, 11300 tq.
10/5/2013 11:00	10/5/2013 11:30	0.5	PROD-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Rig service - Serviced top drive, blocks, dawworks, dragchain, TM-80, 3 holed brakes. Added 5 gallons oil to top drive.
10/5/2013 11:30	10/5/2013 12:30	1	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rotary drill 94'. 94 fph, 504 gpm, 110/252 rpm, 650 diff, 25k WOB
10/5/2013 12:30	10/5/2013 13:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL- SLIDE	DRL LAT- SLIDE	Slide drill 20'. 40 fph, 504 gpm, 252 rpm, 190 diff, 22k WOB, 45R.
10/5/2013 13:00	10/5/2013 13:45	0.75	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rotary drill 74'. 92.5 fph, 504 gpm, 110/252 rpm, 650 diff, 25k WOB.
10/5/2013 13:45	10/5/2013 14:15	0.5	PROD-CIRC	CIRCULATE	CIRC	Circulated at 504 gpm, rotated at 110 rpm, reciprocated drill string. Installed plugs and by passed upper mandrill seal in top drive to stop oil leak.
10/5/2013 14:15	10/5/2013 17:00	2.75	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rotary drill 360'. 130.9 fph, 504 gpm, 110/252 mrpm, 650 diff, 20k WOB.
10/5/2013 17:00	10/5/2013 17:15	0.25	UNPLANNED	Rig Repair (NON- CODE 8,Replacing Pump Expendables)	U_RIG_O TR	Changed out swab on pod #2, pump #1
10/5/2013 17:15	10/5/2013 18:30	1.25	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rotary drill 114'. 91.2 fph, 504 gpm, 110/252 mrpm, 650 diff, 20k WOB.
10/5/2013 18:30	10/5/2013 19:00	0.5	PROD-DRILL TANGENT	DRILL PROD TANGENT-SLIDE	DRL- SLIDE	Slide drill 17'. 34.0 fph, 45R. 504 gpm, 252 mrpm, 185 diff, 18 k WOB,
10/5/2013 19:00	10/5/2013 19:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rotary drill 78'. 156.0 fph, 504 gpm, 110/252 mrpm, 650 diff, 25k WOB.
10/5/2013 19:30	10/5/2013 20:15	0.75	PROD-DRILL TANGENT	DRILL PROD TANGENT-SLIDE	DRL- SLIDE	Slide drill 17'. 34.0 fph, 45R. 504 gpm, 252 mrpm, 250 diff, 18 k WOB,
10/5/2013 20:15	10/5/2013 23:45	3.5	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rotary drill 550'. 157.1 fph, 504 gpm, 90-110/252 mrpm, 625 diff, 20 - 25k WOB.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/5/2013 23:45	10/6/2013 00:15	0.5	UNPLANNED	Rig Repair (NON-CODE 8, Replacing Pump Expendables)	U_RIG_OTR	Changed out swab on pump #1
10/6/2013 00:15	10/6/2013 01:30	1.25	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 20'. 16.0 fph, HS. 504 gpm, 252 mrpm, 300 diff, 22 k WOB,
10/6/2013 01:30	10/6/2013 02:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 75'. 150.0 fph, 504 gpm, 110/252 mrpm, 600 diff, 25k WOB.
10/6/2013 02:00	10/6/2013 03:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 25'. 25.0 fph, 30L. 504 gpm, 252 mrpm, 250 diff, 20 k WOB,
10/6/2013 03:00	10/6/2013 03:45	0.75	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 70'. 93.3 fph, 504 gpm, 110/252 mrpm, 575 diff, 25k WOB.
10/6/2013 03:45	10/6/2013 04:15	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 12'. 24.0 fph, HS. 504 gpm, 252 mrpm, 110 diff, 12 k WOB,
10/6/2013 04:15	10/6/2013 06:00	1.75	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 240'. 137.1 fph, 504 gpm, 110/252 mrpm, 575 diff, 25k WOB.

Report #: 21 Daily Operation: 10/6/2013 06:00 - 10/7/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027781
Days From Spud (days) 42	Days on Location (days) 19	End Depth (ftGRD) 15,103.0	End Depth (TVD) (ftGRD) 8,305.8	Dens Last Mud (lb/gal) 9.35	Rig NABORS DRILLING, M58	

Operations Summary

Rotate & slide drill from 13,300' to 15,125'. Performed clean up cycle at 13995' MD.

Remarks

Nabors M-58 Released F/ University 2-6 3H to 1H @ 23:30hrs.
Accepted Rig @ 16:30hrs 9-20-13
Surface Section: 1.98 days.
Days Drilling Intermediate to TD - 7.03 Days
Intermediate section - since rig accepted: 10.31 days, Since Drill Out - 9.2 Days.
Curve and Lateral Section - 5.25 days

Rig NPT: 0 hours for previous 24 hours. 14.75 hours for month of September.

Completion percentage: Surface: 100% | Intermediate: 100%; Curve: 100% ; Lateral: 67%
.1' high and 11.9' right.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/6/2013 06:00	10/6/2013 08:00	2	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 221'. 110.5 fph, 504 gpm, 110/252 rpm, 650 diff, 25k WOB.
10/6/2013 08:00	10/6/2013 08:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 10'. 20 fph, 504 gpm, 252 rpm, 200 diff, 20k WOB, 45R.
10/6/2013 08:30	10/6/2013 11:00	2.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 299'. 119.6 fph, 504 gpm, 110/252 rpm, 650 diff, 24k WOB.
10/6/2013 11:00	10/6/2013 12:30	1.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 20'. 13.3 fph, 504 gpm, 252 rpm, 200 diff, 20k WOB, 45R.
10/6/2013 12:30	10/6/2013 13:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 60'. 120 fph, 504 gpm, 110/252 rpm, 650 diff, 25k WOB.
10/6/2013 13:00	10/6/2013 14:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 30'. 30 fph, 504 gpm, 252 rpm, 200 diff, 30k WOB, H.S.
10/6/2013 14:00	10/6/2013 14:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 65'. 130 fph, 504 gpm 110/252 rpm, 600 diff, 25k WOB.
10/6/2013 14:30	10/6/2013 16:30	2	PROD-CIRC	CIRCULATE	CIRC	Pumped 20 bbls sweep, rotated at 110 surface, 252 bit rpm, and reciprocated drill string. Performed clean up cycle, due to increased off bottom rotary torque. Off bottom torque before clean up cycle 11,000 ft/lbs, after cycle 9130 ft/lbs.
10/6/2013 16:30	10/6/2013 17:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 17'. 34.0 fph, 45L, 504 gpm, 252 rpm, 200 diff, 30k WOB.
10/6/2013 17:00	10/6/2013 19:45	2.75	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 362'. 131.6 fph, 504 gpm 110/252 mrpm, 620 diff, 25k WOB.
10/6/2013 19:45	10/6/2013 20:15	0.5	PROD-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Service rig. Greased blocks, top drive, drawworks couplings. Changed top drive filter & added oil. Checked 3 holed brakes.
10/6/2013 20:15	10/6/2013 21:00	0.75	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 10'. 20.0 fph, 90L, 504 gpm, 252 mrpm, 550 diff, 25k WOB.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/6/2013 21:00	10/6/2013 22:30	1.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 177'. 118.0 fph, 504 gpm 110/252 mrpm, 550 diff, 25k WOB.
10/6/2013 22:30	10/6/2013 23:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 9'. 18.0 fph, 90L, 504 gpm, 252 mrpm, 225 diff, 16k WOB.
10/6/2013 23:00	10/7/2013 00:00	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 85'. 85.0 fph, 504 gpm 110/252 mrpm, 575 diff, 24k WOB.
10/7/2013 00:00	10/7/2013 01:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 15'. 15.0 fph, 90L, 504 gpm, 252 mrpm, 250 diff, 18k WOB.
10/7/2013 01:00	10/7/2013 01:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 79'. 158.0 fph, 504 gpm 110/252 mrpm, 575 diff, 24k WOB.
10/7/2013 01:30	10/7/2013 02:30	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 10'. 10.0 fph, 90L, 504 gpm, 252 mrpm, 250 diff, 17k WOB.
10/7/2013 02:30	10/7/2013 06:00	3.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 356'. 101.7 fph, 504 gpm 110/252 mrpm, 585 diff, 24k WOB.

Report #: 22 Daily Operation: 10/7/2013 06:00 - 10/8/2013 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 027781
Days From Spud (days) 43	Days on Location (days) 20	End Depth (ftGRD) 15,574.0
	End Depth (TVD) (ftGRD) 8,314.0	Dens Last Mud (lb/gal) 9.30
		Rig NABORS DRILLING, M58

Operations Summary

Rotate & slide drill from 15,125' to 15,596'. Perform clean up cycles from 15596 to 15,125' MD. Pull out of hole from 15125 to 14735'. Tight hole, Run in hole to 15125'. Circulate to clean hole.

Remarks

Nabors M-58 Released F/ University 2-6 3H to 1H @ 23:30hrs.
Accepted Rig @ 16:30hrs 9-20-13
Surface Section: 1.98 days.
Days Drilling Intermediate to TD - 7.03 Days
Intermediate section - since rig accepted: 10.31 days, Since Drill Out - 9.2 Days.
Curve and Lateral Section - 6.25 days

Rig NPT: 0 hours for previous 24 hours. 14.75 hours for month of September.

Completion percentage: Surface: 100% | Intermediate: 100%; Curve: 100% ; Lateral: 72%
9.1' low and 9.1' left.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/7/2013 06:00	10/7/2013 06:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 20'. 40 fph, 504 gpm, 252 rpm, 355 diff, 14k WOB, 45R.
10/7/2013 06:30	10/7/2013 07:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 75'. 150 fph, 504 gpm, 110/252 rpm, 500 diff, 20k WOB
10/7/2013 07:00	10/7/2013 08:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 20', 20 fph, 504 gpm, 252 rpm, 130 diff, 25k WOB, 45R.
10/7/2013 08:00	10/7/2013 09:30	1.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 188', 125.3 fph, 479 gpm, 110/239 rpm, 200 diff, 20k WOB.
10/7/2013 09:30	10/7/2013 10:45	1.25	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 20', 16 fph, 479 gpm, 239 rpm, 149 diff, 20k WOB, 45R.
10/7/2013 10:45	10/7/2013 11:30	0.75	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 74', 98.6 fph, 479 gpm, 110/239 rpm, 600 diff, 20k WOB.
10/7/2013 11:30	10/7/2013 12:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 5', 10 fph, 479 gpm, 239 rpm, 300 diff, 18K WOB, 45R. Observed pump pressure spiking above 4000 psi, slowed pump rate from 504 to 479 gpm.
10/7/2013 12:00	10/7/2013 14:00	2	PROD-CIRC	CIRCULATE	CIRC	Observed off bottom torque increase to 12000 ft/lbs. Circulated at 504 gpm, rotation of 110 rpm, and reciprocated full stand length. Pumped 20 bbls sweep. Initial torque while hoisting string =11800 ft/lbs, slack off torque 10500 ft/lbs. Final hoisting torque after performing clean up cycle 10000 ft/lbs, slack off 9300 ft/lbs. Observed 150% increase in cuttings when sweep returned to surface, with increase in size and shape. Calculated surface to surface strokes calculated at 9800, Observed sweep to surface after 10800 strokes.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/7/2013 14:00	10/7/2013 15:00	1	PROD-DRILL LATERAL	DRILL LATERAL- SLIDE	DRL LAT- SLIDE	Slide drill 8', 8 fph, 504 gpm, 252 rpm, 170 diff, 15k WOB, 45R. While sliding at 45R orientation, or any toolface orientation, MWD defaults to 120L.
10/7/2013 15:00	10/7/2013 15:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rotary drill 81', 162.0 fph, 420 gpm, 110/209 rpm, 650 diff, 35k WOB.
10/7/2013 15:30	10/8/2013 00:30	9	PROD-CIRC	CIRCULATE	CIRC	Pumped Hi-vis sweep and circulated surface to surface while reciprocating pipe @ 110 rpm, racked back 1 stand after each full circulation. Shakers loaded with cuttings, after three bottoms up-estimated 150% increase in cuttings volume, at bottoms up. Finished performing hole clean-up cycle (120 spm, 110 rpm, 3650 psi) while working pipe to ensure hole is clean. Cuttings volume minimal at shaker after final clean up cycle.
10/8/2013 00:30	10/8/2013 01:00	0.5	PROD-CIRC	CIRCULATE	CIRC	Shut pumps down, check for flow, well static. pumped slug.
10/8/2013 01:00	10/8/2013 01:30	0.5	PROD-TRIP	TRIP	TRIP	Tooh from 15,125' to 14,735'. Tight spot @ 14,735', 25K overpull. Worked several times, no success.
10/8/2013 01:30	10/8/2013 02:00	0.5	PROD-CIRC	CIRCULATE	CIRC	Broke circulation with 504 gpm, rotated drill string at 110 rpm, while attempting to reciprocate drill string. Hole packing off. .
10/8/2013 02:00	10/8/2013 02:30	0.5	PROD-TRIP	TRIP	TRIP	Trip in hole from 14,783' to 15,125'.
10/8/2013 02:30	10/8/2013 06:00	3.5	PROD-CIRC	CIRCULATE	CIRC	With bit at 15125', established circulation with 521 gpm, 120 rpm, while reciprocating full stand length, from 15188 to 15094'. Circulated sweep to surface with high volume of cuttings at shaker on bottoms up. Stopped circulation/rotation and racked stand back in derrick. Staged circulation to 512 gpm, 120 rpm, and reciprocated drill string between 15000/15094 feet perform clean up cycle. Pumped 20 bbls sweep. Drill string pick up weight 275k, slack off 140k, rotating 180k.

Report #: 23 Daily Operation: 10/8/2013 06:00 - 10/9/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027781
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	
44	21	15,574.0	8,314.0	9.50	NABORS DRILLING, M58	

Operations Summary

TOOH. Worked thru tight spots: 13,808'; 13,785', 12,818', 8,050'; 7,915'; 7,825'; 7,765'. Derrick strap drill pipe on trip out of hole. L/D: mm, mwd, bit. TIH with BHA #6 to 5,766'. Filling pipe every 20 stds. Service rig, Continue TIH f/ 5,766' to 7,289'.

Remarks

Nabors M-58 Released F/ University 2-6 3H to 1H @ 23:30hrs.
Accepted Rig @ 16:30hrs 9-20-13
Surface Section: 1.98 days.
Days Drilling Intermediate to TD - 7.03 Days
Intermediate section - since rig accepted: 10.31 days, Since Drill Out - 9.2 Days.
Curve and Lateral Section - 7.25 days

Rig NPT: 0 hours for previous 24 hours. 14.75 hours for month of September.

Completion percentage: Surface: 100% | Intermediate: 100%; Curve: 100% ; Lateral: 72%
9.1' low and 9.1' left.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/8/2013 06:00	10/8/2013 07:30	1.5	PROD-CIRC	CIRCULATE	CIRC	Performed clean up cycle; pumped 20 bbls sweep, surface to surface, rotated drill string at 120 rpm, 512 gpm, while reciprocating drill string from 14985 to 14894'. Observed 100% increase in cuttings at bottoms up. Cuttings were sharp and angular. Racked back 1 stand drill pipe.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/8/2013 07:30	10/8/2013 08:30	1	PROD-CIRC	CIRCULATE	CIRC	Performed clean up cycle: pumped 20 bbls sweep, surface to surface. Rotated at 120 rpm, 521 gpm, while reciprocating drill string from 14892 to 14809'. Observed 100% increase of sharp angular cuttings at shaker- less than 1/8" in size. Increasing mud weight from 9.3 to 9.5 ppg. Racked back 1 stand of drill pipe in derrick.
10/8/2013 08:30	10/8/2013 09:30	1	PROD-CIRC	CIRCULATE	CIRC	Performed clean up cycle; rotated at 120 rpm, 521 gpm while reciprocating drill string from 14892 to 14809', while increasing mud weight from 9.3 to 9.5 ppg. Shale shakers cleaned up at end of clean up cycle, with mud weight 9.5 ppg in/out.
10/8/2013 09:30	10/8/2013 11:00	1.5	PROD-TRIP BHA	TRIP FOR BHA	TRIP BHA	Flow checked well - negative flow. Pulled out of hole with wet drill string from 14802 to 13937', at 3 minutes/stand. No overpulls observed. Hole taking correct displacement. High sided mud motor and pumped slug.
10/8/2013 11:00	10/8/2013 19:45	8.75	PROD-TRIP BHA	TRIP FOR BHA	TRIP BHA	Continued pulling out of hole to change out bit/BHA, from 13937' to 96.99' BHA. Over pull of 25k observed at 13808', 13785' and 12818'. Hole taking correct fill up displacement. Derrick strap drill pipe on trip out of hole. Intermittent drag of 25k observed at 8050, 7915, 7825, 7785 and 7765 feet, when pulling through curve.
10/8/2013 19:45	10/8/2013 22:30	2.75	PROD1-TRIP BHA	TRIP F/BHA/L/D/P/U	TRIP BHA	Drained motor. Break bit. L/D: mud motor, mwd. Checked scribe/orientation of motor. Scribe mark was in place. PU/MU Lateral BHA #6. Scribe tools, Surface test mwd to 500 gpm, Ok. Function test blind rams, OK.
10/8/2013 22:30	10/8/2013 23:30	1	PROD-1-WEARBUSHING	INSTALL/REMOVE/IN SPECT WEARBUSHING	WEARBU SHING	Retrieved wear bushing. Cleaned and Inspected same, Minimal wear on driller side. Turned 180 degrees. Run and set wear bushing in wellhead and locked pins.
10/8/2013 23:30	10/9/2013 00:15	0.75	PROD1	WORK	CLEANO UT	Clean rig floor of obm for safety.
10/9/2013 00:15	10/9/2013 04:30	4.25	PROD1-TRIP	TRIP	TRIP	Made up 8 1/2" PDC bit. TIH with BHA #6 to 5,766'. Filling every 20 stds. Function test: Hydril, pipe rams, OK.
10/9/2013 04:30	10/9/2013 05:00	0.5	PROD1-RIGSERVICE	RIGSEV	RIGSER	Service rig. Change oil filter. Greased: top drive, blocks drawworks, blackjack, adjust brakes performed top drive drops.
10/9/2013 05:00	10/9/2013 05:30	0.5	PROD1-TRIP	TRIP	TRIP	TIH with BHA #6 from 5,766' to 7,289'. Filling drill string every 20 stds.
10/9/2013 05:30	10/9/2013 06:00	0.5	PROD1	SLIP & CUT DRILL LINE	Rig Service	Slip and cut drill line.

Report #: 24 Daily Operation: 10/9/2013 06:00 - 10/10/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027781
Days From Spud (days) 45	Days on Location (days) 22	End Depth (ftGRD) 15,614.0	End Depth (TVD) (ftGRD) 8,315.5	Dens Last Mud (lb/gal) 9.70	Rig NABORS DRILLING, M58	

Operations Summary

Trip in hole to 13806, wash and ream to 15596'. slide drilled from 15596 to 15636'. Trouble shoot mud pump problems, MWD failure, Pull out of hole for fresh MWD.

Remarks

Nabors M-58 Released F/ University 2-6 3H to 1H @ 23:30hrs.
Accepted Rig @ 16:30hrs 9-20-13
Surface Section: 1.98 days.
Days Drilling Intermediate to TD - 7.03 Days
Intermediate section - since rig accepted: 10.31 days, Since Drill Out - 9.2 Days.
Curve and Lateral Section - 8.25 days

Rig NPT: 12 hours for previous 24 hours. 42 hours for month of October

Completion percentage: Surface: 100% | Intermediate: 100%; Curve: 100% ; Lateral: 72%
9.1' low and 9.1' left.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/9/2013 06:00	10/9/2013 07:30	1.5	PROD1	SLIP & CUT DRILL LINE	Rig Service	Slipped and cut 106 feet of drill line.
10/9/2013 07:30	10/9/2013 10:00	2.5	PROD1-TRIP	TRIP	TRIP	Continued running in hole with BHA/bit#6 on 5" drill pipe, from 7289 to 9588 feet. No problems entering, or passing through curve. Monitored pipe displacement with trip tank. Filled drill string with mud. Took 30 bbls. to fill pipe. Checked pick up/slack off string weights. Pick up 230k, slack off 150k.
10/9/2013 10:00	10/9/2013 11:00	1	PROD1-TRIP	TRIP	TRIP	Continued running in hole with BHA/bit#6 on 5" drill pipe, from 9588 to 11412 feet. Monitored pipe displacement with trip tank. Filled drill string with mud. Took 30 bbls. to fill pipe. Checked pick up/slack off string weights. Pick up 265k, slack off 150k.
10/9/2013 11:00	10/9/2013 11:45	0.75	PROD1-TRIP	TRIP	TRIP	Continued running in hole with BHA/bit#6 on 5" drill pipe, from 11412 to 13806 feet. Monitored pipe displacement with trip tank. Tagged up at 13806 feet.
10/9/2013 11:45	10/9/2013 12:30	0.75	PROD1-CIRC	CIRCULATE	CIRCULATE	Engaged top drive, broke circulation, staged pump rate to 504 gpm, rotated at 120 rpm surface, 252 mm rpm. Washed and reamed through tight spot 13800 to 13860 feet.
10/9/2013 12:30	10/9/2013 15:30	3	PROD1-CIRC	CIRCULATE	CIRCULATE	Washed and reamed from 13860 to 15596 feet, with 504 gpm@3450 psi, 120 surface rpm, 252 mm rpm. Raised mud weight to 9.7 ppg while washing and reaming.
10/9/2013 15:30	10/9/2013 16:30	1	PROD1-CIRC	CIRCULATE	CIRCULATE	Pumped 20 bbls sweep and performed clean up cycle: Rotated at 120 rpm, circulated at 504 gpm, while reciprocating drill string. Continued increasing mud weight to 9.7 ppg
10/9/2013 16:30	10/9/2013 18:00	1.5	PROD1-DRILL CURVE	DRILL PROD CURVE SLIDE	DRILL-SLIDE	Slide drilling F/15596' to 15626' @ 45R, 30 ft having trouble holding toolface
10/9/2013 18:00	10/9/2013 19:00	1	PROD1-RIGSERVICE	RIGSEV	RIGSER	Service rig, trouble shoot #2 mud pump inverter, pump never shut down since 18:00 @ 504 gpm
10/9/2013 19:00	10/9/2013 21:30	2.5	UNPLANNED	Directional Equipment Failure (motor/rotary steera	U_DIR	Directional suveryrs unable to sync with MWD, tried several data rates, recycled pumps with several attempts, no sync, changed out stand pipe transducer.
10/9/2013 21:30	10/9/2013 22:30	1	PROD1-CIRC-TOOH	CIRCULATE F/ TOOH	CIRCULATE	Transfer volume and increase weight to 9.7#, while building slug and filling trip tank, flow check well, (static), pump slug to POOH for MWD
10/9/2013 22:30	10/10/2013 06:00	7.5	PROD1-TRIP BHA	TRIP F/BHA/L/D/P/U	TRIP BHA	Pulled out of hole from 15636 to 2000'. Tight spots at 12908 and 10500' - 25k overpulls, worked bit through spots 3 times. No overpulls observed after wiping through the (2) tight spots. Continued pulling out of hole. Hole taking correct fill.

Report #: 25 Daily Operation: 10/10/2013 06:00 - 10/11/2013 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 027781
Days From Spud (days) 46	Days on Location (days) 23	End Depth (ftGRD) 15,732.0
	End Depth (TVD) (ftGRD) 8,326.0	Dens Last Mud (lb/gal) 9.70
		Rig NABORS DRILLING, M58

Operations Summary

Pulled out of hole, Replaced MWD pulsar. Ran in hole to 15636'. Drilled from 15636 to 15754'. Repaired cut electric cable.

Remarks

Nabors M-58 Released F/ University 2-6 3H to 1H @ 23:30hrs.
Accepted Rig @ 16:30hrs 9-20-13
Surface Section: 1.98 days.
Days Drilling Intermediate to TD - 7.03 Days
Intermediate section - since rig accepted: 10.31 days, Since Drill Out - 9.2 Days.
Curve and Lateral Section - 9.25 days

Rig NPT: 12 hours for previous 24 hours. 44.5 hours for month of October

Completion percentage: Surface: 100% | Intermediate: 100%; Curve: 100% ; Lateral: 74%
9.1' low and 9.1' left.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/10/2013 06:00	10/10/2013 08:00	2	PROD-TRIP BHA	TRIP FOR BHA	TRIP BHA	Pulled out of hole from 2000 to 96'. Pipe pulled wet, monitored hole fill with trip tank.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/10/2013 08:00	10/10/2013 09:00	1	PROD-TRIP BHA	TRIP FOR BHA	TRIP BHA	Pulled and broke off 8-1/2" bit. No wear on bit. Broke and inspected MWD pulsar - observed 3 small pieces of material wedged on pulsar - mud logger identified as chert. Installed fresh MWD pulsar in hang off sub and made up assembly.
10/10/2013 09:00	10/10/2013 10:30	1.5	PROD-TRIP BHA	TRIP FOR BHA	TRIP BHA	Backed out lock down screws and pulled wear bushing, with 25k overpull. No lock screw marks on OD of wear bushing. Inspected and reinstalled wear bushing in wellhead. Tightened 2 lock screws. Laid down running tool.
10/10/2013 10:30	10/10/2013 11:00	0.5	PROD-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Rig service. Performed drops check, greased top drive, blocks, black jack, TM-80, draw works couplings and 3 holed brakes.
10/10/2013 11:00	10/10/2013 11:30	0.5	PROD-TRIP	TRIP	TRIP	Cleaned rig floor for trip in hole.
10/10/2013 11:30	10/10/2013 13:00	1.5	PROD-TRIP	TRIP	TRIP	Picked up BHA from mousehole and installed in hole, engaged top drive and surface tested mud motor and MWD. MWD did not surface test. Changed pressure transducer on HP mud line. Recycled pumps and obtained good surface test on MWD. When DP screen recovered after surface test, recovered plastic, debris and lock washer from DP screen.
10/10/2013 13:00	10/10/2013 14:00	1	PROD-TRIP	TRIP	TRIP	Installed 8-1/2" bit - run#7(bit#6 rr1) on BHA and ran in hole from surface to 1982 feet. Filled drill pipe.
10/10/2013 14:00	10/10/2013 14:30	0.5	PROD-TRIP	TRIP	TRIP	Pulled and cleaned suction screens on both mud pumps. Did not recover any debris from screens.
10/10/2013 14:30	10/10/2013 15:00	0.5	PROD-TRIP	TRIP	TRIP	Continued trip in hole with BHA#7 from 1982 to 3598 feet.
10/10/2013 15:00	10/10/2013 18:00	3	PILOT-TRIP	TRIP	TRIP	Trip in hole F/3598 ft to 8700 ft, filling every 20 stds, circulate bottoms up at 540 gpm, 120 stks, to condition mud.
10/10/2013 18:00	10/10/2013 23:30	5.5	PROD-TRIP	TRIP	TRIP	Trip in hole F/8700 ft T/15502 ft. Fill every 20 stds Taking returns into trip tank for displacement, Precautionary washed and reamed F/13995 ft T/14090 ft, and from F/15502 ft T/bottom-15636 ft.
10/10/2013 23:30	10/11/2013 00:30	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide Drill 24', 24 fph, 45 R GTF, 504gpm, diff 154, , 252 rpm, 20k WOB.
10/11/2013 00:30	10/11/2013 01:30	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 45', 27.5 fph, 504 gpm, 110/252 rpm, 336 diff, 9k WOB.
10/11/2013 01:30	10/11/2013 03:30	2	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 39', 19.5 fph, 504 gpm, 252 rpm, 100 diff, 9k WOB, 25R. At 0215 hrs, 15727' MD hole depth, Nabors forklift driver dropped metal plate on linebacker power cable tray that supplies power to rig camp, severing power cable, rig PVT monitor cable. Detailed incident report to follow. Unable to obtain gamma ray log due to loss of electrical power. Continued slide drill 27', to 15754', without gamma ray. Stopped slide drilling operation-unable to obtain gamma ray reading, due to power outage - and pulled drill string from 15754 to place bit at 15564'.
10/11/2013 03:30	10/11/2013 04:00	0.5	PROD-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Rotated at 110 rpm, 504 gpm, reciprocated drill string from 15564 to 15429 feet, while waiting on electrician arrive on location and repair damaged electrical cable. Serviced rig. Serviced top drive, draw works, TM-80 and 3 holed brakes. Nabors electrician contacted to repair severed electrical cable,
10/11/2013 04:00	10/11/2013 06:00	2	PROD-CIRC	CIRCULATE	CIRC	Continued reciprocating drilling string, while rotating at 110 rpm, 504 gpm, while electrician repaired electrical cable to camp.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Report #: 26 Daily Operation: 10/11/2013 06:00 - 10/12/2013 06:00

Job Category ORIG DRILLING				Primary Job Type ODR			AFE Number 027781	
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig			
47	24	15,868.0	8,346.5	9.70	NABORS DRILLING, M58			

Operations Summary

Drilled from 15754 to 15890'. Lost hole inclination. Pulled out of hole to check MWD tools. Pressure testing BOPE

Remarks

Nabors M-58 Released F/ University 2-6 3H to 1H @ 23:30hrs.
Accepted Rig @ 16:30hrs 9-20-13
Surface Section: 1.98 days.
Days Drilling Intermediate to TD - 7.03 Days
Intermediate section - since rig accepted: 10.31 days, Since Drill Out - 9.2 Days.
Curve and Lateral Section - 10.25 days

Rig NPT: 12 hours for previous 24 hours. 44.5 hours for month of October

Completion percentage: Surface: 100% | Intermediate: 100%; Curve: 100% ; Lateral: 74%
9.1' low and 9.1' left.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/11/2013 06:00	10/11/2013 06:45	0.75	PROD-TRIP	TRIP	TRIP	Circulated and relogged gamma ray from 15727 to 15754' at 70 feet/hour. Gamma ray was not recorded through this interval due to power cable being severed.
10/11/2013 06:45	10/11/2013 07:00	0.25	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 29', 116 fph, 487 gpm, 110/244 rpm, 20k WOB, 600 diff, 13k tq.
10/11/2013 07:00	10/11/2013 07:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 11', 22 fph, 487 gpm, 244 rpm, 200 diff, 25k WOB, HS.
10/11/2013 07:30	10/11/2013 08:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 20', 40 fph, 487 gpm, 110/244 rpm, 600 diff, 20k WOB.
10/11/2013 08:00	10/11/2013 08:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drilled 21', 42 fph, 504 gpm, 110/252 rpm, 200 diff, 25k WOB, 180 TF. Lost hole inclination when sliding HS. Suspect MWD tool 180 degrees out. Lost inclination on slide.
10/11/2013 08:30	10/11/2013 09:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 55', 110 fph, 478 gpm, 110/244 rpm, 500 diff, 20k WOB, 13.8K tq. Check shot survey indicated inclination dropping.
10/11/2013 09:00	10/11/2013 12:00	3	PROD-CIRC	CIRCULATE	CIRC	Pumped sweep, circulated at 504 gpm, rotated at 110 rpm. Circulated bottoms up. Racked stand back after bottoms up. Built slug during circulation period.
10/11/2013 12:00	10/11/2013 13:00	1	PROD-TRIP BHA	TRIP FOR BHA	TRIP BHA	Pulled out of hole from 15877 to 14977' with wet pipe. Pick up sting weight 275k, with no overpulls. Changed break on drill pipe.
10/11/2013 13:00	10/11/2013 18:00	5	PROD-TRIP BHA	TRIP FOR BHA	TRIP BHA	Flow checked at 14977' - negative flow, pumped slug and continued pulling out of hole from 14977 to 10048 feet. No overpulls.
10/11/2013 18:00	10/11/2013 19:00	1	PROD-TRIP BHA	TRIP FOR BHA	TRIP BHA	Pull out of hole and lay down 36 joints DP F/6300' T/5166'
10/11/2013 19:00	10/11/2013 21:30	2.5	PROD-TRIP BHA	TRIP FOR BHA	TRIP BHA	Trip out of hole F/5166' to Directional @ 96'
10/11/2013 21:30	10/11/2013 23:00	1.5	PROD-TRIP BHA	TRIP FOR BHA	TRIP BHA	Hang BHA, check motor scribe, Less than 10 degrees off, drain motor, break bit, swap out MWD, rack back motor/monel, HOS/monel
10/11/2013 23:00	10/12/2013 00:30	1.5	PROD-NU/TEST	NIPPLE UP/TEST	NU/TEST	Vac out celler to unlock wear bushing pins, open casing valve to drain stack
10/12/2013 00:30	10/12/2013 01:00	0.5	UNPLANNED	Other - Anything not listed above	U_OTR	Working as directed by operator, clean rig floor after trip for safety
10/12/2013 01:00	10/12/2013 01:30	0.5	PROD-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Service rig, top drive drops performed, adjusted brakes,
10/12/2013 01:30	10/12/2013 03:00	1.5	PROD-NU/TEST	NIPPLE UP/TEST	NU/TEST	MU XO, pump in sub, XO, test plug, rig up testers, cripple check valve, pressure up pump in sub fitting leaking, repair and continue testing.
10/12/2013 03:00	10/12/2013 06:00	3	PROD-NU/TEST	NIPPLE UP/TEST	NU/TEST	Test BOPs, pipe rams, blind rams, annular, inside/outside kill lines, choke manifold, manual/hydraulic HCR, 4" pump, 4" stand pipe, manual/hydraulic TIW, floor TIW/IBOP, 250# low, 2500# high

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Report #: 27 Daily Operation: 10/12/2013 06:00 - 10/13/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR		AFE Number 027781	
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	
48	25	15,868.0	8,346.5	9.70	NABORS DRILLING, M58	

Operations Summary

Finish testing BOPs, Picked up new 2.0 degree motor, shallow test motor and MWD, tested good, TIH, spot wash and ream tight spots, relog gamma ray, slide drill from 15890/15898'.

Remarks

Nabors M-58 Released F/ University 2-6 3H to 1H @ 23:30hrs.
Accepted Rig @ 16:30hrs 9-20-13
Surface Section: 1.98 days.
Days Drilling Intermediate to TD - 7.03 Days
Intermediate section - since rig accepted: 10.31 days, Since Drill Out - 9.2 Days.
Curve and Lateral Section - 11.25 days

Rig NPT: 12 hours for previous 24 hours. 44.5 hours for month of October

Completion percentage: Surface: 100% | Intermediate: 100%; Curve: 100% ; Lateral: 74%
9.1' low and 9.1' left.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/12/2013 06:00	10/12/2013 08:30	2.5	PROD-NU/TEST	NIPPLE UP/TEST	NU/TEST	Pressure tested BOPE. Pressure tested annular and pipe rams with 5" drill pipe across BOP cavities to 250 low/2500 psi high, Pressure tested blind rams with no pipe across cavity to 250 low/2500 psi high. Pressure tested TDS manual and hydraulic IBOP valves, standpipe, and HP mud lines back to rig pump to 250 low/2500 psi high. Pressure tested choke manifold, HCRs/kill side valves to 250 low/2500 psi high. Pressure tested all floor valves to 250 low/2500 psi high, held all tests for 5 minutes. All good tests no failures. Rigged down testers. Pulled test plug.
10/12/2013 08:30	10/12/2013 09:30	1	PROD-NU/TEST	NIPPLE UP/TEST	NU/TEST	Ran and set wear bushing in wellhead. Locked in place with (2) lock down screws. Laid down test plug/wear bushing combination tool, laid down 5" drill pipe test joint.
10/12/2013 09:30	10/12/2013 11:00	1.5	PROD-TRIP	TRIP	TRIP	Picked up BHA stand from derrick, laid down mud motor. Picked up 6.75" OD Sperry 4/5 lobe-7.0 stage, fixed 2.0 degrees motor with 8" OD gauge stabilizer, scribed and oriented MWD. Surface tested mud/MWD. Good test. Picked up 8.5" bit #6, RR2. OAL of BHA=95.91 feet.
10/12/2013 11:00	10/12/2013 12:30	1.5	PROD-TRIP	TRIP	TRIP	Continued running in hole from 96 to 1236', picking up 11 stands drill pipe, laid down in singles on trip out of hole. Changed position of bottom joint of drill pipe. Drifted all drill pipe picked up in singles.
10/12/2013 12:30	10/12/2013 15:00	2.5	PROD-TRIP	TRIP	TRIP	Continued running BHA in hole on 5" drill pipe from derrick in stands, from 1236 to 7184 feet. Filling drill string every 20 stands, Monitoring pipe displacement with trip tank.
10/12/2013 15:00	10/12/2013 15:30	0.5	PROD-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Service rig @ 7184, Performed 3 hole brake adjustment
10/12/2013 15:30	10/12/2013 20:30	5	PROD-TRIP	TRIP	TRIP	Working pipe thru tight spots F/7735 -T/8993, Spot washing and reaming thru tight spots on every stand, 420 GPM, 50 RPM, until bit was at 8717' (+/- 200' below curve landing point). From 8717 to 9977', circulated at 504 gpm, 70 surface and 252 mm rpm, while spot washing and reaming through tight spots. Maximum tag up weight 35k, max overpull weight 25k.
10/12/2013 20:30	10/12/2013 22:00	1.5	PROD-CIRC	CIRCULATE	CIRC	Pump 20 bbl sweep, circulate and clean up mud. Working pipe F/9925' - T/10020', 504 GPM, 60 RPM
10/12/2013 22:00	10/13/2013 01:30	3.5	PROD-TRIP	TRIP	TRIP	Trip in hole F/10020 - T/13142, W&R 10114'-10492, 10568-10681, 10775-10869, 12290-12384, 12857-12952, 13047-13142, 60 RPM, 504 GPM., Tight at 10142, 10244, 10340, 10600, 10790, 12335, 12885, 13060,

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/13/2013 01:30	10/13/2013 04:00	2.5	PROD-TRIP	TRIP	TRIP	Trip in hole F/13142 - T/15685, Wash and ream F/13520 - 13615, Wash and ream last two stands F/13520 - 15840
10/13/2013 04:00	10/13/2013 05:30	1.5	PROD-LOG	LOG	LOG	Relogged with gamma ray from 15840 to 15890'. 504 gpm, 60 rpm, at 70 fph.
10/13/2013 05:30	10/13/2013 06:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 8', 16 fph, 504 gpm, 235 rpm, 0 WOB, HS.

Report #: 28 Daily Operation: 10/13/2013 06:00 - 10/14/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027781
Days From Spud (days) 49	Days on Location (days) 26	End Depth (ftGRD) 16,702.0	End Depth (TVD) (ftGRD) 8,367.5	Dens Last Mud (lb/gal) 9.90	Rig NABORS DRILLING, M58	

Operations Summary

Slide and rotary drilled from 15898 to 16724 feet. performed clean up cycle, increased mud weight from 9.7 to 9.9ppg.

Remarks

Nabors M-58 Released F/ University 2-6 3H to 1H @ 23:30hrs.
Accepted Rig @ 16:30hrs 9-20-13
Surface Section: 1.98 days.
Days Drilling Intermediate to TD - 7.03 Days
Intermediate section - since rig accepted: 10.31 days, Since Drill Out - 9.2 Days.
Curve and Lateral Section - 12.25 days

Rig NPT: 0 hours for previous 24 hours. 44.5 hours for month of October

Completion percentage: Surface: 100% | Intermediate: 100%; Curve: 100% ; Lateral: 83.9%
70.4' low and 66.8' left.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/13/2013 06:00	10/13/2013 08:00	2	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 37', 18.5 fph, 470 gpm, 235 rpm, 200 diff, 5k WOB, HS
10/13/2013 08:00	10/13/2013 09:00	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 35', 35 fph, 470 gpm, 60/235 rpm, 15k WOB, 500 diff.
10/13/2013 09:00	10/13/2013 11:00	2	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 30', 15 fph, 470 gpm, 235 rpm, 210 diff, 15k WOB, 90 R.
10/13/2013 11:00	10/13/2013 11:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 60', 120 fph, 470 gpm, 60/235 rpm, 20k WOB, 500 diff
10/13/2013 11:30	10/13/2013 12:30	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 20', 20 fph, 470 gpm, 235 rpm, 200 diff, 20k WOB, 90R.
10/13/2013 12:30	10/13/2013 14:30	2	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 175', 87.5 fph, 470 gpm, 75/235 rpm, 28 k WOB, 600 diff.
10/13/2013 14:30	10/13/2013 15:30	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 13', 13 fph, 470 gpm, 235 rpm, 200 diff, 16k WOB, 45R. Experienced trouble holding tool face.
10/13/2013 15:30	10/13/2013 17:00	1.5	PROD-CIRC	CIRCULATE	CIRC	Racked back stand in derrick. Performed clean up cycle; rotated at 80 rpm, 504 gpm, reciprocated drill string from 16241 to 16153'. Increasing mud weight to 9.9 ppg.
10/13/2013 17:00	10/13/2013 17:30	0.5	PROD-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Service rig,
10/13/2013 17:30	10/13/2013 18:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 9 ft, 18 fph, 45 R, 470-gpm, 235 rpm, 200 Diff, 20-WOB,
10/13/2013 18:00	10/13/2013 19:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 7 ft. 7 fph, 45R, 470-GPM, 235 rpm, 200-Diff, 20k WOB
10/13/2013 19:00	10/13/2013 19:45	0.75	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 20 ft, ROP-26 fph, @ 30R GTF, Diff-600, 80/235 rpm, 470-GPM
10/13/2013 19:45	10/13/2013 21:30	1.75	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill, 20 ft, 11 ft/hr @ 30 GTF, 470-GPM, 235 rpm, 15k WOB, Diff-569
10/13/2013 21:30	10/13/2013 22:30	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate drilling, 74 ft, 74 ft/hr 80/235 rpm 18-WOB, 470-GPM
10/13/2013 22:30	10/14/2013 00:45	2.25	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill, 20 ft, ROP-8 ft/hr @ 60 R GTF 470-GPM, 15k WOB, Diff-516, 235 rpm
10/14/2013 00:45	10/14/2013 01:30	0.75	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate drill, 75 ft, 100 ft/hr 80/235 rpm, 470 - GPM, 17k WOB

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/14/2013 01:30	10/14/2013 02:45	1.25	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill, 20 ft, ROP-16 ft/hr @ 75 R GTF 470-GPM, 235 rpm, 10k WOB Diff-756
10/14/2013 02:45	10/14/2013 03:30	0.75	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate drill 74 ft, 98 ft/hr, 80/235 rpm, 18k WOB, GPM-470
10/14/2013 03:30	10/14/2013 04:45	1.25	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 20 ft, ROP-16, 235 rpm, 15k WOB, Diff-546, 90R
10/14/2013 04:45	10/14/2013 05:30	0.75	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate drill, 74 ft, ROP-98. 265 rpm, 15k WOB, 470- GPM
10/14/2013 05:30	10/14/2013 06:00	0.5	PROD-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Service rig and top drive, adjust brakes

Report #: 29 Daily Operation: 10/14/2013 06:00 - 10/15/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027781
Days From Spud (days) 50	Days on Location (days) 27	End Depth (ftGRD) 17,603.0	End Depth (TVD) (ftGRD) 8,306.3	Dens Last Mud (lb/gal) 9.90	Rig NABORS DRILLING, M58	

Operations Summary

Slide and rotary drilled F/16724 - T/ 17625', pumping sweeps while drilling, Making corrective direction changes.

Remarks

Nabors M-58 Released F/ University 2-6 3H to 1H @ 23:30hrs.
Accepted Rig @ 16:30hrs 9-20-13
Surface Section: 1.98 days.
Days Drilling Intermediate to TD - 7.03 Days
Intermediate section - since rig accepted: 10.31 days, Since Drill Out - 9.2 Days.
Curve and Lateral Section - 13.25 days

Rig NPT: 0 hours for previous 24 hours. 44.5 hours for month of October

Completion percentage: Surface: 100% | Intermediate: 100%; Curve: 100% ; Lateral: 93.05%
2.1 high, and 45.3' left.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/14/2013 06:00	10/14/2013 07:30	1.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 20', 13.3 fph, 470 gpm, 200 diff, 235 rpm, 30k WOB, 120R
10/14/2013 07:30	10/14/2013 08:30	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 74', 74 fph, 470 gpm, 80/235 rpm, 500 diff, 25k WOB.
10/14/2013 08:30	10/14/2013 10:30	2	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 30', 15 fph, 470 gpm, 235 rpm, 200 diff, 45k WOB, 120R. Rotated and worked pipe to get differential pressure. Pick up string weight 310k, slack off 105k, rotating 180k. Off bottom rotating torque 11-13k ft/lbs.
10/14/2013 10:30	10/14/2013 11:30	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 66', 66 fph, 470 gpm, 80/235 rpm, 600 diff, 25k WOB
10/14/2013 11:30	10/14/2013 13:30	2	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 30', 15 fph, 470 gpm, 235 rpm, 200 diff, 40k WOB, 150R
10/14/2013 13:30	10/14/2013 14:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 30', 60 fph, 470 gpm, 80/235 rpm, 600 diff, 20k WOB.
10/14/2013 14:00	10/14/2013 16:15	2.25	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 30', 13.3 fph, 470 gpm, 235 rpm, 200 diff, 20k WOB, 150R
10/14/2013 16:15	10/14/2013 17:00	0.75	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 64', 85 fph, 470 gpm, 235 rpm, 200 diff, 20k WOB, 150R
10/14/2013 17:00	10/14/2013 17:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Service rig and top drive
10/14/2013 17:30	10/14/2013 20:30	3	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 30', 10 fph, 470 gpm, 235 rpm, 130 diff, WOB 16, 140R
10/14/2013 20:30	10/14/2013 23:00	2.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 159', 63.6 fph, 470 gpm, 80/235 rpm, Diff 17, WOB 23 140 GTF
10/14/2013 23:00	10/15/2013 00:30	1.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 20', 13 fph, 470 gpm, 235 rpm, Diff 255 120 R
10/15/2013 00:30	10/15/2013 04:00	3.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 262', 74.8 fph, 462 gpm, 231 rpm, Diff 255 120 R
10/15/2013 04:00	10/15/2013 06:00	2	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide drill 20 ft, 13 fph, 462 gpm, 231 rpm, diff 329 WOB 12

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Report #: 30 Daily Operation: 10/15/2013 06:00 - 10/16/2013 06:00

Job Category ORIG DRILLING				Primary Job Type ODR		AFE Number 027781
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	
51	28	18,208.0	8,315.1	9.75	NABORS DRILLING, M58	

Operations Summary

Slide and rotary drilled from 17625' to TD of 18230', Pull 1 stand and pump LCM Viscous sweep, hole unloading on bottoms up, Pull 2nd stand pump sweep, still unloading, Pull 3 rd stand and pumped sweep, pulled 4th stand and pumped final LCM sweep, hole clean, working entire length of stand while circulating, prepare to POOH for production casing.

Remarks

Nabors M-58 Released F/ University 2-6 3H to 1H @ 23:30hrs.
Accepted Rig @ 16:30hrs 9-20-13
Surface Section: 1.98 days.
Days Drilling Intermediate to TD - 7.03 Days
Intermediate section - since rig accepted: 10.31 days, Since Drill Out - 9.2 Days.
Curve and Lateral Section - 14.25 days

Rig NPT: 0 hours for previous 24 hours. 44.5 hours for month of October

Completion percentage: Surface: 100% | Intermediate: 100%; Curve: 100% ; Lateral: 100%
2.1 high, and 45.3' left.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/15/2013 06:00	10/15/2013 12:00	6	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 417', 69.5 fph, 462 gpm, 80/231 rpm, 25k WOB, 600 diff, pumping 20 bbls sweep every other connection, backreaming full stand prior to connections.
10/15/2013 12:00	10/15/2013 12:30	0.5	PROD-LOG	LOG	LOG	Relog gamma ray section from 18014-18042'.
10/15/2013 12:30	10/15/2013 14:00	1.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotary drill 190', 126.6 fph, 462 gpm, 70/231 rpm, 25k WOB, 600 diff, pumping 20 bbls sweep every other connection, backreaming full stand prior to connections. Observed 12 bbls mud losses in 30 minutes.
10/15/2013 14:00	10/15/2013 16:00	2	PROD-CIRC	CIRCULATE	CIRC	Stopped drilling. Mixing 25 bbls pumpable LCM sweep#1 with 12 ppb Tiger bullets (M) 3.5 ppb Mica(F), 35. ppb CaCo3(M). Continued circulation at 462 gpm, rotation at 70 rpm, and reciprocating full stand while preparing LCM pill. Pumped 25 bbls LCM pill #1. Observed mud losses of 10-15 bbls/hour while pumping LCM pill. Continued circulation, pumped LCM pill#2, with 15 ppb Tiger bullets(M) 5 ppb Mica(F) and 5 ppb CaCo3 (M). When LCM pill #1 returned to surface, laid down 2 joints drill pipe, continued circulation. Continued to observe mud losses of 10-15 bbls/hour. Worked pipe from 18222/18134 feet.
10/15/2013 16:00	10/15/2013 16:30	0.5	PROD-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Rig service - continued circulation during rig service.
10/15/2013 16:30	10/15/2013 21:00	4.5	PROD-CIRC	CIRCULATE	CIRC	Rack stand back in derrick after sweep returned to surface - large increase in cuttings. Circulate at 403 gpm, 80 rpm, reciprocate drill string from 18074 to 17979', pumped 20 bbls sweep. Large increase in cuttings when sweep returned to surface. Reduced system mud weight to 9.8 ppg. Racked stand back in derrick. Continued with the same parameters and pumped sweep. Worked pipe from 17979 to 17885 with same parameters.
10/15/2013 21:00	10/16/2013 01:00	4	PROD-CIRC	CIRCULATE	CIRC	Circulate at 403 gpm, 80 rpm, reciprocate drill string from 17885' to 17791', pumped 20 bbls sweep. Still significant amount of cuttings when sweep returned to surface. Racked stand back in derrick. Continued with the same parameters and pumped sweep. Worked pipe from 17885' to 17791' with same parameters. No mud losses observed.
10/16/2013 01:00	10/16/2013 01:30	0.5	PROD-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Service Rig and topdrive, adjust brakes
10/16/2013 01:30	10/16/2013 03:30	2	PROD-CIRC	CIRCULATE	CIRC	Circulate and condition mud, circulate final 20 bbl sweep, shakers clean. pumping @ 403 gpm, 80 rpm, working full stand F/17791' - T/17697'

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/16/2013 03:30	10/16/2013 04:30	1	PROD-CIRC	CIRCULATE	CIRC	Flow check well, (static), pump 50 bbls LCM pill, 15 ppb Tiger Bullets, 5 ppb mica, 5 ppb Calcarb, space out pill, follow with 283 bbls active mud, pump slug and chase with 3840 strokes mud
10/16/2013 04:30	10/16/2013 06:00	1.5	PROD-TRIP	TRIP	TRIP	Trip out of hole F/17697 to 16327', pulling 3-4 mins/std for first ten stands.

Report #: 31 Daily Operation: 10/16/2013 06:00 - 10/17/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027781
Days From Spud (days) 52	Days on Location (days) 29	End Depth (ftGRD) 18,208.0	End Depth (TVD) (ftGRD) 8,315.1	Dens Last Mud (lb/gal) 9.70	Rig NABORS DRILLING, M58	

Operations Summary

Circulated 5-20 bbl sweeps surf to surf, spotted 50 bbl LCM pill in annulus, POOH, Hole tight and dragging, Back reamed to bottom of curve, pumping sweeps while reaming and working through tight spots. Generous amounts of "old" shale cuttings observed at shakers. No hole drag and problems above 11500' to bottom of curve.

Remarks

Nabors M-58 Released F/ University 2-6 3H to 1H @ 23:30hrs.
Accepted Rig @ 16:30hrs 9-20-13
Surface Section: 1.98 days.
Days Drilling Intermediate to TD - 7.03 Days
Intermediate section - since rig accepted: 10.31 days, Since Drill Out - 9.2 Days.
Curve and Lateral Section - 15.25 days

Rig NPT: 0 hours for previous 24 hours. 44.5 hours for month of October

Completion percentage: Surface: 100% | Intermediate: 100%; Curve: 100% ; Lateral: 100%
2.1 high, and 45.3' left.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/16/2013 06:00	10/16/2013 06:30	0.5	PROD-TRIP	TRIP	TRIP	Pulled into tight spot at 16327 feet -50k overpull. Ran in hole with 3 stands drill pipe from 16327 to 16600'.
10/16/2013 06:30	10/16/2013 07:00	0.5	PROD-TRIP	TRIP	TRIP	Pulled drill string from 16600 to 16327'.
10/16/2013 07:00	10/16/2013 08:15	1.25	PROD-W&R	WASH & REAM	WASH_R EAM	Broke circulation, pumped 20 bbls sweep, backreamed from 16327 to 15670' with 400 gpm@2450 psi, 80 rpm.. Did not observe any overpulls, no mud losses or hole problems.
10/16/2013 08:15	10/16/2013 10:30	2.25	PROD-CIRC	CIRCULATE	CIRC	Continued circulation at 400 gpm@2450 psi, 80 rpm, while reciprocating drill string from 15670 to 15580'. Circulated sweep back to surface. Observed 50% increase in cuttings at surface when sweep returned, cuttings diminished after sweep past.
10/16/2013 10:30	10/16/2013 11:00	0.5	PROD-TRIP	TRIP	TRIP	Continued pulling wet pipeout of hole from 15670 to 15188'. Flow check and pumped slug.
10/16/2013 11:00	10/16/2013 11:45	0.75	PROD-TRIP	TRIP	TRIP	Continued pulling out of hole from 15188 to 14309'. Hole pulled tight at 14309' with 60k overpull. Slacked off and couldnt break free. Engaged top drive, broke circulation with 400 gpm, 80 rpm rotation. Pipe free with no drag.
10/16/2013 11:45	10/16/2013 12:30	0.75	PROD-W&R	WASH & REAM	WASH_R EAM	Pumped 20 bbls sweep, washed and reamed through tight spot at 14309; from 14279 to 14369'. Did not take weight or torque increase.
10/16/2013 12:30	10/16/2013 13:30	1	PROD-W&R	WASH & REAM	WASH_R EAM	Backreamed from 14307 to 13838', with 400 gpm, 80 rpm. Backreamed at 30-50 fpm, with no hole problems.
10/16/2013 13:30	10/16/2013 14:30	1	PROD-CIRC	CIRCULATE	CIRC	Reciprocated pipe from 13832 to 13745', while circulating at 400 gpm, rotating at 80 rpm, to circulate 20 bbls sweep to surface.
10/16/2013 14:30	10/16/2013 14:45	0.25	PROD-TRIP	TRIP	TRIP	Trip out of hole F/13838' T/13720' Tight spot at 13720' With 35 k over pull
10/16/2013 14:45	10/16/2013 15:30	0.75	PROD-CIRC	CIRCULATE	CIRC	Circulate and condition mud, build and pump 20 bbl sweep out of bit
10/16/2013 15:30	10/16/2013 16:45	1.25	PROD-W&R	WASH & REAM	WASH_R EAM	Wash and ream F/13720' T/13070', 400 gpm, 80 rpm, worked through tight spots @ 13620, 13450, 13430, 13390, 13333, 13222, 13182, 13125

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/16/2013 16:45	10/16/2013 17:15	0.5	PROD-CIRC	CIRCULATE	CIRC	Circulate and condition mud, pump sweep to surface while pumping another sweep out of bit.
10/16/2013 17:15	10/16/2013 18:00	0.75	PILOT-W&R	WASH & REAM	WASH_R EAM	Washing and ream F/13070' T/12500' 500 gpm, 80 rpm, tight spots @ 12945, 12861, 12780.
10/16/2013 18:00	10/17/2013 01:30	7.5	PROD-W&R	WASH & REAM	WASH_R EAM	Back reaming F/12500' T/8727' pumping 20 bbl sweeps to surface followed by another sweep repeating to bottom of curve. 80 rpm, 504 gpm, 7-10 mins per stand
10/17/2013 01:30	10/17/2013 02:30	1	PROD-CIRC	CIRCULATE	CIRC	Circulate and condition mud, pump 20 bbl sweep @ bottom of curve, circulate surf to surf while working pipe F/8727 T/8633, 80 rpm, 504 gpm,
10/17/2013 02:30	10/17/2013 03:00	0.5	PROD-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Service rig and top drive, adjust brakes
10/17/2013 03:00	10/17/2013 06:00	3	PROD-TRIP	TRIP	TRIP	Trip in hole F/8727 T/13120' without problems.

Report #: 32 Daily Operation: 10/17/2013 06:00 - 10/18/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027781	
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig		
53	30	18,208.0	8,315.1	9.80	NABORS DRILLING, M58		

Operations Summary

TIH F/ 13000' T/ 18230'. Circulate and Condition Hole. Performed flow check - Well Static. Pull 10 stands wet, w/ no problems. Pumped slug and POOH F/ 16912' T/ 7279'. LD singles F/ 7279' T/ 6000'.

Remarks

Nabors M-58 Released F/ University 2-6 3H to 1H @ 23:30hrs.
Accepted Rig @ 16:30hrs 9-20-13
Surface Section: 1.98 days.
Days Drilling Intermediate to TD - 7.03 Days
Intermediate section - since rig accepted: 10.31 days, Since Drill Out - 9.2 Days.
Curve and Lateral Section - 16.25 days

Rig NPT: 0 hours for previous 24 hours. 44.5 hours for month of October

Completion percentage: Surface: 100% | Intermediate: 100%; Curve: 100% ; Lateral: 100%
2.1 high, and 45.3' left.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/17/2013 06:00	10/17/2013 11:00	5	PROD-TRIP	TRIP	TRIP	Tripping in hole slowly F/13,000 T 18230' Filling pipe every 20 stds w/no problems
10/17/2013 11:00	10/17/2013 17:00	6	PROD-CIRC	CIRCULATE	CIRC	Circulate and pumping 3-40 bbl weighted sweep 1.5 lb w/high vis back to surface increased cutting by 60 % pulled one stand of pipe and pumped weighted sweep 1.5 lb w/ high vis Rotating @100 rpm w/ 500 gpm
10/17/2013 17:00	10/17/2013 17:30	0.5	PROD-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Rig Service - Top Drive, Blocks, Blackjack, 3 Hole brake adjustment,
10/17/2013 17:30	10/17/2013 21:00	3.5	PROD-CIRC	CIRCULATE	CIRC	Circulate and Condition pumped 1- 40 bbl weighted sweep 1.5 lb w/high vis back to surface increased cutting by 60 %. Pulled one stand of pipe and pumped weighted sweep 1.5 lb w/ high vis Rotating @110 rpm w/ 500 gpm. Repeat with 50bbl Sweep and shakers cleaning up after reaching surface. Pumped an additional BU, shakers clean, w/ no losses.
10/17/2013 21:00	10/17/2013 22:00	1	PROD-TRIP	TRIP	TRIP	Performed Flow Check - Well Static POOH w/ 10 stands wet F/ 17854 T/ 16912' w/ no hole problems and taking proper fill. Pumped Slug @ 16912'.
10/17/2013 22:00	10/18/2013 04:30	6.5	PROD-TRIP	TRIP	TRIP	POOH F/ 16912" T/ 7279'. Monitoring hole fill on trip tank, taking proper fill.
10/18/2013 04:30	10/18/2013 05:00	0.5	PROD-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Rig Service - Top Drive, Blocks, Drawworks, Blackjack, Change oil filter.
10/18/2013 05:00	10/18/2013 06:00	1	PROD-TRIP	TRIP	TRIP	POOH LD singles F/ 7279' T/ 6000'.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Report #: 33 Daily Operation: 10/18/2013 06:00 - 10/19/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027781
Days From Spud (days) 54	Days on Location (days) 31	End Depth (ftGRD) 18,208.0	End Depth (TVD) (ftGRD) 8,315.1	Dens Last Mud (lb/gal) 9.80	Rig NABORS DRILLING, M58	

Operations Summary

LD 5" drill pipe F/ 6000' T/ BHA. LD BHA, Drian motor and break bit. Pull wear bushing, clean floor. Cut 162' of Drill line. RU B&L Casing tools. Held safety meeting w/ all personell. After an unsuccessful attempt to use manual CDS tool, switched to Power tongs and RU same. RIH w/ 5.5" Production Csg F/ surface T/ 5028'.

Remarks

Nabors M-58 Released F/ University 2-6 3H to 1H @ 23:30hrs.
Accepted Rig @ 16:30hrs 9-20-13
Surface Section: 1.98 days.
Days Drilling Intermediate to TD - 7.03 Days
Intermediate section - since rig accepted: 10.31 days, Since Drill Out - 9.2 Days.
Curve and Lateral Section - 17.25 days

Rig NPT: 0 hours for previous 24 hours. 44.5 hours for month of October

Completion percentage: Surface: 100% | Intermediate: 100%; Curve: 100% ; Lateral: 100%
2.1 high, and 45.3' left.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/18/2013 06:00	10/18/2013 11:30	5.5	PLAN	EQUIP	DPIPE	Lay down drill pipe F/ 6000 T 95' Montioing fill with trip tank
10/18/2013 11:30	10/18/2013 13:00	1.5	PLAN	EQUIP	BHA	Laying down BHA Drain motor, break bit, LD MWD tool,
10/18/2013 13:00	10/18/2013 14:15	1.25	PLAN	EQUIP	WLHEAD	Pulled wear bushing with minium wear on off driller side 25k over pull, after several attempt to set puller.
10/18/2013 14:15	10/18/2013 14:45	0.5	UNPLAN	OTHR	U_OTR	Cleaning rig floor of oil base mud and preparing for casing run
10/18/2013 14:45	10/18/2013 15:15	0.5	PROD-RIGSVC	RIG SERVICE PLANNED	RIG_SVC	Rig Service - Top Drive
10/18/2013 15:15	10/18/2013 16:45	1.5	UNPLANNED	Other - Anything not listed above	U_OTR	cut drill line 24 wraps, 162' Horse head tq to 250 ft/lbs
10/18/2013 16:45	10/18/2013 20:30	3.75	PROD-CASE	RUN PRODUCTION CASTING	CASE	Rig Down Top drive bails and elevators. RU B&L Casing tools for 5.5" Production Csg run w/ CDS tool. RU Hydraulic unit to slips and function test same. Hydraulics was RU backwards. Remove bail clamps from rig bails and install on 18.5 ft bails.
10/18/2013 20:30	10/18/2013 21:00	0.5	PROD1	SHARE	SFTY	Held Pre-Job Safety meeting w/ all personell. Discussed buffer zone, teamwork, STOP policy, slips and trips, Housekeeping.
10/18/2013 21:00	10/18/2013 23:00	2	PROD-CASE	RUN PRODUCTION CASTING	CASE	Attempt to use CDS tool, with no luck. The manual operated CDS locked up, had trouble engaging/disengaging. Decision was made to switch to Power Tongs and RU same.
10/18/2013 23:00	10/19/2013 06:00	7	PROD-CASE	RUN PRODUCTION CASTING	CASE	MU Shoe track and pump test same, test good. RIH w/ 5.5" Production Csg. Filling every 30 jnts. RIH F/ Surface T/ 5028'.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Report #: 34 Daily Operation: 10/19/2013 06:00 - 10/20/2013 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 027781
Days From Spud (days) 55	Days on Location (days) 32	End Depth (ftGRD) 18,208.0	End Depth (TVD) (ftGRD) 8,315.1	Dens Last Mud (lb/gal) 9.80	Rig NABORS DRILLING, M58	

Operations Summary
RIH w/ 5.5", 20#, BTC TXP production Csg F/ 5028' T/ 7350'. Circulate and Condn. Change out faulty CRT. RIH F/ 7350' T/ 10031'. Circulate BU. RIH F/ 10031' T/ 17000'.

Remarks
Nabors M-58 Released F/ University 2-6 3H to 1H @ 23:30hrs.
Accepted Rig @ 16:30hrs 9-20-13
Surface Section: 1.98 days.
Days Drilling Intermediate to TD - 7.03 Days
Intermediate section - since rig accepted: 10.31 days, Since Drill Out - 9.2 Days.
Curve and Lateral Section - 18.25 days

Rig NPT: 0 hours for previous 24 hours. 44.5 hours for month of October

Completion percentage: Surface: 100% | Intermediate: 100%; Curve: 100% ; Lateral: 100%
2.1 high, and 45.3' left.

Contacted TRRC of up coming Production Cmt job @ 20:15hrs 10-19-13, Spoke w/ Pam.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/19/2013 06:00	10/19/2013 09:30	3.5	PROD-CASE	RUN PRODUCTION CASTING	CASE	Running 5.5 20# BTC TXP using elevators and power tongs due to difference in torque readings, monitoring displacement in trip tank displacement good
10/19/2013 09:30	10/19/2013 10:30	1	PROD-CIRC	CIRCULATE	CIRC	Circulate bottom up at shoe to displace slug out of pipe @7350 @ 231 gpm
10/19/2013 10:30	10/19/2013 13:00	2.5	UNPLANNED	Waiting on anything other than weather (orders, eq	U_WT	Waiting on diffenert CRT tool to change due to the first one was to hard to get released from pipe
10/19/2013 13:00	10/19/2013 13:30	0.5	UNPLANNED	Waiting on anything other than weather (orders, eq	U_WT	Changing out CRT tool and change out elevators from 150 ton to 350 ton
10/19/2013 13:30	10/19/2013 16:30	3	PROD-CASE	RUN PRODUCTION CASTING	CASE	Running casing F/7350 T 9490 Filling pipe every 20 jts torquing casing to 12,500 as per thread rep
10/19/2013 16:30	10/19/2013 17:00	0.5	UNPLANNED	Waiting on anything other than weather (orders, eq	U_WT	fill casing and change out tong F 5.5" to 10" tongs to handle torque on casing (12,500 ft/lbs)
10/19/2013 17:00	10/19/2013 18:00	1	PROD-CASE	RUN PRODUCTION CASTING	CASE	running casing F/9490 T 10031 & Montoring Displacement on trip tank Displacement good
10/19/2013 18:00	10/19/2013 19:00	1	PROD-CIRC	CIRCULATE	CIRC	Circulate and Condition @ 10031'. Circulated 1 BU, 4100stks @ 231gpm. an working while circulating
10/19/2013 19:00	10/20/2013 00:30	5.5	PROD-CASE	RUN PRODUCTION CASTING	CASE	Running casing F/10031' T/ 14100' Filling pipe every 20 jts torquing casing to 12,500 as per thread rep. Good Displacement.
10/20/2013 00:30	10/20/2013 01:30	1	PROD-CIRC	CIRCULATE	CIRC	Circulate and Condition @ 14100', 1 BU while Cleaning Rig Floor of OBM.
10/20/2013 01:30	10/20/2013 06:00	4.5	PROD-CASE	RUN PRODUCTION CASTING	CASE	Running casing F/14100' T/ 17000' Filling pipe every 20 jts torquing casing to 12,500 as per thread rep. Good Displacement.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Report #: 35 Daily Operation: 10/20/2013 06:00 - 10/21/2013 06:00

Job Category ORIG DRILLING				Primary Job Type ODR			AFE Number 027781	
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig			
56	33	18,208.0	8,315.1	9.80	NABORS DRILLING, M58			

Operations Summary
RIH w/ 5.5", 20#, BTC TXP Production Csg F/ 17000' and landed @ 18227'. RD CRT tool and RU cement head. Circulate and Condition. Held Pre-job Safety meeting w/ cement crew. Mix and Pump Production Csg Cement: 60bbls of Mud Push - 225bbls of Scavenger (lead) - 579bbls of Tail and 402bbls of h2O displacement w/ full returns throughout job. RD Cement Equipment, remaining Csg equipment. Flush stack and install Packoff. ND BOP - lift stack and install dry hole cap. Rig Released @ 06:00hrs. Final Report.

Remarks
Nabors M-58 Released F/ University 2-6 3H to 1H @ 23:30hrs.
Accepted Rig @ 16:30hrs 9-20-13
Surface Section: 1.98 days.
Days Drilling Intermediate to TD - 7.03 Days
Intermediate section - since rig accepted: 10.31 days, Since Drill Out - 9.2 Days.
Curve and Lateral Section - 19.25 days
Rig Released @ 06:00hrs 10-21-13

Rig NPT: 0 hours for previous 24 hours. 44.5 hours for month of October

Completion percentage: Surface: 100% | Intermediate: 100%; Curve: 100% ; Lateral: 100%
2.1 high, and 45.3' left.

Contacted TRRC of up coming Production Cmt job @ 20:15hrs 10-19-13, Spoke w/ Pam.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/20/2013 06:00	10/20/2013 08:30	2.5	PROD-CASE	RUN PRODUCTION CASTING	CASE	Finished running 5.5 20# BTC TXP casing F/17,000 T/18230' and landed casing @18227' Float shoe @ 18,227.35' float collar@ 18,139.00' 16 centralizer starting at 7424' T/8733.00 first marker jt. @7209.26' second maker jt @7381.00 Pup jt @18178 Ran total casing 18,229.79 431 jts of casing 2- makers jts 1-pup jt 1-hanger jt
10/20/2013 08:30	10/20/2013 09:30	1	PLAN	DRLG	CSG	Rig down casing crew & CRT tool and load out & installed cement head to circulate
10/20/2013 09:30	10/20/2013 13:00	3.5	PROD-CIRC	CIRCULATE	CIRC	Circulate staging pumps up F/20 stks T/ 65 stks 6.5 bbls p/min & work pipe 5'ft up & down good returns Bottom up gas 164 units Back Ground gas 10-16 units
10/20/2013 13:00	10/20/2013 13:30	0.5	PLAN	PERS	SFTY	Hold PJSM with rig crew & Schlumberger hands , company men, rig manger, and all third party hands

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
10/20/2013 13:30	10/20/2013 19:00	5.5	PROD-CMT	CEMENT PRODUCTION CASTING	CMT	<p>Load plugs in head swap lines to pump truck Pressure test cement lines @ 4500 psi</p> <p>Cement 5-1/2" 20 ppf P-110 Tenaris BTC as follows:</p> <p>Drop Bottom Plug. Mix and Pump @ 5 bpm</p> <p>Mud Push Express: 60 bbls @ 10.5 ppg (1 lb/bbl of MUDPUSH Express B389, 1.00 gal/bbl of B220 Surfactant, 0.100 gal/bbl of D206 Antifoam, 2833.6 lb/mgal of D031 Weighting Agent.)</p> <p>Mix and Pump @ 5 bpm</p> <p>Scavenger Slurry (Lead): 225 bbls @ 11ppg, 2.79 yield, 8.565 gal/sk h2O. Mixed with 75 lb/sk cement D049, 0.3% fluid loss D207, 10% extender D020, 6% extender D154, .2 % anti foam D046, .9% retarder D013, and .1% viscosifier D208, 1% Dispersant D065.</p> <p>Mix and Pump @ 5 bpm</p> <p>Tail Slurry: 579 bbls @ 12.5 ppg TXI Liteweight Cement. 1,986 sks (75 lb/sk) Yield 1.58 ft3/sk, Mix Fluid 8.564 gal/sk. Additives: 1.5 % BWOC (D174) Expanding Agent, 0.300 % BWOC (D207) Fluid Loss, 0.200 % BWOC (D046) Anti Foam, 0.2000 % BWOC (D201) Retarder, .0200% BWOC (D065) Dispersant, 0.1 % BWOC (D208) Viscosifier</p> <p>Drop Top Plug. Mix and Pump @ 5 bpm</p> <p>Displacement, 402 bbls fresh water @ 8.32 lb/gal. mix w/0.084 gal/bbl B244 Green-Cide 25G biocide. Plug down @ 19:00 10/20/2013.</p> <p>Bumped Plug @ 500psi over final lift pressure of 2083psi (2571psi)</p> <p>Circulated out 55bbls of mud push to surface Full returns throughout operations.</p> <p>Lift Pressures: 10 bbls - 7.7 bpm - 240 psi, 100 bbls - 7.9 bpm - 1077 psi, 200 bbls- 6.1 bpm- 1838 psi, 300 bbls- 6.1 bpm- 2080 psi, 380 bbls- 3.2 bpm- 1899 psi, 390 bbls- 3.2 bpm- 1897 psi, 402 bbls- 2.3 bpm- 1954 psi</p>
10/20/2013 19:00	10/20/2013 20:00	1	PROD-CMT	CEMENT PRODUCTION CASTING	CMT	RD Schlumberger cement Head, chiksons, and Circulating iron.
10/20/2013 20:00	10/20/2013 22:30	2.5	PROD-CMT	CEMENT PRODUCTION CASTING	CMT	Breakout landing jnt, and LD same. LD csg slips and Hydraulic Unit. Re-install Master bushing. RU wash jnt and flush stack with 50bbls of diesel. LD same.
10/20/2013 22:30	10/21/2013 02:00	3.5	PROD1	SHARE	WLHEAD	Drain stack. PU land jnt w/ pack off and set same. (Troubleshoot Rig Vac, discharge line packed off, couldn't maintain suction to clean out cellar). LD landing jnt.
10/21/2013 02:00	10/21/2013 06:00	4	PROD1	SHARE	BOPS	Nipple Down BOP's - Pull mouse hole, remove drip pans, remove flowline from bell nipple, remove turnbuckles, latch on to Stack and Break bolts. PU stack and install Dry Hole Cap. Rig Release to University 2-6 2H @ 06:00 hrs.

Report #: 1 Daily Operation: 12/3/2013 06:00 - 12/4/2013 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027778
Days From Spud (days) 100	Days on Location (days) 1	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	
Operations Summary Plumb wellhead to surface, Set B section and lower half of frac stack. SDFN						
Remarks						

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/3/2013 06:00	12/3/2013 18:00	12	COMPL	ND, NU, Testing, Sleeve Installation, Greasing Wel	WLHEAD	Plumb wellhead to surface, install B section and lower half of frac stack
12/3/2013 18:00	12/4/2013 06:00	12	COMPL	Shut down for night	SDFN	Secure well SDFN

Report #: 2 Daily Operation: 12/4/2013 06:00 - 12/5/2013 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027778
Days From Spud (days) 101	Days on Location (days) 2	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig API, <rigno>	

Operations Summary

No activity, rig up API and ran gage ring and CBL from 8,420' to surface. One run with 1500 PSI and one with out PSI.

Remarks

Down time API--2.75 Hrs

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/4/2013 06:00	12/4/2013 07:00	1	COMPL	Other operations	OTHR	No activity
12/4/2013 07:00	12/4/2013 09:00	2	COMPL	cement bond log	LOGCBL	Rig up API wireline, ran 4.65 gage ring to 8475'.
12/4/2013 09:00	12/4/2013 10:00	1	COMPL_UNPLN D	Downtime related to logging tool failure	U_LOG	Tools failed, pull out of hole and rehead line,
12/4/2013 10:00	12/4/2013 12:30	2.5	COMPL	cement bond log	LOGCBL	Run in hole with CBL tool and log from 8470' to 3500' tools failed.
12/4/2013 12:30	12/4/2013 14:15	1.75	COMPL_UNPLN D	Downtime related to logging tool failure	U_LOG	Pull out of hole and change out CBL tool.
12/4/2013 14:15	12/4/2013 16:45	2.5	COMPL	cement bond log	LOGCBL	Run in hole with CBL tool to 8420' run log under 1500 PSI to surface.
12/4/2013 16:45	12/5/2013 06:00	13.2 5	COMPL	Shut down for night	SDFN	Secure well and shut down for night

Report #: 3 Daily Operation: 12/5/2013 06:00 - 12/6/2013 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027778
Days From Spud (days) 102	Days on Location (days) 3	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig ESCO, 240	

Operations Summary

No activity, Move in and rig up work over rig and support equipment, Begin trip in hole.

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/5/2013 06:00	12/5/2013 11:00	5	COMPL	Other operations	OTHR	No activity
12/5/2013 11:00	12/5/2013 18:00	7	COMPL	RURD any equipment: WL, EL, CT, etc.	RURD	Move in work over rig, spot rig, set pipe racks and cat walk, off load work string, nipple up BOP's bird bath and BIW head,
12/5/2013 18:00	12/5/2013 18:30	0.5	PROD1	SHARE	SFTY	Shift change, held safety meeting with night crew. Discussed slips/falls/ice and cold weather.
12/5/2013 18:30	12/5/2013 23:30	5	COMPL	RURD any equipment: WL, EL, CT, etc.	RURD	Finish RU Make adjustments to new rig Tally pipe/test BOP to 5000 psi.
12/5/2013 23:30	12/6/2013 00:00	0.5	COMPL	Other operations	OTHR	Lunch
12/6/2013 00:00	12/6/2013 06:00	6	COMPL	Clean out with tubulars @ beginning of completion	TUB-CLNOUT	Trip pipe in hole. 4.625" JZ Bit, xover to 2 3/8 Ph6 conn. 2.375" Ph6 p110. 120 jts IH at report time

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Report #: 4 Daily Operation: 12/6/2013 06:00 - 12/7/2013 06:00

Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 027778
Days From Spud (days) 103	Days on Location (days) 4	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig ESCO, 240	

Operations Summary

PJSM, continue to trip in hole with work string, shut down and made repairs to drum and hoses for weight indicator. Unable to receive acid and limoene due to icy conditions in Midland. Spend night ops for tonight. SDFN

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/6/2013 06:00	12/6/2013 14:00	8	COMPL	Clean out with tubulars @ beginning of completion	TUB-CLNOUT	Continue to trip in hole with work string, running at reduced rate due to not being able to tie back to two lines due to drill line dog knot. Shut down and made repairs to rig drum and weight indicators hoses. Suspend ops for tonight due to not being able to receive acid and limoene due to icy conditions in Midland. Will resume night ops tomorrow. EOT 10,350'
12/6/2013 14:00	12/7/2013 06:00	16	COMPL	Shut down for night	SDFN	Shut down for night

Report #: 5 Daily Operation: 12/7/2013 06:00 - 12/8/2013 06:00

Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 027778
Days From Spud (days) 104	Days on Location (days) 5	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig ESCO, 240	

Operations Summary

PJSM, Finish in hole with tubing, Circ 600gal Limonene and Bottoms up. POOH

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/7/2013 06:00	12/7/2013 06:15	0.25	PLAN	PERS	SFTY	PJSM
12/7/2013 06:15	12/7/2013 09:15	3	COMPL	Clean out with tubulars @ beginning of completion	TUB-CLNOUT	Trip in hole with tubing
12/7/2013 09:15	12/7/2013 10:00	0.75	COMPL	Other operations	OTHR	Hose off bird bath froze, removed hose and defrosted.
12/7/2013 10:00	12/7/2013 14:00	4	COMPL	Clean out with tubulars @ beginning of completion	TUB-CLNOUT	Clutch on work over rig not setting correctly.
12/7/2013 14:00	12/7/2013 17:30	3.5	UNPLANNED	Rig Repair (CODE 8, Rig Repair)	U_RIG	Clutch not working waiting on Mechanic to make repairs, clutch valve frozen, change out valve and check air lines.
12/7/2013 17:30	12/7/2013 20:00	2.5	COMPL	Clean out with tubulars @ beginning of completion	TUB-CLNOUT	Finish in hole with workstring.
12/7/2013 20:00	12/7/2013 23:15	3.25	COMPL	Clean out with tubulars @ beginning of completion	TUB-CLNOUT	Tag bottom 18,124' jt 604. Lay tag joint down. Circulate 600 gals Limonene followed by freshwater. Circulate bottoms up.
12/7/2013 23:15	12/8/2013 00:30	1.25	COMPL	Clean out with tubulars @ beginning of completion	TUB-CLNOUT	Prep rig to pooh doubles. Tie back. Swap iron to roll over water tanks.
12/8/2013 00:30	12/8/2013 06:00	5.5	COMPL	Clean out with tubulars @ beginning of completion	TUB-CLNOUT	Pull doubles out of hole. Pulled 233 jts 2 7/8 OOH. Currently pulling stands of 2 3/8 for 1 hr at report time

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Report #: 6 Daily Operation: 12/8/2013 06:00 - 12/9/2013 06:00

Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 027778
Days From Spud (days) 105	Days on Location (days) 6	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig ESCO, 240	

Operations Summary

PJSM, pull out of hole with workstring, cut drill line damaged, make up TCP, trip in hole, space out, 17' off bottom, SPI up to 1700 saw two bumps did not lose PSI indications guns fired, PSI up to 3500 PSI shut down 5 minutes PSI 2500, crew change, pull out of hole with TCP laying down singles.

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/8/2013 06:00	12/8/2013 06:15	0.25	PLAN	PERS	SFTY	PJSM
12/8/2013 06:15	12/8/2013 09:00	2.75	COMPL	Clean out with tubulars @ beginning of completion	TUB-CLNOUT	Pull out of hole with workstring. Last 80 stds work string was improperly torqued (low) will check in-betweens running TCP.
12/8/2013 09:00	12/8/2013 10:30	1.5	UNPLANNED	Rig Repair (CODE 8, Rig Repair)	U_RIG	Slip line on drum and cut drill line--line damaged while tie back to two lines.
12/8/2013 10:30	12/8/2013 17:30	7	COMPL	TCP operations	TCP	Make up 5--3 3/8" direct fire guns. Trip in hole with tubing. checking torque on work string.
12/8/2013 17:30	12/8/2013 18:00	0.5	COMPL	TCP operations	TCP	Tag bottom 18,124', pick up 17', PSI up on casing to 1700 PSI saw tow bumps indication guns fired, bring PSI up to 3500 PSI shut down bled off to 2500 in 5 minutes crew change .
12/8/2013 18:00	12/8/2013 19:00	1	COMPL	TCP operations	TCP	Safety meeting. WHP 2400psi. Bleed pressure off. Tie back.
12/8/2013 19:00	12/8/2013 23:30	4.5	COMPL	TCP operations	TCP	Trip out of hole laying down singles.
12/8/2013 23:30	12/9/2013 00:30	1	COMPL	Other operations	OTHR	Lunch
12/9/2013 00:30	12/9/2013 06:00	5.5	COMPL	TCP operations	TCP	Tripping pipe out of hole laying down singles

Report #: 7 Daily Operation: 12/9/2013 06:00 - 12/10/2013 06:00

Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 027778
Days From Spud (days) 106	Days on Location (days) 7	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

PJSM, Finish out of hole with workstring, all guns fired, rig down work over rig, secure well, ready for frac.

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/9/2013 06:00	12/9/2013 06:15	0.25	PLAN	PERS	SFTY	PJSM
12/9/2013 06:15	12/9/2013 07:15	1	COMPL	TCP operations	TCP	Finish out of hole with workstring.
12/9/2013 07:15	12/9/2013 11:00	3.75	COMPL	RURD any equipment: WL, EL, CT, etc.	RURD	Out of hole with guns, all guns fired, rig down guns, rig down work over rig and move to Giddings lease.
12/9/2013 11:00	12/10/2013 06:00	19	COMPL	Shut down for night	SDFN	Service frac valve. Secure well ready to frac.

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

Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 027778
Days From Spud (days) 107	Days on Location (days) 8	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

Well shut in ready to frac

Remarks

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/10/2013 06:00	12/11/2013 06:00	24	COMPL	Other operations	OTHR	Frac ready waiting on frac crew

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

Job Category			Primary Job Type			AFE Number
ORIG COMPLETION			OCM			027778
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	
108	9	-22.0				

Operations Summary

WSI,Await Frac Ops

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/11/2013 06:00	12/12/2013 06:00	24	COMPL	Other operations	OTHR	WSI,Await Frac Ops

Report #: 10 Daily Operation: 12/12/2013 06:00 - 12/13/2013 06:00

Job Category			Primary Job Type			AFE Number
ORIG COMPLETION			OCM			027778
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	
109	10	-22.0			PIONEER PUMPING SERVICES, P.A.T	

Operations Summary

WSI,MIRU PPS and all third party equipment

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/12/2013 06:00	12/13/2013 06:00	24	MOBILIZATION	MIRU	MIRU	WSI,MIRU PPS and all third party equipment.

Report #: 11 Daily Operation: 12/13/2013 06:00 - 12/14/2013 06:00

Job Category			Primary Job Type			AFE Number
ORIG COMPLETION			OCM			027778
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	
110	11	-22.0			PIONEER PUMPING SERVICES, P.A.T	

Operations Summary

Frac Stages 0 thru 0

Perf Stages 0 thru 0

Currently waiting PPS to finish working on pumps before starting stage #1 @ Report Time.

Remarks

PPS Down Time: 6.00 Hrs_Cum 6.00 Hrs

E&P Down Time: 0.00 Hrs_Cum 0.00 Hrs

Select Down Time: 0.00 Hrs_Cum 0.00 Hrs

FTR: 0000 bbls

RT: 0000 bbls

CR: 0000 bbls

LTR: 0000 bbls

TSIF: 000000 lbs

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/13/2013 06:00	12/13/2013 08:30	2.5	MOBILIZATION	MIRU	MIRU	MIRU
12/13/2013 08:30	12/14/2013 02:30	18	COMPL	Other operations	OTHR	Waiting on Frac Ops on wells #2H & #3H.
12/14/2013 02:30	12/14/2013 06:00	3.5	COMPL_UNPLN D	Unplanned time due to PXD pumping services`	U_PEPX D	Currently waiting on PPS to finish working on pumps @ report time.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Report #: 12 Daily Operation: 12/14/2013 06:00 - 12/15/2013 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027778
Days From Spud (days) 111	Days on Location (days) 12	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, P.A.T	

Operations Summary

Frac Stages 1 thru 2
Perf Stages 2 thru 3

Ran chemicals with Pro-Technics in all stages
Held 1,500 psi on the intermediate casing

Remarks

PPS Down Time: 3.00 Hrs__Cum 9.00 Hrs
E&P Down Time: 0.00 Hrs__Cum 0.00 Hrs
Select Down Time: 0.00 Hrs__Cum 0.00 Hrs

FTR: 21,172 bbls

RT: 0000 bbls

CR: 0000 bbls

LTR: 21,172 bbls

TSIF:752,325 lbs

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/14/2013 06:00	12/14/2013 08:15	2.25	COMPL	Frac	STIM	Frac Stage # 1of 33. Test stack to 9,500 PSI , Frac perms as proposed W/ 45 bbls. 15% HCL 38,035 # 100 MESH / 362,570 # 30/50 Brady/ 9,471 BBLS Slickwater fluid, down 5.5' CSG Formation broke @ 50 BPM/ 5,783 PSI Acid on form @ 50 BPM/ 5,697 PSI Acid cleared @ 60 BPM/ 6,399 PSI Pad ISIP: 3,290 PSI Avg rate: 77 BPM Avg PSI: 6,681 Max rate: 80.0 BPM Max PSI: 7,659 ISIP: 3,174 PSI FG .81 FTR: 9,471 BBLS LTR Total: 9,471 BBLS SIF: 400,605 # Total SIF: 400,605 #
12/14/2013 08:15	12/14/2013 15:30	7.25	COMPL	Other wireline operations	WLOTHR	Waited on wireline to rehead and had to reposition the logging truck in order to tie on the 1H well. Also found that the threads on BOP connector were bad. had problems tying on to the wireline adapter.
12/14/2013 15:30	12/14/2013 18:00	2.5	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU E&P WL for stage #2 of 33. RIH & pumped down w/Baker CFP & 5 - 3-1/8" guns, set CFP @ 17,848' Perforated Intervals: 17,819-17,817 / 17,759-17,757 / 17,699-17,697 / 17,639-17,637 / 17,579-17,577' w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 40 holes total. POOH, RD WL. Pump Down @ 15 bpm / 6,500 psi. Line Speed 260 ft/min Used 456 bbls LTR Total 9,927 Bbls
12/14/2013 18:00	12/14/2013 19:30	1.5	COMPL	Other operations	OTHR	Waiting for Frac Ops on #3H
12/14/2013 19:30	12/14/2013 22:30	3	COMPL_UNPLN D	Unplanned time due to PXD pumping services`	U_PEPX D	Waiting on PPS to finish going thru pumps

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/14/2013 22:30	12/15/2013 01:30	3	COMPL	Frac	STIM	<p>Frac Stage # 2 of 33. Test stack to 9,500 PSI , Frac perms as proposed W/ 36 bbls. 15% HCL</p> <p>37,078 # 100 MESH / 314,334 # 30/50 Brady/ 10,720 BBLS Slickwater fluid, down 5.5' CSG</p> <p>Formation broke @ 20 BPM/ 4,256 PSI</p> <p>Stepdown: @ 80 BPM/8,527 @ 60 BPM/5,490 @ 40 BPM/4,555 @ 20 BPM/3,805</p> <p>P-ISIP: 3,217 / 5 Min: 2,715</p> <p>Avg rate: 78.3 BPM Avg PSI: 6900 Max rate: 80.0 BPM Max PSI: 7739</p> <p>ISIP: 3377 PSI FG .84</p> <p>FTR: 20,647 BBLS SIF: 351,412 # Total SIF: 752,325 #</p> <p>Had issues with formation after performing stepdown. Pad psi had increased slightly right before starting 100 mesh and during the mesh @ .50 psi kept creeping up. Pumped .50 for 11k lbs and swept it. started mesh again on .50 and increased to 1.0 ppg, completed the 37500 lbs and swept it again, spotted acid and psi dropped and were able to get gel going and started 30/50.</p>
12/15/2013 01:30	12/15/2013 04:30	3	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	<p>RU E&P WL for stage #3 of 33. RIH & pumped down w/Baker CFP & 5 – 3-1/8" guns, set CFP @ 17,548' Perforated Intervals: 17,519-17,517 / 17,459-17,457 / 17,399-17,397 / 17,339-17,337 / 17,279-17,277' w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 40 holes total. POOH, RD WL.</p> <p>Pump Down @ 18 bpm / 7000 psi. Line Speed 300 ft/min</p> <p>Used 525 bbls LTR Total 21,172 Bbls</p>
12/15/2013 04:30	12/15/2013 06:00	1.5	COMPL	Other operations	OTHR	WSI pending ops on 2H and 3H

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Report #: 13 Daily Operation: 12/15/2013 06:00 - 12/16/2013 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027778
Days From Spud (days) 112	Days on Location (days) 13	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, P.A.T	

Operations Summary

Frac Stages 3 & 4
Perf Stages 4 & 5

Ran chemicals with Pro-Technics in all stages
Held 1,500 psi on the intermediate casing.

Currently waiting on frac ops on #2H & #3H @ Report Time.

Remarks

PPS Down Time: 2.00 Hrs__Cum 11.00 Hrs
E&P Down Time: 0.00 Hrs__Cum 0.00 Hrs
Select Down Time: 0.00 Hrs__Cum 0.00 Hrs
Priority Down Time: 1.50 Hrs__Cum 1.50 Hrs

FTR: 40,111 bbls

RT: 0000 bbls

CR: 0000 bbls

LTR: 40,111 bbls

TSIF: 1,454,916 lbs

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/15/2013 06:00	12/15/2013 08:45	2.75	COMPL	Other operations	OTHR	WSI, Waited on frac ops on the 2H and 3H
12/15/2013 08:45	12/15/2013 11:00	2.25	COMPL_UNPLN D	Unplanned time due to PXD pumping services`	U_PEPX D	Had to change out the top seal on the night cap and had problems with the computers in the data van and had to replace a d-ring on a frac pump. PPS also had replace a 3' tee on the back of another pump.
12/15/2013 11:00	12/15/2013 13:30	2.5	COMPL	Frac	STIM	<p>Frac Stage # 3 of 33. Test stack to 9,500 PSI , Frac perms as proposed W/ 45 bbls. 15% HCL 38,554 # 100 MESH / 313,539 # 30/50 Brady/ 9,336 BBLS Slickwater fluid, down 5.5' #20 CSG</p> <p>Formation broke @ 15 BPM/ 4,249 PSI</p> <p>Shutdown: @ 80 BPM/ 6,411 PSI @ 60 BPM/ 5,405 PSI @ 40 BPM/ 4,459 PSI @ 20 BPM/ 3,691 PSI</p> <p>Pad ISIP: 3,122 PSI / 5 Min: 2,863 PSI</p> <p>Avg rate: 80 BPM Avg PSI: 6,723 Max rate: 80.0 BPM Max PSI: 8,045</p> <p>ISIP: 2,969 PSI FG .79</p> <p>FTR: 30,508 BBLS SIF: 352,093 # TOTAL SIF: 1,104,418 #</p> <p>Note-Lsot the hopper during the 1# 100 mesh stage due to the sand silo going empty.</p>

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/15/2013 13:30	12/15/2013 16:00	2.5	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU E&P WL for stage #4 of 33. RIH & pumped down w/Baker CFP & 5 – 3-1/8" guns, set CFP @ 17,248' Perforated Intervals: 17,219-17,217 / 17,159-17,157 / 17,099-17,097 / 17,039-17,037 / 16,979-16,977' w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 40 holes total. POOH, RD WL. Pump Down @ 15 bpm / 6,000 psi. Line Speed 260 ft/min Used 355 bbls FTR Total XX 30.863 Bbls
12/15/2013 16:00	12/15/2013 21:30	5.5	COMPL	Other operations	OTHR	WSI, Waited on frac ops on the 2H and 3H
12/15/2013 21:30	12/15/2013 23:00	1.5	COMPL	Other operations	OTHR	Waiting priority to finish greasing valves before starting stage #4
12/15/2013 23:00	12/16/2013 01:30	2.5	COMPL	Frac	STIM	Frac Stage # 4 of 33. Test stack to 9,500 PSI , Frac perfs as proposed W/ 36 bbls. 15% HCL 35,358 # 100 MESH / 315,498 # 30/50 Brady/ 8,768 BBLS Slickwater fluid, down 5.5' #20 CSG Formation broke @ 20 BPM/ 4,105 PSI Shutdown: @ 80 BPM/6,400 PSI @ 60 BPM/5,292 PSI @ 40 BPM/4,381 PSI @ 20 BPM/3,672 PSI Pad ISIP: 3,231 PSI / 5 Min: 3,,183 PSI Avg rate: 80.3 BPM Avg PSI: 6,536 Max rate: 80.0 BPM Max PSI: 7,295 ISIP: 3,096 PSI FG .81 FTR: 39,631 BBLS SIF: 350,856 # TOTAL SIF: 1,454,916 #
12/16/2013 01:30	12/16/2013 04:30	3	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU E&P WL for stage #5 of 33. RIH & pumped down w/Baker CFP & 5 – 3-1/8" guns, set CFP @ 16,948' Perforated Intervals: 16,919-16,917 / 16,859-16,857 / 16,799-16,797 / 16,739-16,737 / 16,679-16,677' w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 40 holes total. POOH, RD WL. Pump Down @ 16 bpm / 5800 psi. Line Speed 290 ft/min Used 480 bbls FTR Total 40,111 Bbls
12/16/2013 04:30	12/16/2013 06:00	1.5	COMPL	Other operations	OTHR	Currently waiting on frac ops on #2H & #3H @ Report Time.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Report #: 14 Daily Operation: 12/16/2013 06:00 - 12/17/2013 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM		AFE Number 027778
Days From Spud (days) 113	Days on Location (days) 14	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, P.A.T

Operations Summary

Frac Stages 5 & 6
Perf Stages 6 & 7

Ran chemicals with Pro-Technics in all stages
Held 1,500 psi on the intermediate casing.

Could not pump sand into formation on Stage #6 due to high psi during pad
Please go over time log for further info.

Currently waiting on frac ops on #2H & #3H @ Report Time.

Remarks

PPS Down Time: 1.00 Hrs__Cum 12.00 Hrs
E&P Down Time: 0.00 Hrs__Cum 0.00 Hrs
Select Down Time: 0.00 Hrs__Cum 0.00 Hrs
Priority Down Timw: 0.00 Hrs__Cum 1.50 Hrs

FTR: 56,723 bbls

RT: 0000 bbls

CR: 0000 bbls

LTR: 56,723 bbls

TSIF:1,813,934 lbs

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/16/2013 06:00	12/16/2013 10:00	4	COMPL	Other operations	OTHR	WSI,Waited on frac ops on the 2H and 3H
12/16/2013 10:00	12/16/2013 12:15	2.25	COMPL	Frac	STIM	<p>Frac Stage # 5 of 33. Test stack to 9,500 PSI , Frac perms as proposed W/ 31 bbls. 15% HCL 37,692 # 100 MESH / 312,880 # 30/50 Brady/ 8,842 BBLS Slickwater fluid, down 5.5' #20 CSG</p> <p>Formation broke @ 12 BPM/ 4,338 PSI</p> <p>Shutdown: @ 80 BPM/ 6,580 PSI @ 60 BPM/ 5,592 PSI @ 40 BPM/ 4,670 PSI @ 20 BPM/ 3,785 PSI</p> <p>Pad ISIP: 3,214 PSI / 5 Min: 2,903 PSI</p> <p>Avg rate: 79 BPM Avg PSI: 6,885 Max rate: 80.0 BPM Max PSI: 7,974</p> <p>ISIP: 2,995 PSI FG .79</p> <p>FTR: 48,953 BBLS SIF: 350,572 # TOTAL SIF: 1,805,488 #</p> <p>Note-Lost a pump during the .5# 100 mesh stage</p>
12/16/2013 12:15	12/16/2013 14:45	2.5	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	<p>RU E&P WL for stage #6 of 33. RIH & pumped down w/Baker CFP & 5 - 3-1/8" guns, set CFP @ 16,648' Perforated Intervals: 16,619-16,617 / 16,559-16,557 / 16,499-16,497 / 16,439-16,437 / 16,379-16,377' w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 40 holes total. POOH, RD WL.</p> <p>Pump Down @ 15 bpm / 6,000 psi. Line Speed 260 ft/min</p> <p>Used 337 bbls FTR Total 49,290 Bbls</p>

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/16/2013 14:45	12/16/2013 20:45	6	COMPL	Other operations	OTHR	WSI, Waited on frac ops on the 2H and 3H
12/16/2013 20:45	12/16/2013 21:45	1	COMPL_UNPLN D	Unplanned time due to PXD pumping services`	U_PEPX D	Waiting on PPS to get computers on Data Van working again.
12/16/2013 21:45	12/16/2013 23:15	1.5	COMPL	Frac	STIM	Attempted to frac stage #6 but after the stepdown pad psi treated approx @ 9300 #. Ran (2) .50 ppg slugs of 100 mesh and psi increased Spearheaded another 1500 gals 15% HCL broke back some but not enough to frac. Called Engineer and advised me to reperf zone 10' above orinigal perfs. Pumped a total of 4,433 bbls and 72 bbls of acid and 2,475 lbs of 100 mesh.
12/16/2013 23:15	12/17/2013 01:45	2.5	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU E&P WL to reshoot stage #6 of 33. RIH & pumped down 3-1/8" guns, Perforated Intervals: 16,367' / 16,369' - 16,427'/16,429' - 16,487'/16,489'-16,547'/16,549'-16,607'/16,609' w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 40 holes total. POOH, RD WL. Pump Down @ 21 bpm / 7700 psi. Line Speed 300 ft/min Used 619 bbls FTR Total 54,342 Bbls
12/17/2013 01:45	12/17/2013 03:15	1.5	COMPL	Frac	STIM	2 nd atempt could not pump any sand into it without psi increasing to 9,500. Frac Stage # 6 of 33. Test stack to 9,500 PSI , Pumped 15% HCL : 108 BBLS Slickwater Fluid Pumped: 1962 bbls Formation broke @ 20 BPM/ 4,954 PSI Shutdown: @ 80 BPM/7078 PSI @ 60 BPM/6014 PSI @ 40 BPM/5056 PSI @ 20 BPM/3976 PSI Pad ISIP: 3195 PSI / 5 Min: 2945 PSI Avg rate: XX BPM Avg PSI: XXXX Max rate: 80.0 BPM Max PSI: XXXX FTR: 56,304 BBLS SIF: 8,446 # TOTAL SIF: 1,813,934 #
12/17/2013 03:15	12/17/2013 06:00	2.75	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU E&P WL for stage #7 of 33. RIH & pumped down w/ 5 - 3-1/8" guns, Perforated Intervals: 16,319-16,317 / 16,259-16,257 / 16,199-16,197 / 16,139-16,137 / 16,079-16,077' w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 40 holes total. POOH, RD WL. Pump Down @ 18 bpm / 6700 psi. Line Speed 300 ft/min Used 419 bbls FTR Total 56,723 Bbls

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Report #: 15 Daily Operation: 12/17/2013 06:00 - 12/18/2013 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027778
Days From Spud (days) 114	Days on Location (days) 15	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, P.A.T	

Operations Summary

Frac Stages 7, 8
Perf Stages 8, 9

Ran chemicals with Pro-Technics in all stages
Held 1,500 psi on the intermediate casing.

Could not pump sand into formation on Stage #6 due to high psi during pad
Please go over time log for further info.

Currently waiting on frac ops on #2H & #3H @ Report Time.

Remarks

PPS Down Time: 1.00 Hrs__Cum 12.00 Hrs
E&P Down Time: 0.00 Hrs__Cum 0.00 Hrs
Select Down Time: 0.00 Hrs__Cum 0.00 Hrs
Priority Down Timw: 0.00 Hrs__Cum 1.50 Hrs

FTR: 74,886 bbls

RT: 0000 bbls

CR: 0000 bbls

LTR: 74,886 bbls

TSIF:2,516,390 lbs

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/17/2013 06:00	12/17/2013 13:15	7.25	COMPL	Other operations	OTHR	WSI,Waited on frac ops on the 2H and 3H
12/17/2013 13:15	12/17/2013 15:30	2.25	COMPL	Frac	STIM	<p>Frac Stage # 7 of 33. Test stack to 9,500 PSI , Frac perms as proposed W/ 72 bbls. 15% HCL 37,729 # 100 MESH / 313,656 # 30/50 Brady/ 8,956 BBLS Slickwater fluid, down 5.5' #20 CSG</p> <p>Formation broke @ 50 BPM/ 6,444 PSI</p> <p>Shutdown: @ 80 BPM/ 6,294 PSI @ 60 BPM/ 5,223 PSI @ 40 BPM/ 4,363 PSI @ 20 BPM/ 3,595 PSI</p> <p>Pad ISIP: 3,119 PSI / 5 Min: 2,931 PSI</p> <p>Avg rate: 79 BPM Avg PSI: 6,324 Max rate: 80.0 BPM Max PSI: 6,681</p> <p>ISIP: 3,002 PSI FG .79</p> <p>FTR: 65,679 BBLS SIF: 351,385 # TOTAL SIF: 2,165,319 #</p> <p>Note-Differential frac. No plug was set due to prior pressure issues on stage 6.</p>

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/17/2013 15:30	12/17/2013 18:30	3	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU E&P WL for stage #8 of 33. RIH & pumped down w/Baker CFP & 5 – 3-1/8" guns, set CFP @ 16,048' Perforated Intervals: 16,019-16,017 / 15,959-15,957 / 15,899-15,897 / 15,839-15,837 / 15,779-15,777' w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 40 holes total. POOH, RD WL. Pump Down 15 bpm / 5,300 psi. Line Speed 270 ft/min Used 331 bbls FTR Total 66,010 Bbls
12/17/2013 18:30	12/17/2013 23:30	5	COMPL	Other operations	OTHR	WSI Pending ops on 2H and 3H
12/17/2013 23:30	12/18/2013 01:30	2	COMPL	Other operations	OTHR	Waiting on Priority to finish greasing valves
12/18/2013 01:30	12/18/2013 03:30	2	COMPL	Frac	STIM	Frac Stage # 8 of 33. Test stack to 9,500 PSI , Frac perfs as proposed W/ 57 bbls. 15% HCL 36,720 # 100 MESH / 314,351 # 30/50 Brady/ 8,515 BBLS Slickwater fluid, down 5.5' #20 CSG Formation broke @ 20 BPM/ 4,239 PSI Pad ISIP: 3,149 PSI Avg rate: 80.3 BPM Avg PSI: 6404 Max rate: 80.0 BPM Max PSI: 7187 ISIP: 3091 PSI FG .81 FTR: 74,525 BBLS SIF: 351,071 # TOTAL SIF: 2,516,390 #
12/18/2013 03:30	12/18/2013 06:00	2.5	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU E&P WL for stage #9 of 33. RIH & pumped down w/Baker CFP & 5 – 3-1/8" guns, set CFP @ 15,748' Perforated Intervals: 15,719-15,717 / 15,659-15,657 / 15,599-15,597 / 15,539-15,537 / 15,479-15,477' w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 40 holes total. POOH, RD WL. Pump Down @ 15 bpm / 6000 psi. Line Speed 300 ft/min Used 361 bbls FTR Total 74,886 Bbls

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Report #: 16 Daily Operation: 12/18/2013 06:00 - 12/19/2013 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027778
Days From Spud (days) 115	Days on Location (days) 16	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, P.A.T	

Operations Summary

Frac Stages 9 thru 10
Perf Stages 10 thru 11

Ran chemicals with Pro-Technics in all stages
Held 1,500 psi on the intermediate casing.

Remarks

PPS Down Time: 1.00 Hrs__Cum 12.00 Hrs
E&P Down Time: 0.00 Hrs__Cum 0.00 Hrs
Select Down Time: 0.00 Hrs__Cum 0.00 Hrs
Priority Down Timw: 0.00 Hrs__Cum 1.50 Hrs

FTR: 93,433 bbls

RT: 0000 bbls

CR: 0000 bbls

LTR: 93,433 bbls

TSIF:3,221,601 lbs

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/18/2013 06:00	12/18/2013 11:10	5.16 7	COMPL	Other operations	OTHR	WSI, Waited on frac ops on the 2H and 3H
12/18/2013 11:10	12/18/2013 13:25	2.25	COMPL	Frac	STIM	<p>Frac Stage # 9 of 33. Test stack to 9,500 PSI , Frac perms as proposed W/ 72 bbls. 15% HCL 38,857 # 100 MESH / 313,133 # 30/50 Brady/ 8,987 BBLS Slickwater fluid, down 5.5' #20 CSG</p> <p>Formation broke @ 50 BPM/ 3,669 PSI</p> <p>Shutdown: @ 80 BPM/ 5,993 PSI @ 60 BPM/ 4,935 PSI @ 40 BPM/ 4,127 PSI @ 20 BPM/ 3,504 PSI</p> <p>Pad ISIP: 3,090 PSI / 5 Min: 2,714 PSI</p> <p>Avg rate: 80 BPM Avg PSI: 6,104 Max rate: 80.0 BPM Max PSI: 6,791</p> <p>ISIP: 3,095 PSI FG .81</p> <p>FTR: 83,873 BBLS SIF: 351,990 # TOTAL SIF: 2,868,380 #</p>
12/18/2013 13:25	12/18/2013 14:40	1.25	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	<p>RU E&P WL for stage #10 of 33. RIH & pumped down w/Baker CFP & 5 – 3-1/8" guns, set CFP @ 15,448' Perforated Intervals: 15,417'-15,419' / 15,357'-15,359' / 15,297'-15,299' / 15,237'-15,239' / 15,177'-15,179' w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 40 holes total. POOH, RD WL.</p> <p>Pump Down 15 bpm / 5700 psi. Line Speed 300 ft/min</p> <p>Used 340 bbls FTR Total 84,213 Bbls</p>
12/18/2013 14:40	12/18/2013 20:10	5.5	COMPL	Other operations	OTHR	WSI Pending ops on 2H and 3H

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/18/2013 20:10	12/18/2013 22:40	2.5	COMPL	Frac	STIM	Frac Stage # 10 of 33. Test stack to 9,500 PSI , Frac perms as proposed w/ 40 bbls. 15% HCL 37,989 # 100 MESH / 315,232 # 30/50 Brady/ 8,932 BBLS Slickwater fluid, down 5.5' #20 CSG Formation broke @ 20 BPM/ 3,630 PSI Shutdown: @ 80 BPM/ 5,949 PSI @ 60 BPM/ 5,036 PSI @ 40 BPM/ 4,251 PSI @ 20 BPM/ 3,552 PSI Pad ISIP: 3,237 PSI / 5 Min: 2,994 PSI Avg rate: 80 BPM Avg PSI: 6,271 Max rate: 81.0 BPM Max PSI: 6,837 ISIP: 3,129 PSI FG .80 FTR: 93,145 BBLS SIF: 353,221 # TOTAL SIF: 3,221,601 #
12/18/2013 22:40	12/19/2013 00:25	1.75	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU E&P WL for stage #11 of 33. RIH & pumped down w/Baker CFP & 5 – 3-1/8" guns, set CFP @ 15,148' Perforated Intervals: 15,119-15,117 / 15,059-15,057 / 14,999-14,997 / 14,939-14,937 / 14,879-14,877' w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 40 holes total. POOH, RD WL. Pump Down @ 15 bpm / 5,500 psi. Line Speed 280 ft/min Used 288 bbls FTR Total 93,433 Bbls
12/19/2013 00:25	12/19/2013 05:25	5	COMPL	Other operations	OTHR	WSI Pending ops on 2H and 3H
12/19/2013 05:25	12/19/2013 06:00	0.59	COMPL	Other operations	OTHR	Currently waiting on the sand haulers to finish unloading for stage 11 at report time

Report #: 17 Daily Operation: 12/19/2013 06:00 - 12/20/2013 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027778
Days From Spud (days) 116	Days on Location (days) 17	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, P.A.T	

Operations Summary

Frac Stages 11 thru 12
Perf Stages 11 thru 13

Ran chemicals with Pro-Technics in all stages
Held 1,500 psi on the intermediate casing.

Remarks

PPS Down Time: 4.50 Hrs__Cum 16.40 Hrs
 E&P Down Time: 0.00 Hrs__Cum 0.00 Hrs
 Select Down Time: 0.00 Hrs__Cum 0.00 Hrs
 Priority Down Timw: 0.00 Hrs__Cum 1.50 Hrs

FTR: 111,516 bbls

RT: 0000 bbls

CR: 0000 bbls

LTR: 111,516 bbls

TSIF:3,923,691 lbs

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/19/2013 06:00	12/19/2013 10:30	4.5	COMPL	Other operations	OTHR	Waiting on sand to start fracing.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/19/2013 10:30	12/19/2013 13:00	2.5	COMPL	Frac	STIM	<p>Frac Stage # 11 of 33. Test stack to 9,500 PSI , Frac perms as proposed W/ 36 bbls. 15% HCL 37,591 # 100 MESH / 314,596 # 30/50 Brady/ 8,677 BBLS Slickwater fluid, down 5.5' #20 CSG</p> <p>Formation broke @ 20 BPM/ 4,056 PSI</p> <p>Shutdown: @ 80 BPM/6,495 PSI @ 60 BPM/5,160 PSI @ 40 BPM/4,377 PSI @ 20 BPM/3,745 PSI</p> <p>Pad ISIP: 3,194 PSI / 5 Min: 2,663 PSI</p> <p>Avg rate: 80 BPM Avg PSI: 6,318 Max rate: 81 BPM Max PSI: 6,824</p> <p>ISIP: 3,035 PSI FG ..798</p> <p>FTR:102,110 BBLS SIF: 352187 # TOTAL SIF: 3,573,788 #</p>
12/19/2013 13:00	12/19/2013 15:00	2	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	<p>RU E&P WL for stage #12 of 33. RIH & pumped down w/Baker CFP & 5 – 3-1/8" guns, set CFP @ 14,848' Perforated Intervals: 14,819-14,817 / 14,759-14,757 / 14,699-14,697 / 14,639-14,637 / 14,579-14,577" w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 40 holes total. POOH, RD WL.</p> <p>Pump Down @ 15 bpm / 5,500 psi. Line Speed 304 ft/min</p> <p>Used 307 bbls FTR Total 102,417 Bbls</p>
12/19/2013 15:00	12/19/2013 21:00	6	COMPL	Other operations	OTHR	WSI wating on opers on 2H & 3H.
12/19/2013 21:00	12/19/2013 23:00	2	COMPL	Frac	STIM	<p>Frac Stage # 12 of 33. Test stack to 9,500 PSI , Frac perms as proposed W/ 61 bbls. 15% HCL 37,298 # 100 MESH / 312,605 # 30/50 Brady/ 8,830 BBLS Slickwater fluid, down 5.5' #20 CSG</p> <p>Formation broke @ 12 BPM/ 3,880 PSI</p> <p>Shutdown: @ 80 BPM/ 5,915 PSI @ 60 BPM/ 4,987 PSI @ 40 BPM/ 4,210 PSI @ 20 BPM/ 3,581 PSI</p> <p>Pad ISIP: 3,266 PSI / 5 Min: 2,949 PSI</p> <p>Avg rate: 80 BPM Avg PSI: 6,004 Max rate: 81.0 BPM Max PSI: 6,477</p> <p>ISIP: 3,266 PSI FG .83</p> <p>FTR: 111,247 BBLS SIF: 349,903 # TOTAL SIF: 3,923,691 #</p>

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/19/2013 23:00	12/20/2013 00:30	1.5	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU E&P WL for stage #13 of 33. RIH & pumped down w/Baker CFP & 5 – 3-1/8" guns, set CFP @ 14,548' Perforated Intervals: 14,519-14,517 / 14,459-14,457 / 14,399-14,397 / 14,339-14,337 / 14,279-14,277' w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 40 holes total. POOH, RD WL. Pump Down @ 15 bpm / 5,350 psi. Line Speed 260 ft/min Used 269 bbls FTR Total 111,516 Bbls
12/20/2013 00:30	12/20/2013 06:00	5.5	COMPL	Other operations	OTHR	WSI,Awaiting frac ops on the 2H and 3H at report time

Report #: 18 Daily Operation: 12/20/2013 06:00 - 12/21/2013 06:00

Job Category ORIG COMPLETION	Primary Job Type OCM	AFE Number 027778
Days From Spud (days) 117	Days on Location (days) 18	End Depth (ftGRD) -22.0
End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, P.A.T

Operations Summary

Frac Stages 13 thru 14
Perf Stages 14 thru 15

Ran chemicals with Pro-Technics in all stages
Held 1,500 psi on the intermediate casing.

Remarks

PPS Down Time: 0.00 Hrs__Cum 16.40 Hrs
E&P Down Time: 0.00 Hrs__Cum 0.00 Hrs
Select Down Time: 0.00 Hrs__Cum 0.00 Hrs
Priority Down Timw: 0.00 Hrs__Cum 1.50 Hrs

FTR: 129,629 bbls

RT: 0000 bbls

CR: 0000 bbls

LTR: 129,629 bbls

TSIF:4,626,521 lbs

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/20/2013 06:00	12/20/2013 09:00	3	COMPL	Frac	STIM	Frac Stage #13 of 33. Test stack to 9,500 PSI , Frac perfs as proposed W/ 36 bbls. 15% HCL 38,166 # 100 MESH / 313,616 # 30/50 Brady/ 8,707 BBLS Slickwater fluid, down 5.5' #20 CSG Formation broke @ 20 BPM/3,790 PSI Shutdown: @ 80 BPM/6,063 PSI @ 60 BPM/4,882 PSI @ 40 BPM/4,137 PSI @ 20 BPM/3,620 PSI Pad ISIP: 3,180 PSI / 5 Min: PSI Avg rate: 80 BPM Avg PSI: 5,856 Max rate: 81.0 BPM Max PSI: 6,299 ISIP: 3,097 PSI FG .806 FTR:8707 BBLS SIF: 351782 # TOTAL SIF: 4,275,473 #
12/20/2013 09:00	12/20/2013 12:00	3	COMPL	Other operations	OTHR	Wireline did Rehead. Stand-by while fracing 2H to do PD.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/20/2013 12:00	12/20/2013 13:30	1.5	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU E&P WL for stage #14 of 33. RIH & pumped down w/Baker CFP & 5 – 3-1/8" guns, set CFP @ 14,248' Perforated Intervals: 14,219-14,217 / 14,159-14,157 / 14,099-14,097 / 14,039-14,037 / 13,979-13,977' w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 40 holes total. POOH, RD WL. Pump Down @ 15 bpm / 5800 psi. Line Speed 314 ft/min Used 262 bbls FTR Total 120,485 Bbls
12/20/2013 13:30	12/20/2013 16:00	2.5	COMPL	Other operations	OTHR	WSI--- waiting on operations on 2H & 3H.
12/20/2013 16:00	12/20/2013 18:00	2	COMPL	Frac	STIM	Frac Stage # 14 of 33. Test stack to 9,500 PSI , Frac perfs as proposed W/ 36 bbls. 15% HCL 36,875 # 100 MESH / 315.173 # 30/50 Brady/ 8,887 BBLS Slickwater fluid, down 5.5' #20 CSG Formation broke @ 20 BPM/ 4,517 PSI Shutdown: @ 80 BPM/6,590 PSI @ 60 BPM/5,260 PSI @ 40 BPM/4,273 PSI @ 20 BPM/3,542 PSI Pad ISIP: 3,050 PSI / 5 Min: 2,871 PSI Avg rate: 80 BPM Avg PSI: 5,739 Max rate: 80.0 BPM Max PSI: 6,190 ISIP: 3,085 PSI FG .80 FTR: 129,372 BBLS SIF: 352,048 # TOTAL SIF: 4,626,521 #
12/20/2013 18:00	12/20/2013 21:30	3.5	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU E&P WL for stage #15 of 33. RIH & pumped down w/Baker CFP & 5 – 3-1/8" guns, set CFP @ 13,948' Perforated Intervals: 13,919-13,917 / 13,859-13,857 / 13,799-13,797 / 13,739-13,737 / 13,679-13,677' w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 40 holes total. POOH, RD WL. Pump Down @ 15 bpm / 5,450 psi. Line Speed 260 ft/min Used 257 bbls FTR Total 129,629 Bbls
12/20/2013 21:30	12/21/2013 04:15	6.75	COMPL	Other operations	OTHR	WSI--- waiting on operations on 2H & 3H.
12/21/2013 04:15	12/21/2013 06:00	1.75	COMPL	Other operations	OTHR	Frac Ops on stage 15 at report time.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Report #: 19 Daily Operation: 12/21/2013 06:00 - 12/22/2013 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027778
Days From Spud (days) 118	Days on Location (days) 19	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, P.A.T	

Operations Summary

Frac Stages 15 thru 16
Perf Stages 16 thru 17

Ran chemicals with Pro-Technics in all stages
Held 1,500 psi on the intermediate casing.

Remarks

PPS Down Time: 0.00 Hrs__Cum 16.40 Hrs
E&P Down Time: 0.00 Hrs__Cum 0.00 Hrs
Select Down Time: 0.00 Hrs__Cum 0.00 Hrs
Priority Down Timw: 0.00 Hrs__Cum 1.50 Hrs

FTR: 147,542 bbls

RT: 0000 bbls

CR: 0000 bbls

LTR: 147,542 bbls

TSIF:5,328,376 lbs

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/21/2013 06:00	12/21/2013 07:00	1	COMPL	Frac	STIM	<p>Frac Stage # 15 of 33. Test stack to 9,500 PSI , Frac perfs as proposed W/ 41 bbls. 15% HCL 37,652 # 100 MESH / 313,389 # 30/50 Brady/ 8.768 BBLS Slickwater fluid, down 5.5' #20 CSG</p> <p>Formation broke @ 15 BPM/ 3,839 PSI</p> <p>Shutdown: @ 80 BPM/ 5,540 PSI @ 60 BPM/ 4,734 PSI @ 40 BPM/ 4,008 PSI @ 20 BPM/ 3,461 PSI</p> <p>Pad ISIP: 3,091 PSI / 5 Min: 2,939 PSI</p> <p>Avg rate:79.3 BPM Avg PSI: 5,535 Max rate: 80.0 BPM Max PSI: 5,963</p> <p>ISIP: 3,169 PSI FG .814</p> <p>FTR: 8,768 BBLS SIF: 351,041 # TOTAL SIF: 4,977,562 #</p>
12/21/2013 07:00	12/21/2013 10:00	3	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	<p>RU E&P WL for stage #16 of 33. RIH & pumped down w/Baker CFP & 5 – 3-1/8" guns, set CFP @ 13,648' Perforated Intervals: 13,619-13,617 / 13,559-13,557 / 13,499-13,497 / 13,439-13,437 / 13,379-13,377' w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 40 holes total. POOH, RD WL.</p> <p>Pump Down @ 15 bpm / 5,400 psi. Line Speed 314 ft/min</p> <p>Used 249 bbls FTR Total 138,397 Bbl</p>
12/21/2013 10:00	12/21/2013 17:00	7	COMPL	Other operations	OTHR	<p>WSI---Waiting on operations on 2H & 3H & waiting on sand for Stage 16...</p>

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/21/2013 17:00	12/21/2013 19:15	2.25	COMPL	Frac	STIM	<p>Frac Stage # 16 of 33. Test stack to 9,500 PSI , Frac perfs as proposed W/ 36 bbls. 15% HCL</p> <p>37,606 # 100 MESH / 313,208 # 30/50 Brady/ 8,634 BBLS Slickwater fluid, down 5.5' #20 CSG</p> <p>Formation broke @ 15 BPM/ 3,669 PSI</p> <p>Shutdown: @ 80 BPM/5,821 PSI @ 60 BPM/4,597 PSI @ 40 BPM/3,961 PSI @ 20 BPM/3,460 PSI</p> <p>Pad ISIP: 3,161 PSI / 5 Min: 2,857 PSI</p> <p>Avg rate: 80 BPM Avg PSI: 5,577 Max rate: 81.0 BPM Max PSI: 6,364</p> <p>ISIP: 3,357 PSI FG .84</p> <p>FTR: 147,280 BBLS SIF: 350,814 # TOTAL SIF: 5,328,376#</p>
12/21/2013 19:15	12/21/2013 21:30	2.25	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	<p>RU E&P WL for stage #17 of 33. RIH & pumped down w/Baker CFP & 5 – 3-1/8" guns, set CFP @ 13,348' Perforated Intervals: 13,619-13,617 / 13,559-13,557 / 13,499-13,497 / 13,439-13,437 / 13,379-13,377' w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 40 holes total. POOH, RD WL.</p> <p>Pump Down @ 15 bpm / 5,850 psi. Line Speed 280 ft/min</p> <p>Used 262 bbls FTR Total 147,542 Bbls</p>
12/21/2013 21:30	12/22/2013 05:30	8	COMPL	Other operations	OTHR	WSI--Waiting on frac operations on 2H &3H...
12/22/2013 05:30	12/22/2013 06:00	0.5	COMPL	Frac	STIM	Frac Ops on stage #17 at report time.

Report #: 20 Daily Operation: 12/22/2013 06:00 - 12/23/2013 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027778
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	
119	20	-22.0			PIONEER PUMPING SERVICES, P.A.T	

Operations Summary

Frac Stages 17 thru 18
Perf Stages 18 thru 19

Ran chemicals with Pro-Technics in all stages
Held 1,500 psi on the intermediate casing.

Remarks

PPS Down Time: 0.00 Hrs__Cum 16.40 Hrs
E&P Down Time: 0.00 Hrs__Cum 0.00 Hrs
Select Down Time: 0.00 Hrs__Cum 0.00 Hrs
Priority Down Timw: 0.00 Hrs__Cum 1.50 Hrs

FTR: 165,497 bbls

RT: 0000 bbls

CR: 0000 bbls

LTR: 165,497 bbls

TSIF:6,028,811 lbs

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/22/2013 06:00	12/22/2013 08:00	2	COMPL	Frac	STIM	<p>Frac Stage # 17 of 33. Test stack to 9,500 PSI , Frac perfs as proposed W/ 37 bbls. 15% HCL 37,722 # 100 MESH / 311,840 # 30/50 Brady/ 8,799 BBLS Slickwater fluid, down 5.5' #20 CSG</p> <p>Formation broke @ 15 BPM/ 3,874 PSI</p> <p>Shutdown: @ 80 BPM/ 5,754 PSI @ 60 BPM/ 4,812 PSI @ 40 BPM/ 4.043 PSI @ 20 BPM/ 3,518 PSI</p> <p>Pad ISIP: 3,182 PSI / 5 Min: 2,991 PSI</p> <p>Avg rate: 79 BPM Avg PSI: 5,715 Max rate: 81.0 BPM Max PSI: 6,235</p> <p>ISIP: 3,139 PSI FG .811</p> <p>FTR: 8,799 BBLS SIF: 349,562 # TOTAL SIF: 5,677,938 #</p>
12/22/2013 08:00	12/22/2013 09:30	1.5	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	<p>RU E&P WL for stage #18 of 33. RIH & pumped down w/Baker CFP & 5 – 3-1/8" guns, set CFP @ 13,048' Perforated Intervals: 13,019-13,017 / 12,959-12,957 / 12,899-12,897 / 12,839-12,837 / 12,779-12,777' w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 40 holes total. POOH, RD WL.</p> <p>Pump Down @ 15 bpm / 5,801 psi. Line Speed 309 ft/min</p> <p>Used 209 bbls FTR Total 156,550 Bbls</p>
12/22/2013 09:30	12/22/2013 14:30	5	COMPL	Other operations	OTHR	WSI--Waiting on operations on 2H & 3H.
12/22/2013 14:30	12/22/2013 17:30	3	COMPL	Frac	STIM	<p>Frac Stage # 18 of 33. Test stack to 9,500 PSI , Frac perfs as proposed W/ 36 bbls. 15% HCL 37,204 # 100 MESH / 313,669 # 30/50 Brady/ 8,729 BBLS Slickwater fluid, down 5.5' #20 CSG</p> <p>Formation broke @ 15 BPM/ 3,573 PSI</p> <p>Shutdown: @ 80 BPM/5,965 PSI @ 60 BPM/4,890 PSI @ 40 BPM/4,050 PSI @ 20 BPM/3,470 PSI</p> <p>Pad ISIP: 3,132 PSI / 5 Min: 2,944 PSI</p> <p>Avg rate: 80.0 BPM Avg PSI: 5,574 Max rate: 81.0 BPM Max PSI: 5,963</p> <p>ISIP: 3,201 PSI FG .818</p> <p>FTR: 8,729 BBLS SIF: 350,873 # TOTAL SIF: 6,028,811 #</p>

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/22/2013 17:30	12/22/2013 19:30	2	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU E&P WL for stage #19 of 33. RIH & pumped down w/Baker CFP & 5 – 3-1/8" guns, set CFP @ 12,748' Perforated Intervals: 12,719-12,717 / 12,659-12,657 / 12,599-12,597 / 12,539-12,537 / 12,479-12,477' w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 40 holes total. POOH, RD WL. Pump Down @ 15 bpm / 5400 psi. Line Speed 340 ft/min Used 218 bbls FTR Total 165,497 Bbls
12/22/2013 19:30	12/23/2013 05:00	9.5	COMPL	Other operations	OTHR	WSI--Waiting on operations on 2H & 3H.
12/23/2013 05:00	12/23/2013 06:00	1	COMPL	Frac	STIM	Frac Ops on stage #19 at report time

Report #: 21 Daily Operation: 12/23/2013 06:00 - 12/24/2013 06:00

Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 027778
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, P.A.T	
120	21	-22.0				

Operations Summary

Frac Stages 19
Perf Stages 20

Ran chemicals with Pro-Technics in all stages
Held 1,500 psi on the intermediate casing.

Well shut in and secured. Will resume frac and wireline operations @ 06:00 12/27/2013

Remarks

PPS Down Time: 0.00 Hrs__Cum 16.40 Hrs
E&P Down Time: 0.00 Hrs__Cum 0.00 Hrs
Select Down Time: 0.00 Hrs__Cum 0.00 Hrs
Priority Down Timw: 0.00 Hrs__Cum 1.50 Hrs

FTR: 174,719 bbls

RT: 0000 bbls

CR: 0000 bbls

LTR: 174,719 bbls

TSIF:6,380,016 lbs

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/23/2013 06:00	12/23/2013 07:30	1.5	COMPL	Frac	STIM	Frac Stage # 19 of 33. Test stack to 9,500 PSI , Frac perfs as proposed W/ 35 bbls. 15% HCL 38,452 # 100 MESH / 312,753 # 30/50 Brady/ 9,019 BBLS Slickwater fluid, down 5.5' #20 CSG Formation broke @ 15 BPM/ 4,093 PSI Shutdown: @ 80 BPM/ 5,485 PSI @ 60 BPM/ 4,703 PSI @ 40 BPM/ 4,031 PSI @ 20 BPM/ 3,486 PSI Pad ISIP: 3,152 PSI / 5 Min: 2,905 PSI Avg rate: 76.8 BPM Avg PSI: 5,485 Max rate: 80.0 BPM Max PSI: 8,467 ISIP: 3,262 PSI FG .825 FTR: 9,019 BBLS SIF: 351,205 # TOTAL SIF: 6,380,016 #

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/23/2013 07:30	12/23/2013 09:30	2	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU E&P WL for stage #20 of 33. RIH & pumped down w/Baker CFP & 5 – 3-1/8" guns, set CFP @ 12,448' Perforated Intervals: 12,419-12,417 / 12,359-12,357 / 12,299-12,297 / 12,239-12,237 / 12,179-12,177' w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 40 holes total. POOH, RD WL. Pump Down @ 15 bpm / 5,400 psi. Line Speed 318 ft/min Used 203 bbls FTR Total 174,719 Bbls
12/23/2013 09:30	12/24/2013 06:00	20.5	COMPL	Other operations	OTHR	Well shut in and secured. Will resume frac and wireline operations @ 06:00 12/27/2013

Report #: 22 Daily Operation: 12/24/2013 06:00 - 12/25/2013 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027778
Days From Spud (days) 121	Days on Location (days) 22	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, P.A.T	

Operations Summary

Well Shut In

Remarks

PPS Down Time: 0.00 Hrs__Cum 16.40 Hrs
E&P Down Time: 0.00 Hrs__Cum 0.00 Hrs
Select Down Time: 0.00 Hrs__Cum 0.00 Hrs
Priority Down Timw: 0.00 Hrs__Cum 1.50 Hrs

FTR: 174,719 bbls

RT: 0000 bbls

CR: 0000 bbls

LTR: 174,719 bbls

TSIF:6,380,016 lbs

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/24/2013 06:00	12/25/2013 06:00	24	COMPL	Other operations	OTHR	Well Shut In

Report #: 23 Daily Operation: 12/25/2013 06:00 - 12/26/2013 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027778
Days From Spud (days) 122	Days on Location (days) 23	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, P.A.T	

Operations Summary

Well Shut In

Remarks

PPS Down Time: 0.00 Hrs__Cum 16.40 Hrs
E&P Down Time: 0.00 Hrs__Cum 0.00 Hrs
Select Down Time: 0.00 Hrs__Cum 0.00 Hrs
Priority Down Timw: 0.00 Hrs__Cum 1.50 Hrs

FTR: 174,719 bbls

RT: 0000 bbls

CR: 0000 bbls

LTR: 174,719 bbls

TSIF:6,380,016 lbs

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/25/2013 06:00	12/26/2013 06:00	24	COMPL	Other operations	OTHR	Well Shut In

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Report #: 24 Daily Operation: 12/26/2013 06:00 - 12/27/2013 06:00

Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 027778
Days From Spud (days) 123	Days on Location (days) 24	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, P.A.T	

Operations Summary

Well Shut In

Remarks

PPS Down Time: 0.00 Hrs__Cum 16.40 Hrs
E&P Down Time: 0.00 Hrs__Cum 0.00 Hrs
Select Down Time: 0.00 Hrs__Cum 0.00 Hrs
Priority Down Timw: 0.00 Hrs__Cum 1.50 Hrs

FTR: 174,719 bbls

RT: 0000 bbls

CR: 0000 bbls

LTR: 174,719 bbls

TSIF:6,380,016 lbs

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/26/2013 06:00	12/27/2013 06:00	24	COMPL	Other operations	OTHR	Well Shut In

Report #: 25 Daily Operation: 12/27/2013 06:00 - 12/28/2013 06:00

Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 027778
Days From Spud (days) 124	Days on Location (days) 25	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, P.A.T	

Operations Summary

Frac Stg.20, 21, 22 (at report time)
Plug & Perf Stg. 21 & 22

NOTE: Fracing stage 22 at report time.

Ran chemicals with Pro-Technics in all stages

Held 1,500 psi on the intermediate casing.

Remarks

PPS Down Time: 0.00 Hrs__Cum 16.40 Hrs
E&P Down Time: 0.00 Hrs__Cum 0.00 Hrs
Select Down Time: 0.00 Hrs__Cum 0.00 Hrs
Priority Down Timw: 0.00 Hrs__Cum 1.50 Hrs

FTR: 192,852 bbls

RT: 0000 bbls

CR: 0000 bbls

LTR: 192,852 bbls

TSIF: 7,081,517 lbs

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/27/2013 06:00	12/27/2013 08:00	2	COMPL	Other operations	OTHR	Prime up Pressure test

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/27/2013 08:00	12/27/2013 10:00	2	COMPL	Frac	STIM	<p>Frac Stage # 20 of 33. Test stack to 9,500 PSI , Frac perfs as proposed W/ 35 bbls. 15% HCL 37,953 # 100 MESH / 313,024 # 30/50 Brady/ 8,956 BBLS Slickwater fluid, down 5.5' #20 CSG</p> <p>Formation broke @ 15 BPM/ 3,922 PSI</p> <p>Shutdown: @ 80 BPM/6,750 PSI @ 60 BPM/5,450 PSI @ 40 BPM/4,244 PSI @ 20 BPM/3,564 PSI</p> <p>Pad ISIP: 3,212 PSI / 5 Min: 2,715 PSI</p> <p>Avg rate: 80.0 BPM Avg PSI: 5,600 Max rate: 80.0 BPM Max PSI: 6,230</p> <p>ISIP: 3,174 PSI FG 0.81</p> <p>FTR: 8,956 BBLS SIF: 350,977 # TOTAL SIF: 6,730,993 # FLTR : 183,675</p>
12/27/2013 10:00	12/27/2013 12:30	2.5	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	<p>RU E&P WL for stage #21 of 31. RIH & pumped down w/Baker CFP & 5 – 3-1/8" guns, set CFP @ 12,148' Perforated Intervals: 12,119-12,117 / 12,059-12,057 / 11,999-11,997 / 11,939-11,937 / 11,879-11,877 w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 40 holes total. POOH, RD WL</p> <p>Pump Down @ 15 bpm / 5,420 psi. Line Speed 265 ft/min</p> <p>Used 223 bbls LTR Total 183,898 Bbls</p>
12/27/2013 12:30	12/27/2013 18:00	5.5	COMPL	Other operations	OTHR	WSI Waiting on Ops on 2H & 3H
12/27/2013 18:00	12/27/2013 20:15	2.25	COMPL	Frac	STIM	<p>Frac Stage # 21 of 33. Test stack to 9,500 PSI , Frac perfs as proposed W/ 20 bbls. 15% HCL 38,075 # 100 MESH / 312,449 # 30/50 Brady/ 8,771 BBLS Slickwater fluid, down 5.5' #20 CSG</p> <p>Formation broke @ 15 BPM/ 3,783 PSI</p> <p>Shutdown: @ 80 BPM/5,640 PSI @ 60 BPM/4,751 PSI @ 40 BPM/4,060 PSI @ 20 BPM/3,489 PSI</p> <p>Pad ISIP: 3,226 PSI / 5 Min: 2,358 PSI</p> <p>Avg rate: 80 BPM Avg PSI: 5,558 Max rate: 81 BPM Max PSI: 6,059</p> <p>ISIP: 3,168 PSI FG .81</p> <p>FTR: 8,771 BBLS SIF: 350,524 # TOTAL SIF: 7,081,517 # TOTAL FTR: 192,669 BBLS</p>

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/27/2013 20:15	12/27/2013 22:15	2	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU E&P WL for stage #22 of 33. RIH & pumped down w/Baker CFP & 5 – 3-1/8" guns, set CFP @ 11,848' Perforated Intervals: 11,819-11,817 / 11,759-11,757 / 11,699-11,697 / 11,639-11,637 / 11,579-11,577' w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 40 holes total. POOH, RD WL. Pump Down @ 15 bpm / 5700 psi. Line Speed 295 ft/min Used 183 bbls FTR Total 192,852 Bbls
12/27/2013 22:15	12/28/2013 04:00	5.75	COMPL	Other operations	OTHR	WSI pending stim ops on #'s 2h & 3h.
12/28/2013 04:00	12/28/2013 06:00	2	COMPL	Frac	STIM	Start Frac Stg. 22 of 33

Report #: 26 Daily Operation: 12/28/2013 06:00 - 12/29/2013 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027778
Days From Spud (days) 125	Days on Location (days) 26	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, P.A.T	

Operations Summary

Frac Stg. 22, 23, 24
Plug & Perf Stg. 23, 24
RIH w/plug & guns for Stg 25 @ report time.

Ran Chemical Tracer on all Stages
Hold 1,500 PSI on Annulus and monitor during Frac

Remarks

PPS Down Time: 0.00 Hrs__Cum 16.40 Hrs
E&P Down Time: 0.00 Hrs__Cum 0.00 Hrs
Select Down Time: 0.00 Hrs__Cum 0.00 Hrs
Priority Down Timw: 0.00 Hrs__Cum 1.50 Hrs

FTR: 219,970 bbls

RT: 0000 bbls

CR: 0000 bbls

LTR: 219,970 bbls

TSIF: 8,135,477 lbs

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

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	COMPL	Frac	STIM	<p>Frac Stage # 22 of 33. Test stack to 9,500 PSI , Frac perfs as proposed W/ 18 bbls. 15% HCL 37,069 # 100 MESH / 313,294 # 30/50 Brady/ 8,769 BBLS Slickwater fluid, down 5.5' #20 CSG</p> <p>Formation broke @ 15 BPM/ 4,006 PSI</p> <p>Shutdown: @ 80 BPM/5,653 PSI @ 60 BPM/4,739 PSI @ 40 BPM/4,106 PSI @ 20 BPM/3,603 PSI</p> <p>Pad ISIP: 3,185 PSI / 5 Min: 2,406 PSI</p> <p>Avg rate: 80 BPM Avg PSI: 5,426 Max rate: 80.0 BPM Max PSI: 5,770</p> <p>ISIP: 3,224 PSI FG 0.81</p> <p>FTR: 8,769 BBLS SIF: 350,363 # TOTAL SIF: 7,431,880 # TOTAL FTR: 201,621 BBLS</p>
12/28/2013 07:00	12/28/2013 09:00	2	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	<p>RU E&P WL for stage #23 of 33. RIH & pumped down w/Baker CFP & 5 - 3-1/8" guns, set CFP @ 11,548' Perforated Intervals: 11,519-11,517 / 11,459-11,457 / 11,399-11,397 / 11,339-11,337 / 11,279-11,277' w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 40 holes total. POOH, RD WL.</p> <p>Pump Down @ 17 bpm / 5,950 psi. Line Speed 285 ft/min</p> <p>Used 206 bbls FTR Total 201,827 Bbl</p>
12/28/2013 09:00	12/28/2013 14:45	5.75	COMPL	Other operations	OTHR	WSI Waiting on 2H & 3H Frac Ops.
12/28/2013 14:45	12/28/2013 17:00	2.25	COMPL	Frac	STIM	<p>Frac Stage # 23 of 33. Test stack to 9,500 PSI , Frac perfs as proposed W/ 48 bbls. 15% HCL 37,719 # 100 MESH / 314,237 # 30/50 Brady/ 8,955 BBLS Slickwater fluid, down 5.5' #20 CSG</p> <p>Formation broke @ 15 BPM/ 4,201 PSI</p> <p>Shutdown: @ 80 BPM/5,415 PSI @ 60 BPM/4,675 PSI @ 40 BPM/4,070 PSI @ 20 BPM/3,540 PSI</p> <p>Pad ISIP: 3,226 PSI / 5 Min: 2,780 PSI</p> <p>Avg rate: 80 BPM Avg PSI: 5,433 Max rate: 80.0 BPM Max PSI: 5,710</p> <p>ISIP: 3,057 PSI FG 0.80</p> <p>FTR: 8,955 BBLS SIF: 351,956 # TOTAL SIF: 7,783,836 # TOTAL FTR: 210,782 BBLS</p>

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/28/2013 17:00	12/28/2013 19:00	2	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU E&P WL for stage #24 of 33. RIH & pumped down w/Baker CFP & 5 – 3-1/8"guns,set CFP @ 11,248' Perforated Intervals: 10,979'-10,977' / 11,039'-11,037' / 11,099'-11,097' / 11,159'-11,157' / 11,219'-11,217' w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 40 holes total. POOH, RD WL. Pump Down @ 15 bpm / 5300 psi. Line Speed XXX ft/min Used 137 bbls FTR Total 210,919 Bbls
12/28/2013 19:00	12/29/2013 03:00	8	COMPL	Other operations	OTHR	WSI pending stim ops on #'s 2h & 3h.
12/29/2013 03:00	12/29/2013 05:15	2.25	COMPL	Frac	STIM	Frac Stage # 24 of 33. Test stack to 9,500 PSI , Frac perfs as proposed W/ 18 bbls. 15% HCL 37,386 # 100 MESH / 313,805 # 30/50 Brady/ 9,051 BBLS Slickwater fluid, down 5.5' #20 CSG Formation broke @ 15 BPM/ 4,077 PSI Shutdown: @ 80 BPM/5,540 PSI @ 60 BPM/4,753 PSI @ 40 BPM/4,104 PSI @ 20 BPM/3,603 PSI Pad ISIP: 3,141 PSI / 5 Min: 2,538 PSI Avg rate: 79 BPM Avg PSI: 5,717 Max rate: 81 BPM Max PSI: 6,021 ISIP: 2,883 PSI FG .78 FTR: 9,051 BBLS SIF: 351,641 # TOTAL SIF: 8,135,477 # TOTAL FTR: 219,970 BBLS
12/29/2013 05:15	12/29/2013 06:00	0.75	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU E&P WL for stage #25 of 33. RIH w/plug & guns at report time.

Report #: 27 Daily Operation: 12/29/2013 06:00 - 12/30/2013 06:00

Job Category ORIG COMPLETION	Primary Job Type OCM	AFE Number 027778
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Days From Spud (days) 126	Days on Location (days) 27	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, P.A.T
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Operations Summary

Frac Stg.25, 26
Plug & Perf Stg. 25,26, 27

Ran Chemical Tracer on all Stages
Hold 1,500 PSI on Annulus and monitor during Frac

Remarks

PPS Down Time: 0.00 Hrs__Cum 16.40 Hrs
E&P Down Time: 0.00 Hrs__Cum 0.00 Hrs
Select Down Time: 0.00 Hrs__Cum 0.00 Hrs
Priority Down Timw: 0.00 Hrs__Cum 1.50 Hrs

FTR: 237,950 bbls

RT: 0000 bbls

CR: 0000 bbls

LTR: 237,950 bbls

TSIF: 8,835,629 lbs

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/29/2013 06:00	12/29/2013 08:00	2	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU E&P WL for stage #25 of 33. RIH & pumped down w/Baker CFP & 5 – 3-1/8" guns, set CFP @ 10,948' Perforated Intervals: 10,679'-10,677'/10,739'-10,737'/10,799'-10,797'/10,859'-10,857'/10,919'-10,917' w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 40 holes total. POOH, RD WL. Pump Down @ 15 bpm / 4,800 psi. Line Speed 270 ft/min Used 122 bbls FTR Total 220,092 Bbls
12/29/2013 08:00	12/29/2013 14:30	6.5	COMPL	Other operations	OTHR	WSI Waiting on Frac Ops on 2H & 3H
12/29/2013 14:30	12/29/2013 16:30	2	COMPL	Frac	STIM	Frac Stage # 25 of 33. Test stack to 9,500 PSI , Frac perfs as proposed W/ 59 bbls. 15% HCL 38,225 # 100 MESH / 312,318 # 30/50 Brady/ 8,778 BBLS Slickwater fluid, down 5.5' #20 CSG Formation broke @ 15 BPM/ 4,550 PSI Shutdown: @ 80 BPM/5,529 PSI @ 60 BPM/4,761 PSI @ 40 BPM/4,140 PSI @ 20 BPM/3,694 PSI Pad ISIP: 3,292 PSI / 5 Min: 3,050 PSI Avg rate: 80.0 BPM Avg PSI: 5,460 Max rate: 80.0 BPM Max PSI: 6,100 ISIP: 3,222 PSI FG 0.82 FTR: 8,778 BBLS SIF: 350,543 # TOTAL SIF: 8,486,020 # TOTAL FTR: 228,870 BBLS
12/29/2013 16:30	12/29/2013 18:30	2	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU E&P WL for stage #26 of 33. RIH & pumped down w/Baker CFP & 5 – 3-1/8" guns, set CFP @ 10,648' Perforated Intervals: 10,379'-10,377'/10,439'-10,437'/10,499'-10,497' /10,559'-10,557' /10,619'-10,617' w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 40 holes total. POOH, RD WL. Pump Down @ 15 bpm / 5,100 psi. Line Speed 275 ft/min Used 122 bbls FTR Total 228,992 Bbls
12/29/2013 18:30	12/30/2013 01:30	7	COMPL	Other operations	OTHR	WSI Waiting on Frac Ops on 2H & 3H

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/30/2013 01:30	12/30/2013 03:30	2	COMPL	Frac	STIM	<p>Frac Stage # 26 of 33. Test stack to 9,500 PSI , Frac perfs as proposed W/ 18 bbls. 15% HCL</p> <p>36,589 # 100 MESH / 313,020 # 30/50 Brady/ 8,858 BBLS</p> <p>Slickwater fluid, down 5.5' #20 CSG</p> <p>Formation broke @ 15 BPM/ 4,030 PSI</p> <p>Shutdown: @ 80 BPM/6,450 PSI @ 60 BPM/5,270 PSI @ 40 BPM/4,380 PSI @ 20 BPM/3,710 PSI</p> <p>Pad ISIP: 3,233 PSI / 5 Min: 2,525 PSI</p> <p>Avg rate: 80 BPM Avg PSI: 5,782 Max rate: 81 BPM Max PSI: 6,476</p> <p>ISIP: 3,178 PSI FG .82</p> <p>FTR: 8,858 BBLS SIF: 349,609 # TOTAL SIF: 8,835,629 # TOTAL FTR: 237,850 BBLS</p>
12/30/2013 03:30	12/30/2013 05:00	1.5	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	<p>RU E&P WL for stage #27 of 33. RIH & pumped down w/Baker CFP & 5 – 3-1/8" guns, set CFP @ 10,348' Perforated Intervals: 10,079'-10,077' /10,139'-10,137'/10,199'-10,197'/10,259'-10,257'/10,319'-10,317' w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 40 holes total. POOH, RD WL.</p> <p>Pump Down @ 15 bpm / 5,200 psi. Line Speed 300 ft/min</p> <p>Used 100 bbls FTR Total 237,950 Bbl</p>
12/30/2013 05:00	12/30/2013 06:00	1	COMPL	Other operations	OTHR	WSI Waiting on Frac Ops on 2H & 3H

Report #: 28 Daily Operation: 12/30/2013 06:00 - 12/31/2013 06:00

Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 027778
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, P.A.T	
127	28	-22.0				

Operations Summary
Frac Stg.27,
Plug & Perf Stg. 28,

Ran Chemical Tracer on all Stages
Hold 1,500 PSI on Annulus and monitor during Frac

Remarks
PPS Down Time: 0.00 Hrs__Cum 16.40 Hrs
E&P Down Time: 0.00 Hrs__Cum 0.00 Hrs
Select Down Time: 0.00 Hrs__Cum 0.00 Hrs
Priority Down Timw: 0.00 Hrs__Cum 1.50 Hrs

FTR: 246,758 bbls

RT: 0000 bbls

CR: 0000 bbls

LTR: 246,758 bbls

TSIF: 9,185,894 lbs

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/30/2013 06:00	12/30/2013 16:00	10	COMPL	Other operations	OTHR	WSI waiting on 2H & 3H Ops.
12/30/2013 16:00	12/30/2013 18:00	2	COMPL	Frac	STIM	<p>Frac Stage # 27 of 33. Test stack to 9,500 PSI , Frac perms as proposed W/ 41 bbls. 15% HCL 38,302 # 100 MESH / 311,963 # 30/50 Brady/ 8,725 BBLs Slickwater fluid, down 5.5' #20 CSG</p> <p>Formation broke @ 15 BPM/ 3,863 PSI</p> <p>Shutdown: @ 80 BPM/5,400 PSI @ 60 BPM/4,650 PSI @ 40 BPM/4,020 PSI @ 20 BPM/3,530 PSI</p> <p>Pad ISIP: 3,190 PSI / 5 Min: 2,930 PSI Pad FG: 0.82</p> <p>Avg rate: 80.0 BPM Avg PSI: 5,390 Max rate: 80.0 BPM Max PSI: 6,840</p> <p>ISIP: 3,536 PSI FG 0.86</p> <p>FTR: 8,725 BBLs SIF: 350,265 # TOTAL SIF: 9,185,894 # TOTAL FTR: 246,675 BBLs</p>
12/30/2013 18:00	12/30/2013 20:00	2	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	<p>RU E&P WL for stage #28 of 33. RIH & pumped down w/Baker CFP & 5 - 3-1/8" guns, set CFP @ 10,048' Perforated Intervals: 9,779'-9,777' /9,839'-9,837'/9,899'-9,897'/9,959'-9,957'/ 10,019'-10,017' w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 40 holes total. POOH, RD WL.</p> <p>Pump Down @ 15 bpm / 5,750 psi. Line Speed 321 ft/min</p> <p>Used 83 bbls FTR Total 246,758 Bbl</p>
12/30/2013 20:00	12/31/2013 06:00	10	COMPL	Other operations	OTHR	WSI waiting on 2H & 3H Ops.

Report #: 29 Daily Operation: 12/31/2013 06:00 - 1/1/2014 06:00

Job Category	Primary Job Type	AFE Number
ORIG COMPLETION	OCM	027778

Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig
128	29	-22.0			PIONEER PUMPING SERVICES, P.A.T

Operations Summary

Frac Stg.28 & 29
Plug & Perf Stg. 29 & 30

Ran Chemical Tracer on all Stages
Hold 1,500 PSI on Annulus and monitor during Frac

Remarks

PPS Down Time: 0.00 Hrs__Cum 16.40 Hrs
E&P Down Time: 0.00 Hrs__Cum 0.00 Hrs
Select Down Time: 0.00 Hrs__Cum 0.00 Hrs
Priority Down Timw: 0.00 Hrs__Cum 1.50 Hrs

FTR: 264,510 bbls

RT: 0000 bbls

CR: 0000 bbls

LTR: 264,510 bbls

TSIF: 9,888,767 lbs

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/31/2013 06:00	12/31/2013 08:30	2.5	COMPL	Other operations	OTHR	WSI Wait on #2H & #3H Frac Ops.
12/31/2013 08:30	12/31/2013 10:45	2.25	COMPL_UNPLN D	Unplanned time due to PXD pumping services`	U_PEPX D	Repair Pumps. Clear Prop From Blender area with skid steer
12/31/2013 10:45	12/31/2013 12:45	2	COMPL	Frac	STIM	<p>Frac Stage # 28 of 33. Test stack to 9,500 PSI , Frac perfs as proposed W/ 42 bbls. 15% HCL 36,516 # 100 MESH / 314,721 # 30/50 Brady/ 8,807 BBLS Slickwater fluid, down 5.5' #20 CSG</p> <p>Formation broke @ 15 BPM/ 4,065 PSI</p> <p>Shutdown: @ 80 BPM/5,390 PSI @ 60 BPM/4,580 PSI @ 40 BPM/3,985 PSI @ 20 BPM/3,480 PSI</p> <p>Pad ISIP: 3,154 PSI / 5 Min: 2,950 PSI</p> <p>Avg rate: 80.0 BPM Avg PSI: 5,495 Max rate: 80.0 BPM Max PSI: 6,850</p> <p>ISIP: 3,095 PSI FG 0.80</p> <p>FTR: 8,807 BBLS SIF: 351,237 # TOTAL SIF: 9,537,131 # TOTAL FTR: 255,565 BBLS</p>
12/31/2013 12:45	12/31/2013 14:45	2	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	<p>RU E&P WL for stage #29 of 33. RIH & pumped down w/Baker CFP & 5 – 3-1/8" guns, set CFP @ 9,748' Perforated Intervals: 9,479'-9,477'/9539'-9,537'/9,599'-9,597'/9,659'-9,657'/9,719'-9,717' w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 40 holes total. POOH, RD WL.</p> <p>Pump Down @ 15 bpm / 5,100 psi. Line Speed 270 ft/min</p> <p>Used 81 bbls FTR Total 255,646 Bbl</p>
12/31/2013 14:45	1/1/2014 00:00	9.25	COMPL	Other operations	OTHR	WSI Wait on #2H & #3H Frac Ops.
1/1/2014 00:00	1/1/2014 02:15	2.25	COMPL	Frac	STIM	<p>Frac Stage # 29 of 33. Test stack to 9,500 PSI , Frac perfs as proposed W/ 36 bbls. 15% HCL--- 36,521 # 100 MESH / 315,115 # 30/50 Brady/ 8,806 BBLS Slickwater fluid, down 5.5' #20 CSG</p> <p>Formation broke @ 15 BPM/ 4,536 PSI</p> <p>Shutdown: @ 80 BPM/5,464 PSI @ 60 BPM/4,673 PSI @ 40 BPM/4,088 PSI @ 20 BPM/3,596 PSI</p> <p>Pad ISIP: 3,223 PSI / 5 Min: 3,008 PSI</p> <p>Avg rate: 80.0 BPM Avg PSI: 5,415 Max rate: 81.0 BPM Max PSI: 5,868</p> <p>ISIP: 3,182 PSI FG 0.817</p> <p>FTR: 8,806 BBLS SIF: 351,636 # TOTAL SIF: 9,888,767 # TOTAL FTR: 264,452 BBLS</p>

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/1/2014 02:15	1/1/2014 04:00	1.75	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU E&P WL for stage #30 of 33. RIH & pumped down w/Baker CFP & 5 – 3-1/8" guns, set CFP @ 9,9,448' Perforated Intervals: 9,417'-9,419'/9,357'-9,359'/9,297'-9,299'/9,237'-9,239'/9,177'-9,179' w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 40 holes total. POOH, RD WL. Pump Down @ 15 bpm / 4,800 psi. Line Speed 299 ft/min Used 58 bbls FTR Total 264,510 Bbl
1/1/2014 04:00	1/1/2014 06:00	2	COMPL	Other operations	OTHR	WSI Wait on #2H & #3H Frac Ops.

Report #: 30 Daily Operation: 1/1/2014 06:00 - 1/2/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027778
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	
129	30	-22.0			PIONEER PUMPING SERVICES, P.A.T	

Operations Summary

Frac Stg.30,31
Plug & Perf Stg. 31,32

Ran Chemical Tracer on all Stages
Hold 1,500 PSI on Annulus and monitor during Frac

Remarks

PPS Down Time: 8.25 Hrs__Cum 24.65 Hrs
E&P Down Time: 0.00 Hrs__Cum 0.00 Hrs
Select Down Time: 0.00 Hrs__Cum 0.00 Hrs
Priority Down Timw: 0.00 Hrs__Cum 1.50 Hrs

FTR: 282,319 bbls

RT: 0000 bbls

CR: 0000 bbls

LTR: 282,319 bbls

TSIF: 10,591,198 lbs

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/1/2014 06:00	1/1/2014 09:00	3	COMPL	Other operations	OTHR	WSI Wait on #2H & #3H Frac Ops.
1/1/2014 09:00	1/1/2014 17:15	8.25	COMPL_UNPLN D	Unplanned time due to PXD pumping services`	U_PEPX D	Down for pump repairs.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/1/2014 17:15	1/1/2014 19:15	2	COMPL	Frac	STIM	<p>Frac Stage # 30 of 33. Test stack to 9,500 PSI , Frac perfs as proposed W/ 42 bbls. 15% HCL 38,141 # 100 MESH / 312,981 # 30/50 Brady/ 8,686 BBLS Slickwater fluid, down 5.5' #20 CSG</p> <p>Formation broke @ 15 BPM/ 4338 PSI</p> <p>Shutdown: @ 80 BPM/5,487 PSI @ 60 BPM/4,758 PSI @ 40 BPM/4,111 PSI @ 20 BPM/3,644 PSI</p> <p>Pad ISIP: 3,195 PSI / 5 Min: 3,000 PSI</p> <p>Avg rate: 80.0 BPM Avg PSI: 5,320 Max rate: 80.0 BPM Max PSI: 6,750</p> <p>ISIP: 3,197 PSI FG 0.81</p> <p>FTR: 8,686 BBLS SIF: 351,122 # TOTAL SIF: 10,239,889 # TOTAL FTR: 273,196 BBLS</p>
1/1/2014 19:15	1/1/2014 21:15	2	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	<p>RU E&P WL for stage #31 of 33. RIH & pumped down w/Baker CFP & 5 - 3-1/8" guns, set CFP @ 9,148' Perforated Intervals: 8,879'-8,877'/8,939'-8,937'/8,999'-8,997'/9,059'-9,057'/9,119'-9,117' w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 40 holes total. POOH, RD WL.</p> <p>Pump Down @ 15 bpm / 5,000 psi. Line Speed 248 ft/min</p> <p>Used 44 bbls FTR Total 273,240 Bbl</p>
1/1/2014 21:15	1/2/2014 00:30	3.25	COMPL	Other operations	OTHR	WSI Wait on #2H & #3H Frac Ops.
1/2/2014 00:30	1/2/2014 02:30	2	COMPL	Frac	STIM	<p>Frac Stage # 31 of 33. Test stack to 9,500 PSI , Frac perfs as proposed W/ 50 bbls. 15% HCL 38,230 # 100 MESH / 313,079 # 30/50 Brady/ 9,037 BBLS Slickwater fluid, down 5.5' #20 CSG</p> <p>Formation broke @ 15 BPM/ 4,030 PSI</p> <p>Shutdown: @ 80 BPM/5,210 PSI @ 60 BPM/4,550 PSI @ 40 BPM/3,970 PSI @ 20 BPM/3,520 PSI</p> <p>Pad ISIP: 3,290 PSI / 5 Min: 2,970 PSI</p> <p>Avg rate: 80.0 BPM Avg PSI: 5,210 Max rate: 80.0 BPM Max PSI: 5,800</p> <p>ISIP: 3,163 PSI FG 0.81</p> <p>FTR: 9,037 BBLS SIF: 351,309 # TOTAL SIF: 10,591,198 # TOTAL FTR: 282,277 BBLS</p>

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/2/2014 02:30	1/2/2014 04:30	2	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	RU E&P WL for stage #32 of 33. RIH & pumped down w/Baker CFP & 5 – 3-1/8" guns, set CFP @ 8,848' Perforated Intervals: 8,579'-8,577'/8,639'-8,637'/8,699'-8,697'/8,759'-8,757'/8,819'-8,817' w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 40 holes total. POOH, RD WL. Pump Down @ 12 bpm / 4300 psi. Line Speed 295 ft/min Used 42 bbls FTR Total 282,319 Bbl
1/2/2014 04:30	1/2/2014 06:00	1.5	COMPL	Other operations	OTHR	WSI Wait on #2H & #3H Frac Ops.

Report #: 31 Daily Operation: 1/2/2014 06:00 - 1/3/2014 06:00

Job Category	Primary Job Type				AFE Number
ORIG COMPLETION	OCM				027778
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig
130	31	-22.0			PIONEER PUMPING SERVICES, P.A.T

Operations Summary

Frac Stg.32,33
Plug & Perf Stg. 33, Set Kill Plug at 30 degrees 7,952'
RDMO Pioneer Frac & Support Equipment

Ran Chemical Tracer on all Stages
Hold 1,500 PSI on Annulus and monitor during Frac

Remarks

PPS Down Time: 0.00 Hrs__Cum 24.65 Hrs
E&P Down Time: 0.00 Hrs__Cum 0.00 Hrs
Select Down Time: 0.00 Hrs__Cum 0.00 Hrs
Priority Down Timw: 0.00 Hrs__Cum 1.50 Hrs

FTR: 299,079 bbls

RT: 0000 bbls

CR: 0000 bbls

LTR: 299,079 bbls

TSIF: 11,223,715 lbs

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/2/2014 06:00	1/2/2014 10:00	4	COMPL	Other operations	OTHR	WSI Wait on #2H & #3H Frac Ops. Load sand into hoppers.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/2/2014 10:00	1/2/2014 12:30	2.5	COMPL	Frac	STIM	<p>Frac Stage # 32 of 33. Test stack to 9,500 PSI , Frac perfs as proposed W/ 39 bbls. 15% HCL 38,146 # 100 MESH / 313,016 # 30/50 Brady/ 9710 BBLS Slickwater fluid, down 5.5' #20 CSG</p> <p>Had to shut down in the 1.25# sand due to sanding off the belts from sand silo. After resuming worked sand concentration back up to 1.25# as frac as scheduled.</p> <p>Formation broke @ 15 BPM/ 4306 PSI</p> <p>Shutdown: @ 80 BPM/ 5,427 PSI @ 60 BPM/ 4,674 PSI @ 40 BPM/ 4,046 PSI @ 20 BPM/ 3,574 PSI</p> <p>Pad ISIP: 3,156 PSI / 5 Min: 2,919 PSI</p> <p>Avg rate: 80 BPM Avg PSI: 5285 Max rate: 82.0 BPM Max PSI: 5840</p> <p>ISIP: 3101 PSI FG .80</p> <p>FTR: 9710 BBLS SIF: 351,016 # TOTAL SIF: 10,942,360 # TOTAL FTR: 292,029 BBLS</p>
1/2/2014 12:30	1/2/2014 14:15	1.75	COMPL	RIH w/WL, set plug and perf, POOH w/WL	PERF	<p>RU E&P WL for stage #33 of 33. RIH & pumped down w/Baker CFP & 4 - 3-1/8" guns, set CFP @ 8,548' Perforated Intervals: 8,339'-8,337'/8,399'-8,397'/8,459'-8,457'/8,519'-8,517' w/ 60 deg phased, 19 gram charge, 0.42" EHD perf guns. 32 holes total. POOH, RD WL.</p> <p>Pump Down @ 12 bpm / 3400 psi. Line Speed 310 ft/min</p> <p>Used 24 bbls FTR Total 292,053 Bbl</p>
1/2/2014 14:15	1/2/2014 19:30	5.25	COMPL	Other operations	OTHR	WSI Wait on #3H Frac Ops.
1/2/2014 19:30	1/2/2014 21:30	2	COMPL	Frac	STIM	<p>Frac Stage # 33 of 33. Test stack to 9,500 PSI , Frac perfs as proposed W/ 49 bbls. 15% HCL 30,093 # 100 MESH / 251,262 # 30/50 Brady/ 7,026 BBLS Slickwater fluid, down 5.5' #20 CSG</p> <p>Formation broke @ 15 BPM/ 5,035 PSI</p> <p>Shutdown: @ 70 BPM/5,050 PSI @ 50 BPM/4,315 PSI @ 30 BPM/3,750 PSI @ 10 BPM/3,320 PSI</p> <p>Pad ISIP: 3,177 PSI / 5 Min: 2,890 PSI</p> <p>Pad FG: 0.82</p> <p>Avg rate: 69 BPM Avg PSI: 4,980 Max rate: 69 BPM Max PSI: 8,312</p> <p>ISIP: 3,070 PSI FG 0.80</p> <p>FTR: 7,026 BBLS SIF: 281,355 # TOTAL SIF: 11,223,715 # TOTAL FTR: 299,079 BBLS</p>

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/2/2014 21:30	1/2/2014 23:30	2	COMPL	Other wireline operations	WLOTHR	RU E&P WL for stage. RIH w/Baker Kill Plug and set at 7,952 (+/- 30*)
1/2/2014 23:30	1/3/2014 06:00	6.5	COMPL	RURD any equipment: WL, EL, CT, etc.	RURD	RDMO Pioneer frac Fleet and related equipment

Report #: 32 Daily Operation: 1/3/2014 06:00 - 1/4/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027778
Days From Spud (days) 131	Days on Location (days) 32	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

RDMO PPS frac equipment and all support equipment

Remarks

FTR: 299,079 bbls

RT: 0000 bbls

CR: 0000 bbls

LTR: 299,079 bbls

TSIF: 11,223,715 lbs

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/3/2014 06:00	1/3/2014 18:00	12	MOBILIZATION	RDMO	RDMO	RDMO PPS frac fleet and all support equipment. Priority on location ND goat head and top frac valve.
1/3/2014 18:00	1/4/2014 06:00	12	COMPL	Other operations	OTHR	WSI Waiting on Ops on 2H & 3H

Report #: 33 Daily Operation: 1/4/2014 06:00 - 1/5/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027778
Days From Spud (days) 132	Days on Location (days) 33	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

WSI. Waiting on drillout operations on the 3H & 2H.

Remarks

FTR: 299,079 bbls

RT: 0000 bbls

CR: 0000 bbls

LTR: 299,079 bbls

TSIF: 11,223,715 lbs

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/4/2014 06:00	1/5/2014 06:00	24	COMPL	Other operations	OTHR	WSI. Waiting on drillout operations on the 3H & 2H.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Report #: 34 Daily Operation: 1/24/2014 06:00 - 1/25/2014 06:00

Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 027778
Days From Spud (days) 152	Days on Location (days) 34	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig ESCO , # 239	

Operations Summary

Slide over from 2H R/U ESCO 239, R/U FB iron,
RIH Milling plugs
Drilled plug 32, 31

Remarks

FTR: 299,079 bbls

RT: 0 bbls

CR: 0 bbls

LTR: 299,079 bbls

8 full sand boxes on location. 5 from 3H, 3 from 2H, 1 box in use on 1H.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/24/2014 06:00	1/24/2014 14:00	8	PROD1	OTHER	WSI	WSI, no activity.
1/24/2014 14:00	1/24/2014 18:45	4.75	COMPL	RURD any equipment: WL, EL, CT, etc.	RURD	Slide over from 2H, R/U ESCO 239 & related equipment. install BOP's, annular, bird bath, RU flowback lines. Test Lines to 3000 psi. Test Good.
1/24/2014 18:45	1/25/2014 01:15	6.5	COMPL	Milling plugs	MILL	Start in hole with drill out BHA consisting of 4 5/8" JZ Bit, Bit Sub, Float Sub, 2 3/8" PH6 Jnt., F Nipple.
1/25/2014 01:15	1/25/2014 03:00	1.75	COMPL	Milling plugs	MILL	Tag Plug #32 on Jnt. 271 (7950') Lay down jnt 271 , close BOP's test BOP's to 3000 psi. Test Good. Pick up Power Swivel, and break circulation.
1/25/2014 03:00	1/25/2014 05:00	2	COMPL	Milling plugs	MILL	Tag kill plug @ 7950'. Pump 2.75 bpm/ 1350 psi. Return 3.75 bpm/ 425 psi. Drill time 30 min. Continue IH.
1/25/2014 05:00	1/25/2014 06:00	1	COMPL	Milling plugs	MILL	Tag & Drill CFP #31 @ 8,548". 291 jnts IH. Pumping 2.75 bpm/ 1600 psi. Returning 3.7 bpm/ 400 psi. Drill time 32 min. Pump 10 bbl 70 vis dyed sweep back to surface. Continue IH.

Report #: 35 Daily Operation: 1/25/2014 06:00 - 1/26/2014 06:00

Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 027778
Days From Spud (days) 153	Days on Location (days) 35	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig ESCO , # 239	

Operations Summary

PJSM, Circulate sweep around.
Lost water at pump, flowback let tanks go dry.
POOH with 34 jts to 7565', close well in.
Fill water tanks back up.
Water level up, RIH with Tbg circulating clean.
RIH and Drill plugs 30,29,28,27,26

Remarks

FTR: 299,079 bbls

RT: 1140 bbls

CR: 0 bbls

LTR: 297,939 bbls

BIT DATA: 4-5/8" JZ ,TYPE-HA-2G, S/N 1326949, 2-7/8" PIN, IADC 126.

8 full sand boxes on location. 5 from 3H, 3 from 2H, 1 box in use on 1H.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/25/2014 06:00	1/25/2014 06:15	0.25	SAFETY	PRE-JOB SAFETY MEETING	SAFETY	PJSM

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/25/2014 06:15	1/25/2014 12:30	6.25	COMPL	Milling plugs	MILL	Pumping sweep around. At 06:30 flowback came over and said we were out of water. Start POOH with tbq to vertical. Have water trucks hauling water. Pulled 34 jts up to 7565'. Well closed in, wait to get water levels up before starting back to drilling.
1/25/2014 12:30	1/25/2014 18:00	5.5	COMPL	Milling plugs	MILL	Water level back up. Start back RIH with tbq, tagged up after 1 jt, pump 10 BBL 70 vis dyed sweep and circulate hole clean. Continue running back in hole circulating clean.
1/25/2014 18:00	1/25/2014 20:00	2	COMPL	Milling plugs	MILL	Tag & Drill CFP #30 @ 8,848". 301 jnts IH. Pumping 3.3 bpm/ 1200 psi. Returning 4.0 bpm/ 260 psi. Drill time 47 min. Pump 10 bbl 70 vis dyed sweep back to surface. Continue IH.
1/25/2014 20:00	1/25/2014 22:30	2.5	COMPL	Milling plugs	MILL	Tag & Drill CFP #29 @ 9,148". 311 jnts IH. Pumping 3.3 bpm/ 1200 psi. Returning 4.0 bpm/ 460 psi. Drill time 25 min. Pump 10 bbl 70 vis dyed sweep back to surface. Continue IH.
1/25/2014 22:30	1/26/2014 01:00	2.5	COMPL	Milling plugs	MILL	Tag & Drill CFP #28 @ 9448". 311 jnts IH. Pumping 3.3 bpm/ 1200 psi. Returning 4.4 bpm/ 560 psi. Drill time 23 min. Pump 10 bbl 70 vis dyed sweep back to surface. Continue IH.
1/26/2014 01:00	1/26/2014 02:30	1.5	COMPL	Milling plugs	MILL	Tag & Drill CFP #27 @ 9748 ". 331 jnts IH. Pumping 3.3 bpm/ 1200 psi. Returning 4.4 bpm/ 600 psi. Drill time 20 min. Pump 10 bbl 70 vis dyed sweep back to surface. Continue IH.
1/26/2014 02:30	1/26/2014 04:30	2	COMPL	Milling plugs	MILL	Tag & Drill CFP #26 @ 10048". 342 jnts IH. Pumping 3.3 bpm/ 1200 psi. Returning 4.5 bpm/ 650 psi. Drill time 28 min. Pump 10 bbl 70 vis dyed sweep back to surface. Continue IH.
1/26/2014 04:30	1/26/2014 06:00	1.5	COMPL	Milling plugs	MILL	Tag & Drilling CFP #25 @ 10348". 342 jnts IH. Pumping 3.3 bpm/ 1200 psi. Returning 4.5 bpm/ 760 psi. Drill times 30 min. Pump 10 bbl 70 vis sweep. Circulate hole clean.

Report #: 36 Daily Operation: 1/26/2014 06:00 - 1/27/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027778	
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig		
154	36	-22.0			ESCO, # 239		

Operations Summary

PJSM, Circulate sweep around.
Drill plugs 25, 24, 23, 22, 21, 20, 19, 18, 17, 16

Remarks

FTR: 299,079 bbls

RT: -265 bbls

CR: 865 bbls

LTR: 298,204 bbls

BIT DATA: 4-5/8" JZ, TYPE-HA-2G, S/N 1326949, 2-7/8" PIN, IADC 126.

9 full sand boxes on location. 5 from 3H, 3 from 2H, 1 full & 1 box in use on 1H.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/26/2014 06:00	1/26/2014 06:15	0.25	SAFETY	PRE-JOB SAFETY MEETING	SAFETY	PJSM
1/26/2014 06:15	1/26/2014 07:30	1.25	COMPL	Milling plugs	MILL	Circulate hole clean.
1/26/2014 07:30	1/26/2014 10:30	3	COMPL	Milling plugs	MILL	Tag & Drill CFP #24 @ 10,648". 362 jnts IH. Pumping 3.0 bpm/ 1400 psi. Returning 4.1 bpm/ 480 psi. Drill time 36 min. Pump 10 bbl 70 vis dyed sweep back to surface. Continue IH.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/26/2014 10:30	1/26/2014 13:00	2.5	COMPL	Milling plugs	MILL	Tag & Drill CFP #23 @ 10,948". 372 jnts IH. Pumping 3.0 bpm/ 1400 psi. Returning 4.0 bpm/ 500 psi. Drill time 27 min.Pump 10 bbl 70 vis dyed sweep back to surface. Continue IH.
1/26/2014 13:00	1/26/2014 15:45	2.75	COMPL	Milling plugs	MILL	Tag & Drill CFP #22 @ 11,248". 381 jnts IH. Pumping 3.0 bpm/ 1400 psi. Returning 4.0 bpm/ 450 psi. Drill time 41 min.Pump 10 bbl 70 vis dyed sweep back to surface. Continue IH.
1/26/2014 15:45	1/26/2014 18:00	2.25	COMPL	Milling plugs	MILL	Tag & Drill CFP #21 @ 11,548". 391 jnts IH. Pumping 3.0 bpm/ 1400 psi. Returning 4.1 bpm/ 440 psi. Drill time 30 min.Pump 10 bbl 70 vis dyed sweep back to surface. Continue IH.
1/26/2014 18:00	1/26/2014 21:00	3	COMPL	Milling plugs	MILL	Tag & Drill CFP #20 @ 11848 ". 400 jnts IH. Pumping 3.0 bpm/ 1400 psi. Returning 3.75 bpm/ 375 psi. Drill time 28 min.Pump 10 bbl 70 vis dyed sweep back to surface. Continue IH.
1/26/2014 21:00	1/26/2014 23:30	2.5	COMPL	Milling plugs	MILL	Tag & Drill CFP #19 @ 12148 ". 410 jnts IH. Pumping 3.3 bpm/ 1300 psi. Returning 4.2 bpm/ 420 psi. Drill time 30 min.Pump 10 bbl 70 vis dyed sweep back to surface. Continue IH.
1/26/2014 23:30	1/27/2014 02:00	2.5	COMPL	Milling plugs	MILL	Tag & Drill CFP #18 @ 12,448". 420 jnts IH. Pumping 3.0 bpm/ 1400 psi. Returning 4.1 bpm/ 600 psi. Drill time 30 min.Pump 10 bbl 70 vis dyed sweep back to surface. Continue IH.
1/27/2014 02:00	1/27/2014 04:30	2.5	COMPL	Milling plugs	MILL	Tag & Drill CFP #17 @ 12,748". 429 jnts IH. Pumping 3.0 bpm/ 1400 psi. Returning 4.0 bpm/ 500 psi. Drill time 25 min.Pump 10 bbl 70 vis dyed sweep back to surface. Continue IH.
1/27/2014 04:30	1/27/2014 06:00	1.5	COMPL	Milling plugs	MILL	Tag & Drill CFP #16 @ 13,048". 439 jnts IH. Pumping 3.0 bpm/ 1400 psi. Returning 3.7 bpm/ 500 psi. Drill time 31 min.Pump 10 bbl 70 vis dyed sweep back to surface. Continue IH.

Report #: 37 Daily Operation: 1/27/2014 06:00 - 1/28/2014 06:00

Job Category			Primary Job Type			AFE Number
ORIG COMPLETION			OCM			027778
Days From Spud (days)	Days on Location (days)	End Depth (ftGRD)	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig	
155	37	-22.0			ESCO , # 239	

Operations Summary

PJSM, Circulate sweep around
Drill Plugs: 15, 14, 13, 12, 11, 10, 9, 8

Remarks

FTR: 299,079 bbls

RT: 661 bbls

CR: 1536 bbls

LTR: 297,543 bbls

BIT DATA: 4-5/8" JZ ,TYPE-HA-2G, S/N 1326949, 2-7/8" PIN, IADC 126.

9 full sand boxes on location. 5 from 3H, 3 from 2H, 1 full & 1 box in use on 1H.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/27/2014 06:00	1/27/2014 06:15	0.25	SAFETY	PRE-JOB SAFETY MEETING	SAFETY	PJSM
1/27/2014 06:15	1/27/2014 07:30	1.25	COMPL	Milling plugs	MILL	Circulate hole clean
1/27/2014 07:30	1/27/2014 11:00	3.5	COMPL	Milling plugs	MILL	Tag & Drill CFP #15 @ 13,348". 449 jnts IH. Pumping 3.0 bpm/ 1100 psi. Returning 3.8 bpm/ 480 psi. Drill time 35 min.Pump 10 bbl 70 vis dyed sweep back to surface. Continue IH.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/27/2014 11:00	1/27/2014 14:15	3.25	COMPL	Milling plugs	MILL	Tag & Drill CFP #14 @ 13,648'. 458 jnts IH. Pumping 3.0 bpm/ 1200 psi. Returning 4.2 bpm/ 440 psi. Drill time xx min.Pump 10 bbl 70 vis dyed sweep back to surface. Continue IH.
1/27/2014 14:15	1/27/2014 17:15	3	COMPL	Milling plugs	MILL	Tag & Drill CFP #13 @ 13,948'. 468 jnts IH. Pumping 3.0 bpm/ 1100 psi. Returning 4.2 bpm/ 400 psi. Drill time 34 min.Pump 10 bbl 70 vis dyed sweep back to surface. Continue IH.
1/27/2014 17:15	1/27/2014 20:00	2.75	COMPL	Milling plugs	MILL	Tag & Drill CFP #12 @ 14,248'. 478 jnts IH. Pumping 3.0 bpm/ 1100 psi. Returning 4.0 bpm/ 400 psi. Drill time 21 min.Pump 10 bbl 70 vis dyed sweep back to surface. Continue IH.
1/27/2014 20:00	1/27/2014 23:00	3	COMPL	Milling plugs	MILL	Tag & Drill CFP #11 @ 14,548'. 479 jnts IH. Pumping 3.0 bpm/ 1200 psi. Returning 4.6 bpm/ 520 psi. Drill time 29 min.Pump 10 bbl 70 vis dyed sweep back to surface. Continue IH.
1/27/2014 23:00	1/28/2014 02:00	3	COMPL	Milling plugs	MILL	Tag & Drill CFP #10 @ 14,848'. 497 jnts IH. Pumping 3.0 bpm/ 1200 psi. Returning 5.0 bpm/ 380 psi. Drill time 30 min.Pump 10 bbl 70 vis dyed sweep back to surface. Continue IH.
1/28/2014 02:00	1/28/2014 05:00	3	COMPL	Milling plugs	MILL	Tag & Drill CFP #9 @ 15,148'. 506 jnts IH. Pumping 3.0 bpm/ 1200 psi. Returning 5.0 bpm/ 320 psi. Drill time 40 min.Pump 10 bbl 70 vis dyed sweep back to surface. Continue IH.
1/28/2014 05:00	1/28/2014 06:00	1	COMPL	Milling plugs	MILL	Tag & Drill CFP #8 @ 15,448'. 516 jnts IH. Pumping 3.0 bpm/ 1800 psi. Returning 4.5 bpm/ 320 psi. Drilling at report time.

Report #: 38 Daily Operation: 1/28/2014 06:00 - 1/29/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027778
Days From Spud (days) 156	Days on Location (days) 38	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig ESCO , # 239	

Operations Summary

PJSM, Circulate sweep around.

Drill plugs 7,6,5,4,3,2,1

RIH to PBTD pump 10 bbl sweep 100 bbl spacer 10 bbl sweep

Remarks

FTR: 299,079 bbls

RT: 0 bbls

CR: 1,645 bbls

LTR: 297,434 bbls

BIT DATA: 4-5/8" JZ ,TYPE-HA-2G, S/N 1326949, 2-7/8" PIN, IADC 126.

10 full sand boxes on location. 5 from 3H, 3 from 2H, 2 full & 1 box in use on 1H.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/28/2014 06:00	1/28/2014 06:15	0.25	SAFETY	PRE-JOB SAFETY MEETING	SAFETY	PJSM
1/28/2014 06:15	1/28/2014 08:30	2.25	COMPL	Milling plugs	MILL	Thru Plug # 8 in 30 mins. Circulate sweep around.
1/28/2014 08:30	1/28/2014 11:00	2.5	COMPL	Milling plugs	MILL	Tag & Drill CFP #7 @ 15,748'. 526 jnts IH. Pumping 3.0 bpm/ 1100 psi. Returning 3.6 bpm/ 270 psi. Drill time 16 min.Pump 10 bbl 70 vis dyed sweep back to surface. Continue IH.
1/28/2014 11:00	1/28/2014 14:15	3.25	COMPL	Milling plugs	MILL	Tag & Drill CFP # 6 @ 16,048'. 535 jnts IH. Pumping 3.0 bpm/ 1000 psi. Returning 3.6 bpm/ 220 psi. Drill time 13 min.Pump 10 bbl 70 vis dyed sweep back to surface. Continue IH.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/28/2014 14:15	1/28/2014 17:15	3	COMPL	Milling plugs	MILL	Tag & Drill CFP # 5 @ 16,665'. 555 jnts IH. Pumping 3.0 bpm/ 1000 psi. Returning 4.0 bpm/ 220 psi. Drill time 38 min.Pump 10 bbl 70 vis dyed sweep back to surface. Continue IH.
1/28/2014 17:15	1/28/2014 20:30	3.25	COMPL	Milling plugs	MILL	Tag & Drill CFP # 4 @ 16,948'. 564 jnts IH. Pumping 3.0 bpm/ 1200 psi. Returning 4.5 bpm/ 300 psi. Drill time 45 min.Pump 10 bbl 70 vis dyed sweep back to surface. Continue IH.
1/28/2014 20:30	1/28/2014 23:15	2.75	COMPL	Milling plugs	MILL	Tag & Drill CFP # 3 @ 17,248'. 574 jnts IH. Pumping 3.0 bpm/ 1600 psi. Returning 4.1 bpm/ 300 psi. Drill time 25 min.Pump 10 bbl 70 vis dyed sweep back to surface. Continue IH.
1/28/2014 23:15	1/29/2014 02:30	3.25	COMPL	Milling plugs	MILL	Tag & Drill CFP # 2 @ 17,548'. 583 jnts IH. Pumping 3.0 bpm/ 1400 psi. Returning 4.1 bpm/ 300 psi. Drill time 24 min.Pump 10 bbl 70 vis dyed sweep back to surface. Continue IH.
1/29/2014 02:30	1/29/2014 04:45	2.25	COMPL	Milling plugs	MILL	Tag & Drill CFP # 1 @ 17,848'. 593 jnts IH. Pumping 3.0 bpm/ 1400 psi. Returning 4.1 bpm/ 300 psi. Drill time 19 min.Pump 10 bbl 70 vis dyed sweep back to surface. Continue IH.
1/29/2014 04:45	1/29/2014 06:00	1.25	COMPL	Milling plugs	MILL	Wash to PBTD, tag @ 18,139' w/jnt. # 602 ' in hole. L/D tag jnt. Pump 10 bbl. sweep, 100 bbl. spacer and additional 10 bbl. sweep.

Report #: 39 Daily Operation: 1/29/2014 06:00 - 1/30/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027778
Days From Spud (days) 157	Days on Location (days) 39	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig ESCO , # 239	

Operations Summary

PJSM while Circulating bottoms up.
POOH LD WS.
With 60 jts left in hole , secure well.
Prepare for snubbing unit.

Remarks

FTR: 299,079 bbls

RT: 460 bbls

CR: 1995 bbls

LTR: 297,084 bbls

BIT DATA: 4-5/8" JZ ,TYPE-HA-2G, S/N 1326949, 2-7/8" PIN, IADC 126.

10 full sand boxes on location. 5 from 3H, 3 from 2H, 2 full & 1 box in use on 1H.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/29/2014 06:00	1/29/2014 11:00	5	CIRC	CIRCULATE	CIRC	Circulate bottoms up while @ PBTD until returns were clean. LD power swivel. Shut well in. ISIP-400 psi.
1/29/2014 11:00	1/29/2014 22:30	11.5	TRIP OUT HOLE	TOOH	TOOH	Trip out of the hole laying down WS. Pull up to 90 degrees and Circulate bottoms up. Continue TOOH LD WS.
1/29/2014 22:30	1/30/2014 00:30	2	COMPL	RURD any equipment: WL, EL, CT, etc.	RURD	With 60 jts left in hole 620 psi on well. Secure well, RD floor and prepare for snubbing unit.
1/30/2014 00:30	1/30/2014 05:00	4.5	COMPL	Other operations	OTHR	Wait for snubbing unit.
1/30/2014 05:00	1/30/2014 06:00	1	COMPL	RURD any equipment: WL, EL, CT, etc.	RURD	MI Snubbing Unit

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Report #: 40 Daily Operation: 1/30/2014 06:00 - 1/31/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM		AFE Number 027778
Days From Spud (days) 158	Days on Location (days) 40	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig ESCO , # 239

Operations Summary

PJSM
MIRU Snubbing Unit. SICP-600 psi
TOOH w/60 jnts of WS. Snub out last 23 jnts.
Shut in well.
RDMO snubbing unit.
MIRU API Wireline.
Change out rams on BOP.
Make up Schlumberger ESP .
RIH with production tbg.

Remarks

FTR: 299,079 bbls

RT: 0 bbls

CR: 1995 bbls

LTR: 297,084 bbls

BIT DATA: 4-5/8" JZ ,TYPE-HA-2G, S/N 1326949, 2-7/8" PIN, IADC 126.

10 full sand boxes on location. 5 from 3H, 3 from 2H, 2 full & 1 box in use on 1H.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/30/2014 06:00	1/30/2014 07:15	1.25	MOBILIZATION	MIRU	MIRU	MIRU Cudd Snubbing Unit. Move pipe racks and cat walk and make ready to lay down remaining 60 jnts of WS. SICP-600 psi.
1/30/2014 07:15	1/30/2014 09:15	2	TRIP OUT HOLE	TOOH	TOOH	TOOH w/last 60 jnts of WS. Snubbing last 23 jnts. Shut in well.
1/30/2014 09:15	1/30/2014 10:00	0.75	MOBILIZATION	RDMO	RDMO	RDMO snubbing unit.
1/30/2014 10:00	1/30/2014 14:00	4	COMPL	Wireline operations to set packer	WLPK	MIRU API Wireline. NU Lubricator. MURIH w/CCL, 4.625" GR and JB. Run to a depth of 7450' and corrolate off of marker joints. POOH w/GR and JB. MURIH w/ CCL & 5 1/2" AS1X Packer w/ceramic disk sub (Vision Oil Tools). Set Packer @ 7,250' POOH w/WL.
1/30/2014 14:00	1/31/2014 05:00	15	COMPL	Tbg related operations	TUBING	Change out pipe rams to 2 3/8" Rita cable rams. PU Schlumberger ESP and assemble pump. RIH w/ESP and 226 jts 2 7/8" EUE produtction tubing to depth of 7239'KB. Prepare ESP cable for production tree.
1/31/2014 05:00	1/31/2014 06:00	1	WLHEAD	WELLHEAD	WLHEAD	Land tbg. Nipple down BOP & lower half of frac stack.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Report #: 41 Daily Operation: 1/31/2014 06:00 - 2/1/2014 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 027778
Days From Spud (days) 159	Days on Location (days) 41	End Depth (ftGRD) -22.0	End Depth (TVD) (ftGRD)	Dens Last Mud (lb/gal)	Rig ESCO , # 239	

Operations Summary
PJSM
ND Frac Valve
NU Production Tree
Test ESP Pump/Test Good
RDMO WOR

Remarks
FTR: 299,079 bbls

RT: 0 bbls

CR: 1995 bbls

LTR: 297,084 bbls

10 full sand boxes on location. 5 from 3H, 3 from 2H, 2 full & 1 box in use on 1H.
Sprint Energy dumping sand boxes OL. Key Energy cleaning sand X and frac tanks.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/31/2014 06:00	1/31/2014 11:00	5	WLHEAD	WELLHEAD	WLHEAD	Continue ND BOP & Frac valve. While ND Frac valve found the production tbg had stacked out on top of the packer. NU BOP and pull 1 jnt of production tubing and land. ND BOP. NU Production tree. Run temporary electric line to ESP and function test. Test good.
1/31/2014 11:00	1/31/2014 17:00	6	R/U/R/D	RIG UP / RIG DOWN	RIG UP / RIG DOWN	RDMO WOR. Clean up location. Supersucker crew OL cleaning sand X and tanks. Sprint Energy OL dumping sand boxes.
1/31/2014 17:00	2/1/2014 06:00	13	COMPL	Other operations	OTHR	Turn well over to production

WELL DETAILS

Well Name UNIVERSITY 2-6 1H	API/UWI 42-383-38336-0000	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	24	0.0	128.0	8/12/2013	8/12/2013
Surface	17 1/2	128.0	745.0	8/26/2013	8/26/2013
Intermediate	12 1/4	745.0	7,343.0	9/21/2013	9/28/2013
Production	8 1/2	7,343.0	18,208.0	10/2/2013	10/15/2013

Conductor Casing

Run Date 8/12/2013	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				120.00	1	-22.0	98.0
Run Date 8/12/2013	Set Depth (ftGRD) 128.0	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	128.00	1	0.0	128.0

Surface Casing

Set Depth (ftGRD) 728.0	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	68.00	K-55	725.00	19	3.0	728.0
Set Depth (ftGRD) 745.0	Run Date 8/27/2013	Centralizers 5						
Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top (ftGRD)	Btm (ftGRD)
Casing Cut Off	13 3/8	12.715	48.00	J-55	15.20	1	0.0	15.2

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Item Des		OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top (ftGRD)	Btm (ftGRD)		
Csg Jt		13 3/8	12.715	48.00	J-55	683.60	16	15.2	698.8		
Collar		13 3/8	12.715	48.00	J-55	1.47	1	698.8	700.2		
Csg Jt		13 3/8	12.715	48.00	J-55	42.91	1	700.2	743.2		
Shoe		13 3/8	12.715	48.00	J-55	1.85	1	743.2	745.0		
Surface Casing Cement											
Type Casing		String Surface, 745.0ftGRD		Cementing Start Date 8/27/2013		Cementing End Date 8/27/2013		Cementing Company SCHLUMBERGER		Top (ftGRD) 0.0	Btm (ftGRD) 745.0
Class Class C		Amount (sacks) 500			Yield (ft³/sack) 1.71			Density (lb/gal) 13.60			
Intermediate Casing											
Set Depth (ftGRD) 7,328.0		Run Date 9/30/2013			Centralizers						
Item Des		OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top (ftGRD)	Btm (ftGRD)		
Landing jt		9 5/8	8.835	40.00	L-80	0.00	0	2.8	2.8		
Hanger jt		9 5/8	8.835	40.00	L-80	4.63	1	2.8	7.5		
Casing Joints		9 5/8	8.835	40.00	L-80	45.24	1	7.5	52.7		
pup jt		9 5/8	8.835	40.00	L-80	10.00	1	52.7	62.7		
Casing Joints		9 5/8	8.835	40.00	L-80	3,318.76	71	62.7	3,381.5		
Casing Joints ryte wrap stops		9 5/8	8.835	40.00	L-80	45.13	1	3,381.5	3,426.6		
Casing Joints		9 5/8	8.835	40.00	L-80	2,107.19	45	3,426.6	5,533.8		
Casing Joints		9 5/8	8.755	43.50	L-80	46.09	1	5,533.8	5,579.9		
Casing Joints		9 5/8	8.835	40.00	L-80	139.02	3	5,579.9	5,718.9		
Casing Joints ryte wrap starts		9 5/8	8.835	40.00	L-80	47.12	1	5,718.9	5,766.0		
Casing Joints		9 5/8	8.755	43.50	L-80	1,468.11	32	5,766.0	7,234.1		
Float Collar		9 5/8	8.755	43.50	L-80	1.50	1	7,234.1	7,235.6		
Casing Joints		9 5/8	8.755	43.50	L-80	90.54	2	7,235.6	7,326.2		
Float Shoe		9 5/8		43.50	L-80	1.83	1	7,326.2	7,328.0		
Set Depth (ftGRD) 7,403.0		Run Date			Centralizers						
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	7,400.00	186	3.0	7,403.0		
Intermediate Casing Cement											
Type Casing		String Intermediate, 7,328.0ftGRD		Cementing Start Date 9/30/2013		Cementing End Date 9/30/2013		Cementing Company SCHLUMBERGER		Top (ftGRD) 3,178.0	Btm (ftGRD) 7,343.0
Class		Amount (sacks)			Yield (ft³/sack)			Density (lb/gal)			
Class TXI LITEWEIGHT					729 2.36			11.00			
Class Class C		246			1.09			16.40			
Class		Amount (sacks)			Yield (ft³/sack)			Density (lb/gal)			
								9.70			
Production Casing											
Set Depth (ftGRD) 18,205.0		Run Date 10/20/2013			Centralizers 16						
Item Des		OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top (ftGRD)	Btm (ftGRD)		
Casing Joints		5 1/2	4.778	20.00	P-110	0.00	0	2.7	2.7		
Casing Landing Joint		5 1/2	4.778	17.00	P-110	0.00	0	2.7	2.7		
Casing Hanger		5 1/2	4.778	20.00	P-110	3.47	1	2.7	6.1		
Casing Joints		5 1/2	4.778	20.00	P-110	7,183.61	171	6.1	7,189.7		
Marker Joint		5 1/2	4.778	20.00	P-110	20.60	1	7,189.7	7,210.3		
Casing Joints		5 1/2	4.778	20.00	P-110	172.07	4	7,210.3	7,382.4		
Marker Joint		5 1/2	4.778	20.00	P-110	19.70	1	7,382.4	7,402.1		
Casing Joints		5 1/2	4.778	20.00	P-110	10,714.68	255	7,402.1	18,116.8		
Float Collar		5 1/2	0.000	20.00	P-110	1.50	1	18,116.8	18,118.3		
Casing Joints		5 1/2	4.778	20.00	P-110	84.97	2	18,118.3	18,203.3		
Float Shoe		5 1/2	0.000	20.00	P-110	1.75	1	18,203.3	18,205.0		
Set Depth (ftGRD) 19,078.0		Run Date			Centralizers						
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	19,075.00	477	3.0	19,078.0		

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Production Casing Cement

Type	String	Cementing Start Date	Cementing End Date	Cementing Company	Top (ftGRD)	Btm (ftGRD)
Casing	Production, 18,205.0ftGRD	10/20/2013	10/20/2013	SCHLUMBERGER	2,478.0	18,205.0
Class	Amount (sacks)	Yield (ft³/sack)		Density (lb/gal)		
				10.50		
Class	Amount (sacks)	Yield (ft³/sack)		Density (lb/gal)		
TXI LITEWEIGHT	454	2.79		11.00		
Class	Amount (sacks)	Yield (ft³/sack)		Density (lb/gal)		
TXI LITEWEIGHT	1,986	1.58		12.50		
Class	Amount (sacks)	Yield (ft³/sack)		Density (lb/gal)		
				8.30		

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
8,315.0	8,317.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 33 Cluster 4
8,375.0	8,377.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 33 Cluster 3
8,435.0	8,437.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 33 Cluster 2
8,495.0	8,497.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 33 Cluster 1
8,555.0	8,557.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 32 Cluster 5
8,615.0	8,617.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 32 Cluster 4
8,675.0	8,677.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 32 Cluster 3
8,735.0	8,737.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 32 Cluster 2
8,795.0	8,797.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 32 Cluster 1
8,855.0	8,857.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 31 Cluster 5
8,915.0	8,917.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 31 Cluster 4
8,975.0	8,977.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 31 Cluster 3
9,035.0	9,037.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 31 Cluster 2
9,095.0	9,097.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 31 Cluster 1
9,155.0	9,157.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 30 Cluster 5
9,215.0	9,217.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 30 Cluster 4
9,275.0	9,277.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 30 Cluster 3
9,335.0	9,337.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 30 Cluster 2
9,395.0	9,397.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 30 Cluster 1
9,455.0	9,457.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 29 Cluster 5
9,515.0	9,517.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 29 Cluster 4
9,575.0	9,577.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 29 Cluster 3
9,635.0	9,637.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 29 Cluster 2
9,695.0	9,697.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 29 Cluster 1
9,755.0	9,757.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 28 Cluster 5
9,815.0	9,817.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 28 Cluster 4
9,875.0	9,877.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 28 Cluster 3
9,935.0	9,937.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 28 Cluster 2
9,995.0	9,997.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 28 Cluster 1
10,055.0	10,057.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 27 Cluster 5
10,115.0	10,117.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 27 Cluster 4
10,175.0	10,177.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 27 Cluster 3
10,235.0	10,237.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 27 Cluster 2
10,295.0	10,297.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 27 Cluster 1
10,355.0	10,357.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 26 Cluster 5
10,415.0	10,417.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 26 Cluster 4
10,475.0	10,477.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 26 Cluster 3
10,535.0	10,537.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 26 Cluster 2
10,595.0	10,597.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 26 Cluster 1
10,655.0	10,657.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 25 Cluster 5
10,715.0	10,717.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 25 Cluster 4
10,775.0	10,777.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 25 Cluster 3

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Perforations

Top (ftGRD)	Btm (ftGRD)	Zone	Shot Dens (shots/ft)	Entered Shot Total	Com
10,835.0	10,837.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 25 Cluster 2
10,895.0	10,897.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 25 Cluster 1
10,955.0	10,957.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 24 Cluster 5
11,015.0	11,017.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 24 Cluster 4
11,075.0	11,077.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 24 Cluster 3
11,135.0	11,137.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 24 Cluster 2
11,195.0	11,197.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 24 Cluster 1
11,255.0	11,257.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 23 Cluster 5
11,315.0	11,317.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 23 Cluster 4
11,375.0	11,377.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 23 Cluster 3
11,435.0	11,437.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 23 Cluster 2
11,495.0	11,497.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 23 Cluster 1
11,555.0	11,557.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 22 Cluster 5
11,615.0	11,617.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 22 Cluster 4
11,675.0	11,677.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 22 Cluster 3
11,735.0	11,737.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 22 Cluster 2
11,795.0	11,797.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 22 Cluster 1
11,855.0	11,857.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 21 Cluster 5
11,915.0	11,917.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 21 Cluster 4
11,975.0	11,977.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 21 Cluster 3
12,035.0	12,037.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 21 Cluster 2
12,095.0	12,097.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 21 Cluster 1
12,155.0	12,157.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 20 Cluster 5
12,215.0	12,217.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 20 Cluster 4
12,275.0	12,277.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 20 Cluster 3
12,335.0	12,337.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 20 Cluster 2
12,395.0	12,397.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 20 Cluster 1
12,455.0	12,457.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 19 Cluster 5
12,515.0	12,517.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 19 Cluster 4
12,575.0	12,577.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 19 Cluster 3
12,635.0	12,637.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 19 Cluster 2
12,695.0	12,697.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 19 Cluster 1
12,755.0	12,757.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 18 Cluster 5
12,815.0	12,817.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 18 Cluster 4
12,875.0	12,877.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 18 Cluster 3
12,935.0	12,937.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 18 Cluster 2
12,995.0	12,997.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 18 Cluster 1
13,055.0	13,057.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 17 Cluster 5
13,115.0	13,117.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 17 Cluster4
13,175.0	13,177.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 17 Cluster 3
13,235.0	13,237.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 17 Cluster 2
13,295.0	13,297.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 17 Cluster 1
13,355.0	13,357.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 16 Cluster 5
13,415.0	13,417.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 16 Cluster 4
13,475.0	13,477.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 16 Cluster 3
13,535.0	13,537.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 16 Cluster 2
13,595.0	13,597.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 16 Cluster 1
13,655.0	13,657.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 15 Cluster 5
13,715.0	13,717.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 15 Cluster 4
13,775.0	13,777.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 15 Cluster 3
13,835.0	13,837.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 15 Cluster 2
13,895.0	13,897.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 15 Cluster 1
13,955.0	13,957.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 14 Cluster 5
14,015.0	14,017.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 14 Cluster 4

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Perforations

Top (ftGRD)	Btm (ftGRD)	Zone	Shot Dens (shots/ft)	Entered Shot Total	Com
14,075.0	14,077.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 14 Cluster3
14,135.0	14,137.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 14 Cluster 2
14,195.0	14,197.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 14 Cluster 1
14,255.0	14,257.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 13 Cluster 5
14,315.0	14,317.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 13 Cluster 4
14,375.0	14,377.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 13 Cluster 3
14,435.0	14,437.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 13 Cluster 2
14,495.0	14,497.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 13 Cluster 1
14,555.0	14,557.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 12 Cluster 5
14,615.0	14,617.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 12 Cluster 4
14,675.0	14,677.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 12 Cluster 3
14,735.0	14,737.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 12 Cluster 2
14,795.0	14,797.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 12 Cluster 1
14,855.0	14,857.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 11 Cluster 5
14,915.0	14,917.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 11 Cluster 4
14,975.0	14,977.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 11 Cluster 3
15,035.0	15,037.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 11 Cluster 2
15,095.0	15,097.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 11 Cluster 1
15,155.0	15,157.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 10 Cluster 5
15,215.0	15,217.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 10 Cluster 4
15,275.0	15,277.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 10 Cluster 3
15,335.0	15,337.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 10 Cluster 2
15,395.0	15,397.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 10 Cluster 1
15,455.0	15,457.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 9 Cluster 5
15,515.0	15,517.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 9 Cluster 4
15,575.0	15,577.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 9 Cluster 3
15,635.0	15,637.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 9 Cluster 2
15,695.0	15,697.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 9 Cluster 1
15,755.0	15,757.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 8 Cluster 5
15,815.0	15,817.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 8 Cluster 4
15,875.0	15,877.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 8 Cluster 3
15,935.0	15,937.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 8 Cluster 2
15,995.0	15,997.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 8 Cluster 1
16,055.0	16,057.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 7 Cluster 5
16,115.0	16,117.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 7 Cluster 4
16,175.0	16,177.0		4.0	8	Stage 7 Cluster 3
16,235.0	16,237.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 7 Cluster 2
16,295.0	16,297.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 7 Cluster 1
16,345.0	16,347.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 6 Cluster 5
16,355.0	16,357.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 6 Cluster 5
16,405.0	16,407.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 6 Cluster 4
16,415.0	16,417.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 6 Cluster 4
16,465.0	16,467.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 6 Cluster 3
16,475.0	16,477.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 6 Cluster 3
16,525.0	16,527.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 6 Cluster 2
16,535.0	16,537.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 6 Cluster 2
16,585.0	16,587.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 6 Cluster 1
16,595.0	16,597.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 6 Cluster 1
16,655.0	16,657.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 5 Cluster 5
16,715.0	16,717.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 5Cluster 4
16,775.0	16,777.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 5 Cluster 3
16,835.0	16,837.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 5 Cluster 2
16,895.0	16,897.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 5 Cluster 1
16,955.0	16,957.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 4 Cluster 5

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Perforations

Top (ftGRD)	Btm (ftGRD)	Zone	Shot Dens (shots/ft)	Entered Shot Total	Com
17,015.0	17,017.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 4 Cluster 4
17,075.0	17,077.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 4 Cluster 3
17,135.0	17,137.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 4 Cluster 2
17,195.0	17,197.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 4 Cluster 1
17,255.0	17,257.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 3 Cluster 5
17,315.0	17,317.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 3 Cluster 4
17,375.0	17,377.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 3 Cluster 3
17,435.0	17,437.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 3 Cluster 2
17,495.0	17,497.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 3 Cluster 1
17,555.0	17,557.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 2 Cluster 5
17,615.0	17,617.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 2 Cluster 4
17,675.0	17,677.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 2 Cluster 3
17,735.0	17,737.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 2 Cluster 2
17,795.0	17,797.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 2 Cluster 1
17,855.0	17,857.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 1 Cluster 5
17,915.0	17,917.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 1 Cluster 4
17,975.0	17,977.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 1 Cluster 3
18,035.0	18,037.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 1 Cluster 2
18,095.0	18,097.0	Middle Wolfcamp, Original Hole	4.0	8	Stage 1 Cluster 1

Stimulations & Treatments (Actual)

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
12/14/2013	Stage 1	Pioneer Pumping Services	17,855.0	18,097.0	100 Mesh 1 Bulk Sand 12500 lb; 100 Mesh 2 Bulk Sand 25535 lb; Brady 1 Bulk Sand 12500 lb; Brady 2 Bulk Sand 20625 lb; Brady 3 Bulk Sand 30000 lb; Brady 4 Bulk Sand 40625 lb; Brady 5 Bulk Sand 52500 lb; Brady 6 Bulk Sand 56875 lb; Brady 7 Bulk Sand 50000 l	9,927.00

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
12/14/2013	Stage 2	Pioneer Pumping Services	17,555.0	17,797.0	100 Mesh 1 Bulk Sand 12500 lb; 100 Mesh 2 Bulk Sand 24578 lb; Brady 1 Bulk Sand 12500 lb; Brady 2 Bulk Sand 20625 lb; Brady 3 Bulk Sand 30000 lb; Brady 4 Bulk Sand 40625 lb; Brady 5 Bulk Sand 52500 lb; Brady 6 Bulk Sand 56875 lb; Brady 7 Bulk Sand 50000 l	11,245.00

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
12/15/2013	Stage 3	Pioneer Pumping Services	17,255.0	17,497.0	100 Mesh 1 Bulk Sand 12500 lb; 100 Mesh 2 Bulk Sand 26054 lb; Brady 1 Bulk Sand 12500 lb; Brady 2 Bulk Sand 20625 lb; Brady 3 Bulk Sand 30000 lb; Brady 4 Bulk Sand 40625 lb; Brady 5 Bulk Sand 52500 lb; Brady 6 Bulk Sand 56875 lb; Brady 7 Bulk Sand 50000 l	9,691.00

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
12/15/2013	Stage 4	Pioneer Pumping Services	16,955.0	17,197.0	100 Mesh 1 Bulk Sand 12500 lb; 100 Mesh 2 Bulk Sand 25858 lb; Brady 1 Bulk Sand 12500 lb; Brady 2 Bulk Sand 20625 lb; Brady 3 Bulk Sand 30000 lb; Brady 4 Bulk Sand 40625 lb; Brady 5 Bulk Sand 52500 lb; Brady 6 Bulk Sand 56875 lb; Brady 7 Bulk Sand 50000 l	9,231.00

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
12/16/2013	Stage 5	Pioneer Pumping Services	16,655.0	16,897.0	100 Mesh 1 Bulk Sand 12500 lb; 100 Mesh 2 Bulk Sand 25192 lb; Brady 1 Bulk Sand 12500 lb; Brady 2 Bulk Sand 20625 lb; Brady 3 Bulk Sand 30000 lb; Brady 4 Bulk Sand 40625 lb; Brady 5 Bulk Sand 52500 lb; Brady 6 Bulk Sand 56875 lb; Brady 7 Bulk Sand 50000 l	9,179.00

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Stimulations & Treatments (Actual)

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
12/17/2013	Stage 6	Pioneer Pumping Services	16,355.0	16,597.0	100 Mesh 1 Bulk Sand 8446 lb	7,429.00

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
12/17/2013	Stage 7	Pioneer Pumping Services	16,055.0	16,297.0	100 Mesh 1 Bulk Sand 12500 lb; 100 Mesh 2 Bulk Sand 25229 lb; Brady 1 Bulk Sand 12500 lb; Brady 2 Bulk Sand 20625 lb; Brady 3 Bulk Sand 30000 lb; Brady 4 Bulk Sand 40625 lb; Brady 5 Bulk Sand 52500 lb; Brady 6 Bulk Sand 56875 lb; Brady 7 Bulk Sand 50000 l	9,287.00

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
12/18/2013	Stage 8	Pioneer Pumping Services	15,755.0	15,997.0	100 Mesh 1 Bulk Sand 12500 lb; 100 Mesh 2 Bulk Sand 24220 lb; Brady 1 Bulk Sand 12500 lb; Brady 2 Bulk Sand 20625 lb; Brady 3 Bulk Sand 30000 lb; Brady 4 Bulk Sand 40625 lb; Brady 5 Bulk Sand 52500 lb; Brady 6 Bulk Sand 56875 lb; Brady 7 Bulk Sand 50000 l	8,876.00

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
12/18/2013	Stage 9	Pioneer Pumping Services	15,455.0	15,697.0	100 Mesh 1 Bulk Sand 12500 lb; 100 Mesh 2 Bulk Sand 26710 lb; Brady 1 Bulk Sand 12500 lb; Brady 2 Bulk Sand 20625 lb; Brady 3 Bulk Sand 30000 lb; Brady 4 Bulk Sand 40625 lb; Brady 5 Bulk Sand 52500 lb; Brady 6 Bulk Sand 56875 lb; Brady 7 Bulk Sand 50000 l	9,325.00

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
12/18/2013	Stage 10	Pioneer Pumping Services	15,155.0	15,397.0	100 Mesh 1 Bulk Sand 12500 lb; 100 Mesh 2 Bulk Sand 25489 lb; Brady 1 Bulk Sand 12500 lb; Brady 2 Bulk Sand 20625 lb; Brady 3 Bulk Sand 30000 lb; Brady 4 Bulk Sand 40625 lb; Brady 5 Bulk Sand 52500 lb; Brady 6 Bulk Sand 56875 lb; Brady 7 Bulk Sand 50000 l	9,220.00

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
12/19/2013	Stage 11	Pioneer Pumping Services	14,855.0	15,097.0	100 Mesh 1 Bulk Sand 12500 lb; 100 Mesh 2 Bulk Sand 37591 lb; Brady 1 Bulk Sand 12500 lb; Brady 2 Bulk Sand 20625 lb; Brady 3 Bulk Sand 30000 lb; Brady 4 Bulk Sand 40625 lb; Brady 5 Bulk Sand 52500 lb; Brady 6 Bulk Sand 56875 lb; Brady 7 Bulk Sand 50000 l	8,984.00

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
12/19/2013	Stage 12	Pioneer Pumping Services	14,555.0	14,797.0	100 Mesh 1 Bulk Sand 12500 lb; 100 Mesh 2 Bulk Sand 24798 lb; Brady 1 Bulk Sand 12500 lb; Brady 2 Bulk Sand 20625 lb; Brady 3 Bulk Sand 30000 lb; Brady 4 Bulk Sand 40625 lb; Brady 5 Bulk Sand 52500 lb; Brady 6 Bulk Sand 56875 lb; Brady 7 Bulk Sand 50000 l	9,099.00

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
12/20/2013	Stage 13	Pioneer Pumping Services	13,955.0	14,497.0	100 Mesh 1 Bulk Sand 12500 lb; 100 Mesh 2 Bulk Sand 25666 lb; Brady 1 Bulk Sand 12500 lb; Brady 2 Bulk Sand 20625 lb; Brady 3 Bulk Sand 30000 lb; Brady 4 Bulk Sand 40625 lb; Brady 5 Bulk Sand 52500 lb; Brady 6 Bulk Sand 56875 lb; Brady 7 Bulk Sand 50000 l	8,969.00

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
12/20/2013	Stage 14	Pioneer Pumping Services	13,955.0	14,197.0	100 Mesh 1 Bulk Sand 12500 lb; 100 Mesh 2 Bulk Sand 24375 lb; Brady 1 Bulk Sand 12500 lb; Brady 2 Bulk Sand 20625 lb; Brady 3 Bulk Sand 30000 lb; Brady 4 Bulk Sand 40625 lb; Brady 5 Bulk Sand 52500 lb; Brady 6 Bulk Sand 56875 lb; Brady 7 Bulk Sand 50000 l	9,144.00

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Stimulations & Treatments (Actual)

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
12/21/2013	Stage 15	Pioneer Pumping Services	13,655.0	13,897.0	0; 100 Mesh 1 Bulk Sand 12500 lb; 100 Mesh 2 Bulk Sand 25152 lb; Brady 1 Bulk Sand 12500 lb; Brady 2 Bulk Sand 20625 lb; Brady 3 Bulk Sand 30000 lb; Brady 4 Bulk Sand 40625 lb; Brady 5 Bulk Sand 52500 lb; Brady 6 Bulk Sand 56875 lb; Brady 7 Bulk Sand 5000	9,017.00

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
12/21/2013	Stage 16	Pioneer Pumping Services	13,355.0	13,597.0	100 Mesh 1 Bulk Sand 12500 lb; 100 Mesh 2 Bulk Sand 25106 lb; Brady 1 Bulk Sand 12500 lb; Brady 2 Bulk Sand 20625 lb; Brady 3 Bulk Sand 30000 lb; Brady 4 Bulk Sand 40625 lb; Brady 5 Bulk Sand 52500 lb; Brady 6 Bulk Sand 56875 lb; Brady 7 Bulk Sand 50000 l	8,896.00

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
12/22/2013	Stage 17	Pioneer Pumping Services	13,055.0	13,297.0	100 Mesh 1 Bulk Sand 12500 lb; 100 Mesh 2 Bulk Sand 25222 lb; Brady 1 Bulk Sand 12500 lb; Brady 2 Bulk Sand 20625 lb; Brady 3 Bulk Sand 30000 lb; Brady 4 Bulk Sand 40625 lb; Brady 5 Bulk Sand 52500 lb; Brady 6 Bulk Sand 56875 lb; Brady 7 Bulk Sand 50000 l	9,008.00

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
12/22/2013	Stage 18	Pioneer Pumping Services	12,755.0	12,997.0	100 Mesh 1 Bulk Sand 12500 lb; 100 Mesh 2 Bulk Sand 24704 lb; Brady 1 Bulk Sand 12500 lb; Brady 2 Bulk Sand 20625 lb; Brady 3 Bulk Sand 30000 lb; Brady 4 Bulk Sand 40625 lb; Brady 5 Bulk Sand 52500 lb; Brady 6 Bulk Sand 56875 lb; Brady 7 Bulk Sand 50000 l	8,947.00

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
12/23/2013	Stage 19	Pioneer Pumping Services	12,455.0	12,697.0	100 Mesh 1 Bulk Sand 12500 lb; 100 Mesh 2 Bulk Sand 25952 lb; Brady 1 Bulk Sand 12500 lb; Brady 2 Bulk Sand 20625 lb; Brady 3 Bulk Sand 30000 lb; Brady 4 Bulk Sand 40625 lb; Brady 5 Bulk Sand 52500 lb; Brady 6 Bulk Sand 56875 lb; Brady 7 Bulk Sand 50000 l	9,222.00

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
12/23/2013	Stage 20	Pioneer Pumping Services	12,155.0	12,397.0	100 Mesh 1 Bulk Sand 12500 lb; 100 Mesh 2 Bulk Sand 25453 lb; Brady 1 Bulk Sand 12500 lb; Brady 2 Bulk Sand 20625 lb; Brady 3 Bulk Sand 30000 lb; Brady 4 Bulk Sand 40625 lb; Brady 5 Bulk Sand 52500 lb; Brady 6 Bulk Sand 56875 lb; Brady 7 Bulk Sand 50000 l	9,179.00

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
12/23/2013	Stage 21	Pioneer Pumping Services	11,855.0	12,097.0	100 Mesh 1 Bulk Sand 12500 lb; 100 Mesh 2 Bulk Sand 25575 lb; Brady 1 Bulk Sand 12500 lb; Brady 2 Bulk Sand 20625 lb; Brady 3 Bulk Sand 30000 lb; Brady 4 Bulk Sand 40625 lb; Brady 5 Bulk Sand 52500 lb; Brady 6 Bulk Sand 56875 lb; Brady 7 Bulk Sand 50000 l	8,771.00

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
12/27/2013	Stage 22	Pioneer Pumping Services	11,555.0	11,797.0	100 Mesh 1 Bulk Sand 12500 lb; 100 Mesh 2 Bulk Sand 24569 lb; Brady 1 Bulk Sand 12500 lb; Brady 2 Bulk Sand 20625 lb; Brady 3 Bulk Sand 30000 lb; Brady 4 Bulk Sand 40625 lb; Brady 5 Bulk Sand 52500 lb; Brady 6 Bulk Sand 56875 lb; Brady 7 Bulk Sand 50000 l	8,975.00

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Stimulations & Treatments (Actual)

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
12/28/2013	Stage 23	Pioneer Pumping Services	11,255.0	11,497.0	100 Mesh 1 Bulk Sand 12500 lb; 100 Mesh 2 Bulk Sand 25219 lb; Brady 1 Bulk Sand 12500 lb; Brady 2 Bulk Sand 20625 lb; Brady 3 Bulk Sand 30000 lb; Brady 4 Bulk Sand 40625 lb; Brady 5 Bulk Sand 52500 lb; Brady 6 Bulk Sand 56875 lb; Brady 7 Bulk Sand 50000 l	8,955.00

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
12/29/2013	Stage 24	Pioneer Pumping Services	10,955.0	11,197.0	100 Mesh 1 Bulk Sand 12500 lb; 100 Mesh 2 Bulk Sand 25336 lb; Brady 1 Bulk Sand 12500 lb; Brady 2 Bulk Sand 20625 lb; Brady 3 Bulk Sand 30000 lb; Brady 4 Bulk Sand 40625 lb; Brady 5 Bulk Sand 52500 lb; Brady 6 Bulk Sand 56875 lb; Brady 7 Bulk Sand 50000 l	9,173.00

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
12/29/2013	Stage 25	Pioneer Pumping Services	10,655.0	10,897.0	100 Mesh 1 Bulk Sand 12500 lb; 100 Mesh 2 Bulk Sand 25725 lb; Brady 1 Bulk Sand 12500 lb; Brady 2 Bulk Sand 20625 lb; Brady 3 Bulk Sand 30000 lb; Brady 4 Bulk Sand 40625 lb; Brady 5 Bulk Sand 52500 lb; Brady 6 Bulk Sand 56875 lb; Brady 7 Bulk Sand 50000 l	8,900.00

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
12/30/2013	Stage 26	Pioneer Pumping Services	10,355.0	10,597.0	100 Mesh 1 Bulk Sand 12500 lb; 100 Mesh 2 Bulk Sand 24089 lb; Brady 1 Bulk Sand 12500 lb; Brady 2 Bulk Sand 20625 lb; Brady 3 Bulk Sand 30000 lb; Brady 4 Bulk Sand 40625 lb; Brady 5 Bulk Sand 52500 lb; Brady 6 Bulk Sand 56875 lb; Brady 7 Bulk Sand 50000 l	8,958.00

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
12/30/2013	Stage 27	Pioneer Pumping Services	10,055.0	10,297.0	100 Mesh 1 Bulk Sand 12500 lb; 100 Mesh 2 Bulk Sand 25802 lb; Brady 1 Bulk Sand 12500 lb; Brady 2 Bulk Sand 20625 lb; Brady 3 Bulk Sand 30000 lb; Brady 4 Bulk Sand 40625 lb; Brady 5 Bulk Sand 52500 lb; Brady 6 Bulk Sand 56875 lb; Brady 7 Bulk Sand 50000 l	8,725.00

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
12/31/2013	Stage 28	Pioneer Pumping Services	9,755.0	9,997.0	100 Mesh 1 Bulk Sand 12500 lb; 100 Mesh 2 Bulk Sand 24061 lb; Brady 1 Bulk Sand 12500 lb; Brady 2 Bulk Sand 20625 lb; Brady 3 Bulk Sand 30000 lb; Brady 4 Bulk Sand 40625 lb; Brady 5 Bulk Sand 52500 lb; Brady 6 Bulk Sand 56875 lb; Brady 7 Bulk Sand 50000 l	8,888.00

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
12/31/2013	Stage 29	Pioneer Pumping Services	9,455.0	9,697.0	100 Mesh 1 Bulk Sand 12500 lb; 100 Mesh 2 Bulk Sand 24021 lb; Brady 1 Bulk Sand 12500 lb; Brady 2 Bulk Sand 20625 lb; Brady 3 Bulk Sand 30000 lb; Brady 4 Bulk Sand 40625 lb; Brady 5 Bulk Sand 52500 lb; Brady 6 Bulk Sand 56875 lb; Brady 7 Bulk Sand 50000 l	8,865.00

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
1/1/2014	Stage 30	Pioneer Pumping Services	9,155.0	9,397.0	100 Mesh 1 Bulk Sand 12500 lb; 100 Mesh 2 Bulk Sand 25641 lb; Brady 1 Bulk Sand 12500 lb; Brady 2 Bulk Sand 20625 lb; Brady 3 Bulk Sand 30000 lb; Brady 4 Bulk Sand 40625 lb; Brady 5 Bulk Sand 52500 lb; Brady 6 Bulk Sand 56875 lb; Brady 7 Bulk Sand 50000 l	8,730.00

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Stimulations & Treatments (Actual)

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
1/2/2014	Stage 31	Pioneer Pumping Services	8,855.0	9,097.0	100 Mesh 1 Bulk Sand 12500 lb; 100 Mesh 2 Bulk Sand 25730 lb; Brady 1 Bulk Sand 12500 lb; Brady 2 Bulk Sand 20625 lb; Brady 3 Bulk Sand 30000 lb; Brady 4 Bulk Sand 40625 lb; Brady 5 Bulk Sand 52500 lb; Brady 6 Bulk Sand 56875 lb; Brady 7 Bulk Sand 50000 l	9,079.00

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
1/2/2014	Stage 32	Pioneer Pumping Services	8,555.0	8,797.0	100 Mesh 1 Bulk Sand 11462 lb; 100 Mesh 2 Bulk Sand 26684 lb; Brady 1 Bulk Sand 11641 lb; Brady 2 Bulk Sand 20205 lb; Brady 3 Bulk Sand 28844 lb; Brady 4 Bulk Sand 38527 lb; Brady 5 Bulk Sand 55579 lb; Brady 6 Bulk Sand 56934 lb; Brady 7 Bulk Sand 47170 l	9,734.00

<Comment?>, Middle Wolfcamp, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftGRD)	Max Btm Depth (ftGRD)	Total Add Amount	Total Clean Volume (bbl)
1/2/2014	Stage 33	Pioneer Pumping Services	8,315.0	8,497.0	100 Mesh 1 Bulk Sand 10000 lb; 100 Mesh 2 Bulk Sand 20093 lb; Brady 1 Bulk Sand 10000 lb; Brady 2 Bulk Sand 16500 lb; Brady 3 Bulk Sand 24000 lb; Brady 4 Bulk Sand 32500 lb; Brady 5 Bulk Sand 42000 lb; Brady 6 Bulk Sand 45500 lb; Brady 7 Bulk Sand 40000 l	7,026.00

Zones

Zone Name	Top (ftGRD)
Dean	
Middle Wolfcamp	
Lower Wolfcamp	
Upper Wolfcamp	
Middle Spraberry	
Lower Spraberry	
San Andres	

Tubing Details

Tubing Description	Set Depth (ftGRD)	Run Date
Tubing - Production	7,217.0	1/31/2014

Tubing Components

Item Des	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top (ftGRD)	Btm (ftGRD)
Tubing	2 7/8	6.50	L-80	7,137.50	225	0.0	7,137.5
ESP - Pump	4			14.80		7,137.5	7,152.3
ESP - Pump	4			21.80		7,152.3	7,174.1
AGH	4			6.30		7,174.1	7,180.4
Gas separator	4			3.20		7,180.4	7,183.6
Protector	4 1/2			8.00		7,183.6	7,191.6
ESP - Motor	4.56			23.50		7,191.6	7,215.1
Sensor	4 1/2			1.87		7,215.1	7,217.0

Rod Strings

Rod Description	Set Depth (ftGRD)	Run Date

Rod Components

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

Other In Hole

Des	Top (ftGRD)	Btm (ftGRD)	OD (in)	Run Date	Pull Date	Com	String	Wellbore
Composite Plug 1	17,826.0	17,828.0	4.89	12/14/2013	1/29/2014		Production, 18,205.0ftGRD	Original Hole
Composite Plug 2	17,526.0	17,528.0	4.89	12/15/2013	1/28/2014		Production, 18,205.0ftGRD	Original Hole
Composite Plug 3	17,226.0	17,228.0	4.89	12/15/2013	1/28/2014		Production, 18,205.0ftGRD	Original Hole
Composite Plug 4	16,926.0	16,928.0	4.89	12/16/2013	1/28/2014		Production, 18,205.0ftGRD	Original Hole
Composite Plug 5	16,626.0	16,628.0	4.89	12/16/2013	1/28/2014		Production, 18,205.0ftGRD	Original Hole

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Other In Hole								
Des	Top (ftGRD)	Btm (ftGRD)	OD (in)	Run Date	Pull Date	Com	String	Wellbore
Composite Plug 6	16,026.0	16,028.0	4.89	12/17/2013	1/28/2014	Plug 6 was not set so re-ordered the number. Please notice that its a 600' difference between this plug and the previous plug.	Production, 18,205.0ftGRD	Original Hole
Composite Plug 7	15,726.0	15,728.0	4.89	12/18/2013	1/28/2014		Production, 18,205.0ftGRD	Original Hole
Composite Plug 8	15,426.0	15,428.0	4.89	12/18/2013	1/28/2014		Production, 18,205.0ftGRD	Original Hole
Composite Plug 9	15,126.0	15,128.0	4.89	12/18/2013	1/28/2014		Production, 18,205.0ftGRD	Original Hole
Composite Plug 10	14,826.0	14,828.0	4.89	12/19/2013	1/27/2014		Production, 18,205.0ftGRD	Original Hole
Composite Plug 11	14,526.0	14,528.0	4.89	12/20/2013	1/27/2014		Production, 18,205.0ftGRD	Original Hole
Composite Plug 12	14,226.0	14,228.0	4.89	12/20/2013	1/27/2014		Production, 18,205.0ftGRD	Original Hole
Composite Plug 13	13,926.0	13,928.0	4.89	12/20/2013	1/27/2014		Production, 18,205.0ftGRD	Original Hole
Composite Plug 14	13,626.0	13,628.0	4.89	12/21/2013	1/27/2014		Production, 18,205.0ftGRD	Original Hole
Composite Plug 15	13,326.0	13,328.0	4.89	12/21/2013	1/27/2014		Production, 18,205.0ftGRD	Original Hole
Composite Plug 16	13,026.0	13,028.0	4.89	12/22/2013	1/27/2014		Production, 18,205.0ftGRD	Original Hole
Composite Plug 17	12,726.0	12,728.0	4.89	12/22/2013	1/27/2014		Production, 18,205.0ftGRD	Original Hole
Composite Plug 18	12,426.0	12,428.0	4.89	12/23/2013	1/26/2014		Production, 18,205.0ftGRD	Original Hole
Composite Plug 19	12,126.0	12,128.0	4.89	12/27/2013	1/26/2014		Production, 18,205.0ftGRD	Original Hole
Composite Plug 20	11,826.0	11,828.0	4.89	12/27/2013	1/26/2014		Production, 18,205.0ftGRD	Original Hole
Composite Plug 21	11,526.0	11,528.0	4.89	12/28/2013	1/26/2014		Production, 18,205.0ftGRD	Original Hole
Composite Plug 22	11,226.0	11,228.0	4.89	12/28/2013	1/26/2014		Production, 18,205.0ftGRD	Original Hole
Composite Plug 23	10,926.0	10,928.0	4.89	12/29/2013	1/26/2014		Production, 18,205.0ftGRD	Original Hole
Composite Plug 24	10,626.0	10,628.0	4.89	12/29/2013	1/26/2014		Production, 18,205.0ftGRD	Original Hole
Composite Plug 25	10,326.0	10,328.0	4.89	12/30/2013	1/26/2014		Production, 18,205.0ftGRD	Original Hole
Composite Plug 26	10,026.0	10,028.0	4.89	12/30/2013	1/26/2014		Production, 18,205.0ftGRD	Original Hole
Composite Plug 27	9,726.0	9,728.0	4.89	12/31/2013	1/26/2014		Production, 18,205.0ftGRD	Original Hole
Composite Plug 28	9,426.0	9,428.0	4.89	1/1/2014	1/25/2014		Production, 18,205.0ftGRD	Original Hole
Composite Plug 29	9,126.0	9,128.0	4.89	1/1/2014	1/25/2014		Production, 18,205.0ftGRD	Original Hole
Composite Plug 30	8,826.0	8,828.0	4.89	1/2/2014	1/25/2014		Production, 18,205.0ftGRD	Original Hole
Composite Plug 31	8,526.0	8,528.0	4.89	1/2/2014	1/25/2014		Production, 18,205.0ftGRD	Original Hole
Composite Plug 32	7,930.0	7,932.0	4.89	1/3/2014	1/25/2014	Kill Plug	Production, 18,205.0ftGRD	Original Hole
Packer	7,228.0	7,235.0	4.6	1/30/2014		AS1X	Production, 18,205.0ftGRD	Original Hole
Well Tests								
Description					Volume Oil Total (bbl)		Volume Gas Total (MCF)	Volume Water Total (bbl)
BEFORE IP					4028.4		3,409.730	13894.1

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

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)
2/3/2014		0.000	150.0	140.0		350.0	182.000	1964.0
2/4/2014		0.000	150.0	140.0		574.0	196.000	1863.0
2/5/2014		0.000	160.0	140.0		398.0	194.000	1767.0
2/6/2014		0.000	170.0	140.0		428.0	217.000	1735.0
2/7/2014		0.000	160.0	140.0		448.0	229.000	1535.0
2/8/2014		0.000	160.0	120.0		447.3	236.730	1693.1
2/9/2014		0.000	160.0	120.0		469.0	250.000	1596.0
2/10/2014		28.000	160.0	100.0		473.1	1,656.000	248.0
2/11/2014		28.000	160.0	100.0		441.0	249.000	1493.0

Directional Survey

Date	Description					
8/26/2013	MAIN HOLE SURVEY					
Date	MD (ftGRD)	Incl (°)	Azm (°)	TVD (ftGRD)	Unwrap Displace (ft)	Survey Company
8/27/2013	80.00	0.93	183.82	80.00	0.82	
8/27/2013	172.00	0.98	176.90	171.98	2.35	
8/27/2013	264.00	1.26	190.32	263.97	4.14	
8/27/2013	356.00	1.06	192.35	355.95	6.00	
8/27/2013	448.00	1.12	196.96	447.93	7.75	
8/27/2013	540.00	1.19	203.24	539.91	9.60	
8/27/2013	632.00	0.88	203.91	631.90	11.26	
8/27/2013	724.00	0.67	204.83	723.89	12.50	
9/22/2013	750.00	0.47	190.35	749.89	12.76	Halliburton Energy Services
9/22/2013	840.00	2.41	259.48	839.86	14.81	
9/22/2013	931.00	4.05	261.88	930.71	19.94	
9/22/2013	1,021.00	4.99	261.15	1,020.43	27.03	
9/22/2013	1,112.00	4.17	270.79	1,111.14	34.27	
9/22/2013	1,202.00	2.92	318.45	1,200.98	39.38	
9/22/2013	1,305.00	2.92	347.93	1,303.85	44.46	
9/22/2013	1,401.00	2.80	330.95	1,399.74	49.19	
9/22/2013	1,495.00	3.02	301.29	1,493.62	53.81	
9/22/2013	1,590.00	3.62	276.08	1,588.47	59.18	
9/22/2013	1,684.00	2.82	267.43	1,682.32	64.44	
9/22/2013	1,778.00	1.75	281.10	1,776.24	68.16	
9/22/2013	1,873.00	0.52	15.23	1,871.23	69.65	
9/22/2013	1,967.00	0.93	66.09	1,965.22	70.73	
9/22/2013	2,061.00	1.28	79.66	2,059.20	72.53	
9/22/2013	2,156.00	0.99	108.10	2,154.18	74.36	
9/22/2013	2,249.00	0.70	163.11	2,247.17	75.58	
9/22/2013	2,344.00	1.28	179.53	2,342.16	77.21	
9/22/2013	2,438.00	1.78	178.33	2,436.13	79.71	
9/22/2013	2,533.00	1.05	159.76	2,531.10	82.03	
9/22/2013	2,627.00	0.84	148.14	2,625.08	83.57	
9/22/2013	2,721.00	0.99	151.93	2,719.07	85.07	
9/22/2013	2,816.00	1.22	156.00	2,814.06	86.91	
9/22/2013	2,911.00	0.92	159.79	2,909.04	88.68	
9/22/2013	3,005.00	0.99	139.42	3,003.03	90.22	
9/24/2013	3,099.00	0.65	130.04	3,097.02	91.56	
9/24/2013	3,193.00	0.77	150.97	3,191.01	92.71	
9/24/2013	3,288.00	0.85	105.46	3,286.00	93.95	
9/24/2013	3,383.00	0.50	107.33	3,380.99	95.06	
9/24/2013	3,478.00	0.83	95.97	3,475.99	96.16	
9/24/2013	3,572.00	0.81	103.06	3,569.98	97.51	
9/24/2013	3,667.00	0.70	102.61	3,664.97	98.76	
9/24/2013	3,761.00	0.74	82.98	3,758.96	99.92	
9/24/2013	3,855.00	0.78	99.36	3,852.95	101.16	
9/24/2013	3,948.00	0.62	347.59	3,945.95	101.80	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 2-6 1H

Date	MD (ftGRD)	Incl (°)	Azm (°)	TVD (ftGRD)	Unwrap Displace (ft)	Survey Company
9/24/2013	4,043.00	2.15	301.00	4,040.92	103.97	
9/24/2013	4,137.00	4.22	279.56	4,134.77	109.11	
9/24/2013	4,232.00	4.58	277.53	4,229.49	116.40	
9/25/2013	4,326.00	4.18	276.27	4,323.22	123.58	
9/25/2013	4,421.00	4.26	273.23	4,417.96	130.56	
9/25/2013	4,516.00	6.22	273.98	4,512.56	139.24	
9/25/2013	4,611.00	7.01	263.30	4,606.93	150.14	
9/25/2013	4,705.00	5.03	261.04	4,700.41	159.99	
9/25/2013	4,800.00	5.86	264.50	4,794.98	169.00	
9/25/2013	4,895.00	5.16	267.16	4,889.54	178.12	
9/25/2013	4,990.00	3.87	273.22	4,984.24	185.59	
9/25/2013	5,085.00	4.34	264.13	5,079.00	192.37	
9/25/2013	5,179.00	5.14	271.22	5,172.68	200.12	
9/25/2013	5,273.00	4.17	272.33	5,266.37	207.75	
9/25/2013	5,368.00	4.83	276.19	5,361.07	215.20	
9/25/2013	5,463.00	5.53	277.99	5,455.69	223.78	
9/27/2013	5,556.00	4.30	283.63	5,548.34	231.73	
9/27/2013	5,651.00	4.02	276.45	5,643.09	238.61	
9/27/2013	5,746.00	5.52	273.63	5,737.76	246.51	
9/27/2013	5,842.00	5.07	266.36	5,833.35	255.35	
9/27/2013	5,935.00	3.64	260.85	5,926.08	262.40	
9/27/2013	6,030.00	3.44	263.79	6,020.90	268.27	
9/27/2013	6,124.00	5.24	276.50	6,114.63	275.34	
9/27/2013	6,219.00	4.97	288.49	6,209.25	283.75	
9/27/2013	6,313.00	4.07	295.64	6,302.96	291.14	
9/27/2013	6,408.00	4.90	286.63	6,397.67	298.55	
9/27/2013	6,503.00	4.83	279.96	6,492.33	306.59	
9/27/2013	6,597.00	4.71	282.75	6,586.00	314.40	
9/27/2013	6,692.00	4.06	268.43	6,680.73	321.61	
9/27/2013	6,787.00	5.22	264.91	6,775.42	329.29	
9/27/2013	6,881.00	5.71	264.58	6,868.99	338.25	
9/27/2013	6,976.00	4.64	258.28	6,963.60	346.80	
9/27/2013	7,070.00	5.01	253.09	7,057.27	354.70	
9/27/2013	7,101.00	5.01	253.09	7,088.15	357.41	
9/27/2013	7,168.00	4.71	256.59	7,154.91	363.08	
9/27/2013	7,262.00	4.66	254.43	7,248.59	370.76	
10/2/2013	7,393.00	5.18	285.38	7,379.13	381.59	
10/2/2013	7,488.00	4.76	328.79	7,473.81	389.24	
10/2/2013	7,583.00	7.28	0.59	7,568.30	398.84	
10/2/2013	7,646.00	8.70	358.69	7,630.69	407.59	
10/2/2013	7,677.00	9.71	358.52	7,661.29	412.55	
10/2/2013	7,709.00	9.83	354.65	7,692.83	417.98	
10/2/2013	7,741.00	13.17	348.58	7,724.18	424.35	
10/2/2013	7,772.00	15.08	347.30	7,754.24	431.92	
10/2/2013	7,804.00	19.47	344.65	7,784.79	441.41	
10/2/2013	7,835.00	23.72	346.21	7,813.61	452.82	
10/2/2013	7,867.00	25.95	349.97	7,842.65	466.25	
10/2/2013	7,898.00	27.65	356.39	7,870.32	480.21	
10/3/2013	7,930.00	30.04	358.09	7,898.35	495.65	
10/3/2013	7,962.00	31.65	358.38	7,925.83	512.05	
10/3/2013	7,993.00	32.54	358.46	7,952.09	528.52	
10/3/2013	8,025.00	34.35	358.63	7,978.79	546.16	
10/3/2013	8,056.00	34.23	357.88	8,004.40	563.62	
10/3/2013	8,088.00	35.83	356.99	8,030.60	581.99	
10/3/2013	8,119.00	37.11	356.69	8,055.53	600.42	
10/3/2013	8,150.00	39.48	358.29	8,079.86	619.62	

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10/3/2013	8,181.00	42.70	1.68	8,103.22	639.99	
10/3/2013	8,212.00	46.48	3.73	8,125.30	661.75	
10/3/2013	8,244.00	49.00	4.14	8,146.82	685.43	
10/3/2013	8,275.00	51.10	2.18	8,166.72	709.19	
10/3/2013	8,307.00	53.62	358.22	8,186.27	734.52	
10/3/2013	8,338.00	57.57	357.00	8,203.78	760.09	
10/3/2013	8,369.00	62.03	356.72	8,219.37	786.88	
10/4/2013	8,401.00	66.78	357.53	8,233.19	815.73	
10/4/2013	8,432.00	70.79	358.55	8,244.41	844.62	
10/4/2013	8,464.00	75.29	0.11	8,253.74	875.22	
10/4/2013	8,495.00	80.17	1.35	8,260.33	905.50	
10/4/2013	8,527.00	84.94	2.59	8,264.47	937.22	
10/4/2013	8,621.00	89.20	3.06	8,269.27	1,031.08	
10/4/2013	8,714.00	89.57	1.31	8,270.27	1,124.07	
10/4/2013	8,809.00	88.40	0.08	8,271.96	1,219.05	
10/4/2013	8,903.00	87.44	359.79	8,275.37	1,312.99	
10/4/2013	8,998.00	88.80	0.27	8,278.48	1,407.93	
10/4/2013	9,093.00	91.42	2.10	8,278.30	1,502.92	
10/4/2013	9,188.00	91.30	2.54	8,276.05	1,597.89	
10/4/2013	9,283.00	91.05	2.40	8,274.10	1,692.87	
10/4/2013	9,377.00	90.28	2.19	8,273.01	1,786.87	
10/4/2013	9,472.00	89.60	1.79	8,273.11	1,881.86	
10/4/2013	9,566.00	88.43	1.44	8,274.72	1,975.85	
10/4/2013	9,661.00	90.40	1.79	8,275.69	2,070.84	
10/4/2013	9,755.00	89.78	1.71	8,275.55	2,164.84	
10/4/2013	9,850.00	89.01	1.60	8,276.55	2,259.83	
10/4/2013	9,945.00	90.31	1.63	8,277.11	2,354.83	
10/4/2013	10,039.00	89.51	0.74	8,277.26	2,448.83	
10/4/2013	10,134.00	88.89	1.18	8,278.59	2,543.82	
10/4/2013	10,228.00	92.56	3.79	8,277.40	2,637.78	
10/4/2013	10,322.00	93.24	4.06	8,272.64	2,731.66	
10/5/2013	10,417.00	93.21	4.00	8,267.30	2,826.51	
10/5/2013	10,511.00	92.16	3.81	8,262.89	2,920.41	
10/5/2013	10,606.00	89.85	2.80	8,261.23	3,015.39	
10/5/2013	10,700.00	89.51	1.49	8,261.75	3,109.38	
10/5/2013	10,795.00	87.53	3.58	8,264.21	3,204.34	
10/5/2013	10,889.00	86.05	3.57	8,269.47	3,298.19	
10/5/2013	10,984.00	87.23	358.26	8,275.04	3,392.99	
10/5/2013	11,079.00	89.75	359.66	8,277.54	3,487.95	
10/5/2013	11,174.00	89.91	1.10	8,277.83	3,582.95	
10/5/2013	11,268.00	90.37	0.18	8,277.60	3,676.94	
10/5/2013	11,363.00	90.03	0.55	8,277.27	3,771.94	
10/5/2013	11,458.00	89.88	0.86	8,277.34	3,866.94	
10/5/2013	11,552.00	88.34	359.34	8,278.80	3,960.93	
10/5/2013	11,646.00	90.74	1.02	8,279.55	4,054.91	
10/5/2013	11,741.00	90.68	1.02	8,278.38	4,149.91	
10/5/2013	11,836.00	90.06	1.24	8,277.76	4,244.90	
10/5/2013	11,931.00	89.11	0.95	8,278.45	4,339.90	
10/5/2013	12,025.00	87.72	0.78	8,281.05	4,433.86	
10/5/2013	12,120.00	86.73	0.37	8,285.65	4,528.75	
10/5/2013	12,215.00	88.46	1.34	8,289.64	4,623.66	
10/5/2013	12,309.00	91.11	3.08	8,289.99	4,717.65	
10/5/2013	12,404.00	90.37	1.83	8,288.76	4,812.64	
10/5/2013	12,499.00	89.91	1.37	8,288.53	4,907.64	
10/5/2013	12,593.00	89.51	1.47	8,289.01	5,001.64	
10/5/2013	12,688.00	87.84	2.17	8,291.20	5,096.61	

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Date	MD (ftGRD)	Incl (°)	Azm (°)	TVD (ftGRD)	Unwrap Displace (ft)	Survey Company
10/6/2013	12,688.00	87.84	2.17	8,291.20	5,096.61	
10/6/2013	12,782.00	87.26	2.30	8,295.22	5,190.52	
10/6/2013	12,877.00	88.95	2.72	8,298.36	5,285.46	
10/6/2013	12,972.00	90.71	1.59	8,298.65	5,380.46	
10/6/2013	13,076.00	91.98	1.25	8,296.20	5,484.43	
10/6/2013	13,161.00	91.72	1.18	8,293.46	5,569.38	
10/6/2013	13,256.00	91.29	0.95	8,290.97	5,664.35	
10/6/2013	13,351.00	90.68	0.48	8,289.33	5,759.33	
10/6/2013	13,445.00	89.12	0.66	8,289.50	5,853.33	
10/6/2013	13,540.00	89.72	2.37	8,290.46	5,948.32	
10/6/2013	13,635.00	88.06	2.08	8,292.30	6,043.30	
10/6/2013	13,730.00	86.17	1.13	8,297.08	6,138.18	
10/6/2013	13,824.00	87.57	2.12	8,302.21	6,232.03	
10/6/2013	13,919.00	89.65	2.95	8,304.52	6,327.00	
10/6/2013	14,014.00	92.03	2.19	8,303.12	6,421.98	
10/6/2013	14,109.00	91.70	2.09	8,300.03	6,516.93	
10/6/2013	14,203.00	91.79	2.12	8,297.17	6,610.89	
10/6/2013	14,298.00	91.54	1.82	8,294.41	6,705.85	
10/6/2013	14,391.00	90.22	1.67	8,292.98	6,798.83	
10/6/2013	14,485.00	90.62	2.00	8,292.29	6,892.83	
10/6/2013	14,579.00	88.83	2.52	8,292.74	6,986.82	
10/7/2013	14,673.00	89.51	1.37	8,294.10	7,080.81	
10/7/2013	14,767.00	89.35	359.56	8,295.04	7,174.80	
10/7/2013	14,861.00	88.55	359.16	8,296.76	7,268.79	
10/7/2013	15,049.00	87.22	358.79	8,303.70	7,456.66	
10/7/2013	15,143.00	89.29	359.36	8,306.56	7,550.61	
10/7/2013	15,238.00	89.11	359.61	8,307.89	7,645.60	
10/7/2013	15,332.00	88.18	359.49	8,310.11	7,739.57	
10/7/2013	15,426.00	89.48	358.45	8,312.03	7,833.55	
10/11/2013	15,520.00	89.45	357.64	8,312.91	7,927.54	
10/11/2013	15,613.00	87.45	357.85	8,315.42	8,020.50	
10/11/2013	15,707.00	83.41	358.38	8,322.91	8,114.18	
10/11/2013	15,801.00	80.24	357.32	8,336.28	8,207.22	Halliburton Energy Services
10/11/2013	15,898.00	82.97	356.27	8,350.44	8,303.17	Halliburton Energy Services
10/11/2013	15,992.00	85.25	358.03	8,360.09	8,396.66	Halliburton Energy Services
10/11/2013	16,086.00	86.40	359.43	8,366.93	8,490.41	Halliburton Energy Services
10/11/2013	16,181.00	85.96	358.91	8,373.26	8,585.19	Halliburton Energy Services
10/14/2013	16,275.00	86.74	358.38	8,379.24	8,679.00	Halliburton Energy Services
10/14/2013	16,369.00	88.94	357.15	8,382.78	8,772.93	Halliburton Energy Services
10/14/2013	16,464.00	91.67	358.03	8,382.28	8,867.92	Halliburton Energy Services
10/14/2013	16,558.00	92.99	358.38	8,378.46	8,961.84	Halliburton Energy Services
10/14/2013	16,652.00	95.01	0.31	8,371.90	9,055.60	Halliburton Energy Services
10/14/2013	16,746.00	95.18	0.31	8,363.55	9,149.23	Halliburton Energy Services
10/14/2013	16,840.00	96.06	1.02	8,354.35	9,242.77	Halliburton Energy Services
10/14/2013	16,934.00	95.80	1.72	8,344.64	9,336.27	Halliburton Energy Services
10/14/2013	17,028.00	95.01	1.37	8,335.78	9,429.85	Halliburton Energy Services
10/14/2013	17,122.00	92.64	3.65	8,329.51	9,523.63	Halliburton Energy Services
10/14/2013	17,217.00	92.64	3.13	8,325.13	9,618.53	Halliburton Energy Services
10/15/2013	17,311.00	91.93	5.76	8,321.39	9,712.44	Halliburton Energy Services
10/15/2013	17,405.00	93.34	5.76	8,317.06	9,806.34	Halliburton Energy Services
10/15/2013	17,499.00	93.87	5.23	8,311.15	9,900.16	Halliburton Energy Services
10/15/2013	17,594.00	91.67	4.71	8,306.56	9,995.04	Halliburton Energy Services
10/15/2013	17,688.00	90.26	3.30	8,304.98	10,089.02	Halliburton Energy Services
10/15/2013	17,782.00	89.12	1.72	8,305.49	10,183.02	Halliburton Energy Services
10/15/2013	17,876.00	88.77	0.84	8,307.22	10,277.00	Halliburton Energy Services
10/15/2013	17,970.00	88.68	0.14	8,309.31	10,370.97	Halliburton Energy Services

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Date	MD (ftGRD)	Incl (°)	Azm (°)	TVD (ftGRD)	Unwrap Displace (ft)	Survey Company
10/15/2013	18,064.00	88.77	359.43	8,311.40	10,464.95	Halliburton Energy Services
10/15/2013	18,158.00	88.42	358.73	8,313.71	10,558.92	Halliburton Energy Services
10/15/2013	18,208.00	88.42	358.73	8,315.09	10,608.90	Halliburton Energy Services