

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

UNIVERSITY 7-43 38H

API/UWI 42-003-47346-0000	Property Sub 927638-038	Operator PIONEER NATURAL RESRC USA, INC	State TEXAS	County ANDREWS
Field Name SPRABERRY (TREND AREA)	Surface Legal Location 442' FNL/ 1239' FWL, SEC: 38, BLK: 7, UNIVERSITY LAND			
Spud Date 4/23/2016	TD Date 6/6/2016	Drilling Rig Release Date 6/9/2016	Frac Date	On Production Date
Ground Elevation (ft) 2,955.00	Original KB Elevation (ft) 2,984.00	PBTD (All) (ftKB)	Total Depth (All) (ftKB) ORIGINAL - 19,795.0	Total Depth All (TVD) (ftKB) ORIGINAL - 9,380.5

Report #: 1 Daily Operation: 4/23/2016 02:00 - 4/23/2016 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 038152
Days From Spud (days) 0	Days on Location (days) 0	End Depth (ftKB) 0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PATTERSON - UTI, 802

Operations Summary

Walk rig t/38H, RU & prep to spud.

Remarks

NPT for April :

Patterson: Past 24 hr - 0, Total - 0

3rd Party: Past 24 hr - 0, Total - 0

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/23/2016 02:00	4/23/2016 04:30	2.5		MOVE	MOVE	PJSM w/crew, perform walk around and walk rig from #37H Note: Accepted rig @04:30
4/23/2016 04:30	4/23/2016 06:00	1.5		RIG UP	RU	Install vibrating hose & test lines to 1500 psi, R/U cellar pumps & cellar covers, Function test cellar pumps t/correct pump out put

Report #: 2 Daily Operation: 4/23/2016 06:00 - 4/24/2016 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 038152
Days From Spud (days) 1	Days on Location (days) 1	End Depth (ftKB) 2,010.0
End Depth (TVD) (ftKB) 2,009.9	Dens Last Mud (lb/gal) 8.40	Rig PATTERSON - UTI, 802

Operations Summary

MU BHA, TD surface, Circ, TOO, LD directional tools

Remarks

NPT for April :

Patterson: Past 24 hr - 0, Total - 0

3rd Party: Past 24 hr - 0, Total - 0

Spudded @ 06:45 hrs 04/23/16. Drid Sfc 126' to 2010' (1884' @ 118 fph); 100% complete @ 00:30 hrs 04/24/16, 100% rot, 9' right and 7.9' high in relation to plan #2. Bump to spud in 6 hrs (0.3 day)

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/23/2016 06:00	4/23/2016 06:15	0.25		SAFETY	SFTY	PJSM w/ Patt, Leam & PNR - BHA handling
4/23/2016 06:15	4/23/2016 06:45	0.5		P/U BHA	PU_BHA	Scribe MM, program & test EM tool, tag @ 128'
4/23/2016 06:45	4/23/2016 12:45	6		DRILL	DRL	Drill sfc F/126' T/731' (605' @ 101 fph) 100% Rot @ 101 fph MW: 8.3+/58, taking returns to cellar & circ outer reserve. Adding lime @ 5 sx/hr to maintain min pH of 12 to help w/ redbed ** Offline Operations on 37H ** -Fit, weld & test wellhead -Tested surface casing to 1000 psi for 30 mins
4/23/2016 12:45	4/23/2016 13:00	0.25		CIRCULATE	CIRC	Circ 1xBU & prep to TOO to PU 8" DC
4/23/2016 13:00	4/23/2016 13:30	0.5		TOOH - ELEVATOR	TOOH_E LEV	TOOH to BHA, no excessive overpull
4/23/2016 13:30	4/23/2016 14:00	0.5		PLANNED RIG SERVICE	RIG_SVC	Rig service
4/23/2016 14:00	4/23/2016 14:45	0.75		TIH - ELEVATOR	TIH_ELE V	TIH w/ 2 stds of 8" DC's from derrick & TIH t/726', with no issues

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Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/23/2016 14:45	4/24/2016 00:30	9.75		DRILL	DRL	Drill F/731' T/2010' (1279' @ 131 fph) 100% complete. 100% Rot @ 131 fph, taking returns to cellar & circ outer reserve. 0% Sldg @ - fph MW: 8.3+/58, full returns.
4/24/2016 00:30	4/24/2016 02:00	1.5		CIRCULATE	CIRC	CTCH and pump 2-50 bbls hi vis sweeps to clean hole & spot 350 bbls of weighted hi-vis pill @ 9.5ppg, 80+ vis
4/24/2016 02:00	4/24/2016 03:15	1.25		TOOH - ELEVATOR	TOOH_E LEV	PJSM w/Patterson & TOOH on elevators f/2010 t/1126', w/no issues, hole taking proper fill, work tight spot @ 1298' . Able to get passed w/o screwing into it, worked spot multiple times . Note: Had excessive over pull of 75k @1126'
4/24/2016 03:15	4/24/2016 03:45	0.5		TOOH - NON-ELEVATOR	TOOH_N ONELEV	Wash & Ream f/1126' t/990', made several passes with pumps on and after seeing no drag or torque turned off mud pumps and worked through spot multiple times with no issues.
4/24/2016 03:45	4/24/2016 04:15	0.5		TOOH - ELEVATOR	TOOH_E LEV	TOOH f/990' t/94', with no excessive over pull and hole taking proper fill.
4/24/2016 04:15	4/24/2016 04:30	0.25		SAFETY	SFTY	PJSM w/Patterson & Leam on Handling direcional BHA.
4/24/2016 04:30	4/24/2016 06:00	1.5		L/D BHA	L/D BHA	L/D 17" Stabilizer, drain motor break bit and L/D same, Make up new Motor & 12.25" bit and rack back in derrick. ** Bit Grade: 0-1-SH-A-X-0-NO-TD

Report #: 3 Daily Operation: 4/24/2016 06:00 - 4/25/2016 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 038152
Days From Spud (days) 2	Days on Location (days) 2	End Depth (ftKB) 2,010.0	End Depth (TVD) (ftKB) 2,009.9	Dens Last Mud (lb/gal) 8.40	Rig PATTERSON - UTI, 802	

Operations Summary

Run sfc csg, cmt per prog, install wellhead & test, N/U bops & test.

Remarks

NPT for April :

Patterson: Past 24 hr - 0, Total - 0

3rd Party: Past 24 hr - 0, Total - 0

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/24/2016 06:00	4/24/2016 06:15	0.25		SAFETY	SFTY	Straighten up rig floor F/trip & prep to RU & run csg
4/24/2016 06:15	4/24/2016 06:30	0.25		SAFETY	SFTY	PJSM w/ Patt, Franks & PNR over RU casing tools
4/24/2016 06:30	4/24/2016 07:00	0.5		RIG UP	RU	RU csg tools, visually inspected & tested
4/24/2016 07:00	4/24/2016 07:15	0.25		SAFETY	SFTY	PJSM w/ Patt, Franks & PNR over running casing
4/24/2016 07:15	4/24/2016 07:45	0.5		RUN CSG W/O WASH	CSG_W/ OWASH	PU & MU 1 jt shoe track. Thread locking all connections including top of FC PU single csg jt to test floats - Good, PU & RU CRT
4/24/2016 07:45	4/24/2016 13:00	5.25		RUN CSG W/O WASH	CSG_W/ OWASH	Run 13 3/8" casing T/1973', with no issues, taking returns to the cellar. MU to diamond, avg tq 4900-5100 ftlb
4/24/2016 13:00	4/24/2016 15:30	2.5		RUN CSG WITH WASH	CSG_W WASH	Attempt to wash down w/ 250-420 GPM, able to work csg up w/o issues, but lost ground everytime we went back to bottom. Wash & ream 1973'-1977' @ 400-545 gpm, 10 rpm, max tq 3.5k. Weight fell off @ 1977' & was able to wash to bottom w/o rotation. Top of FC @ 1967' Top of Shoe @ 2008'
4/24/2016 15:30	4/24/2016 16:00	0.5		CIRCULATE	CIRC	Circ thru CRT @ 6.5 bpm while RD csg tools. Max press 220 psi, RD CRT
4/24/2016 16:00	4/24/2016 16:15	0.25		SAFETY	SFTY	PJSM w/ Patt, SLB & PNR over cmt ops
4/24/2016 16:15	4/24/2016 16:45	0.5		RIG DOWN	RD	RU SLB lines & cmt head

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Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/24/2016 16:45	4/24/2016 20:00	3.25		CEMENT	CMT	Test lines to 3500 psi. Pump 40 bbl, 8.53 ppg FW spacer, Cmted w/ 395 bbl lead, (1255 sx, 13 ppg, 1.66) 112 bbl tail, (460 sx, 13.6 ppg, 1.66) Full returns Est lift press 491 psi, displace w/304 bbl of FW Bumped plug w/630 psi, held 540 psi over Bled back 2 bbl. Circ 155 bbl cmt to surface.
4/24/2016 20:00	4/24/2016 20:30	0.5		RIG DOWN	RD	Wash lines & center csg, RD SLB
4/24/2016 20:30	4/24/2016 22:30	2		CEMENT	CMT	Waiting on sfc samples to harden until making rough cut, Note: while waiting on cement, tested choke manifold & r/u panic lines, drive over's and flair stack
4/24/2016 22:30	4/25/2016 00:30	2		WELLHEAD	WH	Cut off Casing W/ArcAngel Welding, Install Seaboard SMB-22 13 3/8" x 13 5/8" 5K wellhead and weld on same. Test weld to 565 psi (successful test)
4/25/2016 00:30	4/25/2016 05:30	5		N/U BOPE	NU_BOP E	PJSM w/Patterson, Edge & ArcAngel welding, install spacer spool and N/U BOP's, choke and kill line & torque same, function test BOP's r/u turn buckels, cut off flange on flowline & weld on new flange to match up to new Orbit valve.
4/25/2016 05:30	4/25/2016 06:00	0.5		TEST BOPE	TEST_B OPE	PJSM w/Edge & Patterson & test top drive manual IBOP, hydraulic IBOP, 4" valve on standpipe, 4" valve on mud pumps & floor valves.

Report #: 4 Daily Operation: 4/25/2016 06:00 - 4/26/2016 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 038152
Days From Spud (days) 3	Days on Location (days) 3	End Depth (ftKB) 3,134.0	End Depth (TVD) (ftKB) 3,133.2	Dens Last Mud (lb/gal) 9.80	Rig PATTERSON - UTI, 802	

Operations Summary

Test BOP's, P/U & scribe motor, TIH, drill out float equipment, drill intermediate section t/3134

Remarks

NPT for April :

Patterson: Past 24 hr - 0, Total - 0

3rd Party: Past 24 hr - 0, Total - 0

Started Int @ 20:00 hrs 4/25/16. Drld Int 2010' to 3134' (1124' @ 141 fph); 28% complete, 91% rot, 9% sldg. 7.8' right and 3' high in relation to plan #2. MW-10

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/25/2016 06:00	4/25/2016 09:00	3		TEST BOPE	TEST_B OPE	Test BOPE: HCR valve, top, bottom & blind rams, kill line 250/5000 - 5 min. Test hydril 250/3,500 for 5 min. Test mud lines back to pumps 250/5000 - 5 min. Good Test. ***Choke manifold & floor valves tested offline*** ***Safe Work Permits: Confined space permit in place***
4/25/2016 09:00	4/25/2016 09:30	0.5		CSG TEST	CSG_TE ST	Test casing w/ testers to 1000 psi for 30 mins, good test
4/25/2016 09:30	4/25/2016 10:30	1		WELLHEAD	WH	Caliper & install wear bushing, PNR verify
4/25/2016 10:30	4/25/2016 17:15	6.75		RIG UP	RU	NU new Pruitt orbit valve & verify operational, flange on flowline side of orbit valve req'd to be welded on-site, RU flowline, airlines, turnbuckles on BOP, center stack w/ PNR verify, hole & csg fill & drain line
4/25/2016 17:15	4/25/2016 17:30	0.25		SAFETY	SFTY	PJSM - PU directional BHA
4/25/2016 17:30	4/25/2016 18:30	1		P/U BHA	PU_BHA	PU std & scribe MM, swap MWD batteries & program & test same. PU & MU 1 std 8" DC & jars.
4/25/2016 18:30	4/25/2016 20:30	2		TIH - ELEVATOR	TIH_ELE V	TIH f/91' t/1944', w/ no issues ND trip nipple & NU rotating head
4/25/2016 20:30	4/25/2016 21:00	0.5		PLANNED RIG SERVICE	RIG_SVC	Rlg service
4/25/2016 21:00	4/25/2016 22:00	1		DRILL OUT	DRL_OUT	TIH f/1944' t/1963' w/no issues & tag cement @1963' & drill out FC @1966', w/10 WOB, 30 RPM, 450 GPM, 2-5TQ, 155 DIFF.

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Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/25/2016 22:00	4/26/2016 02:15	4.25		DRILL	DRL	Rotate from 2010' to 2611' (601' @ 141 fph) WOB:20, DIFF:565, RPM:80, MMRPM:218, GPM:750, SPP:2655, TQ:7, Full Returns.
4/26/2016 02:15	4/26/2016 02:30	0.25		DRILL	DRL	Slide from 2611' to 2636' (25' @ 100 fph) MTF:50°, WOB:20, DIFF: 250, MMRPM:218, GPM:750, SPP:1980, Full Returns.
4/26/2016 02:30	4/26/2016 03:30	1		DRILL	DRL	Rotate from 2636' to 2800' (164' @ 164 fph) WOB:30, DIFF:560, RPM:80, MMRPM:218, GPM:750, SPP:2650, TQ:10, Full Returns.
4/26/2016 03:30	4/26/2016 04:00	0.5		DRILL	DRL	Slide from 2800' to 2820' (20' @ 40 fph) MTF:30°, WOB:20, DIFF: 250, MMRPM:218, GPM:750, SPP:1980, Full Returns.
4/26/2016 04:00	4/26/2016 06:00	2		DRILL	DRL	Rotate from 2820' to 3134' (314' @ 157 fph) WOB:30, DIFF:560, RPM:80, MMRPM:218, GPM:750, SPP:2680, TQ:10, Full Returns.

Report #: 5 Daily Operation: 4/26/2016 06:00 - 4/27/2016 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 038152
Days From Spud (days) 4	Days on Location (days) 4	End Depth (ftKB) 5,134.0	End Depth (TVD) (ftKB) 5,096.0	Dens Last Mud (lb/gal) 10.10	Rig PATTERSON - UTI, 802	

Operations Summary

Drilled intermediate to 5134', 78% complete

Remarks

NPT for April :

Patterson: Past 24 hr - 0, Total - 0

3rd Party: Past 24 hr - 0, Total - 0

Drld Int 3134' to 5134' (2000' @ 85 fph); 78% complete, 90% rot, 10% sldg. 5.9' left and 21' high in relation to plan #3. MW-8.2+ w/ 49 vis. Gamma-N/A°, CBHT-115°F, 90% sand, 10% shale.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/26/2016 06:00	4/26/2016 15:30	9.5		DRILL	DRL	Drill int F/3134' T/4008' (874' @ 92 fph) 50% complete. 79% Rot @ 103 fph 21% Sldg @ 44 fph MW: 10/29, full returns. Pumping 30 bbl hi-vis SW polymer sweeps every connection
4/26/2016 15:30	4/26/2016 16:00	0.5		PLANNED RIG SERVICE	RIG_SVC	Rig service
4/26/2016 16:00	4/27/2016 06:00	14		DRILL	DRL	Drill int F/4008' T/5134' (1126' @ 80 fph) 78% complete. 100% Rot @ 80 fph 0% Sldg @ - fph MW: 10.1/29, full returns. Pumping 30 bbl hi-vis SW polymer sweeps every connection

Report #: 6 Daily Operation: 4/27/2016 06:00 - 4/28/2016 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 038152
Days From Spud (days) 5	Days on Location (days) 5	End Depth (ftKB) 6,040.0	End Depth (TVD) (ftKB) 5,988.4	Dens Last Mud (lb/gal) 10.50	Rig PATTERSON - UTI, 802	

Operations Summary

Drill Int. to 6,040' TD, Cir, TOO, WB, RU & RIH w/ 9-5/8' Csg

Remarks

NPT for April :

Patterson: Past 24 hr - 0, Total - 0

3rd Party: Past 24 hr - 1.25, Total - 1.25

SURVEY @ MD: 5985' INC 8.9° AZM 60.5 TVD 5934.03' N/S 300.93' E/W 467.91' DLS 0.27° VS -119.05' TEMP 126.5 GAMMA NA @ SURVEY: 22' AHEAD / 9' Left

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/27/2016 06:00	4/27/2016 13:15	7.25		DRILL	DRL	Drill int F/5134' T/5657' (523' @ 72 fph) 91% complete. 100% Rot @ 72 fph MW: 10.2/29, full returns. Pump 30 bbl hi-vis SW polymer sweeps every std. ** 2 gens on-line. **

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Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/27/2016 13:15	4/27/2016 14:30	1.25		WELL CONTROL	WELL_CTRL	H2S alarms go off @ the shakers 23 ppm, shut well in, line up to gas buster, circ thru choke till 3rd party gave ok. Max SIDPP 80 psi **All crew mustered up in 1 min 23 sec**
4/27/2016 14:30	4/27/2016 16:45	2.25		DRILL	DRL	Drill int F/5657' T/5789' (132' @ 59 fph) 95% complete. 100% Rot @ 59 fph MW: 10.4+/29, full returns. Pump 30 bbl hi-vis SW polymer sweeps every std. **Shephard Safety rep onsite**
4/27/2016 16:45	4/27/2016 17:15	0.5		PLANNED RIG SERVICE	RIG_SVC	Rig service
4/27/2016 17:15	4/27/2016 20:00	2.75		DRILL	DRL	Drill int F/5789' T/6040' (251' @ 91 fph) 100% complete. 100% Rot @ 91 fph MW: 10.5/29, full returns.
4/27/2016 20:00	4/27/2016 21:30	1.5		CIRCULATE	CIRC	Circ 2 - 50 bbl hi-vis SW polymer sweeps w/ nut plug marker. w/754 GPM's, 80 RPM's, reciprocate @50'/min. Continue CTCH until shakers clean.
4/27/2016 21:30	4/27/2016 21:45	0.25		FLOW CHECK	FLOW_CHK	Flow check f/15 mins, well static.
4/27/2016 21:45	4/27/2016 22:00	0.25		TOOH - ELEVATOR	TOOH_ELEV	Pull 10 stds wet f/6040' t/5004' no issue with overpull & hole taking proper fill
4/27/2016 22:00	4/27/2016 22:30	0.5		FLOW CHECK	FLOW_CHK	Flow check well static, pump slug
4/27/2016 22:30	4/28/2016 01:00	2.5		TOOH - ELEVATOR	TOOH_ELEV	TOOH f/5004' t/94', No issues with overpull, well taking proper fill. ** Flow chk @ 3,500' - well static.
4/28/2016 01:00	4/28/2016 01:15	0.25		SAFETY	SFTY	PJSM over BHA powering off EM tool.
4/28/2016 01:15	4/28/2016 01:30	0.25		L/D BHA	L/D BHA	Drain & power off EM Tool & rack back BHA.
4/28/2016 01:30	4/28/2016 02:00	0.5		WELLHEAD	WH	PU single jt DP w/ wear bushing retrieval tool already MU, remove lock down pins & pull wear bushing. Remove all tools off floor, straighten up & prep floor to RU csg tools. **Confined Space Permit in Place
4/28/2016 02:00	4/28/2016 02:15	0.25		SAFETY	SFTY	PJSM w/ Patt, PNR, Franks over RU & running casing
4/28/2016 02:15	4/28/2016 03:30	1.25		RIG UP	RU	RU casing tools & equipment
4/28/2016 03:30	4/28/2016 06:00	2.5		RUN CSG W/O WASH	CSG_W/O WASH	Note: All csg components are 9 5/8" L-80 BTC, L-80 PU & MU 2 jt shoe track - Single valve down jet float shoe - 2 jts of csg - Float collar Thread locking all connections including top of FC PU single csg jt to test floats - Good. MU Frank's CRT. ** Avg ID of 10 jts - 8.9063" ** Casing Collars OD - 10.6875" ** Casing Elevators ID - 9.875" ** Cross thread Shoe while attempting to MU, L/D shoe w/ jt of Csg. PU & MU new shoe - OK. ** ** 2 gens online - 24 hrs. **

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Report #: 7 Daily Operation: 4/28/2016 06:00 - 4/29/2016 00:00

Job Category ORIG DRILLING			Primary Job Type ODR		AFE Number 038152
Days From Spud (days) 6	Days on Location (days) 6	End Depth (ftKB) 6,040.0	End Depth (TVD) (ftKB) 5,988.4	Dens Last Mud (lb/gal) 10.50	Rig PATTERSON - UTI, 802

Operations Summary
RIH w/ 9-5/8" Csg, Cir, Cmt

Remarks
NPT for April :
Patterson: Past 24 hr - 0, Total - 0
3rd Party: Past 24 hr - 0, Total - 1.25

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/28/2016 06:00	4/28/2016 06:15	0.25		SAFETY	SFTY	PJSM with Patt rig crew, Frank's Csg crew & PNR VM over running 9-5/8" Csg. Tour Change. ** 2 Gens on-line **
4/28/2016 06:15	4/28/2016 11:00	4.75		RUN CSG W/O WASH	CSG_W/OWASH	Note: All csg components are 9 5/8" L-80 BTC, L-80: RIH w/ csg F/141' to 5,986' Avg. M/U tq to base of triangle 8,000 ft/lbs. Fill csg every 20 - 30 jts. Brk Cir @ ~ 4,500 (San Andres). Monitoring returns to pits, hole displacing properly.
4/28/2016 11:00	4/28/2016 11:15	0.25		SAFETY	SFTY	PJSM w/ Patt rig crew, Seaboard wellhead rep & PNR rep over PU/MU hanger & landing. Assure lock down pins are backed out.
4/28/2016 11:15	4/28/2016 12:15	1		RUN CSG WITH WASH	CSG_W WASH	PU & MU hanger and landing joint, CBU @ 6 bpm, 300 spp thru choke due to well flowing. (0 Csg psi) land casing in wellhead w/o issues, SO-135k, w/ Seaboard & PNR Rep on rig floor. - Float Collar - 5,923' - Shoe Depth: 6,022'
4/28/2016 12:15	4/28/2016 14:00	1.75		CIRCULATE	CIRC	Circulate casing @ 6-8 bbl/min 295 psi, max gas - 10 (0 Csg psi). thru choke, last 150 bbls, pump 10.5 FW gel mud for spacer between brine & cement. ** Well still flowing, shut bag in (450 psi) . Salt water flow (0 Csg psi).
4/28/2016 14:00	4/28/2016 14:30	0.5		PLANNED RIG SERVICE	RIG_SVC	Service rig. Grease TD/Blocks, inspect pinns TD (OK). RD Casing equipment. ** Continue monitoring Csg psi - 0 psi ** ** 1 gen on-line @ 14:00 **
4/28/2016 14:30	4/28/2016 14:45	0.25		SAFETY	SFTY	PJSM w/ Patt, SLB & PNR - RU cementing iron & head. ** Continue monitoring Csg psi - 0 psi **
4/28/2016 14:45	4/28/2016 15:00	0.25		RIG UP	RU	RU SLB lines to cmt head, load non-rotatable bottom plug cmt head w/ tattle tail, CM verified. ** Continue monitoring Csg psi - 0 psi **
4/28/2016 15:00	4/28/2016 15:30	0.5		SAFETY	SFTY	PJSM w/ SLB Cementers, Patt rig crew, Mud Eng, Vac truck drivers over cementing 9-5/8" Intermediate Csg. Discussed vac truck roles w/ OBM transfer & assigned positions. ** Continue monitoring Csg psi - 0 psi **

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Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/28/2016 15:30	4/28/2016 19:30	4		CEMENT	CMT	<p>Pump cement as follows:</p> <p>Pump 20 bbls to flush lines to reserve;</p> <p>PSI test to 3,500 psi;</p> <p>Pump 70 bbls visc water @ 8.3 ppg; Pump 70 bbls MPE @ 11 ppg; Pump 287 bbls (629 sks) Lead cement mixed @ 11.5 ppg, Yield 2.56 ft³/sk; Pump 76 bbls (321 sks) Tail Cement mixed @ 14.8 ppg Yield 1.33 ft³/sk.</p> <p>Dropped Top Plug @ 16:55 hrs, 4/28/2016, PNR Rep witnessed.</p> <p>Displace with 449 bbls 8.4 ppg OBM.</p> <p>Lift pressures on displacement: 50 bbl, 6.9 bpm, 217 psi., 100 bbl, 6.8 bpm, 206 psi., 150 bbl, 7.9 bpm, 270 psi., 200 bbl, 7.4 bpm, 331 psi., 250 bbl, 6.6 bpm, 392 psi., 300 bbl, 6.6 bpm, 503 psi. 350 bbl, 6.6 bpm, 678 psi., 400 bbl, 6.5 bpm, 1,076 psi., 450 bbl, 3.5 bpm, 1,240 psi. Final lift 1,240 psi.</p> <p>Bumped plug @ 18:30 hrs, 4/28/2016; with 1,638 psi, 518 psi over final lift pressure of 1,120 psi., held 15 minutes. Bled back 3 bbls, Floats Held. Full returns throughout job.</p> <p>** Pumped whole job thru choke.</p>
4/28/2016 19:30	4/28/2016 20:00	0.5		RIG DOWN	RD	Flush through BOP stack & Flowlines, R/D Cementers
4/28/2016 20:00	4/28/2016 21:45	1.75		WELLHEAD	WH	<p>Remove landing joint, M/U & set pack off in well head, run in lock down pins, energize pack off seals and test pack off to 5000 psi for 15 min good test, witnessed by PNR rep. L/D Landing Joint.</p> <p>**Safe Work Permits: Confined space entry permit for cellar.</p>
4/28/2016 21:45	4/28/2016 22:00	0.25		SAFETY	SFTY	PJSM W/Edge, PNR Rep. & Patterson Rig Crew on N/D Operations & Abandonment cap installation
4/28/2016 22:00	4/28/2016 23:30	1.5		N/D BOPE	ND_BOP E	<p>N/D BOP's, break bolts on BOPs, Attach BOP Wrangler to stack R/D turn buckles, break flow line, break DSA & Spool. Lift stack.</p> <p>** Confined space entry permit in place.</p>
4/28/2016 23:30	4/29/2016 00:00	0.5		WELLHEAD	WH	<p>Install abandonment cap & test to 500 psi for 15 min - Good.</p> <p>*** Released rig f/University 7-43 #38H @ 00:00 hrs on 04/29/16.</p> <p>** 2 gen - 44%, 1 gen - 56%**</p>

Report #: 8 Daily Operation: 5/29/2016 06:00 - 5/30/2016 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 038152
Days From Spud (days) 37	Days on Location (days) 7	End Depth (ftKB) 6,931.0	End Depth (TVD) (ftKB) 6,864.9	Dens Last Mud (lb/gal) 8.40	Rig PATTERSON - UTI, 802	

Operations Summary

Walk rig, N/U & test, install wear bushing, M/U BHA, TIH, drill out, CTCH, FIT. Drill Production Vertical t/6931

Remarks

NPT for May :

Patterson: Past 24 hr - 0, Total - 0

3rd Party: Past 24 hr - 0, Total - 1.25

?? Last survey @ 6777', Inc-9.9°, Azm- 60.5°, 12.5' High & .5' Left to plan #2, Gamma-N/A°, CBHT-124°F. 30.5% Complete

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/29/2016 06:00	5/29/2016 06:30	0.5		SAFETY	SFTY	PJSM w/ Patt, Edge, PNR & Driltek - Walking rig to University 7-43 38H, ? Assigned roles to personnel ? 9-5/8" csg tested w/ testers while cmt prod'n csg on 37H - Good test. ? 1 generator on line.
5/29/2016 06:30	5/29/2016 08:45	2.25		MOVE	MOVE	Walk rig T/38H, while staging matting boards & removing HPU extension skids.
5/29/2016 08:45	5/29/2016 09:00	0.25		SAFETY	SFTY	PJSM w/ Patt, Edge, Driltek & PNR - NU BOP's,
5/29/2016 09:00	5/29/2016 10:15	1.25		N/U BOPE	NU_BOP E	NU BOP's, & torque same RU turnbuckles, drainlines, mud lines & flowline.
5/29/2016 10:15	5/29/2016 11:00	0.75		RIG UP	RU	Finish walking catwalk & MU to v-door
5/29/2016 11:00	5/29/2016 11:15	0.25		SAFETY	SFTY	PJSM w/ Patt, Edge, Driltek & PNR - Testing BOP's ? Confined space entry in place
5/29/2016 11:15	5/29/2016 14:15	3		TEST BOPE	TEST_B OPE	** Edge Specialties on location testing BOPE: Choke manifold, floor valves, HCR valve, top, bottom & blind rams, kill line 250/5000 - 5 min. Test hydril 250/3,500 for 5 min. Test mud lines back to pumps 250/5000 - 5 min. Good Test.
5/29/2016 14:15	5/29/2016 14:30	0.25		SAFETY	SFTY	PJSM w/ Patt & PNR - Proper procedure on wellhead lockdown pins
5/29/2016 14:30	5/29/2016 15:15	0.75		WELLHEAD	WH	PU single Remove test plug & install wear bushing ? Confined space entry in place ? PNR & Rig Mgr confirm lock down pins tightened correctly
5/29/2016 15:15	5/29/2016 15:30	0.25		TEST BOPE	TEST_B OPE	Koomey draw-down test
5/29/2016 15:30	5/29/2016 15:45	0.25		SAFETY	SFTY	PJSM w/ Patt, Leam & PNR - Proper BHA handling
5/29/2016 15:45	5/29/2016 17:30	1.75		P/U BHA	PU_BHA	PU, MU, scribe & test directional BHA, MU bit & prep to TIH. ? 2 generators on line.
5/29/2016 17:30	5/29/2016 18:00	0.5		PLANNED RIG SERVICE	RIG_SVC	Service rig: Grease from the crown to the ground.
5/29/2016 18:00	5/29/2016 18:15	0.25		SAFETY	SFTY	PJSM w/crew on P/U 5" HWDP & Tripping pipe
5/29/2016 18:15	5/29/2016 20:30	2.25		TIH - ELEVATOR	TIH_ELEV	TIH f/105' t/5922', with no issues Proper displacement observed with trip tanks. Max Trip Speed 150'/minute Note: Tag F/C @5922'
5/29/2016 20:30	5/29/2016 21:00	0.5		N/U BOPE	NU_BOP E	Pull trip nipple and install rotating head assembly
5/29/2016 21:00	5/29/2016 21:30	0.5		DRILL OUT	DRL_OUT	Drill out float equipment f/5922' t/6022' w/10 WOB, 200 Diff, 30 ROP's, 450 GPM's F/C=5923' SH=6022'
5/29/2016 21:30	5/29/2016 21:45	0.25		DRILL	DRL	Drill 10' of new formation f/6040' t/6050', w/150 WOB, 250 Diff, 450 GPM's,
5/29/2016 21:45	5/29/2016 22:30	0.75		CIRCULATE	CIRC	Circ & Condition mud F/FIT, MW In/Out 8.5
5/29/2016 22:30	5/29/2016 22:45	0.25		FIT / LOT	FIT/LOT	FIT Test: @ 6022 MD, 5,970 TVD 8.5 MW + 465 psi = 10.0 ppg EMW

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/29/2016 22:45	5/30/2016 06:00	7.25		DRILL	DRL	Drill F/6050' T/6931' (151' @ 123 fph), 90% Rot, 30.5% complete. 90% Rot @ 140 fph 11% Sldg @ 53 fph MW-8.3 w/ 52 vis, full returns. Pump 10 bbl, 10 ppb LCM sweeps every connection. ?? Last survey @ 6683', Inc-10.6°, Azm-59.5°, 12.9' High & 1' Left to plan #2, Gamma-N/A°, CBHT-124°F. Lithology: 6130 -- 70% SD, 30% SH 6610 -- 50% SH, 50% SD Note: Control drill w/500 GPM's, 190 max ROP's due to trouble shooting with #1 mud pump module 2 discharge washed out, Attempt to apply JB weld on wash out and put pump back on line, having no success decision was made to continue to drill with one pump while welder arrives on location a fix module.

Report #: 9 Daily Operation: 5/30/2016 06:00 - 5/31/2016 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 038152
Days From Spud (days) 38	Days on Location (days) 8	End Depth (ftKB) 8,711.0	End Depth (TVD) (ftKB) 8,619.9	Dens Last Mud (lb/gal) 8.20	Rig PATTERSON - UTI, 802	

Operations Summary

Drill 8.75" Prod Vert F/ 6,931' to 8711

Remarks

NPT for April :

Patterson: Past 24 hr - 0, Total - 0

3rd Party: Past 24 hr - 0, Total - 1.25

Last survey @ 8557', Inc-10.2°, Azm- 60.2°, 3.3' High & 3.2' Left to plan #2, Gamma-N/A°, CBHT-138°F. 91% Complete

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/30/2016 06:00	5/30/2016 15:30	9.5		DRILL	DRL	Drill prod vert F/6931' T/7781' @ 89 fph, 59% complete. 62% Rot @ 134 fph 38% Sldg @ 33 fph MW: 8.2 w/ a 48 vis, full returns. 10-15 bbl, hi-vis every other conn, seeing 25% inc amt cuttings SPR's @ 7,024' & 7,493' Lithology: 6940 - 80% LS, 20% SH 7000 - 70% LS, 30% SH 7120 - 60% LS, 20% SH, 20% SD 7180 - 50% LS, 30% SH, 20% SD 7230 - 60% SH, 30% LS, 10% SD 7330 - 70% SD, 20% LS, 10% SH 7340 - 50% SD, 30% SD, 20% SH 7400 - 40% SH, 30% LS, 30% SD 7510 - 80% SH, 10% LS, 10% SD 7530 - 40% SH, 30% LS, 30% SD 7710 - 60% SH, 30% LS, 10% SD 7770 - 50% SH, 40% LS, 10% SD
5/30/2016 15:30	5/30/2016 16:00	0.5		PLANNED RIG SERVICE	RIG_SVC	Service Rig: Grease from the crown to the ground. Chk MP #1, middle module starting to wash again. Patt has module heading this way.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/30/2016 16:00	5/30/2016 21:30	5.5		DRILL	DRL	Drill prod vert F/7781' T/8189' @ 74 fph, 74% complete. 50% Rot @ 110 fph 50% Sldg @ 40 fph MW: 8.2 w/ a 48 vis, full returns. Lithology: 7820 - 50% SH, 40% LS, 10% SD 7870 - 60% SH, 40% LS 8050 - 80% SH, 20% LS Note: Receiving high winds, heavy rains & lighting
5/30/2016 21:30	5/30/2016 22:15	0.75		CIRCULATE	CIRC	Pick up off bottom, shut down 1 generator & circulate due to server weather. Note: Follow Patterson server weather procedures
5/30/2016 22:15	5/30/2016 22:30	0.25		DRILL	DRL	Drill prod vert F/8189' T/8243' @ 216 fph, 75% complete. 100% Rot @ 216 fph 0% Sldg @ - fph MW: 8.2 w/ a 48 vis, full returns. Note: @ 8200' pump high vis to perform sprayberry circulation
5/30/2016 22:30	5/30/2016 23:30	1		CIRCULATE	CIRC	Pick up off bottom & circulate high sweep around before entering sprayberry. w/500 GPM's, 80 RPM's, Note: While sweep coming back around there was no change in returners (cuttings or sand)
5/30/2016 23:30	5/31/2016 06:00	6.5		DRILL	DRL	Drill prod vert F/8243' T/8711' @ 72 fph, 91% complete. 54% Rot @ 103 fph 46% Sldg @ 38 fph MW: 8.2 w/ a 48 vis, full returns. Lithology: 8300 - 70% SH, 30% LS 8360 - 80% SH, 20% LS 8450 - 80% SH, 20% LS Ran on #2 generator 100%, 1&3 50% from previous 24 hrs.

Report #: 10 Daily Operation: 5/31/2016 06:00 - 6/1/2016 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 038152
Days From Spud (days) 39	Days on Location (days) 9	End Depth (ftKB) 9,241.0	End Depth (TVD) (ftKB) 9,129.5	Dens Last Mud (lb/gal) 8.25	Rig PATTERSON - UTI, 802	

Operations Summary

Drill 8.75" Prod Vert F/8711' to 8930' KOP,CTCH, TOO, C/O BHA, TIH, Drill 8.75" Curve F/ 8930' to 9241

Remarks

NPT for May :

Patterson: Past 24 hr - 0, Total - 21.5

3rd Party: Past 24 hr - .75, Total - 12.25

Last survey @ 9044', Inc-18.2°, Azm- 106.1°, 12' High & 14' right to plan #3, Gamma-75°, CBHT-131°F. 29% Complete

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/31/2016 06:00	5/31/2016 13:45	7.75		DRILL	DRL	Drill prod vert F/8711' T/8930' @ 28 fph, 99% complete. 81% Rot @ 27 fph 19% Sldg @ 11 fph MW: 8.2 w/ a 48 vis, full returns. ? Dropping 1.5- 2° per stand drilled ? 10-15 bbl, hi-vis every other conn, seeing 25% inc amt cuttings ? Spr's @ 8,711'. ?SPYBY M A1 - 8,782' MD, 8,690' TVP Lithology: 8700 - 80% SH, 20% SD 8720 - 70% SH, 30% SD 8730 - 50% SH, 50% SD 8740 - 70% SH, 30% SD 8770 - 60% SH, 30% SD, 10% LS 8800 - 60% SH, 20% SD, 20% LS 8860 - 40% SH, 30% SD, 30% LS 8900 - 70% SH, 20% LS, 10% SD **After making the Connection at 8,899', ROP fell off to 15- 25 fph. Pumped 2 hi-vis sweeps in tandem after connection was made, 1st sweep brought back a hand full coffee size cuttings, 2nd sweep shakers were clean. Notified Supt & Eng, decision was made to TOO H for Curve assembly.
5/31/2016 13:45	5/31/2016 14:15	0.5		FLOW CHECK	FLOW_C HK	Flow chk f/15 mins, well static. Pump slug. ? Held PJSM over TOO H operations during flow chk.
5/31/2016 14:15	5/31/2016 17:00	2.75		TOOH - ELEVATOR	TOOH_E LEV	TOOH F/Curve assembly F/8,930' to 745", No hole issues seen, Hole taking proper fill from trip tanks.
5/31/2016 17:00	5/31/2016 17:30	0.5		N/U BOPE	NU_BOP E	Pull Rotating Head & Install Trip Nipple.
5/31/2016 17:30	5/31/2016 18:00	0.5		TOOH - ELEVATOR	TOOH_E LEV	Cont. TOO H w/Curve assembly F/780' t/180', No hole issues seen, Hole taking proper fill from trip tanks.
5/31/2016 18:00	5/31/2016 18:15	0.25		SAFETY	SFTY	PJSM w/ Patt crew, Leam Directional & PNR CM over L/D Vert. Assy.
5/31/2016 18:15	5/31/2016 19:00	0.75		L/D BHA	L/D BHA	L/D Top NMDC, Pull MWD, Drain Motor, Break Bit, L/D IBS, L/D Motor. **Bit Graded: 2/6/RO/S/X/1/RO/TD
5/31/2016 19:00	5/31/2016 19:15	0.25		SAFETY	SFTY	PJSM w/ Patt crew, Leam Directional & PNR CM over P/U Directional tools,
5/31/2016 19:15	5/31/2016 19:45	0.5		P/U BHA	PU_BHA	P/U 6 3/4" 2.38° Fixed Slick 7/8 - 5.0 Motor, M/U Float Sub & UBHO Sub/NMDC, Scribe & Install MWD, Surface test Motor & MWD, Good Test, M/U 8 3/4" MMD55DM Bit & Flex NMDC.
5/31/2016 19:45	5/31/2016 20:15	0.5		PLANNED RIG SERVICE	RIG_SVC	LO/TO TD and DW, check fluid levels on TD and grease same, grease ST-80,
5/31/2016 20:15	5/31/2016 20:45	0.5		N/U BOPE	NU_BOP E	Remove trip nipple & install rotating head assembly
5/31/2016 20:45	6/1/2016 00:00	3.25		TIH - ELEVATOR	TIH_ELE V	TIH W/Curve Assy, F/103' to XXXX', Hole giving proper closed end displacement, Filling every 30 stands.
6/1/2016 00:00	6/1/2016 01:00	1		TIH - NON-ELEVATOR	TIH_NON ELEV	Wash f/8816' t/8930', w/500 GPM's, 100'/min

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
6/1/2016 01:00	6/1/2016 06:00	5		DRILL	DRL	Drill curve F/8930' T/9241' @ 62 fph, 29% complete. 10% Rot @ 60 fph 90% Sldg @ 62 fph MW: 8.2 w/ a 48 vis, full returns. Lithology: 8950 - 60% SH, 10% SD, 30% LS 9070 - 60% SH, 30% SD, 10% LS SURVEY @ MD: 9044' INC 18.2° AZM 106.1° TVD 8948.03' TEMP 131 GAMMA 75 @ SURVEY: 12' AHEAD / 14' RIGHT Ran on1&2 generators 100%, from previous 24 hrs.

Report #: 11 Daily Operation: 6/1/2016 06:00 - 6/2/2016 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 038152
Days From Spud (days) 40	Days on Location (days) 10	End Depth (ftKB) 10,100.0
	End Depth (TVD) (ftKB) 9,477.3	Dens Last Mud (lb/gal) 8.20
		Rig PATTERSON - UTI, 802

Operations Summary

Drill 8 3/4" Curve F/9,241' - 9,851', Drill Lateral T/10,100', CTCH, TOO, C/O BHA, TIH

Remarks

No Accidents, Incidents or Spills.

NPT for June:

Patterson: Past 24 hr - 0, Total - 0

3rd Party: Past 24 hr - .0, Total - 0

Last survey @ 9,981', Inc. 89.1°, Azm. 166.02°, 16.5' High & 8.3' right to plan #3, Gamma 106, CBHT 146°F, Lateral 3% Complete

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
6/1/2016 06:00	6/1/2016 15:15	9.25		DRILL	DRL	Drill curve F/9,241' T/9,851' @ 66 fph, 100% complete. 33% Rot @ 60 fph 68% Sldg @ 70 fph MW: 8.25 w/ a 53 vis, full returns. Lithology: 9250 - 50% SH, 40% SD, 10% LS 9280 - 80% SH, 20% SD 9370 - 60% SD, 20% SH, 20% LS 9400 - 40% SH, 40% SD, 20% LS 9430 - 60% SH, 30% SD, 10% LS 9460 - 50% SH, 40% SD, 10% LS 9490 - 70% SH, 20% SD, 10% LS 9580 - 90% SH, 10% SD 9640 - 70% SH, 20% SD, 10% SD 9670 - 90% SH, 10% LS 9700 - 60% SH, 40% LS 9760 - 80% SH, 20% LS 9790 - 60% SH, 40% LS 9820 - 90% SH, 10% LS
6/1/2016 15:15	6/1/2016 19:15	4		DRILL	DRL	Drill lateral F/9,851' T/10,100' @ 62 fph, 3% complete. 88% Rot @ 66 fph 13% Sldg @ 30 fph MW: 8.3 w/ a 51 vis, full returns. Lithology: 9910 - 90% SH, 10% LS 10100 - 80% SH, 20% LS
6/1/2016 19:15	6/1/2016 19:45	0.5		PLANNED RIG SERVICE	RIG_SVC	LO/TO DW & TD, Service TDS, ST-80 & Blocks while circulating sweeps.
6/1/2016 19:45	6/1/2016 20:15	0.5		CIRCULATE	CIRC	Circulate B/U & continue circulating until shakers are clean. w/30 RPM's, 562 GPM's, 2,157 spp. Pump 2 high vis sweeps in tandem after last connection was made. **Held PJSM over TOO operations while circulating.
6/1/2016 20:15	6/1/2016 20:30	0.25		FLOW CHECK	FLOW_C HK	Flow Check to Trip Tank F/7 mins, well static. Pump slug.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
6/1/2016 20:30	6/2/2016 00:30	4		TOOH - ELEVATOR	TOOH_ELEV	TOOH F/RST Lateral assy. F/10,100' to 672', No hole issues seen, Hole taking proper fill from trip tanks. **TOOH on Double to rotate breaks.
6/2/2016 00:30	6/2/2016 01:00	0.5		N/U BOPE	NU_BOP E	Pull Rotating Head & Install Trip Nipple.
6/2/2016 01:00	6/2/2016 01:15	0.25		TOOH - ELEVATOR	TOOH_ELEV	Cont. TOOH w/Curve assy. F/672' t/102', No hole issues seen, Hole taking proper fill from trip tanks.
6/2/2016 01:15	6/2/2016 01:30	0.25		SAFETY	SFTY	PJSM w/Patterson Crew, Learn Directional & PNR CM over BHA Handling
6/2/2016 01:30	6/2/2016 02:15	0.75		L/D BHA	L/D BHA	L/D Flex NMDC, Remove MWD, Drain Motor, Break Bit, L/D Motor, Break Off Float Sub, Pony NMDC & UBHO Sub. **Bit Graded: 1 - 1 - CT - G - X - 0 - NO - BHA
6/2/2016 02:15	6/2/2016 03:30	1.25		P/U BHA	PU_BHA	Inst. New Sleeve In UBHO Sub & M/U to NMDC, P/U & M/U RST (float installed), Inst. MWD & Lock Down Same, P/U & M/U 7:8 3.3 Slick Straight Triumph Mud Motor, Double Pin Sub & Pony NMDC. Surface Test Motor & MWD @ 5.98 bpm, 365 psi, Good Test. M/U 8 1/2" Security MM65D Bit
6/2/2016 03:30	6/2/2016 06:00	2.5		TIH - ELEVATOR	TIH_ELEV	TIH W/Lateral Assy, F/BHA - 5,714', Hole giving proper closed end displacement, Filling every 30 stands. **Ran 100% of previous 24 hours on 2 generators.

Report #: 12 Daily Operation: 6/2/2016 06:00 - 6/3/2016 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 038152
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Days From Spud (days) 41	Days on Location (days) 11	End Depth (ftKB) 12,431.0	End Depth (TVD) (ftKB) 9,443.1	Dens Last Mud (lb/gal) 8.35	Rig PATTERSON - UTI, 802
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Operations Summary

Slip/Cut DL, TIH, Survey Mgmt, TIH, Relog gamma, Drill 8.5" Prod Lat F/ 10,100' to 12,431'

Remarks

No Accidents, Incidents or Spills.

NPT for June:

Patterson: Past 24 hr - 0, Total - 0

3rd Party: Past 24 hr - 0, Total - 0

Last survey @ 12,153', Inc. 90.4°, Azm. 165.13°, 22.5' High & 4' Left to plan #3, Gamma 98, CBHT 175°F, Lateral 26% Complete

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
6/2/2016 06:00	6/2/2016 06:30	0.5		SAFETY	SFTY	Fill pipe. PJSM w/ Patt rig crew, TP & PNR rep over slip & cut drill line.
6/2/2016 06:30	6/2/2016 07:45	1.25		SLIP & CUT	SLIP_CUT	Slip & Cut 120' of drill line.
6/2/2016 07:45	6/2/2016 08:00	0.25		N/U BOPE	NU_BOP E	Pull trip nipple & install rotating head.
6/2/2016 08:00	6/2/2016 08:30	0.5		TIH - ELEVATOR	TIH_ELEV	TIH W/Lateral Assy f/ shoe to 6,183'. Hole giving proper closed end displacement.
6/2/2016 08:30	6/2/2016 10:00	1.5		LWD	LWD	Perform Survey Mgmt F/ 6,183' to 6,745'.
6/2/2016 10:00	6/2/2016 11:30	1.5		TIH - ELEVATOR	TIH_ELEV	Cont TIH W/Lateral Assy, F/6,745' to 10,026', Hole giving proper closed end displacement, Filling every 30 stands.
6/2/2016 11:30	6/2/2016 12:30	1		LWD	LWD	Fill pipe. Relog gamma f/ 10,026' to 10,100' w/ 587 gpm, 2741 spp, full returns to surface.
6/2/2016 12:30	6/2/2016 16:45	4.25		DRILL	DRL	Drill F/10,100' to 10,587' (487' @ 115 fph), 100% Rot, 7% complete. MW-8.35 w/ 50 vis, full returns. Lithology: 10,130' - 90% SH, 10% LS 10,510' - 90% SH, 10% LS
6/2/2016 16:45	6/2/2016 17:15	0.5		PLANNED RIG SERVICE	RIG_SVC	Service Rig: Grease from the crown to the ground.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
6/2/2016 17:15	6/3/2016 06:00	12.75		DRILL	DRL	Drill F/10,587' to 12,431' (1,844' @ 145 fph), 100% Rot, 26% complete. MW-8.3 w/ 53 vis, full returns. Lithology: 10,630' - 90% SH, 10% LS 10,870' - 80% SH, 20% LS 10,930' - 90% SH, 10% LS 11,170' - 80% SH, 20% LS 11,410' - 90% SH, 10% LS 11,830' - 80% SH, 20% LS 11,950' - 90% SH, 10% LS 12,070' - 90% SH, 10% LS **Ran 100% of previous 24 hours on 2 generators.

Report #: 13 Daily Operation: 6/3/2016 06:00 - 6/4/2016 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 038152
Days From Spud (days) 42	Days on Location (days) 12	End Depth (ftKB) 15,274.0	End Depth (TVD) (ftKB) 9,403.8	Dens Last Mud (lb/gal) 8.25	Rig PATTERSON - UTI, 802	

Operations Summary

Drill 8 1/2" Production Lateral F/ 12,431' to 15,274'

Remarks

No Accidents, Incidents or Spills.

NPT for June:

Patterson: Past 24 hr - 0, Total - 0

3rd Party: Past 24 hr - .0, Total - 0

Last survey @ 15',152, Inc. 89.3°, Azm. 1624.2°, 36.5' High & 16.6' Right to plan #3, Gamma 106, CBHT 190°F, Lateral 54.6% Complete

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
6/3/2016 06:00	6/3/2016 18:30	12.5		DRILL	DRL	Drill F/12,431' to 13,962' (1,531' @ 122 fph), 100% Rot, 41.4% complete. MW-8.3 w/ 52 vis, full returns. SPR's @ 13,025' & 13,587' Lithology: 12,431' - 90% SH, 10% LS 13,210' - 70% SH, 30% LS 13,270' - 80% SH, 20% LS 13,480' - 90% SH, 10% LS 13,600' - 80% SH, 20% LS 13,660' - 60% SH, 40% LS 13,840' - 70% SH, 30% LS 13,960' - 80% SH, 20% LS ? This morning we are showing losses of 5/7 bph. Started pumping 10-15 bbls of 10 ppb LCM every other connection to help control seepage, consisting of 5 ppb mica & 5 ppb Cal carb. Running diesel @ 5 bph & water @ 2 bph, @ 13,023' diesel @ 7 bph & water off.
6/3/2016 18:30	6/3/2016 19:00	0.5		PLANNED RIG SERVICE	RIG_SVC	L/O T/O Dwks & TDS, Lubricate TD, Drawworks & Blocks

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
6/3/2016 19:00	6/4/2016 06:00	11		DRILL	DRL	<p>Drill F/13,962' to 15,274' (1,312' @ 119 fph), 100% Rot, 54.6% complete. MW-8.3 w/ 52 vis, full returns.</p> <p>SPR's @ 14,244' & 14,714'</p> <p>Lithology: 14,020' - 80% SH, 20% LS 14,260' - 60% SH, 40% LS 14,320' - 80% SH, 20% LS 14,380' - 70% SH, 30% LS 14,440' - 80% SH, 20% LS 14,680' - 70% SH, 30% LS 14,470' - 80% SH, 20% LS 14,800' - 90% SH, 10% LS 14,980' - 70% SH, 30% LS 15,040' - 80% SH, 20% LS</p> <p>? Pumping 10-15 bbls of 10 ppb LCM every other connection to help control seepage, consisting of 5 ppb mica & 5 ppb Cal carb. Running diesel @ 7 bph, water off.</p> <p>? Backed off rpm from 100 to 80 F/14,527' - 14,699' & F/14,996 - 15,180' while controlling hard RH walk in carbonate stringers.</p> <p>? Ran 100% of previous 24 hours on 2 generators.</p>

Report #: 14 Daily Operation: 6/4/2016 06:00 - 6/5/2016 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 038152
Days From Spud (days) 43	Days on Location (days) 13	End Depth (ftKB) 17,399.0
	End Depth (TVD) (ftKB) 9,384.6	Dens Last Mud (lb/gal) 8.25
		Rig PATTERSON - UTI, 802

Operations Summary

Drill 8 1/2" Production Lateral F/ 15.274' to 17,399'

Remarks

No Accidents, Incidents or Spills.

NPT for June:

Patterson: Past 24 hr - 0, Total - 0

3rd Party: Past 24 hr - .0, Total - 0

Last survey @ 17,215', Inc. 90.4°, Azm. 167.74°, 49 Above & 6.3' Left of Plan #3, Gamma 121, CBHT 198°F, Lateral 76% Complete

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
6/4/2016 06:00	6/4/2016 15:30	9.5		DRILL	DRL	<p>Drill F/15274' T/16023' (749' @ 79 fph), 100% Rot, 62.1% complete. MW-8.3 w/ 52 vis, full returns.</p> <p>? SPR's @ 15,461' & 16,023'</p> <p>? Pumping 10-15 bbls of 10 ppb LCM every other connection to help control seepage, consisting of 5 ppb mica & 5 ppb Cal carb. Running diesel @ 7 bph, water @ 2 bph.</p> <p>? Backed off rpm from 100 to 80 F/15,469' - 15,551' & F/15,742' - 15,836' while controlling hard RH walk in carbonate stringers, Double LL.</p> <p>? Backed off rpm from 80 to 65 F/15,836' - 16,078' while controlling hard RH walk in carbonate stringers, Gravity L.</p> <p>Lithology: 15,275' - 70% SH, 30% LS 15,340' - 90% SH, 10% LS 15,520' - 70% SH, 30% LS 15,640' - 60% SH, 40% LS 15,700' - 50% SH, 50% LS 15,730' - 60% SH, 40% LS 15,760' - 70% SH, 30% LS 15,790' - 80% SH, 20% LS 15,880' - 90% SH, 10% LS</p>
6/4/2016 15:30	6/4/2016 16:00	0.5		PLANNED RIG SERVICE	RIG_SVC	Service Rig. L/O T/O Dwks & TDS, Lubricate TD, Drawworks & Blocks
6/4/2016 16:00	6/4/2016 23:15	7.25		DRILL	DRL	<p>Drill F/16,023' T/16,801' (778' @ 107 fph), 100% Rot, 70% complete. MW-8.3 w/ 52 vis, full returns.</p> <p>? SPR's @ 16,586'</p> <p>? Pumping 10 - 15 bbls of 15 ppb LCM every other connection to help control seepage, consisting of 5 ppb mica & 10 ppb Cal carb. Running diesel @ 7 bph, water @ 2 bph.</p> <p>? RPM @ 80 F/16,078' - 16,336' while controlling hard LH walk due to carbonate stringers, 91 Hold RR.</p> <p>Lithology: 16,060' - 90% SH, 10% LS 16,240' - 80% SH, 20% LS 16,450' - 90% SH, 10% LS 16,570' - 80% SH, 20% LS 16,690' - 90% SH, 10% LS 16,750' - 90% SH, 10% LS</p>
6/4/2016 23:15	6/4/2016 23:30	0.25		CIRCULATE	CIRC	Downlink RST to Inc. Hold 90RR off bottom, due to original downlink (F/16,775' - 16,801') not accepted.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
6/4/2016 23:30	6/5/2016 06:00	6.5		DRILL	DRL	<p>Drill F/16,801' T/17,399' (598' @ 92 fph), 100% Rot, 76% complete. MW-8.3 w/ 52 vis, full returns.</p> <p>? SPR's @ 17,056'</p> <p>? Pumping 10 - 15 bbls of 15 ppb LCM every other connection to help control seepage, consisting of 5 ppb mica & 10 ppb Cal carb. Running diesel @ 7 bph, water @ 2 bph.</p> <p>? RPM @ 80 F/16,775' - 17,000' while controlling hard LH walk, 90 Hold RR.</p> <p>Lithology: 16,810' - 90% SH, 10% LS 16,870' - 80% SH, 20% LS 17,080' - 70% SH, 30% LS</p> <p>? Ran 90% of previous 24 hours on 2 generators, remainder on 3 generators.</p>

Report #: 15 Daily Operation: 6/5/2016 06:00 - 6/6/2016 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 038152
Days From Spud (days) 44	Days on Location (days) 14	End Depth (ftKB) 19,585.0
	End Depth (TVD) (ftKB) 9,380.6	Dens Last Mud (lb/gal) 8.30
		Rig PATTERSON - UTI, 802

Operations Summary

Drill 8 1/2" Production Lateral F/ 17,399' to 19,585'

Remarks

No Accidents, Incidents or Spills.

NPT for June:

Patterson: Past 24 hr - 0, Total - 0

3rd Party: Past 24 hr - .0, Total - 0

Last survey @ 19,369', Inc. 90.3°, Azm. 166.32°, 49' Above & 14.7' Right of Plan #3, Gamma 82, CBHT 205°F, Lateral 98% Complete

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
6/5/2016 06:00	6/5/2016 16:30	10.5		DRILL	DRL	<p>Drill F/17399' T/18,277' (878' @ 84 fph), 100% Rot, 84.8% complete. MW-8.3 w/ 52 vis, full returns.</p> <p>? SPR's @ 17,522' & 18,178'</p> <p>? Pumping 15-20 bbls of 20 ppb LCM every other connection to help control seepage - 8/10 bph, consisting of 10 ppb mica & 10 ppb Cal carb. Running diesel @ 7 bph, water @ 2 bph.</p> <p>? RPM @ 75 F/17,899' - 18,084' & 18,186' - 18,277' while controlling hard LH walk, 90 Hold RR.</p> <p>Lithology: 17,400' - 90% SH, 10% LS 17,500' - 80% SH, 20% LS 17,560' - 90% SH, 10% LS 17,620' - 80% SH, 20% LS 17,710' - 90% SH, 10% LS 17,740' - 80% SH, 20% LS 17,890' - 90% SH, 20% LS 18,100' - 80% SH, 20% LS 18,220' - 80% SH, 20% LS</p>
6/5/2016 16:30	6/5/2016 17:00	0.5		PLANNED RIG SERVICE	RIG_SVC	Service Rig. L/O T/O Dwks & TDS, Lubricate TD, Drawworks & Blocks

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
6/5/2016 17:00	6/6/2016 06:00	13		DRILL	DRL	<p>Drill F/18,277' T/19,585' (1,308' @ 101 fph), 100% Rot, 98% complete. MW-8.2+ w/ 53 vis, full returns.</p> <p>? SPR's @ 18,647' & 19,211'</p> <p>? Pumping 15 - 20 bbls of 20 ppb LCM every other connection to help control seepage - 8/10 bph, consisting of 10 ppb mica & 10 ppb Cal carb. Running diesel @ 7 bph, water @ 2 bph.</p> <p>? RPM @ 75 F/18,277' - 18,310' while controlling hard LH walk, 90 Hold RR.</p> <p>Lithology: 18,290' - 90% SH, 10% LS 18,380' - 80% SH, 20% LS 18,500' - 70% SH, 30% LS 18,590' - 80% SH, 20% LS 18,770' - 90% SH, 10% LS 18,890' - 80% SH, 20% LS 19,070' - 70% SH, 30% LS 19,130' - 80% SH, 20% LS 19,160' - 60% SH, 40% LS 19,220' - 80% SH, 20% LS 19,250' - 90% SH, 10% LS</p> <p>? Ran 100% of previous 24 hours on 3 generators.</p>

Report #: 16 Daily Operation: 6/6/2016 06:00 - 6/7/2016 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 038152
Days From Spud (days) 45	Days on Location (days) 15	End Depth (ftKB) 19,795.0
	End Depth (TVD) (ftKB) 9,380.5	Dens Last Mud (lb/gal) 8.20
	Rig PATTERSON - UTI, 802	

Operations Summary

Drill 8 1/2" Production Lateral F/ 19,585' to 19,795' TD, Cir K&M CUC, TOO, L/D DP

Remarks

No Accidents, Incidents or Spills.

NPT for June:

Patterson: Past 24 hr - 0, Total - 0

3rd Party: Past 24 hr - .0, Total - 0

Last survey @ 19,767', Inc. 89.9°, Azm. 164.81°, 49.5' Above & 15.4' Right of Plan #3, Gamma 112, CBHT 205°F, Lateral 100% Complete

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
6/6/2016 06:00	6/6/2016 08:00	2		DRILL	DRL	<p>Drill F/19,585' T/19,795' (210' @ 105 fph), 100% Rot, 0% complete. MW-8.3 w/ 52 vis, full returns.</p> <p>? Pumping 20 bbls of 20 ppb LCM every other connection to help control seepage - 8/10 bph, consisting of 10 ppb mica & 10 ppb Cal carb. Running diesel @ 7 bph, water @ 2 bph.</p> <p>Lithology: 19,585' - 90% SH, 10% LS</p> <p>?? Last survey @ 19,767', Inc-89.9°, Azm-164.81°, 49.5' High & 15.4' Right of plan #3, Gamma-112°, CBHT-205°F.</p> <p>? TD'd 8.5" Prod Lateral Sect on 6/6/16 @ 08:00 hrs.</p>
6/6/2016 08:00	6/6/2016 08:30	0.5		CIRCULATE	CIRC	<p>Circ. 5 Mins., Take Final Survey, Downlink RST to "Neutral", L/D Single.</p>

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
6/6/2016 08:30	6/6/2016 19:30	11		CIRCULATE	CIRC	Perform K&M clean up cycle with 9 BU a total of 89,550 stks, 586 Gpm's, 3360 spp, 100 Rpm's, reciprocate @ 75'/min. Start: End: P/U 245 P/U 238 S/O 185 S/O 224 Rot. 225 Rot. 224 TQ 8K TQ 7 PSI 3,545 PSI 3,320 ? 1st BU - Shakers loaded up ? 2nd BU - Shakers loaded up ? 3rd BU - Saw slight increase at shakers ? 4th BU - Fine to small size cuttings at shakers ? Continue to see reducing waves of small grain size cuttings 5th - 7th B/U ? 8th BU - Shakers clean ? 9th BU - Shakers clean ?? Bushing puller joint staged to Drillers side of catwalk. ?? Staged Float equip., Cent. to rig floor. ?? Made sure all slips, collar clamps, etc. are dressed & ready to go / checked dies in ST-80 / Mud bucket ready for trip. ?? Thread protectors staged to rig floor. ??? Held PJSM W/Patterson Rig Crew & PNR Co. Man on LDDP while circulating.
6/6/2016 19:30	6/6/2016 20:15	0.75		TOOH - ELEVATOR	TOOH_E LEV	TOOH on elevators, Pull 10 stands wet (pull test) F/19,772' - 18, 835'. Pulling @ 290K W/max overpull of 370K @ 19,520, Acts like pulling stabilized assy. (RST). Hole taking proper fill from trip tanks, no dirty hole indications observed.
6/6/2016 20:15	6/6/2016 20:30	0.25		FLOW CHECK	FLOW_C HK	Check F/flow to trip tank, Well static, Pump slug
6/6/2016 20:30	6/7/2016 04:00	7.5		L/D BHA	L/D BHA	L/D DP F/18,835' - 9,798', Hole taking proper fill from trip tanks, no dirty hole indications observed.
6/7/2016 04:00	6/7/2016 04:30	0.5		PLANNED RIG SERVICE	RIG_SVC	Rig Service, Lubricate Catwalk
6/7/2016 04:30	6/7/2016 06:00	1.5		L/D BHA	L/D BHA	L/D DP F/9,798' - 7,495', Hole taking proper fill from trip tanks, no dirty hole indications observed. ? Ran 80% of previous 24 hours on 3 generators, remainder on 2 generators.

Report #: 17 Daily Operation: 6/7/2016 06:00 - 6/8/2016 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 038152
Days From Spud (days) 46	Days on Location (days) 16	End Depth (ftKB) 19,795.0
	End Depth (TVD) (ftKB) 9,380.5	Dens Last Mud (lb/gal) 8.20
		Rig PATTERSON - UTI, 802

Operations Summary

L/D DP, L/D RST Assembly, PWB, RU & RIH w/ 5.5" Prod Csg

Remarks

No Accidents, Incidents or Spills.

NPT for June:

Patterson: Past 24 hr - 0, Total - 0

3rd Party: Past 24 hr - .0, Total - 0

Last survey @ 19,767', Inc. 89.9°, Azm. 164.81°, 49.5' Above & 15.4' Right of Plan #3, Gamma 112, CBHT 205°F, Lateral 100% Complete

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
6/7/2016 06:00	6/7/2016 13:45	7.75		TOOH - ELEVATOR	TOOH_E LEV	L/D DP F/7,495' - BHA., Hole taking proper fill from trip tanks, no dirty hole indications observed. ? Del's on location inspection DP.
6/7/2016 13:45	6/7/2016 14:00	0.25		SAFETY	SFTY	PJSM w/ Patt, PNR & Leam - BHA Handling

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
6/7/2016 14:00	6/7/2016 15:00	1		L/D BHA	L/D BHA	Drain MM, LD break bit, UBHO, float sub, NMDC, pony, MM ? Bit Graded: 1-2-WT-S-X-0-CT-TD ? MM had no excessive wear
6/7/2016 15:00	6/7/2016 15:45	0.75		WELLHEAD	WH	PJSM w/ Patt & PNR - Proper wear bushing pulling procedures PU jt DP w/ wear bushing retrieval tool already MU Backout lockin pins & gland nuts w/ PNR rep present. Pull & inspect short wear bushing,
6/7/2016 15:45	6/7/2016 16:00	0.25		SAFETY	SFTY	Remove all tools & clean off OBM from floor from trip, straighten up & prep to RU csg tools.
6/7/2016 16:00	6/7/2016 16:30	0.5		PLANNED RIG SERVICE	RIG_SVC	Service Rig. L/O T/O Dwks & TDS, Lubricate TD, Drawworks & Blocks
6/7/2016 16:30	6/7/2016 16:45	0.25		SAFETY	SFTY	PJSM w/ Patt, Franks, Weatherford, Frontier, Superior & PNR - RU & running 5.5" csg
6/7/2016 16:45	6/7/2016 18:00	1.25		RIG UP	RU	RU casing tools, CRT & torque turn equipment. Perform safety inspection on tools.
6/7/2016 18:00	6/7/2016 19:00	1		RUN CSG W/O WASH	CSG_W/ OWASH	PU & MU 2 jt shoe track & test floats - Good ? Single valve down jet float shoe ? 2 jts of csg ? Float collar w/latch-in plate ? Single csg jt ? Time delayed toe sleeve - WFD ? Single csg jt Thread locking all connections up to bottom of toe sleeve. ? Note: All csg components are 5-1/2" 20# P-110IC TXP-BTC ? Optimum MU Tq = 12,520 ft/lbs, monitored w/ tq turn ?Toe Sleeve Information: (PSI to Activate Sleeve) Burst Disk Rating 12,754 psi Min Surface Applied 8,431 psi Nom Surface Applied 8,686 psi Max Surface Applied 8,941 psi Estimated Time Delay 15 min
6/7/2016 19:00	6/8/2016 06:00	11		RUN CSG W/O WASH	CSG_W/ OWASH	Run 5.5" prod'n csg F/198' to 9,118' Fill & break circ every 40 jts. Hole giving proper closed end displacement. ? Avg ID of 10 jts - 4.84375" ? OD of csg collars - 6.09375" ? ID of csg elevators - 5.625" ? Ran 100% of previous 24 hours on 2 generators.

Report #: 18 Daily Operation: 6/8/2016 06:00 - 6/9/2016 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 038152
Days From Spud (days) 47	Days on Location (days) 17	End Depth (ftKB) 19,795.0
	End Depth (TVD) (ftKB) 9,380.5	Dens Last Mud (lb/gal) 8.20
		Rig PATTERSON - UTI, 802

Operations Summary

Run, Land, Circ. & Cement 5 1/2" Prod. Csg., Inst. Packoff, Flush Stack & Mudlines

Remarks

See Incident Report

NPT for June:

Patterson: Past 24 hr - 0, Total - 0

3rd Party: Past 24 hr - .0, Total - 0

Final survey @ 19,767', Inc. 89.9°, Azm. 164.81°, 49.5' Above & 15.4' Right of Plan #3, Gamma 112, CBHT 205°F, Lateral 100% Complete

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
6/8/2016 06:00	6/8/2016 07:00	1		RUN CSG W/O WASH	CSG_W/ OWASH	Run 5.5" prod'n csg F/ 9,118' to 10,087' Fill & break circ every 40 jts. Hole giving proper closed end displacement. ? Optimum MU Tq = 12,520 ft/lbs, monitored w/ tq turn.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
6/8/2016 07:00	6/8/2016 08:15	1.25		CIRCULATE	CIRC	Circ. B/U (4,800 stks) @ 10,087' (Base of curve) @ 8 bpm, 340 psi, full returns to surface. MW 8.2 Vis 53 ? Max gas seen @ B/U = 193 Units
6/8/2016 08:15	6/8/2016 20:30	12.2 5		RUN CSG W/O WASH	CSG_W/ OWASH	Run 5.5" prod'n csg F/ 10,087' to 19,740' Fill & break circ every 40 jts. Hole giving proper closed end displacement. ? Optimum MU Tq = 12,520 ft/lbs, monitored w/ tq turn.
6/8/2016 20:30	6/8/2016 20:45	0.25		RUN CSG W/O WASH	CSG_W/ OWASH	Pick up casing hanger & landing joint, land casing in well head. Seaboard/Weir Rep. & PNR Co. Man Witness. Casing set at 19,776' MD ?Seaboard/Weir Rep. confirmed all lock pins backed out prior to landing. Marker 1 8,661' Marker 2 8,890' Marker 3 14,807' Toe Sleeve 19,629' Float Collar 19,687' Shoe 19,776' Ran 40 Rigid Body Centralizers.
6/8/2016 20:45	6/8/2016 22:30	1.75		CIRCULATE	CIRC	R/D Casing tools from floor and R/U Cement Iron to floor while circulating 1.5 times casing volume @ 8 bbl/min, 525 psi. Full returns to surface.
6/8/2016 22:30	6/8/2016 22:45	0.25		SAFETY	SFTY	PJSM W/Patterson Crew, RM, PNR Rep., PNR HSE Rep., SLB & Miller & Assoc. Mud Eng'r. On cementing production casing.
6/8/2016 22:45	6/8/2016 23:15	0.5		RIG UP	RU	R/D CRT, R/U Cement Head
6/8/2016 23:15	6/9/2016 03:00	3.75		CEMENT	CMT	Cement 5 1/2" casing: Pump 50 bbl Fresh Water, Flush lines to pit Test lines to 4,500 psi Drop Bottom Plug @ 23:26 Pump 50 bbl spacer (9.5 ppg Mud Push); Pump 165 bbls lead cement (374 sacks, 2.48 ft³/sk yield, mixed @ 11.5 ppg) Pump 464 bbls tail cement (1,664 sacks, 1.57 ft³/sk yield, mixed @ 13.2 ppg) Drop Top Plug @ 01:36 Wash up lines to outside reserve pit. Displace w/437 bbl H2O 8.3 ppg; land plug @ 4.2 bbls/min. and bump plug @ 02:47 with 1,530 psi over FCP of 1,720 psi to 3,250 psi, Held 5 Min., Bled back 5 bbls to truck, Floats held. Full returns through out cement job.
6/9/2016 03:00	6/9/2016 03:15	0.25		RIG DOWN	RD	R/D SLB cement head and iron from floor.
6/9/2016 03:15	6/9/2016 04:45	1.5		WELLHEAD	WH	Drain stack, remove landing joint, install pack off, energize seals and tighten all lock pins and gland nuts. Pull setting tool & L/D Landing joint. ? PNR Rep. Witness operation. ? Confined Space Permit in Place
6/9/2016 04:45	6/9/2016 06:00	1.25		CEMENT	CMT	Flush through all mud lines & BOP stack, Drain Stack & blow down lines. ? PJSM W/Edge on N/D BOP ? Edge 4 bolting stack while flushing lines & stack

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Report #: 19 Daily Operation: 6/9/2016 06:00 - 6/9/2016 18:00

Job Category ORIG DRILLING			Primary Job Type ODR		AFE Number 038152
Days From Spud (days) 47	Days on Location (days) 17	End Depth (ftKB) 19,795.0	End Depth (TVD) (ftKB) 9,380.5	Dens Last Mud (lb/gal)	Rig PATTERSON - UTI, 802

Operations Summary

N/D BOP, Inst. & Test Aban. Cap, Clean Pits, Release Rig to Scharbauer Ranch 3144H

Remarks

No Accidents, Incidents or Spills.

NPT for June:

Patterson: Past 24 hr - 0, Total - 0

3rd Party: Past 24 hr - .0, Total - 0

Final survey @ 19,767', Inc. 89.9°, Azm. 164.81°, 49.5' Above & 15.4' Right of Plan #3, Gamma 112, CBHT 205°F, Lateral 100% Complete

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
6/9/2016 06:00	6/9/2016 08:00	2		CEMENT	CMT	Cont Flushing through all mud lines & BOP stack, Drain Stack & blow down lines. PJSM W/Edge on N/D BOP.
6/9/2016 08:00	6/9/2016 13:30	5.5		N/D BOPE	ND_BOP E	N/D flow line, Orbit Valve, BOP, kill line, choke line. R/D catch can, Koomey lines. Pull spool, L/D BOP. Install night cap & test, 500 psi/15 mins. ** Meyers crew on location cleaning pits.
6/9/2016 13:30	6/9/2016 18:00	4.5		RIG DOWN	RD	Cont. cleaning pits. R/D misc., separator, flow line extensions. R/D mud lines. Move DP & Misc to new location. Park TD, unspool drawworks, slip & cut 100' Drill line. R/D Bails, ODS stairs, Remove flowline F/Sub, R/D Misc. in backyard. ? Pits Clean & Rig released to Scharbauer Ranch 3144H @ 18:00 hours, 6/9/2016

Report #: 1 Daily Operation: 7/14/2016 06:00 - 7/15/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM		AFE Number 038162
Days From Spud (days) 83	Days on Location (days) 1	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig

Operations Summary

Had Petroplex plumb the surface and the intermediate casing up to surface. Painted the intermediate ball valve green and the surface ball valve red. Surface casing has 90 on it pointing towards wellhead. Filled in the cellar with p-gravel. Released Petroplex. Had Seaboard nipple up the tubing head with DS adapte and blind flange. Pressure tested the flange to 5,000 psi. Tested good. Pressure tested the seals to 7,500 psi. Tested good. Released Seaboard.

Remarks

No incidents or accidents to report.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
7/14/2016 06:00	7/14/2016 07:00	1	NONOPS	WELL SHUT IN	SHUT_IN	WSI/No activity.
7/14/2016 07:00	7/14/2016 07:15	0.25	NONOPS	NON ACTIVE DUE TO SAFETY EVENT	SAFETY	Held safety meeting with Petroplex and WEIR / Seaboard
7/14/2016 07:15	7/14/2016 15:15	8	SETUP	WELLHEAD/CELLAR	WH/CELLAR	Had Petroplex plumb the surface and the intermediate casing up to surface. Painted the intermediate ball valve green and the surface ball valve red. Surface valve has 90 pointing towards wellhead. Filled in the cellar with p-gravel. Released Petroplex. Had Seaboard nipple up the tubing head with DS adapte and blind flange. Pressure tested the flange to 5,000 psi. Tested good. Pressure tested the seals to 7,500 psi. Tested good. Released Seaboard.
7/14/2016 15:15	7/15/2016 06:00	14.75	NONOPS	WELL SHUT IN	SHUT_IN	WSI, No activity

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Report #: 2 Daily Operation: 7/30/2016 06:00 - 7/31/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 038162	
Days From Spud (days) 99	Days on Location (days) 2	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig		

Operations Summary

Had Sprint Energy lay containment for pump down and flow back tanks. Had Pioneer Well Service move in and spot 2 pump down tanks and 2 flow back tanks. Closed in containment and released Sprint Energy.
and Pioneer Well Service. Had WEIR/ Seaboard install a two way check valve in the tubing head. Had Slingshot nipple up the two bottom frac valves mud cross and blind flange. Had Slingshot test the bottom flange to 9,800 psi. Held for 10 mins. Good test. Bled of pressure, removed the two way check valve and continued to nipple up the upper frac valve and goat head. Once installed, shut the bottom valve and had Slingshot test the upper flanges and casing body of the frac valves to 10,000 psi. Held for 10 mins. Good test. Bled off pressure, shut all valves and secured the well. Rigged up well head stand.

Remarks

No incidents or accidents to report.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
7/30/2016 06:00	7/30/2016 06:30	0.5	NONOPS	WELL SHUT IN	SHUT_IN	Well secured, No activity
7/30/2016 06:30	7/30/2016 07:00	0.5	NONOPS	NON ACTIVE DUE TO SAFETY EVENT	SAFETY	Held safety meeting with all third party vendors
7/30/2016 07:00	7/30/2016 17:00	10	SETUP	LOCATION	LOCATIO N	Had Sprint Energy lay containment for pump down and flow back tanks. Had Pioneer Well Service move in and spot 2 pump down tanks and 2 flow back tanks. Closed in containment and released Sprint Energy. and Pioneer Well Service. Had WEIR/ Seaboard install a two way check valve in the tubing head. Had Slingshot nipple up the two bottom frac valves mud cross and blind flange. Had Slingshot test the bottom flange to 9,800 psi. Held for 10 mins. Good test. Bled of pressure, removed the two way check valve and continued to nipple up the upper frac valve and goat head. Once installed, shut the bottom valve and had Slingshot test the upper flanges and casing body of the frac valves to 10,000 psi. Held for 10 mins. Good test. Bled off pressure, shut all valves and secured the well. Rigged up well head stand.
7/30/2016 17:00	7/31/2016 06:00	13	NONOPS	WELL SHUT IN	SHUT_IN	WSI, No activity

Report #: 3 Daily Operation: 7/31/2016 06:00 - 8/1/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 038162	
Days From Spud (days) 100	Days on Location (days) 3	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig DYNASTY WIRE LINE, 4883		

Operations Summary

Move in and rig up PPS Pump Down and F2 Flowback. Moved in and rigged up Dynasty Wireline. Run in hole with Dynasty Wireline with a 6.25 gauge ring and junk basket to a depth of 9,725'.
Correlated to marker joint, adjusted 8 ft. Pulled up to surface. Run in with GR/CCL/CBL to a depth of 9,713'. Estimated top of cement at 5,570'. Logged well to surfacet without pressure. POOH with GR/CCL/CBL. Released Dynasty Wireline

Remarks

Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
7/31/2016 06:00	7/31/2016 06:30	0.5	NONOPS	WELL SHUT IN	SHUT_IN	WSI, No activity
7/31/2016 06:30	7/31/2016 07:00	0.5	NONOPS	NON ACTIVE DUE TO SAFETY EVENT	SAFETY	Held safety meeting with all personnel on location.
7/31/2016 07:00	7/31/2016 15:00	8	SETUP	RIG UP OR RIG DOWN	RURD	Moved in and rigged up PPS Pump Down and F2 Flow back
7/31/2016 15:00	7/31/2016 15:06	0.1	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	Time associated with rigging up the lubricator
7/31/2016 15:06	7/31/2016 16:24	1.3	WIRELINE	GAUGE RING/JUNK BASKET	WL_GR/J B	Run in hole with Dynasty Wireline with a 6.25 gauge ring and junk basket to a depth of 9,725'. Correlated to marker joint, adjusted 8 ft. Pulled up to surface
7/31/2016 16:24	7/31/2016 16:41	0.29	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	Rig down lubricator, lay down gauge ring and junk basket. Pick up CBL/CCL.
7/31/2016 16:41	7/31/2016 20:08	3.45	WIRELINE	CBL	WL_CBL	Run in with GR/CCL/CBL to a depth of 9,713'. Estimated top of cement at 5,570'. Logged well to surfacet without pressure. POOH with GR/CCL/CBL.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
7/31/2016 20:08	7/31/2016 20:38	0.5	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	Shut the well in, rigged down wireline and the lubricator, respotted the crane and moved over to the 36H.
7/31/2016 20:38	8/1/2016 06:00	9.36	NONOPS	WELL SHUT IN	SHUT_IN	WSI, No activity

Report #: 4 Daily Operation: 8/1/2016 06:00 - 8/2/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 038162
Days From Spud (days) 101	Days on Location (days) 4	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

Tested surface lines to 9,800 psi. Held for 10 mins. Good test. Bled down pressure to 0 psi. Open well bring pressure up to 4,000 psi and hold for 10 mins. Bring pressure up to 9,500 psi. Toe sleeve opened in 16 mins @ 9,500 psi. Pressure stabilized @ 2,370 psi. Start pumping 5-8 bpm and hold for injection rate. Drop rate 5 bpm and begin pumping 500 gals of Limonene/1,000 gals of 15% HCL. Bring rate to 10 bpm and once acid hit formation raise rate gradually to 16 bpm @ 6,442 psi. Pumped 510 bbls of fresh water. Monitor pressure for 15 mins 5 min: 2,050 psi/10 min: 2,015 psi/15 min: 1,995 psi. Shut well in and bled off pressure.

Remarks

Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/1/2016 06:00	8/1/2016 06:30	0.5	NONOPS	WELL SHUT IN	SHUT_IN	WSI, No activity
8/1/2016 06:30	8/1/2016 07:00	0.5	NONOPS	NON ACTIVE DUE TO SAFETY EVENT	SAFETY	Held safety meeting with PPS, PWS, SafZone and F2 Flow back
8/1/2016 07:00	8/1/2016 11:12	4.2	PUMP DOWN	MAINTENANCE	PD_MAIN T	Waited on a mechanic from PPS to arrive on location. PPD was unable to start the deck engines on the frac pumps.
8/1/2016 11:12	8/1/2016 11:42	0.5	TEST	SURFACE LINES/PUMP	TEST_LI NE	Tested surface lines to 9,800 psi. Held for 10 mins. Good test. Bled down pressure to 0 psi.
8/1/2016 11:42	8/1/2016 13:45	2.05	PUMP DOWN	OPEN SLEEVE	PD_SLE EVE	Open well bring pressure up to 4,000 psi and hold for 10 mins. Bring pressure up to 9,500 psi. Toe sleeve opened in 16 mins @ 9,500 psi. Pressure stabilized @ 2,370 psi. Start pumping 5-8 bpm and hold for injection rate. Drop rate 5 bpm and begin pumping 500 gals of Limonene/1,000 gals of 15% HCL. Bring rate to 10 bpm and once acid hit formation raise rate gradually to 16 bpm @ 6,442 psi. Pumped 510 bbls of fresh water. Monitor pressure for 15 mins 5 min: 2,050 psi/10 min: 2,015 psi/15 min: 1,995 psi. Shut well in and bled off pressure.
8/1/2016 13:45	8/2/2016 06:00	16.25	NONOPS	WELL SHUT IN	SHUT_IN	WSI, No activity

Report #: 5 Daily Operation: 8/2/2016 06:00 - 8/3/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 038162
Days From Spud (days) 102	Days on Location (days) 5	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

Set plug and perf stage #1/WSI.

Remarks

Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/2/2016 06:00	8/2/2016 06:30	0.5	NONOPS	WELL SHUT IN	SHUT_IN	WSI, No activity
8/2/2016 06:30	8/2/2016 07:00	0.5	NONOPS	NON ACTIVE DUE TO SAFETY EVENT	SAFETY	Held safety meeting with all vendors on location.
8/2/2016 07:00	8/2/2016 14:30	7.5	NONOPS	WELL SHUT IN	SHUT_IN	WSI.
8/2/2016 14:30	8/2/2016 15:15	0.75	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU Lube
8/2/2016 15:15	8/2/2016 15:45	0.5	WIRELINE	RUN DOWN	WL_RUN DN	RIH W/WL
8/2/2016 15:45	8/2/2016 15:46	0.02	WIRELINE	PLUG/PERF	WL_PER F	Plug set @ 19,619'
8/2/2016 15:46	8/2/2016 18:46	3	WIRELINE	RUN UP	WL_RUN UP	POOH logging to curve.W/WL
8/2/2016 18:46	8/2/2016 18:52	0.1	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube
8/2/2016 18:52	8/3/2016 06:00	11.14	NONOPS	WELL SHUT IN	SHUT_IN	WSI.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Report #: 6 Daily Operation: 8/3/2016 06:00 - 8/4/2016 06:00						
Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 038162
Days From Spud (days) 103	Days on Location (days) 6	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
Operations Summary WSI/Waiting on frac ops.						
Remarks Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837						
Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/3/2016 06:00	8/4/2016 06:00	24	NONOPS	WELL SHUT IN	SHUT_IN	WSI.
Report #: 7 Daily Operation: 8/4/2016 06:00 - 8/5/2016 06:00						
Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 038162
Days From Spud (days) 104	Days on Location (days) 7	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
Operations Summary WSI/Waiting on frac ops.						
Remarks Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837						
Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/4/2016 06:00	8/5/2016 06:00	24	NONOPS	WELL SHUT IN	SHUT_IN	WSI.
Report #: 8 Daily Operation: 8/5/2016 06:00 - 8/6/2016 06:00						
Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 038162
Days From Spud (days) 105	Days on Location (days) 8	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
Operations Summary WSI/Waiting on frac ops.						
Remarks Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837						
Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/5/2016 06:00	8/6/2016 06:00	24	NONOPS	WELL SHUT IN	SHUT_IN	WSI.
Report #: 9 Daily Operation: 8/6/2016 06:00 - 8/7/2016 06:00						
Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 038162
Days From Spud (days) 106	Days on Location (days) 9	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
Operations Summary WSI/Waiting on frac ops.						
Remarks Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837						
Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/6/2016 06:00	8/7/2016 06:00	24	NONOPS	WELL SHUT IN	SHUT_IN	WSI.
Report #: 10 Daily Operation: 8/7/2016 06:00 - 8/8/2016 06:00						
Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 038162
Days From Spud (days) 107	Days on Location (days) 10	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
Operations Summary WSI/Waiting on frac ops.						
Remarks Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837						
Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/7/2016 06:00	8/8/2016 06:00	24	NONOPS	WELL SHUT IN	SHUT_IN	WSI.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Report #: 11 Daily Operation: 8/8/2016 06:00 - 8/9/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 038162
Days From Spud (days) 108	Days on Location (days) 11	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

WSI/Waiting on frac ops.

Remarks

Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/8/2016 06:00	8/9/2016 06:00	24	NONOPS	WELL SHUT IN	SHUT_IN	WSI.

Report #: 12 Daily Operation: 8/9/2016 06:00 - 8/10/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 038162
Days From Spud (days) 109	Days on Location (days) 12	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

Move in and spot working tanks and 2 trailer houses for frac.

Remarks

Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/9/2016 06:00	8/9/2016 07:00	1	NONOPS	WELL SHUT IN	SHUT_IN	WSI/No activity.
8/9/2016 07:00	8/9/2016 07:30	0.5	NONOPS	NON ACTIVE DUE TO SAFETY EVENT	SAFETY	Hold PJSM with all vendors on location.
8/9/2016 07:30	8/9/2016 17:00	9.5	SETUP	RIG UP OR RIG DOWN	RURD	MI and lay containment for working tanks with Sprint. MIRU 1 office trailer and 1 living trailer from Wolfpack rentals.
8/9/2016 17:00	8/10/2016 06:00	13	NONOPS	WELL SHUT IN	SHUT_IN	WSI/No activity.

Report #: 13 Daily Operation: 8/10/2016 06:00 - 8/11/2016 06:00

Job Category			Primary Job Type			AFE Number		
ORIG COMPLETION			OCM			038162		
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig			
110	13	0.0						

Operations Summary

WSI waiting on Frac Ops.

Remarks

Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837
Working Tanks-530,443,544,589,545, Gas buster (Bleed Off tank)-878.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/10/2016 06:00	8/11/2016 06:00	24	NONOPS	WELL SHUT IN	SHUT_IN	WSI/No activity.

Report #: 14 Daily Operation: 8/11/2016 06:00 - 8/12/2016 06:00

Job Category			Primary Job Type			AFE Number		
ORIG COMPLETION			OCM			038162		
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)		Rig		
111	14	0.0						

Operations Summary

Move in Nalco, lay containment and spot. Set anchors for gas buster bleed off. Rig up F2 flowback pop-offs on intermediate.

Remarks

Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837
Working Tanks-530,443,544,589,545, Gas buster (Bleed Off tank)-878.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/11/2016 06:00	8/11/2016 08:00	2	NONOPS	WELL SHUT IN	SHUT_IN	WSI/No activity.
8/11/2016 08:00	8/11/2016 08:15	0.25	NONOPS	NON ACTIVE DUE TO SAFETY EVENT	SAFETY	Hold PJSM with all vendors on location.
8/11/2016 08:15	8/11/2016 14:15	6	SETUP	RIG UP OR RIG DOWN	RURD	MIRU and lay containment for Nalco. F2 NU Pop-offs to Intermediate set for 2,500 psi.
8/11/2016 14:15	8/12/2016 06:00	15.75	NONOPS	WELL SHUT IN	SHUT_IN	WSI/No activity.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Report #: 15 Daily Operation: 8/12/2016 06:00 - 8/13/2016 06:00

Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 038162
Days From Spud (days) 112	Days on Location (days) 15	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, 1	

Operations Summary

MIRU PPS #1

Remarks

Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837
Working Tanks-530,443,544,589,545, Gas buster (Bleed Off tank)-878.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/12/2016 06:00	8/13/2016 06:00	24	SETUP	RIG UP OR RIG DOWN	RURD	MIRU PPS #1

Report #: 16 Daily Operation: 8/13/2016 06:00 - 8/14/2016 06:00

Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 038162
Days From Spud (days) 113	Days on Location (days) 16	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig DYNASTY WIRE LINE, <rigno>	

Operations Summary

MIRU PPS #1

Remarks

Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837
Working Tanks-530,443,544,589,545, Gas buster (Bleed Off tank)-878.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/13/2016 06:00	8/14/2016 06:00	24	SETUP	RIG UP OR RIG DOWN	RURD	MIRU PPS #1

Report #: 17 Daily Operation: 8/14/2016 06:00 - 8/15/2016 06:00

Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 038162
Days From Spud (days) 114	Days on Location (days) 17	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig DYNASTY WIRE LINE, <rigno>	

Operations Summary

Finish MIRU PPS #1 and all related equipment.

Remarks

Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837
Working Tanks-530,443,544,589,545, Gas buster (Bleed Off tank)-878.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/14/2016 06:00	8/14/2016 14:00	8	SETUP	RIG UP OR RIG DOWN	RURD	Finish RU PPS #1 and all related equipment.
8/14/2016 14:00	8/15/2016 06:00	16	NONOPS	WELL SHUT IN	SHUT_IN	WSI no activity.

Report #: 18 Daily Operation: 8/15/2016 06:00 - 8/16/2016 06:00

Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 038162
Days From Spud (days) 115	Days on Location (days) 18	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig DYNASTY WIRE LINE, <rigno>	

Operations Summary

Frac Stage 1, 2, 3
P&P Stage 2, 3

Remarks

Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837 Working Tanks-530,443,544,589,545, Gas buster (Bleed Off tank)-878.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/15/2016 06:00	8/15/2016 06:12	0.2	TEST	PRIME	TEST_P RIME	Prime Up
8/15/2016 06:12	8/15/2016 06:19	0.12	TEST	SURFACE LINES/PUMP	TEST_LI NE	Pressure Test.
8/15/2016 06:19	8/15/2016 09:01	2.71	FRAC	FRAC / STIM	STIM	Frac Stage 1. PTD
8/15/2016 09:01	8/15/2016 09:43	0.7	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU Lube
8/15/2016 09:43	8/15/2016 11:00	1.28	WIRELINE	RUN DOWN	WL_RUN DN	RIH

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/15/2016 11:00	8/15/2016 11:04	0.06	WIRELINE	PLUG/PERF	WL_PERF	P&P Stage 2 as design. plug set @ 19,384'
8/15/2016 11:04	8/15/2016 12:21	1.28	WIRELINE	RUN UP	WL_RUN UP	POOH
8/15/2016 12:21	8/15/2016 12:31	0.17	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube
8/15/2016 12:31	8/15/2016 16:31	4	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on ops
8/15/2016 16:31	8/15/2016 16:43	0.2	TEST	PRIME	TEST_PRIME	Prime Up
8/15/2016 16:43	8/15/2016 16:55	0.2	TEST	SURFACE LINES/PUMP	TEST_LINE	Pressure Test
8/15/2016 16:55	8/15/2016 19:34	2.65	FRAC	FRAC / STIM	STIM	Frac Stage 2. PTD
8/15/2016 19:34	8/15/2016 20:25	0.85	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU Lube
8/15/2016 20:25	8/15/2016 21:19	0.9	WIRELINE	RUN DOWN	WL_RUN DN	RIH
8/15/2016 21:19	8/15/2016 21:22	0.05	WIRELINE	PLUG/PERF	WL_PERF	Set Plug @ 19,144' Perf Stage 3
8/15/2016 21:22	8/15/2016 22:10	0.8	WIRELINE	RUN UP	WL_RUN UP	POOH
8/15/2016 22:10	8/15/2016 23:00	0.83	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on frac ops
8/15/2016 23:00	8/15/2016 23:10	0.17	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube
8/15/2016 23:10	8/16/2016 02:35	3.42	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on frac ops
8/16/2016 02:35	8/16/2016 02:47	0.2	FRAC	SWING IRON	IRON	Swing Iron
8/16/2016 02:47	8/16/2016 03:00	0.22	TEST	PRIME	TEST_PRIME	Prime Pumps
8/16/2016 03:00	8/16/2016 03:05	0.08	TEST	SURFACE LINES/PUMP	TEST_LINE	Test Lines
8/16/2016 03:05	8/16/2016 05:44	2.65	FRAC	FRAC / STIM	STIM	Frac Stage 3
8/16/2016 05:44	8/16/2016 06:00	0.26	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU Lube

Report #: 19 Daily Operation: 8/16/2016 06:00 - 8/17/2016 06:00

Job Category	Primary Job Type				AFE Number
ORIG COMPLETION	OCM				038162
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
116	19	0.0			DYNASTY WIRE LINE, <rigno>

Operations Summary

Frac Stage 4, 5 P &P Stage 4, 5, 6

Remarks

Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837

Working Tanks-530,443,544,589,545, Gas buster (Bleed Off tank)-878.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/16/2016 06:00	8/16/2016 06:55	0.92	WIRELINE	RUN DOWN	WL_RUN DN	
8/16/2016 06:55	8/16/2016 06:58	0.06	WIRELINE	PLUG/PERF	WL_PERF	Plug 4 set at 18,904'
8/16/2016 06:58	8/16/2016 07:52	0.9	WIRELINE	RUN UP	WL_RUN UP	
8/16/2016 07:52	8/16/2016 08:52	1	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 37H stim operations
8/16/2016 08:52	8/16/2016 09:07	0.25	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube
8/16/2016 09:07	8/16/2016 12:31	3.4	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 36H stim ops

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/16/2016 12:31	8/16/2016 12:43	0.2	TEST	PRIME	TEST_P RIME	Prime Up.
8/16/2016 12:43	8/16/2016 12:49	0.1	TEST	SURFACE LINES/PUMP	TEST_LI NE	Pressure Test
8/16/2016 12:49	8/16/2016 15:47	2.96	FRAC	FRAC / STIM	STIM	Frac Stage 4. PTD
8/16/2016 15:47	8/16/2016 16:23	0.6	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU Lube
8/16/2016 16:23	8/16/2016 17:02	0.65	WIRELINE	RUN DOWN	WL_RUN DN	RIH
8/16/2016 17:02	8/16/2016 17:07	0.09	WIRELINE	PLUG/PERF	WL_PER F	P&P Stage 5 as design. Plug set @ 18,664'
8/16/2016 17:07	8/16/2016 17:43	0.6	WIRELINE	RUN UP	WL_RUN UP	POOH
8/16/2016 17:43	8/16/2016 17:58	0.25	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	RD Lube
8/16/2016 17:58	8/16/2016 22:34	4.6	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on ops.
8/16/2016 22:34	8/16/2016 22:45	0.17	FRAC	SWING IRON	IRON	Swing Iron
8/16/2016 22:45	8/16/2016 22:55	0.17	TEST	PRIME	TEST_P RIME	Prime Pumps
8/16/2016 22:55	8/16/2016 23:04	0.15	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test Lines
8/16/2016 23:04	8/17/2016 01:40	2.6	FRAC	FRAC / STIM	STIM	Frac Stage 5
8/17/2016 01:40	8/17/2016 01:56	0.27	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU Lube
8/17/2016 01:56	8/17/2016 02:46	0.84	WIRELINE	RUN DOWN	WL_RUN DN	RIH
8/17/2016 02:46	8/17/2016 02:52	0.1	WIRELINE	PLUG/PERF	WL_PER F	Set Plug @ 18,424'
8/17/2016 02:52	8/17/2016 03:34	0.7	WIRELINE	RUN UP	WL_RUN UP	
8/17/2016 03:34	8/17/2016 05:15	1.67	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 27H stim ops
8/17/2016 05:15	8/17/2016 05:25	0.18	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	
8/17/2016 05:25	8/17/2016 06:00	0.57	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 26H stim ops

Report #: 20 Daily Operation: 8/17/2016 06:00 - 8/18/2016 06:00

Job Category	Primary Job Type	AFE Number
ORIG COMPLETION	OCM	038162
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)
117	20	0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
		DYNASTY WIRE LINE, <rigno>

Operations Summary

Frac Stage 6 & 7 of 41P Plug and Perf. Stg. 7 & 8 of 41

Remarks

Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837 Working Tanks-530,443,544,589,545, Gas buster (Bleed Off tank)-878.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/17/2016 06:00	8/17/2016 08:40	2.67	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	NON ACTIVE DUE TO PAD OPERATIONS
8/17/2016 08:40	8/17/2016 08:51	0.18	FRAC	SWING IRON	IRON	SWING IRON
8/17/2016 08:51	8/17/2016 08:52	0.03	TEST	PRIME	TEST_P RIME	PRIME
8/17/2016 08:52	8/17/2016 08:57	0.08	TEST	SURFACE LINES/PUMP	TEST_LI NE	SURFACE LINES/PUMP
8/17/2016 08:57	8/17/2016 14:13	5.27	FRAC	FRAC / STIM	STIM	FRAC / STIM. stg. 6

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/17/2016 14:13	8/17/2016 14:30	0.27	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RIG UP LUBRICATOR
8/17/2016 14:30	8/17/2016 15:28	0.97	WIRELINE	RUN DOWN	WL_RUN DN	RUN DOWN
8/17/2016 15:28	8/17/2016 15:34	0.1	WIRELINE	PLUG/PERF	WL_PERF	PLUG/PERF. stg 7 at 18,184'
8/17/2016 15:34	8/17/2016 16:18	0.73	WIRELINE	RUN UP	WL_RUN UP	RUN UP
8/17/2016 16:18	8/17/2016 17:48	1.5	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	NON ACTIVE DUE TO PAD OPERATIONS WAITING ON FRAC
8/17/2016 17:48	8/17/2016 17:54	0.1	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	R/D LUB
8/17/2016 17:54	8/17/2016 21:21	3.45	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	NON ACTIVE DUE TO PAD OPERATIONS
8/17/2016 21:21	8/17/2016 21:30	0.15	FRAC	SWING IRON	IRON	SWING IRON
8/17/2016 21:30	8/17/2016 22:10	0.67	TEST	PRIME	TEST_PRIME	PRIME
8/17/2016 22:10	8/17/2016 22:35	0.42	TEST	SURFACE LINES/PUMP	TEST_LINE	SURFACE LINES/PUMP
8/17/2016 22:35	8/18/2016 01:12	2.61	FRAC	FRAC / STIM	STIM	FRAC / STIM STG 7
8/18/2016 01:12	8/18/2016 01:30	0.3	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RIG UP LUBRICATOR
8/18/2016 01:30	8/18/2016 02:18	0.8	WIRELINE	RUN DOWN	WL_RUN DN	RUN DOWN
8/18/2016 02:18	8/18/2016 02:24	0.1	WIRELINE	PLUG/PERF	WL_PERF	PLUG/PERF. STG 8 of 41
8/18/2016 02:24	8/18/2016 03:07	0.73	WIRELINE	RUN UP	WL_RUN UP	RUN UP
8/18/2016 03:07	8/18/2016 04:37	1.5	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	NON ACTIVE DUE TO PAD OPERATIONS WAITING ON FRAC
8/18/2016 04:37	8/18/2016 04:43	0.1	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	R/D LUB
8/18/2016 04:43	8/18/2016 06:00	1.27	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	NON ACTIVE DUE TO PAD OPERATIONS
Report #: 21 Daily Operation: 8/18/2016 06:00 - 8/19/2016 06:00						
Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 038162
Days From Spud (days) 118	Days on Location (days) 21	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)		Dens Last Mud (lb/gal)	Rig DYNASTY WIRE LINE, <rigno>
Operations Summary Frac Stage 8 & 9 of 41 // Plug and Perf. Stg 9 & 10 of 41						
Remarks Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837 Working Tanks-530,443,544,589,545, Gas buster (Bleed Off tank)-878.						
Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/18/2016 06:00	8/18/2016 08:43	2.73	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 36H frac ops
8/18/2016 08:43	8/18/2016 08:53	0.167	FRAC	SWING IRON	IRON	
8/18/2016 08:53	8/18/2016 09:35	0.7	TEST	PRIME	TEST_PRIME	
8/18/2016 09:35	8/18/2016 09:45	0.16	TEST	SURFACE LINES/PUMP	TEST_LINE	
8/18/2016 09:45	8/18/2016 12:49	3.07	FRAC	FRAC / STIM	STIM	Stage 8
8/18/2016 12:49	8/18/2016 14:51	2.03	SETUP	FRAC STACK	FRAC_S TAC	Remove and replace both wing valves on flow cross -- Pumpdown side of cross
8/18/2016 14:51	8/18/2016 15:01	0.167	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/18/2016 15:01	8/18/2016 15:59	0.96	WIRELINE	RUN DOWN	WL_RUN DN	
8/18/2016 15:59	8/18/2016 16:02	0.06	WIRELINE	PLUG/PERF	WL_PER F	Plug 9 set at 17,700'
8/18/2016 16:02	8/18/2016 17:00	0.96	WIRELINE	RUN UP	WL_RUN UP	
8/18/2016 17:00	8/18/2016 18:27	1.45	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 37H stim ops
8/18/2016 18:27	8/18/2016 18:33	0.1	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	R/D LUB
8/18/2016 18:33	8/18/2016 21:57	3.41	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	NON ACTIVE DUE TO PAD OPERATIONS
8/18/2016 21:57	8/18/2016 22:06	0.15	FRAC	SWING IRON	IRON	SWING IRON
8/18/2016 22:06	8/18/2016 22:20	0.23	TEST	PRIME	TEST_P RIME	PRIME
8/18/2016 22:20	8/18/2016 22:34	0.23	TEST	SURFACE LINES/PUMP	TEST_LI NE	SURFACE LINES/PUMP
8/18/2016 22:34	8/19/2016 01:10	2.6	FRAC	FRAC / STIM	STIM	FRAC / STIM STG 9
8/19/2016 01:10	8/19/2016 01:25	0.25	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RIG UP LUBRICATOR
8/19/2016 01:25	8/19/2016 02:09	0.73	WIRELINE	RUN DOWN	WL_RUN DN	RUN DOWN
8/19/2016 02:09	8/19/2016 02:15	0.1	WIRELINE	PLUG/PERF	WL_PER F	PLUG/PERF. STG 10 of 41
8/19/2016 02:15	8/19/2016 02:59	0.73	WIRELINE	RUN UP	WL_RUN UP	RUN UP
8/19/2016 02:59	8/19/2016 04:29	1.5	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	NON ACTIVE DUE TO PAD OPERATIONS WAITING ON FRAC
8/19/2016 04:29	8/19/2016 04:35	0.1	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	R/D LUB
8/19/2016 04:35	8/19/2016 06:00	1.41 6	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	NON ACTIVE DUE TO PAD OPERATIONS

Report #: 22 Daily Operation: 8/19/2016 06:00 - 8/20/2016 06:00

Job Category ORIG COMPLETION	Primary Job Type OCM	AFE Number 038162
Days From Spud (days) 119	Days on Location (days) 22	End Depth (ftKB) 0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig DYNASTY WIRE LINE, <rigno>

Operations Summary

Frac Stage 10 & 11 of 41 // P & P Stage 11 & 12 of 41

Remarks

Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837 Working Tanks-530,443,544,589,545, Gas buster (Bleed Off tank)-878.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/19/2016 06:00	8/19/2016 07:30	1.5	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 36H stim ops
8/19/2016 07:30	8/19/2016 07:40	0.16 7	FRAC	SWING IRON	IRON	
8/19/2016 07:40	8/19/2016 08:22	0.7	TEST	PRIME	TEST_P RIME	
8/19/2016 08:22	8/19/2016 08:34	0.2	TEST	SURFACE LINES/PUMP	TEST_LI NE	
8/19/2016 08:34	8/19/2016 11:03	2.49	FRAC	FRAC / STIM	STIM	Stage 10
8/19/2016 11:03	8/19/2016 11:21	0.3	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	
8/19/2016 11:21	8/19/2016 12:14	0.89	WIRELINE	RUN DOWN	WL_RUN DN	
8/19/2016 12:14	8/19/2016 12:17	0.04	WIRELINE	PLUG/PERF	WL_PER F	Plug 11 set at 17,224'

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/19/2016 12:17	8/19/2016 13:17	1	WIRELINE	RUN UP	WL_RUN UP	
8/19/2016 13:17	8/19/2016 14:17	1	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 37H stim ops
8/19/2016 14:17	8/19/2016 14:22	0.08 3	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	
8/19/2016 14:22	8/19/2016 17:22	3	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 36 Stim ops
8/19/2016 17:22	8/19/2016 17:31	0.15	FRAC	SWING IRON	IRON	SWING IRON
8/19/2016 17:31	8/19/2016 21:27	3.93	TEST	PRIME	TEST_P RIME	PRIME
8/19/2016 21:27	8/19/2016 21:43	0.28	TEST	SURFACE LINES/PUMP	TEST_LI NE	SURFACE LINES/PUMP
8/19/2016 21:43	8/20/2016 00:23	2.66	FRAC	FRAC / STIM	STIM	FRAC / STIM STG 11 of 41
8/20/2016 00:23	8/20/2016 00:42	0.32	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RIG UP LUBRICATOR
8/20/2016 00:42	8/20/2016 01:28	0.77	WIRELINE	RUN DOWN	WL_RUN DN	RUN DOWN
8/20/2016 01:28	8/20/2016 01:34	0.1	WIRELINE	PLUG/PERF	WL_PER F	PLUG/PERF. STG 12 of 41
8/20/2016 01:34	8/20/2016 02:23	0.81	WIRELINE	RUN UP	WL_RUN UP	RUN UP
8/20/2016 02:23	8/20/2016 05:10	2.78	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	NON ACTIVE DUE TO PAD OPERATIONS WAITING ON FRAC
8/20/2016 05:10	8/20/2016 05:16	0.1	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	R/D LUB
8/20/2016 05:16	8/20/2016 06:00	0.73	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	NON ACTIVE DUE TO PAD OPERATIONS

Report #: 23 Daily Operation: 8/20/2016 06:00 - 8/21/2016 06:00

Job Category	Primary Job Type	AFE Number
ORIG COMPLETION	OCM	038162
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)
120	23	0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
		DYNASTY WIRE LINE, <rigno>

Operations Summary

Frac stage 12 & 13 of 41 // P & P Stage 13 & 14 of 41

Remarks

Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837 Working Tanks-530,443,544,589,545, Gas buster (Bleed Off tank)-878.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/20/2016 06:00	8/20/2016 08:24	2.4	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 36H stim ops
8/20/2016 08:24	8/20/2016 08:49	0.43	TEST	PRIME	TEST_P RIME	
8/20/2016 08:49	8/20/2016 09:19	0.5	TEST	SURFACE LINES/PUMP	TEST_LI NE	
8/20/2016 09:19	8/20/2016 11:44	2.41	FRAC	FRAC / STIM	STIM	Stage 12
8/20/2016 11:44	8/20/2016 11:49	0.08 3	FRAC	SWING IRON	IRON	
8/20/2016 11:49	8/20/2016 11:59	0.17	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	
8/20/2016 11:59	8/20/2016 12:45	0.76	WIRELINE	RUN DOWN	WL_RUN DN	
8/20/2016 12:45	8/20/2016 12:48	0.06	WIRELINE	PLUG/PERF	WL_PER F	Plug 13 set at 16,744'
8/20/2016 12:48	8/20/2016 13:34	0.76	WIRELINE	RUN UP	WL_RUN UP	
8/20/2016 13:34	8/20/2016 14:49	1.25	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 37H stim ops

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/20/2016 14:49	8/20/2016 14:54	0.08 3	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	
8/20/2016 14:54	8/20/2016 18:17	3.38	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 36H stim ops
8/20/2016 18:17	8/20/2016 18:26	0.15	FRAC	SWING IRON	IRON	SWING IRON
8/20/2016 18:26	8/20/2016 18:39	0.23	TEST	PRIME	TEST_P RIME	PRIME
8/20/2016 18:39	8/20/2016 18:51	0.2	TEST	SURFACE LINES/PUMP	TEST_LI NE	SURFACE LINES/PUMP
8/20/2016 18:51	8/20/2016 21:31	2.66	FRAC	FRAC / STIM	STIM	FRAC / STIM STG 13 of 41
8/20/2016 21:31	8/20/2016 21:41	0.17	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RIG UP LUBRICATOR
8/20/2016 21:41	8/20/2016 22:27	0.77	WIRELINE	RUN DOWN	WL_RUN DN	RUN DOWN
8/20/2016 22:27	8/20/2016 22:33	0.1	WIRELINE	PLUG/PERF	WL_PER F	PLUG/PERF. STG 14 of 41
8/20/2016 22:33	8/20/2016 23:19	0.76	WIRELINE	RUN UP	WL_RUN UP	RUN UP
8/20/2016 23:19	8/21/2016 00:45	1.44	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	NON ACTIVE DUE TO PAD OPERATIONS WAITING ON FRAC
8/21/2016 00:45	8/21/2016 00:51	0.1	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	R/D LUB
8/21/2016 00:51	8/21/2016 04:30	3.64	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	NON ACTIVE DUE TO PAD OPERATIONS
8/21/2016 04:30	8/21/2016 04:39	0.15	FRAC	SWING IRON	IRON	SWING IRON
8/21/2016 04:39	8/21/2016 05:09	0.5	TEST	PRIME	TEST_P RIME	PRIME
8/21/2016 05:09	8/21/2016 05:24	0.25	TEST	SURFACE LINES/PUMP	TEST_LI NE	SURFACE LINES/PUMP
8/21/2016 05:24	8/21/2016 06:00	0.6	FRAC	FRAC / STIM	STIM	FRAC / STIM STG 14 of 41

Report #: 24 Daily Operation: 8/21/2016 06:00 - 8/22/2016 06:00

Job Category ORIG COMPLETION	Primary Job Type OCM	AFE Number 038162
Days From Spud (days) 121	Days on Location (days) 24	End Depth (ftKB) 0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig DYNASTY WIRE LINE, <rigno>

Operations Summary

Frac Stage 14, 15 & 17 of 41 // P & P Stage 15 & 16 of 41

Remarks

Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837

Working Tanks-530,443,544,589,545, Gas buster (Bleed Off tank)-878.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/21/2016 06:00	8/21/2016 07:54	1.9	FRAC	FRAC / STIM	STIM	Stage 14
8/21/2016 07:54	8/21/2016 07:58	0.08 3	FRAC	SWING IRON	IRON	
8/21/2016 07:58	8/21/2016 08:10	0.19	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	
8/21/2016 08:10	8/21/2016 09:00	0.83	WIRELINE	RUN DOWN	WL_RUN DN	
8/21/2016 09:00	8/21/2016 09:03	0.06	WIRELINE	PLUG/PERF	WL_PER F	Plug 15 set at 16,264'
8/21/2016 09:03	8/21/2016 09:53	0.83	WIRELINE	RUN UP	WL_RUN UP	
8/21/2016 09:53	8/21/2016 11:02	1.15	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 37H stim ops
8/21/2016 11:02	8/21/2016 11:07	0.08 3	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/21/2016 11:07	8/21/2016 14:13	3.1	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 36H Stim ops
8/21/2016 14:13	8/21/2016 14:18	0.083	FRAC	SWING IRON	IRON	
8/21/2016 14:18	8/21/2016 14:42	0.4	TEST	PRIME	TEST_P RIME	
8/21/2016 14:42	8/21/2016 14:57	0.25	TEST	SURFACE LINES/PUMP	TEST_LI NE	
8/21/2016 14:57	8/21/2016 17:26	2.48	FRAC	FRAC / STIM	STIM	Stage 15
8/21/2016 17:26	8/21/2016 17:31	0.083	FRAC	SWING IRON	IRON	
8/21/2016 17:31	8/21/2016 20:55	3.4	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	NON ACTIVE DUE TO PAD OPERATIONS WAITING ON FRAC
8/21/2016 20:55	8/21/2016 21:37	0.71	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	REHEAD WIRELINE
8/21/2016 21:37	8/21/2016 21:48	0.17	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RIG UP LUBRICATOR
8/21/2016 21:48	8/21/2016 22:30	0.71	WIRELINE	RUN DOWN	WL_RUN DN	RUN DOWN
8/21/2016 22:30	8/21/2016 22:36	0.1	WIRELINE	PLUG/PERF	WL_PER F	PLUG/PERF. STG 16 of 41
8/21/2016 22:36	8/21/2016 23:22	0.76	WIRELINE	RUN UP	WL_RUN UP	RUN UP
8/21/2016 23:22	8/22/2016 00:42	1.33	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	NON ACTIVE DUE TO PAD OPERATIONS WAITING ON FRAC
8/22/2016 00:42	8/22/2016 00:48	0.1	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	R/D LUB
8/22/2016 00:48	8/22/2016 00:53	0.083	FRAC	SWING IRON	IRON	SWING IRON
8/22/2016 00:53	8/22/2016 01:47	0.9	TEST	PRIME	TEST_P RIME	PRIME PUMPS
8/22/2016 01:47	8/22/2016 02:02	0.25	TEST	SURFACE LINES/PUMP	TEST_LI NE	TEST TREATING LINES
8/22/2016 02:02	8/22/2016 04:38	2.61	FRAC	FRAC / STIM	STIM	STAGE 16
8/22/2016 04:38	8/22/2016 04:43	0.083	FRAC	SWING IRON	IRON	SWING IRON
8/22/2016 04:43	8/22/2016 06:00	1.272	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	NON ACTIVE DUE TO PAD OPERATIONS WAITING ON FRAC

Report #: 25 Daily Operation: 8/22/2016 06:00 - 8/23/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 038162	
Days From Spud (days) 122	Days on Location (days) 25	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig DYNASTY WIRE LINE, <rigno>		

Operations Summary

Wireline stage 17,18 & 19 of 41 // Frac stage 17, 18 of 41

Remarks

Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837 Working Tanks-530,443,544,589,545, Gas buster (Bleed Off tank)-878.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/22/2016 06:00	8/22/2016 08:00	2	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 36H Stim operations
8/22/2016 08:00	8/22/2016 08:48	0.8	WIRELINE	REHEAD	WL_REH EAD	Re-head cablehead
8/22/2016 08:48	8/22/2016 08:52	0.083	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	
8/22/2016 08:52	8/22/2016 09:33	0.68	WIRELINE	RUN DOWN	WL_RUN DN	
8/22/2016 09:33	8/22/2016 09:37	0.06	WIRELINE	PLUG/PERF	WL_PER F	Plug 17 set at 15,784'

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/22/2016 09:37	8/22/2016 10:18	0.68	WIRELINE	RUN UP	WL_RUN UP	
8/22/2016 10:18	8/22/2016 11:51	1.55	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 36H Stim operations
8/22/2016 11:51	8/22/2016 12:01	0.16	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	
8/22/2016 12:01	8/22/2016 17:46	5.75	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 36H Flowback / Clean out operations
8/22/2016 17:46	8/22/2016 17:51	0.08	FRAC	SWING IRON	IRON	SWING IRON
8/22/2016 17:51	8/22/2016 18:10	0.33	TEST	PRIME	TEST_P_RIME	PRIME PUMPS
8/22/2016 18:10	8/22/2016 18:25	0.25	TEST	SURFACE LINES/PUMP	TEST_LI NE	TEST TREATING LINES
8/22/2016 18:25	8/22/2016 21:06	2.68	FRAC	FRAC / STIM	STIM	STAGE 17
8/22/2016 21:06	8/22/2016 21:11	0.08	FRAC	SWING IRON	IRON	SWING IRON
8/22/2016 21:11	8/22/2016 21:21	0.17	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RIG UP LUBRICATOR
8/22/2016 21:21	8/22/2016 22:04	0.71	WIRELINE	RUN DOWN	WL_RUN DN	RUN DOWN
8/22/2016 22:04	8/22/2016 22:10	0.1	WIRELINE	PLUG/PERF	WL_PER F	PLUG/PERF. STG 18 of 41
8/22/2016 22:10	8/22/2016 22:56	0.76	WIRELINE	RUN UP	WL_RUN UP	RUN UP
8/22/2016 22:56	8/23/2016 00:23	1.46	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	NON ACTIVE DUE TO PAD OPERATIONS WAITING ON FRAC
8/23/2016 00:23	8/23/2016 00:29	0.1	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	R/D LUB
8/23/2016 00:29	8/23/2016 01:17	0.8	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	Re-head cablehead
8/23/2016 01:17	8/23/2016 01:23	0.1	TEST	PRIME	TEST_P_RIME	PRIME PUMPS
8/23/2016 01:23	8/23/2016 01:34	0.18	TEST	SURFACE LINES/PUMP	TEST_LI NE	TEST TREATING LINES
8/23/2016 01:34	8/23/2016 04:11	2.61	FRAC	FRAC / STIM	STIM	STAGE 17
8/23/2016 04:11	8/23/2016 04:16	0.08	FRAC	SWING IRON	IRON	SWING IRON
8/23/2016 04:16	8/23/2016 04:37	0.35	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RIG UP LUBRICATOR
8/23/2016 04:37	8/23/2016 05:28	0.86	WIRELINE	RUN DOWN	WL_RUN DN	RUN DOWN
8/23/2016 05:28	8/23/2016 05:31	0.05	WIRELINE	PLUG/PERF	WL_PER F	PLUG/PERF. STG 19 of 41
8/23/2016 05:31	8/23/2016 06:00	0.48	WIRELINE	RUN UP	WL_RUN UP	RUN UP

Report #: 26 Daily Operation: 8/23/2016 06:00 - 8/24/2016 06:00

Job Category	Primary Job Type	AFE Number
ORIG COMPLETION	OCM	038162
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)
123	26	0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
		DYNASTY WIRE LINE, <rigno>

Operations Summary

RD lubricator, wait on CT operations on adjacent well

Remarks

Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837

Working Tanks-530,443,544,589,545, Gas buster (Bleed Off tank)-878.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/23/2016 06:00	8/23/2016 08:20	2.34	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 37H Stim ops

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/23/2016 08:20	8/23/2016 08:25	0.08 3	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	
8/23/2016 08:25	8/24/2016 06:00	21.5 8	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on CTU operations on 37H

Report #: 27 Daily Operation: 8/24/2016 06:00 - 8/25/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 038162
Days From Spud (days) 124	Days on Location (days) 27	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig DYNASTY WIRE LINE, <rigno>	

Operations Summary

Frac Stage 19,20

P&P Stage 20,21

Remarks

Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837

Working Tanks-530,443,544,589,545, Gas buster (Bleed Off tank)-878.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/24/2016 06:00	8/24/2016 07:56	1.94	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Stand-by to R/D coil and R/U wireline
8/24/2016 07:56	8/24/2016 08:10	0.23	FRAC	SWING IRON	IRON	Change over
8/24/2016 08:10	8/24/2016 08:30	0.33	TEST	PRIME	TEST_P RIME	Prime up
8/24/2016 08:30	8/24/2016 08:49	0.33	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test
8/24/2016 08:49	8/24/2016 11:30	2.67	FRAC	FRAC / STIM	STIM	Stage 19 of 41
8/24/2016 11:30	8/24/2016 14:31	3.03	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait in stim ops on 36H
8/24/2016 14:31	8/24/2016 14:48	0.27	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	R/U lube
8/24/2016 14:48	8/24/2016 15:37	0.82	WIRELINE	RUN DOWN	WL_RUN DN	RIH
8/24/2016 15:37	8/24/2016 15:43	0.1	WIRELINE	PLUG/PERF	WL_PER F	Set plug @ 15,062' perforated stage 20 to design
8/24/2016 15:43	8/24/2016 16:10	0.45	WIRELINE	RUN UP	WL_RUN UP	POOH
8/24/2016 16:10	8/24/2016 17:52	1.7	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	Wait @ 200' on stim ops on 37H
8/24/2016 17:52	8/24/2016 18:00	0.14	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	R/D lube
8/24/2016 18:00	8/24/2016 18:06	0.1	TEST	PRIME	TEST_P RIME	Prime pumps
8/24/2016 18:06	8/24/2016 18:36	0.5	TEST	SURFACE LINES/PUMP	TEST_LI NE	Pressure test surface iron
8/24/2016 18:36	8/24/2016 21:15	2.65	FRAC	FRAC / STIM	STIM	Frac stg 20/41 PTD
8/24/2016 21:15	8/25/2016 01:44	4.48	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Down for lightning and wait on 36H & 37H frac ops
8/25/2016 01:44	8/25/2016 01:50	0.1	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU lube
8/25/2016 01:50	8/25/2016 02:29	0.65	WIRELINE	RUN DOWN	WL_RUN DN	RIH w/ WL
8/25/2016 02:29	8/25/2016 02:35	0.1	WIRELINE	PLUG/PERF	WL_PER F	P&P stg 21/41 PTD, set plug @ 14,824'
8/25/2016 02:35	8/25/2016 03:14	0.65	WIRELINE	RUN UP	WL_RUN UP	POOH w/ WL
8/25/2016 03:14	8/25/2016 04:48	1.56	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 37H frac ops
8/25/2016 04:48	8/25/2016 04:54	0.1	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD lube
8/25/2016 04:54	8/25/2016 05:00	0.1	TEST	PRIME	TEST_P RIME	Prime pumps

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/25/2016 05:00	8/25/2016 05:12	0.2	TEST	SURFACE LINES/PUMP	TEST_LI NE	Pressure test surface iron
8/25/2016 05:12	8/25/2016 06:00	0.8	FRAC	FRAC / STIM	STIM	Begin stg 21/41

Report #: 28 Daily Operation: 8/25/2016 06:00 - 8/26/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 038162
Days From Spud (days) 125	Days on Location (days) 28	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig DYNASTY WIRE LINE, <rigno>	

Operations Summary

Frac Stage 21,22,23

P&P Stage 22,23

Remarks

Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837

Working Tanks-530,443,544,589,545, Gas buster (Bleed Off tank)-878.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/25/2016 06:00	8/25/2016 07:53	1.89	FRAC	FRAC / STIM	STIM	Cont. Stage 21
8/25/2016 07:53	8/25/2016 11:10	3.28	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 36H
8/25/2016 11:10	8/25/2016 11:30	0.33	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU lube
8/25/2016 11:30	8/25/2016 12:20	0.84	WIRELINE	RUN DOWN	WL_RUN DN	RIH w/ WL
8/25/2016 12:20	8/25/2016 12:25	0.08	WIRELINE	PLUG/PERF	WL_PERF	Plug @ 14,580', perforated stage 22.
8/25/2016 12:25	8/25/2016 12:52	0.45	WIRELINE	RUN UP	WL_RUN UP	POOH w/ WL
8/25/2016 12:52	8/25/2016 14:21	1.48	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	37H Stim operations
8/25/2016 14:21	8/25/2016 14:26	0.09	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD lube
8/25/2016 14:26	8/25/2016 14:40	0.23	FRAC	SWING IRON	IRON	Swing iron
8/25/2016 14:40	8/25/2016 15:18	0.63	TEST	PRIME	TEST_P RIME	Prime pumps
8/25/2016 15:18	8/25/2016 15:25	0.12	TEST	SURFACE LINES/PUMP	TEST_LI NE	Pressure test surface iron
8/25/2016 15:25	8/25/2016 17:58	2.56	FRAC	FRAC / STIM	STIM	Pump stage 22/41 PTD
8/25/2016 17:58	8/25/2016 22:00	4.02	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	SD for lightning in the area, 36H & 37H frac ops
8/25/2016 22:00	8/25/2016 22:15	0.25	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU lube
8/25/2016 22:15	8/25/2016 23:00	0.75	WIRELINE	RUN DOWN	WL_RUN DN	RIH w/ WL
8/25/2016 23:00	8/25/2016 23:06	0.1	WIRELINE	PLUG/PERF	WL_PERF	P&P stg 23/41, set plug @14,344'
8/25/2016 23:06	8/25/2016 23:51	0.75	WIRELINE	RUN UP	WL_RUN UP	POOH w/ WL
8/25/2016 23:51	8/26/2016 01:40	1.82	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 36H frac ops
8/26/2016 01:40	8/26/2016 01:46	0.1	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD lube
8/26/2016 01:46	8/26/2016 01:52	0.1	FRAC	SWING IRON	IRON	Swing iron
8/26/2016 01:52	8/26/2016 01:58	0.1	TEST	PRIME	TEST_P RIME	Prime pumps
8/26/2016 01:58	8/26/2016 02:11	0.22	TEST	SURFACE LINES/PUMP	TEST_LI NE	Pressure test surface iron
8/26/2016 02:11	8/26/2016 04:46	2.58	FRAC	FRAC / STIM	STIM	Frac stg 23/41 PTD

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/26/2016 04:46	8/26/2016 06:00	1.23	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 36H & 37H frac ops

Report #: 29 Daily Operation: 8/26/2016 06:00 - 8/27/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 038162
Days From Spud (days) 126	Days on Location (days) 29	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig DYNASTY WIRE LINE, <rigno>	

Operations Summary

Frac Stage 24
P&P Stage 24,25

Remarks

Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837 Working Tanks-530,443,544,589,545, Gas buster (Bleed Off tank)-878.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/26/2016 06:00	8/26/2016 07:46	1.78	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on stim ops
8/26/2016 07:46	8/26/2016 08:09	0.37	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	R/U Lube
8/26/2016 08:09	8/26/2016 08:49	0.67	WIRELINE	RUN DOWN	WL_RUN DN	RIH
8/26/2016 08:49	8/26/2016 08:56	0.12	WIRELINE	PLUG/PERF	WL_PERF	Set plug @ 14,104
8/26/2016 08:56	8/26/2016 09:16	0.33	WIRELINE	RUN UP	WL_RUN UP	POOH
8/26/2016 09:16	8/26/2016 09:26	0.17	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	R/D Lube
8/26/2016 09:26	8/26/2016 18:35	9.15	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on stim ops
8/26/2016 18:35	8/26/2016 18:41	0.1	FRAC	SWING IRON	IRON	Swing iron
8/26/2016 18:41	8/26/2016 18:50	0.15	TEST	PRIME	TEST_P RIME	Prime pumps
8/26/2016 18:50	8/26/2016 19:50	1	TEST	SURFACE LINES/PUMP	TEST_LI NE	Pressure test surface iron, swap out 2 HP seals
8/26/2016 19:50	8/26/2016 22:27	2.62	FRAC	FRAC / STIM	STIM	Frac stg 24/41 PTD
8/26/2016 22:27	8/26/2016 22:45	0.3	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU lube
8/26/2016 22:45	8/26/2016 23:31	0.77	WIRELINE	RUN DOWN	WL_RUN DN	RIH w/ WL
8/26/2016 23:31	8/26/2016 23:37	0.1	WIRELINE	PLUG/PERF	WL_PERF	P&P stg 25/41, set plug @ 13,864'
8/26/2016 23:37	8/27/2016 00:22	0.75	WIRELINE	RUN UP	WL_RUN UP	POOH w/ WL
8/27/2016 00:22	8/27/2016 02:20	1.96	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 37H frac ops
8/27/2016 02:20	8/27/2016 02:26	0.1	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD lube
8/27/2016 02:26	8/27/2016 05:02	2.6	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 36H frac ops
8/27/2016 05:02	8/27/2016 05:08	0.1	FRAC	SWING IRON	IRON	Swing iron
8/27/2016 05:08	8/27/2016 05:20	0.2	TEST	PRIME	TEST_P RIME	Prime pumps
8/27/2016 05:20	8/27/2016 05:50	0.5	TEST	SURFACE LINES/PUMP	TEST_LI NE	Pressure test surface iron
8/27/2016 05:50	8/27/2016 06:00	0.16	FRAC	FRAC / STIM	STIM	Begin pumping stage 25/41

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Report #: 30 Daily Operation: 8/27/2016 06:00 - 8/28/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 038162
Days From Spud (days) 127	Days on Location (days) 30	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig DYNASTY WIRE LINE, <rigno>	

Operations Summary

Frac Stage 25,26,27

P&P Stage 26,27

Remarks

Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837

Working Tanks-530,443,544,589,545, Gas buster (Bleed Off tank)-878.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/27/2016 06:00	8/27/2016 06:46	0.78	TEST	PRIME	TEST_P RIME	Prime up
8/27/2016 06:46	8/27/2016 06:57	0.17	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test
8/27/2016 06:57	8/27/2016 09:25	2.48	FRAC	FRAC / STIM	STIM	Stage 25 of 41
8/27/2016 09:25	8/27/2016 09:42	0.27	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	R/U Lube
8/27/2016 09:42	8/27/2016 10:21	0.65	WIRELINE	RUN DOWN	WL_RUN DN	RIH
8/27/2016 10:21	8/27/2016 10:28	0.12	WIRELINE	PLUG/PERF	WL_PER F	Set plug @ 13,624'
8/27/2016 10:28	8/27/2016 11:01	0.55	WIRELINE	RUN UP	WL_RUN UP	POOH
8/27/2016 11:01	8/27/2016 12:30	1.48	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on stim ops on 37H
8/27/2016 12:30	8/27/2016 12:42	0.2	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	R/D Lube
8/27/2016 12:42	8/27/2016 15:58	3.27	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on stim ops on 36H
8/27/2016 15:58	8/27/2016 16:08	0.17	FRAC	SWING IRON	IRON	Swing iron
8/27/2016 16:08	8/27/2016 16:41	0.55	TEST	PRIME	TEST_P RIME	Prime pumps
8/27/2016 16:41	8/27/2016 16:47	0.1	TEST	SURFACE LINES/PUMP	TEST_LI NE	Pressure test surface iron
8/27/2016 16:47	8/27/2016 19:18	2.52	FRAC	FRAC / STIM	STIM	Frac stg 26/41 PTD
8/27/2016 19:18	8/27/2016 19:30	0.2	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU lube
8/27/2016 19:30	8/27/2016 20:26	0.93	WIRELINE	RUN DOWN	WL_RUN DN	RIH w/ WL
8/27/2016 20:26	8/27/2016 20:32	0.1	WIRELINE	PLUG/PERF	WL_PER F	P&P stg 27/41, set plug @ 13,384'
8/27/2016 20:32	8/27/2016 21:17	0.75	WIRELINE	RUN UP	WL_RUN UP	POOH w/ WL
8/27/2016 21:17	8/27/2016 22:35	1.3	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 37H frac ops
8/27/2016 22:35	8/27/2016 22:41	0.1	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	RD lube
8/27/2016 22:41	8/28/2016 01:59	3.3	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 36H frac ops
8/28/2016 01:59	8/28/2016 02:05	0.1	FRAC	SWING IRON	IRON	Swing iron
8/28/2016 02:05	8/28/2016 02:35	0.5	TEST	PRIME	TEST_P RIME	Prime pumps
8/28/2016 02:35	8/28/2016 02:50	0.25	TEST	SURFACE LINES/PUMP	TEST_LI NE	Pressure test surface iron
8/28/2016 02:50	8/28/2016 05:20	2.5	FRAC	FRAC / STIM	STIM	Frac stg 27/41 PTD
8/28/2016 05:20	8/28/2016 05:26	0.1	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU lube

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/28/2016 05:26	8/28/2016 06:00	0.56	WIRELINE	RUN DOWN	WL_RUN DN	RIH w/ WL

Report #: 31 Daily Operation: 8/28/2016 06:00 - 8/29/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 038162
Days From Spud (days) 128	Days on Location (days) 31	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig DYNASTY WIRE LINE, <rigno>	

Operations Summary
Frac Stage 28,29
P&P Stage 28,29

Remarks
Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837 Working Tanks-530,443,544,589,545, Gas buster (Bleed Off tank)-878.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/28/2016 06:00	8/28/2016 06:15	0.25	WIRELINE	RUN DOWN	WL_RUN DN	Cont to RIH
8/28/2016 06:15	8/28/2016 06:22	0.12	WIRELINE	PLUG/PERF	WL_PERF	Set plug @ 13,140'
8/28/2016 06:22	8/28/2016 06:40	0.3	WIRELINE	RUN UP	WL_RUN UP	POOH
8/28/2016 06:40	8/28/2016 09:26	2.77	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on stim ops on 37H
8/28/2016 09:26	8/28/2016 09:35	0.15	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	R/D Lube
8/28/2016 09:35	8/28/2016 12:49	3.23	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on stim ops on 36H
8/28/2016 12:49	8/28/2016 12:59	0.17	FRAC	SWING IRON	IRON	Swing iron
8/28/2016 12:59	8/28/2016 13:34	0.58	TEST	PRIME	TEST_PRIME	Prime pumps
8/28/2016 13:34	8/28/2016 13:47	0.22	TEST	SURFACE LINES/PUMP	TEST_LINE	Pressure test surface iron
8/28/2016 13:47	8/28/2016 16:19	2.53	FRAC	FRAC / STIM	STIM	Frac stg 28/41 PTD
8/28/2016 16:19	8/28/2016 16:35	0.27	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU lube
8/28/2016 16:35	8/28/2016 17:11	0.6	WIRELINE	RUN DOWN	WL_RUN DN	RIH w/ WL
8/28/2016 17:11	8/28/2016 17:17	0.1	WIRELINE	PLUG/PERF	WL_PERF	P&P stg 29/41, set plug @ 12,904'
8/28/2016 17:17	8/28/2016 17:53	0.6	WIRELINE	RUN UP	WL_RUN UP	POOH w/ WL
8/28/2016 17:53	8/28/2016 20:45	2.86	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	37H stim ops
8/28/2016 20:45	8/28/2016 20:51	0.1	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD lube
8/28/2016 20:51	8/29/2016 00:00	3.15	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	36H frac ops
8/29/2016 00:00	8/29/2016 00:06	0.1	FRAC	SWING IRON	IRON	Swing iron
8/29/2016 00:06	8/29/2016 00:21	0.25	TEST	PRIME	TEST_PRIME	Prime pumps
8/29/2016 00:21	8/29/2016 00:27	0.1	TEST	SURFACE LINES/PUMP	TEST_LINE	Pressure test surface iron
8/29/2016 00:27	8/29/2016 03:05	2.64	FRAC	FRAC / STIM	STIM	Frac stg 29/41 PTD
8/29/2016 03:05	8/29/2016 05:00	1.91	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	SD for lightning in the area
8/29/2016 05:00	8/29/2016 05:06	0.1	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU lube
8/29/2016 05:06	8/29/2016 06:00	0.9	WIRELINE	RUN DOWN	WL_RUN DN	RIH w/ WL

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Report #: 32 Daily Operation: 8/29/2016 06:00 - 8/30/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 038162
Days From Spud (days) 129	Days on Location (days) 32	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig DYNASTY WIRE LINE, <rigno>	

Operations Summary

Frac Stage 30,31

P&P Stage 30,31,32

Remarks

Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837

Working Tanks-530,443,544,589,545, Gas buster (Bleed Off tank)-878.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/29/2016 06:00	8/29/2016 06:06	0.1	WIRELINE	PLUG/PERF	WL_PERF	Plug @ 12,664', perforated stage 30 to design
8/29/2016 06:06	8/29/2016 06:31	0.43	WIRELINE	RUN UP	WL_RUN UP	
8/29/2016 06:31	8/29/2016 08:21	1.83	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	37H Stim ops
8/29/2016 08:21	8/29/2016 08:28	0.12	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	
8/29/2016 08:28	8/29/2016 11:15	2.78	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	36H & 37H well operations
8/29/2016 11:15	8/29/2016 11:24	0.15	FRAC	SWING IRON	IRON	Change over
8/29/2016 11:24	8/29/2016 11:45	0.35	TEST	PRIME	TEST_P RIME	Prime up
8/29/2016 11:45	8/29/2016 11:53	0.13	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test
8/29/2016 11:53	8/29/2016 14:22	2.48	FRAC	FRAC / STIM	STIM	Stage 30 of 41
8/29/2016 14:22	8/29/2016 15:25	1.05	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Shut down due to weather
8/29/2016 15:25	8/29/2016 15:50	0.42	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	R/U Lube
8/29/2016 15:50	8/29/2016 16:23	0.55	WIRELINE	RUN DOWN	WL_RUN DN	RIH
8/29/2016 16:23	8/29/2016 16:30	0.12	WIRELINE	PLUG/PERF	WL_PERF	Set plug @ 12,424'
8/29/2016 16:30	8/29/2016 17:01	0.52	WIRELINE	RUN UP	WL_RUN UP	POOH
8/29/2016 17:01	8/29/2016 18:21	1.32	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on stim ops
8/29/2016 18:21	8/29/2016 18:27	0.1	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	R/D Lube
8/29/2016 18:27	8/29/2016 21:45	3.3	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on stim ops
8/29/2016 21:45	8/29/2016 21:51	0.1	FRAC	SWING IRON	IRON	Swing iron
8/29/2016 21:51	8/29/2016 22:33	0.7	TEST	PRIME	TEST_P RIME	Prime pumps
8/29/2016 22:33	8/29/2016 22:39	0.1	TEST	SURFACE LINES/PUMP	TEST_LI NE	Pressure test surface iron
8/29/2016 22:39	8/30/2016 02:27	3.8	FRAC	FRAC / STIM	STIM	Frac stg 31/41,
8/30/2016 02:27	8/30/2016 03:00	0.55	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU lube
8/30/2016 03:00	8/30/2016 03:38	0.64	WIRELINE	RUN DOWN	WL_RUN DN	RIH w/ WL
8/30/2016 03:38	8/30/2016 03:44	0.1	WIRELINE	PLUG/PERF	WL_PERF	P&P stg 32/41, set plug @ 12,184'
8/30/2016 03:44	8/30/2016 04:23	0.65	WIRELINE	RUN UP	WL_RUN UP	POOH w/ WL
8/30/2016 04:23	8/30/2016 05:41	1.3	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 37H frac ops

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/30/2016 05:41	8/30/2016 05:47	0.1	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD lube
8/30/2016 05:47	8/30/2016 06:00	0.22	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 36H frac ops

Report #: 33 Daily Operation: 8/30/2016 06:00 - 8/31/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 038162
Days From Spud (days) 130	Days on Location (days) 33	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig DYNASTY WIRE LINE, <rigno>	

Operations Summary

Frac Stage 32, 33

P&P Stage 33, 34

Remarks

Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837

Working Tanks-530,443,544,589,545, Gas buster (Bleed Off tank)-878.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/30/2016 06:00	8/30/2016 11:04	5.08	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	36H & 37H well operations
8/30/2016 11:04	8/30/2016 11:15	0.17	FRAC	SWING IRON	IRON	Swing iron
8/30/2016 11:15	8/30/2016 11:34	0.33	TEST	PRIME	TEST_P_RIME	Prime pumps
8/30/2016 11:34	8/30/2016 12:07	0.55	TEST	SURFACE LINES/PUMP	TEST_LI_NE	Pressure test surface iron
8/30/2016 12:07	8/30/2016 14:33	2.42	FRAC	FRAC / STIM	STIM	Stage 32 of 41
8/30/2016 14:33	8/30/2016 14:50	0.29	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU lube
8/30/2016 14:50	8/30/2016 15:19	0.48	WIRELINE	RUN DOWN	WL_RUN_DN	RIH w/ WL
8/30/2016 15:19	8/30/2016 15:25	0.1	WIRELINE	PLUG/PERF	WL_PERF	11,948', perforated stage 33 to design
8/30/2016 15:25	8/30/2016 15:45	0.34	WIRELINE	RUN UP	WL_RUN_UP	POOH w/ WL
8/30/2016 15:45	8/30/2016 18:56	3.18	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 37H frac ops
8/30/2016 18:56	8/30/2016 19:02	0.1	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD lube
8/30/2016 19:02	8/30/2016 23:53	4.85	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	36H well operations
8/30/2016 23:53	8/30/2016 23:59	0.1	FRAC	SWING IRON	IRON	Swing iron
8/30/2016 23:59	8/31/2016 00:23	0.4	TEST	PRIME	TEST_P_RIME	Prime pumps
8/31/2016 00:23	8/31/2016 00:29	0.1	TEST	SURFACE LINES/PUMP	TEST_LI_NE	Pressure test surface iron
8/31/2016 00:29	8/31/2016 03:25	2.94	FRAC	FRAC / STIM	STIM	Frac stg 33/41 PTD
8/31/2016 03:25	8/31/2016 03:42	0.28	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU lube
8/31/2016 03:42	8/31/2016 04:19	0.62	WIRELINE	RUN DOWN	WL_RUN_DN	RIH w/ WL
8/31/2016 04:19	8/31/2016 04:25	0.1	WIRELINE	PLUG/PERF	WL_PERF	P&P stg 34/41, set plug @ 11,704'
8/31/2016 04:25	8/31/2016 05:04	0.65	WIRELINE	RUN UP	WL_RUN_UP	POOH w/ WL
8/31/2016 05:04	8/31/2016 06:00	0.93	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 37H frac ops

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Report #: 34 Daily Operation: 8/31/2016 06:00 - 9/1/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM		AFE Number 038162
Days From Spud (days) 131	Days on Location (days) 34	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig DYNASTY WIRE LINE, <rigno>

Operations Summary
Frac Stage 34, 35
P&P Stage 35, 36

Remarks
Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837 Working Tanks-530,443,544,589,545, Gas buster (Bleed Off tank)-878.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
8/31/2016 06:00	8/31/2016 10:20	4.34	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Waiting on 36H & 37H Ops
8/31/2016 10:20	8/31/2016 12:48	2.46	FRAC	FRAC / STIM	STIM	Frac Stg 34 of 41. PTD
8/31/2016 12:48	8/31/2016 13:01	0.23	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU Lube
8/31/2016 13:01	8/31/2016 13:37	0.6	WIRELINE	RUN DOWN	WL_RUN DN	RIH w/ WL
8/31/2016 13:37	8/31/2016 13:43	0.1	WIRELINE	PLUG/PERF	WL_PERF	Perf Stg 35 of 41. Set CFP @ 11,464'
8/31/2016 13:43	8/31/2016 15:58	2.24	WIRELINE	RUN UP	WL_RUN UP	POOH. Set @ 200'
8/31/2016 15:58	8/31/2016 16:07	0.15	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube
8/31/2016 16:07	8/31/2016 19:00	2.88	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Waiting on 37H & 36H Ops
8/31/2016 19:00	8/31/2016 19:16	0.28	FRAC	SWING IRON	IRON	
8/31/2016 19:16	8/31/2016 19:24	0.12	TEST	PRIME	TEST_PRIME	
8/31/2016 19:24	8/31/2016 19:38	0.24	TEST	SURFACE LINES/PUMP	TEST_LINE	
8/31/2016 19:38	8/31/2016 22:10	2.53	FRAC	FRAC / STIM	STIM	Stage 35 of 41
8/31/2016 22:10	8/31/2016 22:28	0.3	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	
8/31/2016 22:28	8/31/2016 23:01	0.55	WIRELINE	RUN DOWN	WL_RUN DN	
8/31/2016 23:01	8/31/2016 23:08	0.12	WIRELINE	PLUG/PERF	WL_PERF	Set plug @
8/31/2016 23:08	8/31/2016 23:30	0.37	WIRELINE	RUN UP	WL_RUN UP	
8/31/2016 23:30	9/1/2016 01:54	2.4	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on stim ops
9/1/2016 01:54	9/1/2016 02:06	0.2	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	
9/1/2016 02:06	9/1/2016 04:58	2.86	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on stim ops
9/1/2016 04:58	9/1/2016 05:18	0.33	FRAC	SWING IRON	IRON	
9/1/2016 05:18	9/1/2016 06:00	0.7	TEST	PRIME	TEST_PRIME	

Report #: 35 Daily Operation: 9/1/2016 06:00 - 9/2/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM		AFE Number 038162
Days From Spud (days) 132	Days on Location (days) 35	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig DYNASTY WIRE LINE, <rigno>

Operations Summary
Frac Stage 36,37,38
P&P Stage 37,38

Remarks
Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837 Working Tanks-530,443,544,589,545, Gas buster (Bleed Off tank)-878.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/1/2016 06:00	9/1/2016 07:27	1.45	TEST	PRIME	TEST_P RIME	
9/1/2016 07:27	9/1/2016 07:36	0.16	TEST	SURFACE LINES/PUMP	TEST_LI NE	
9/1/2016 07:36	9/1/2016 10:13	2.62	FRAC	FRAC / STIM	STIM	Frac Stage 36
9/1/2016 10:13	9/1/2016 10:27	0.23	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	
9/1/2016 10:27	9/1/2016 11:00	0.55	WIRELINE	RUN DOWN	WL_RUN DN	
9/1/2016 11:00	9/1/2016 11:06	0.09	WIRELINE	PLUG/PERF	WL_PER F	Set Plug @ 10,984'
9/1/2016 11:06	9/1/2016 11:30	0.4	WIRELINE	RUN UP	WL_RUN UP	
9/1/2016 11:30	9/1/2016 11:40	0.17	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	
9/1/2016 11:40	9/1/2016 17:10	5.5	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on Frac Ops on the 36H
9/1/2016 17:10	9/1/2016 17:20	0.17	FRAC	SWING IRON	IRON	
9/1/2016 17:20	9/1/2016 17:30	0.17	TEST	PRIME	TEST_P RIME	
9/1/2016 17:30	9/1/2016 17:42	0.2	TEST	SURFACE LINES/PUMP	TEST_LI NE	
9/1/2016 17:42	9/1/2016 20:17	2.58	FRAC	FRAC / STIM	STIM	Stage 37 of 41
9/1/2016 20:17	9/1/2016 20:33	0.27	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	
9/1/2016 20:33	9/1/2016 21:10	0.62	WIRELINE	RUN DOWN	WL_RUN DN	
9/1/2016 21:10	9/1/2016 21:16	0.1	WIRELINE	PLUG/PERF	WL_PER F	Plug @ 10,744'
9/1/2016 21:16	9/1/2016 21:36	0.32	WIRELINE	RUN UP	WL_RUN UP	
9/1/2016 21:36	9/2/2016 00:00	2.4	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	37H Stim ops
9/2/2016 00:00	9/2/2016 00:10	0.17	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	
9/2/2016 00:10	9/2/2016 03:05	2.92	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	36H & 37H well operations
9/2/2016 03:05	9/2/2016 03:15	0.17	FRAC	SWING IRON	IRON	
9/2/2016 03:15	9/2/2016 03:25	0.17	TEST	PRIME	TEST_P RIME	
9/2/2016 03:25	9/2/2016 03:30	0.08	TEST	SURFACE LINES/PUMP	TEST_LI NE	
9/2/2016 03:30	9/2/2016 06:00	2.5	FRAC	FRAC / STIM	STIM	Stage 38 of 41

Report #: 36 Daily Operation: 9/2/2016 06:00 - 9/3/2016 06:00

Job Category	Primary Job Type	AFE Number
ORIG COMPLETION	OCM	038162
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)
133	36	0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
		DYNASTY WIRE LINE, <rigno>

Operations Summary

Frac Stage 39, 40
P&P Stage 39,40, 41

Remarks

Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837 Working Tanks-530,443,544,589,545, Gas buster (Bleed Off tank)-878.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/2/2016 06:00	9/2/2016 06:19	0.32	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU Lube
9/2/2016 06:19	9/2/2016 06:51	0.53	WIRELINE	RUN DOWN	WL_RUN DN	RIH w/ WL
9/2/2016 06:51	9/2/2016 06:57	0.1	WIRELINE	PLUG/PERF	WL_PER F	Perf Stg 39 of 41. Set CFP @ 10,504'

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/2/2016 06:57	9/2/2016 09:09	2.2	WIRELINE	RUN UP	WL_RUN UP	POOH. Hold @ 200'
9/2/2016 09:09	9/2/2016 09:21	0.2	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube
9/2/2016 09:21	9/2/2016 12:23	3.04	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Waiting on 37H/36H Ops
9/2/2016 12:23	9/2/2016 12:33	0.17	FRAC	SWING IRON	IRON	
9/2/2016 12:33	9/2/2016 13:12	0.65	TEST	PRIME	TEST_P RIME	
9/2/2016 13:12	9/2/2016 13:15	0.04	TEST	SURFACE LINES/PUMP	TEST_LI NE	
9/2/2016 13:15	9/2/2016 15:44	2.49	FRAC	FRAC / STIM	STIM	Frac Stage 39
9/2/2016 15:44	9/2/2016 15:57	0.21	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	
9/2/2016 15:57	9/2/2016 16:27	0.5	WIRELINE	RUN DOWN	WL_RUN DN	
9/2/2016 16:27	9/2/2016 16:33	0.1	WIRELINE	PLUG/PERF	WL_PER F	Set plug @ 10,264'
9/2/2016 16:33	9/2/2016 17:01	0.48	WIRELINE	RUN UP	WL_RUN UP	
9/2/2016 17:01	9/2/2016 19:34	2.55	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on Frac Ops on the 37H
9/2/2016 19:34	9/2/2016 19:43	0.15	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	
9/2/2016 19:43	9/2/2016 22:33	2.83	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on the Frac Ops on the 36H
9/2/2016 22:33	9/2/2016 22:44	0.18	FRAC	SWING IRON	IRON	
9/2/2016 22:44	9/2/2016 22:55	0.18	TEST	PRIME	TEST_P RIME	
9/2/2016 22:55	9/2/2016 23:04	0.15	TEST	SURFACE LINES/PUMP	TEST_LI NE	
9/2/2016 23:04	9/3/2016 01:30	2.43	FRAC	FRAC / STIM	STIM	Stage 40 of 41
9/3/2016 01:30	9/3/2016 01:45	0.25	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	
9/3/2016 01:45	9/3/2016 02:16	0.53	WIRELINE	RUN DOWN	WL_RUN DN	
9/3/2016 02:16	9/3/2016 02:24	0.12	WIRELINE	PLUG/PERF	WL_PER F	Set plug @ 10,024'
9/3/2016 02:24	9/3/2016 02:52	0.47	WIRELINE	RUN UP	WL_RUN UP	
9/3/2016 02:52	9/3/2016 04:28	1.6	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	
9/3/2016 04:28	9/3/2016 04:41	0.22	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	
9/3/2016 04:41	9/3/2016 06:00	1.32	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	
Report #: 37 Daily Operation: 9/3/2016 06:00 - 9/4/2016 06:00						
Job Category				Primary Job Type		AFE Number
ORIG COMPLETION				OCM		038162
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
134	37	0.0			DYNASTY WIRE LINE, <rigno>	
Operations Summary						
Frac Stage 41						
WSI, RDMO Stim and support equipment						
Remarks						
Pump Down Tanks: 880, 609 / Flow Back Tank 477 / Gas Buster 837 Working Tanks-530,443,544,589,545, Gas buster (Bleed Off tank)-878.						
Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/3/2016 06:00	9/3/2016 07:51	1.85	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Waiting on 36H Ops
9/3/2016 07:51	9/3/2016 08:00	0.15	FRAC	SWING IRON	IRON	Swing Iron

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/3/2016 08:00	9/3/2016 08:50	0.84	TEST	SURFACE LINES/PUMP	TEST_LI NE	Prime & Test Lines
9/3/2016 08:50	9/3/2016 11:18	2.47	FRAC	FRAC / STIM	STIM	Frac Stg 41 of 41. PTD
9/3/2016 11:18	9/4/2016 06:00	18.69	NONOPS	WELL SHUT IN	SHUT_IN	WSI - Waiting on D/O Ops.

Report #: 38 Daily Operation: 9/4/2016 06:00 - 9/5/2016 06:00

Job Category	Primary Job Type	AFE Number
ORIG COMPLETION	OCM	038162

Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
135	38	0.0			

Operations Summary
RDMO PPS 1 and support equipment

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/4/2016 06:00	9/4/2016 17:00	11	NONOPS	WELL SHUT IN	SHUT_IN	RDMO PPS 1 and support equipment
9/4/2016 17:00	9/5/2016 06:00	13	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	MIRU COIL OPS

Report #: 39 Daily Operation: 9/9/2016 06:00 - 9/10/2016 06:00

Job Category	Primary Job Type	AFE Number
ORIG COMPLETION	OCM	038162

Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
140	39	0.0			CONQUEST COMPLETION SERVICES, #6

Operations Summary
MIRU CTU. RU BHA. Press test.
RIH.
Drill CFP's #41 thru 32. Circulate BU
Drill CFP #31 and # 30. Washing to CFP #29

Remarks

working tanks: #609, #477, #545, #589, #544, #445
Sand Box # R-003, Sand Box R-022

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/9/2016 06:00	9/9/2016 09:30	3.5	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	Wait to move off the 36H
9/9/2016 09:30	9/9/2016 12:15	2.75	SETUP	RIG UP OR RIG DOWN	RURD	MIRU Conquest #6
9/9/2016 12:15	9/9/2016 13:35	1.333	COIL TUBING	COIL TUBING BHA	CT_BHA	Make up Bake BHA and test motor 3.5 /3100 psi.
9/9/2016 13:35	9/9/2016 14:19	0.734	TEST	SURFACE LINES/PUMP	TEST_LI NE	Pressure test surface equipment 250 psi low 7500 psi high
9/9/2016 14:19	9/9/2016 17:11	2.867	COIL TUBING	RUN IN HOLE	CT_RIH	Open well bottom master is 35 turns top master is 17 1/4 turns 675 psiTIH to CFP # 41
9/9/2016 17:11	9/9/2016 17:23	0.2	COIL TUBING	DRILL OUT PLUG	CT_DOP	Tag Boss Hoggs CFP #41 @ 10013' CTM, set @ 10024', WLM. Drill plug in 0:12 pumping 3.5 bpm / 3400 psi, returns 3.5 bpm / 427 psi. Choke size 41/ 64 small flare, 5 bbl. sweep no sand and no plug parts.
9/9/2016 17:23	9/9/2016 18:00	0.617	COIL TUBING	RUN IN HOLE	CT_RIH	TIH to CFP #40
9/9/2016 18:00	9/9/2016 18:09	0.15	COIL TUBING	DRILL OUT PLUG	CT_DOP	Tag Boss Hoggs CFP # 40 @ 10255' CTM, set @ 10264', WLM. Drill plug in 0:09 pumping 3.5 bpm / 3100 psi, returns 3.5 bpm / 380 psi. Choke size 41/ 64. small flare, 5 bbl. sweep light sand and good plug parts.
9/9/2016 18:09	9/9/2016 18:51	0.7	COIL TUBING	RUN IN HOLE	CT_RIH	TIH to CFP #39
9/9/2016 18:51	9/9/2016 19:10	0.317	COIL TUBING	DRILL OUT PLUG	CT_DOP	Tag Boss Hoggs CFP # 39 @ 10501' CTM, set @ 10504', WLM. Drill plug in 0:19 pumping 3.5 bpm / 2900 psi, returns 3.5 bpm / 340 psi. Choke size 41/ 64. small flare, 5 bbl. sweep trace sand and good plug parts.
9/9/2016 19:10	9/9/2016 19:58	0.8	COIL TUBING	RUN IN HOLE	CT_RIH	TIH to CFP #38
9/9/2016 19:58	9/9/2016 20:15	0.283	COIL TUBING	DRILL OUT PLUG	CT_DOP	Tag Boss Hoggs CFP # 38 @ 10733' CTM, set @ 10744', WLM. Drill plug in 0:17 pumping 3.5 bpm / 2700 psi, returns 3.5 bpm / 310 psi. Choke size 42/ 64. small flare, 10 bbl. sweeptrace sand and good plug parts.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/9/2016 20:15	9/9/2016 21:17	1.03 3	COIL TUBING	RUN IN HOLE	CT_RIH	TIH to CFP #37
9/9/2016 21:17	9/9/2016 21:43	0.43 3	COIL TUBING	DRILL OUT PLUG	CT_DOP	Tag Boss Hoggs CFP # 37 @ 10978' CTM, set @ 10984', WLM. Drill plug in 0:26 pumping 3.5 bpm / 2500 psi, returns 3.5 bpm / 300 psi. Choke size 42/ 64. small flare, 5 bbl. sweep trace sand and good plug parts.
9/9/2016 21:43	9/9/2016 22:31	0.8	COIL TUBING	RUN IN HOLE	CT_RIH	TIH to CFP #36
9/9/2016 22:31	9/9/2016 22:44	0.21 7	COIL TUBING	DRILL OUT PLUG	CT_DOP	Tag Boss Hoggs CFP # 36 @ 11212' CTM, set @ 11224', WLM. Drill plug in 0:13 pumping 3.75 bpm / 3200 psi, returns 3.75 bpm / 280 psi. Choke size 44/ 64. small flare, 5 bbl. sweep trace sand and good plug parts.
9/9/2016 22:44	9/9/2016 23:28	0.73 3	COIL TUBING	RUN IN HOLE	CT_RIH	TIH to CFP #35
9/9/2016 23:28	9/9/2016 23:48	0.33 3	COIL TUBING	DRILL OUT PLUG	CT_DOP	Tag Boss Hoggs CFP # 35 @ 11460' CTM, set @ 11464', WLM. Drill plug in 0:20 pumping 3.75 bpm / 3200 psi, returns 3.75 bpm / 300 psi. Choke size 44/ 64. small flare, 10 bbl. sweep trace sand and good plug parts.
9/9/2016 23:48	9/10/2016 00:40	0.86 7	COIL TUBING	RUN IN HOLE	CT_RIH	TIH to CFP #34
9/10/2016 00:40	9/10/2016 00:58	0.3	COIL TUBING	DRILL OUT PLUG	CT_DOP	Tag Boss Hoggs CFP # 34 @ 11693' CTM, set @ 11704', WLM. Drill plug in 0:18 pumping 3.75 bpm / 3200 psi, returns 3.75 bpm / 300 psi. Choke size 44/ 64. small flare, 10 bbl. sweep trace sand and good plug parts.
9/10/2016 00:58	9/10/2016 01:40	0.7	COIL TUBING	RUN IN HOLE	CT_RIH	TIH to CFP #33
9/10/2016 01:40	9/10/2016 01:52	0.2	COIL TUBING	DRILL OUT PLUG	CT_DOP	Tag Boss Hoggs CFP # 33 @ 11934' CTM, set @ 11948', WLM. Drill plug in 0:12 pumping 3.75 bpm / 3200 psi, returns 3.75 bpm / 300 psi. Choke size 44/ 64. small flare, 5 bbl. sweep light sand and good plug parts.
9/10/2016 01:52	9/10/2016 02:30	0.63 3	COIL TUBING	RUN IN HOLE	CT_RIH	TIH to CFP #32
9/10/2016 02:30	9/10/2016 02:46	0.26 7	COIL TUBING	DRILL OUT PLUG	CT_DOP	Tag Boss Hoggs CFP # 32 @ 12175' CTM, set @ 12184', WLM. Drill plug in 0:16 pumping 3.75 bpm / 3200 psi, returns 3.75 bpm / 300 psi. Choke size 44/ 64. small flare, 10/50/10 bbl. sweep light sand and good plug parts.
9/10/2016 02:46	9/10/2016 03:25	0.65	COIL TUBING	RUN IN HOLE	CT_RIH	TIH to CFP #31. Tag at 12,414 ft ctm. PU. Sweep exiting coil.
9/10/2016 03:25	9/10/2016 04:53	1.46 7	COIL TUBING	CIRCULATE	CT_CIRC	Circulating bottoms up with 10/50/10 bbl gel sweep. PU slowly while circulating. Sweeps cleared surface. Picked up 11,857 ft. Returns good. RIH to drill CFP # 31
9/10/2016 04:53	9/10/2016 05:04	0.18 3	COIL TUBING	DRILL OUT PLUG	CT_DOP	Tag Boss Hoggs CFP # 31 @ 12412' CTM, set @ 12424', WLM. Drill plug in 0:11 pumping 3.75 bpm / 3200 psi, returns 3.75 bpm / 300 psi. Choke size 45/ 64. small flare, 5 bbl. sweep trace sand and good plug parts.
9/10/2016 05:04	9/10/2016 05:35	0.51 7	COIL TUBING	RUN IN HOLE	CT_RIH	TIH to CFP #30
9/10/2016 05:35	9/10/2016 05:46	0.18 3	COIL TUBING	DRILL OUT PLUG	CT_DOP	Tag Boss Hoggs CFP # 30 @ 12651' CTM, set @ 12664', WLM. Drill plug in 0:11 pumping 3.75 bpm / 3300 psi, returns 3.75 bpm / 300 psi. Choke size 44/ 64. small flare, 5 bbl. sweep trace sand and good plug parts.
9/10/2016 05:46	9/10/2016 06:00	0.23 3	COIL TUBING	RUN IN HOLE	CT_RIH	TIH to CFP #29

Report #: 40 Daily Operation: 9/10/2016 06:00 - 9/11/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 038162	
Days From Spud (days) 141	Days on Location (days) 40	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig CONQUEST COMPLETION SERVICES, #6		

Operations Summary

Drill Boss Hogg CFP'S 29-16 of 41. Short trip from CFP # 20 to kick off point Per SOP. Pumped sweep 10/20/10 thru curve before POOH thru curve. Sweep cleared to surface. POOH to 8,900'. RIH W/ CT back to top CFP # 20 @ 15,060'. RIH to tag CFP # 15 @ report time.

Remarks

working tanks: #609, #477, #545, #589, #544, #445
Sand Box # R-003, Sand Box R-022

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/10/2016 06:00	9/10/2016 06:37	0.61 7	COIL TUBING	RUN IN HOLE	CT_RIH	TIH to CFP #29
9/10/2016 06:37	9/10/2016 06:57	0.33 3	COIL TUBING	DRILL OUT PLUG	CT_DOP	Tag Boss Hoggs CFP # 29 @ 12892' CTM, set @ 12904', WLM. Drill plug in 0:20 pumping 3.75 bpm / 3300 psi, returns 3.75 bpm / 300 psi. Choke size 44/ 64. small flare, 5 bbl. sweep medium sand and good plug parts.
9/10/2016 06:57	9/10/2016 08:00	1.05	COIL TUBING	RUN IN HOLE	CT_RIH	TIH to CFP #28
9/10/2016 08:00	9/10/2016 08:12	0.2	COIL TUBING	DRILL OUT PLUG	CT_DOP	Tag Boss Hoggs CFP # 28 @ 13129' CTM, set @ 13144', WLM. Drill plug in 0:12 pumping 3.75 bpm / 3300 psi, returns 3.75 bpm / 340 psi. Choke size 45/ 64. small flare, 5 bbl. sweep light sand and good plug parts.
9/10/2016 08:12	9/10/2016 09:00	0.8	COIL TUBING	RUN IN HOLE	CT_RIH	TIH to CFP #27
9/10/2016 09:00	9/10/2016 09:12	0.2	COIL TUBING	DRILL OUT PLUG	CT_DOP	Tag Boss Hoggs CFP # 27 @ 13378' CTM, set @ 13384', WLM. Drill plug in 0:12 pumping 3.75 bpm / 3300 psi, returns 3.75 bpm / 340 psi. Choke size 45/ 64. small flare, 10 bbl. sweep light sand and good plug parts..
9/10/2016 09:12	9/10/2016 10:05	0.88 3	COIL TUBING	RUN IN HOLE	CT_RIH	TIH to CFP #26
9/10/2016 10:05	9/10/2016 10:17	0.2	COIL TUBING	DRILL OUT PLUG	CT_DOP	Tag Boss Hoggs CFP # 26 @ 13616' CTM, set @ 13624', WLM. Drill plug in 0:12 pumping 3.75 bpm / 3300 psi, returns 3.75 bpm / 300 psi. Choke size 46/ 64. small flare, 5 bbl. sweep light sand and good plug parts.
9/10/2016 10:17	9/10/2016 11:32	1.25	COIL TUBING	RUN IN HOLE	CT_RIH	TIH to CFP #25
9/10/2016 11:32	9/10/2016 11:46	0.23 3	COIL TUBING	DRILL OUT PLUG	CT_DOP	Tag Boss Hoggs CFP # 25 @ 13859' CTM, set @ 13864', WLM. Drill plug in 0:14 pumping 3.75 bpm / 3400 psi, returns 3.75 bpm / 300 psi. Choke size 46/ 64. small flare, 5 bbl. sweep light sand and good plug parts.
9/10/2016 11:46	9/10/2016 12:36	0.83 3	COIL TUBING	RUN IN HOLE	CT_RIH	TIH to CFP #24
9/10/2016 12:36	9/10/2016 12:48	0.2	COIL TUBING	DRILL OUT PLUG	CT_DOP	Tag Boss Hoggs CFP # 24 @ 14104' CTM, set @ 14104', WLM. Drill plug in 0:12 pumping 3.75 bpm / 3400 psi, returns 3.7 bpm / 300 psi. Choke size 46/ 64. small flare, 5 bbl. sweep light sand and good plug parts.
9/10/2016 12:48	9/10/2016 14:10	1.36 7	COIL TUBING	RUN IN HOLE	CT_RIH	TIH to CFP #23
9/10/2016 14:10	9/10/2016 14:21	0.18 3	COIL TUBING	DRILL OUT PLUG	CT_DOP	Tag Boss Hoggs CFP # 23 @ 14340' CTM, set @ 14344', WLM. Drill plug in 0:11 pumping 3.75 bpm / 3400 psi, returns 3.8 bpm / 290 psi. Choke size 46/ 64. small flare, 5 bbl. sweep light sand and good plug parts.
9/10/2016 14:21	9/10/2016 15:22	1.01 7	COIL TUBING	RUN IN HOLE	CT_RIH	TIH to CFP #22
9/10/2016 15:22	9/10/2016 15:33	0.18 3	COIL TUBING	DRILL OUT PLUG	CT_DOP	Tag Boss Hoggs CFP # 22 @ 14574' CTM, set @ 14580', WLM. Drill plug in 0:11 pumping 3.75 bpm / 3400 psi, returns 3.8 bpm / 260 psi. Choke size 47/ 48. small flare, 10 bbl. sweep trace sand and good plug parts.
9/10/2016 15:33	9/10/2016 16:19	0.76 7	COIL TUBING	RUN IN HOLE	CT_RIH	TIH to CFP #21
9/10/2016 16:19	9/10/2016 16:29	0.16 7	COIL TUBING	DRILL OUT PLUG	CT_DOP	Tag Boss Hoggs CFP # 21 @ 14819' CTM, set @ 14824', WLM. Drill plug in 0:10 pumping 3.75 bpm / 3400 psi, returns 3.75 bpm / 230 psi. Choke size 47/ 48. small flare, 5 bbl. sweep trace sand and good plug parts.
9/10/2016 16:29	9/10/2016 17:20	0.85	COIL TUBING	RUN IN HOLE	CT_RIH	Tih to CFP #20 pump 10/20/10
9/10/2016 17:20	9/10/2016 22:44	5.4	COIL TUBING	SHORT TRIP	CT_TRIP	Short trip to kick off point Per SOP. Pumped sweep 10/20/10 thru curve before POOH thru curve. Sweep cleared to surface. POOH to 8,900'.
9/10/2016 22:44	9/11/2016 02:01	3.28 4	COIL TUBING	RUN IN HOLE	CT_RIH	RIH W/ CT back to top CFP # 20 @ 15,060' to resume drilling CFP'S.
9/11/2016 02:01	9/11/2016 02:11	0.16 7	COIL TUBING	DRILL OUT PLUG	CT_DOP	Tag Boss Hoggs CFP # 20 @ 15049' CTM, set @ 15062', WLM. Drill plug in 0:10 pumping 3.75 bpm / 3100 psi, returns 3.75 bpm / 320 psi. Choke size 46/ 64. small flare, 5 bbl. sweep trace sand and good plug parts.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/11/2016 02:11	9/11/2016 02:44	0.55	COIL TUBING	RUN IN HOLE	CT_RIH	TIH to CFP #19
9/11/2016 02:44	9/11/2016 02:56	0.2	COIL TUBING	DRILL OUT PLUG	CT_DOP	Tag Boss Hoggs CFP # 19 @ 15284' CTM, set @ 15304', WLM. Drill plug in 0:12 pumping 3.75 bpm / 3100 psi, returns 3.75 bpm / 310 psi. Choke size 46/ 64. small flare, 5 bbl. sweep trace sand and good plug parts.
9/11/2016 02:56	9/11/2016 03:27	0.51 7	COIL TUBING	RUN IN HOLE	CT_RIH	TIH to CFP #18
9/11/2016 03:27	9/11/2016 03:38	0.18 3	COIL TUBING	DRILL OUT PLUG	CT_DOP	Tag Boss Hoggs CFP # 18 @ 15528' CTM, set @ 15544', WLM. Drill plug in 0:11 pumping 3.75 bpm / 3100 psi, returns 3.75 bpm / 320 psi. Choke size 45/ 64. small flare, 5 bbl. sweep trace sand and good plug parts.
9/11/2016 03:38	9/11/2016 04:14	0.6	COIL TUBING	RUN IN HOLE	CT_RIH	TIH to CFP #17
9/11/2016 04:14	9/11/2016 04:27	0.21 7	COIL TUBING	DRILL OUT PLUG	CT_DOP	Tag Boss Hoggs CFP # 17 @ 15764' CTM, set @ 15784', WLM. Drill plug in 0:13 pumping 3.75 bpm / 3200 psi, returns 3.75 bpm / 325 psi. Choke size 45/ 64. small flare, 10 bbl. sweep trace sand and good plug parts.
9/11/2016 04:27	9/11/2016 04:59	0.53 3	COIL TUBING	RUN IN HOLE	CT_RIH	TIH to CFP #16
9/11/2016 04:59	9/11/2016 05:12	0.21 7	COIL TUBING	DRILL OUT PLUG	CT_DOP	Tag Boss Hoggs CFP # 16 @ 16005' CTM, set @ 16030', WLM. Drill plug in 0:13 pumping 3.75 bpm / 3100 psi, returns 3.75 bpm / 320 psi. Choke size 45/ 64. small flare, 5 bbl. sweep trace sand and good plug parts.
9/11/2016 05:12	9/11/2016 06:00	0.8	COIL TUBING	RUN IN HOLE	CT_RIH	TIH to CFP #15 @ report time.

Report #: 41 Daily Operation: 9/11/2016 06:00 - 9/12/2016 06:00

Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 038162
Days From Spud (days) 142	Days on Location (days) 41	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig CONQUEST COMPLETION SERVICES, #6	

Operations Summary

Drill CFP # 14 thru 11. When washing to CFP#10 began losing fluid .5 bpm and whp dropped from 300psi to 150psi. PU, start N2.
Pump 3.5 bpm/700 scfm N2. WHP Built back to 500 psi. Return rate 3.7 bpm. Picked up 14,690 ft. Returns clean. RIH.
Begin fighting friction from 16,300 ft. Slowed down to 2-4 ft per minute. Stop at 17,127 ft. POOH
In vertical, after N2 is displaced out, the HydraPull gave indication of functioning. Continue POOH.
At surface. 390 psi WHP. Close well. Test motor, pressured up due to temperature differential. Break off BHA #1.
Wait for orders.

Remarks

working tanks: #609, #477, #545, #589, #544, #445
Sand Box in Use: R039
Hauled--Sand Box # R-003, Sand Box R-022, R-035(13yds sand)

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/11/2016 06:00	9/11/2016 06:09	0.15	COIL TUBING	DRILL OUT PLUG	CT_DOP	Tag Boss Hoggs CFP # 15 @ 16249' CTM, set @ 16264', WLM. Drill plug in 0:09 pumping 3.75 bpm / 3200 psi, returns 3.75 bpm / 200 psi. Choke size 46/ 48. Small flare, 5 bbl. sweep trace sand and good plug parts.
9/11/2016 06:09	9/11/2016 06:44	0.58 3	COIL TUBING	RUN IN HOLE	CT_RIH	TIH to CFP #14
9/11/2016 06:44	9/11/2016 06:54	0.16 7	COIL TUBING	DRILL OUT PLUG	CT_DOP	Tag Boss Hoggs CFP # 14 @ 16482' CTM, set @ 16504', WLM. Drill plug in 0:10 pumping 3.75 bpm / 3200 psi, returns 3.75 bpm / 250 psi. Choke size 46/ 48. Small flare, 5 bbl. sweep trace sand and good plug parts.
9/11/2016 06:54	9/11/2016 07:39	0.75	COIL TUBING	RUN IN HOLE	CT_RIH	TIH to CFP #13
9/11/2016 07:39	9/11/2016 07:56	0.28 3	COIL TUBING	DRILL OUT PLUG	CT_DOP	Tag Boss Hoggs CFP # 13 @ 16725' CTM, set @ 16744', WLM. Drill plug in 0:17 pumping 3.75 bpm / 3200 psi, returns 3.6 bpm / 200 psi. Choke size 46/ 48. Small flare, 5 bbl. sweep trace sand and good plug parts.
9/11/2016 07:56	9/11/2016 08:52	0.93 3	COIL TUBING	RUN IN HOLE	CT_RIH	TIH to CFP #12

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/11/2016 08:52	9/11/2016 09:04	0.2	COIL TUBING	DRILL OUT PLUG	CT_DOP	Tag Boss Hoggs CFP # 12 @ 16968' CTM, set @ 16984', WLM. Drill plug in 0:12 pumping 3.75 bpm / 3200 psi, returns 3.6 bpm / 180 psi. Choke size 46/ 48. small flare, 10 bbl. sweep trace sand and good plug parts.
9/11/2016 09:04	9/11/2016 10:03	0.98 3	COIL TUBING	RUN IN HOLE	CT_RIH	TIH to CFP #11
9/11/2016 10:03	9/11/2016 10:15	0.2	COIL TUBING	DRILL OUT PLUG	CT_DOP	Tag Boss Hoggs CFP # 11 @ 17211' CTM, set @ 17224', WLM. Drill plug in 0:12 pumping 3.75 bpm / 3200 psi, returns 3.4 bpm / 180 psi. Choke size 46/ 48. small flare, 10.20.10 bbl. sweep trace sand and good plug parts.
9/11/2016 10:15	9/11/2016 10:45	0.5	COIL TUBING	RUN IN HOLE	CT_RIH	TIH to CFP # 10 @ 17450ctm
9/11/2016 10:45	9/11/2016 16:45	6	COIL TUBING	SHORT TRIP	CT_TRIP	SOH @ 15 ft min start N2 WHP fell off to 180 psi and RR fell to 3.3 bpm Start N2 @ 350 scfm until N2 back at surface continue to POH lowered PR to 3.5 and raise N2 to 500 Scfm equivalent to 3.8 BPM and RR settled to 3.8 BPM return SIH @ 15 ft min due to friction
9/11/2016 16:45	9/11/2016 19:00	2.25	COIL TUBING	RUN IN HOLE	CT_RIH	@ 16300 ft raise N2 to 700 scfm RR 3.7 bpm @ 350 psi RIH @ 10 ft min fighting friction. Slowed down to 2 to 4 ft per minute. Talk to office, seems hydropull is being dampened by N2. Determined to POOH and install gas separator into BHA. Made to 17,127 ft.
9/11/2016 19:00	9/12/2016 04:30	9.5	COIL TUBING	PULL OUT OF HOLE	CT_POOH	Send 10/100/10 bbls sweep. Allow to exit coil. 17,127 ft. PU very slowly until sweeps out of coil. Pull 10 ft per min for 500 ft. Pull 20 ft per min for 500 ft. Pull 30 ft per min to 100 ft before curve. Sent heel sweeps ahead of curve, allow to clear surface before pulling thru curve. After getting N2 displaced out of coil the hydro pull began working. Continue POOH. At surface.
9/12/2016 04:30	9/12/2016 05:30	1	COIL TUBING	COIL TUBING BHA	CT_BHA	At surface. Close well. Break stack loose. Attempt to function motor. Pressured up to 7500 psi at 1.75 bpm. Motor turning. Believe stator rubber swollen with temp differential at surface. Bleed pressure down. Break BHA loose.
9/12/2016 05:30	9/12/2016 06:00	0.5	NONOPS	WELL SHUT IN	SHUT_IN	Wait on orders. WHP 390 psi.

Report #: 42 Daily Operation: 9/12/2016 06:00 - 9/13/2016 06:00

Job Category	Primary Job Type	AFE Number
ORIG COMPLETION	OCM	038162
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)
143	42	0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
		PIONEER WELL SERVICE, 30

Operations Summary

RDMO Conquest CTU, MIRU PWS #30 with all support equip for D/O ops. NU BOP stack and test. Kill well with 10# brine water. Test motor (3 BPM at 400 psi). RIH with BHA and 2 3/8 tbg at report time.

Remarks

working tanks: #609, #477, #545, #589, #544, #445
Sand Box in Use: R039
Hauled--Sand Box # R-003, Sand Box R-022, R-035(13yds sand)

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/12/2016 06:00	9/12/2016 09:45	3.75	NONOPS	WELL SHUT IN	SHUT_IN	Wait on orders. WHP 390 psi.
9/12/2016 09:45	9/12/2016 12:15	2.5	SETUP	RIG UP OR RIG DOWN	RURD	Rig down Conquest #6.
9/12/2016 12:15	9/12/2016 19:15	7	SETUP	RIG UP OR RIG DOWN	RURD	MIRU PWS #30 and all support equip.
9/12/2016 19:15	9/12/2016 20:15	1	SETUP	RIG UP OR RIG DOWN	RURD	NU BOP stack (triple BOP, flowcross, annular).
9/12/2016 20:15	9/12/2016 21:45	1.5	TEST	BOP	TEST_BOP	Test BOP stack, blind rams, both pipe rams and annular, all test good.
9/12/2016 21:45	9/13/2016 01:45	4	SETUP	RIG UP OR RIG DOWN	RURD	Finish RU on mixing plant, reverse unit, set pipe racks and rack 2 3/8 and 2 7/8 PH-6 workstring. 340 total jts of 2 3/8 PH-6 on location, 325 total jts of 2 7/8 PH-6 on location, 665 total jts of workstring.
9/13/2016 01:45	9/13/2016 03:00	1.25	WORKOVER	KILL WELL	WOV_KILL	Kill well with 10# brine water. Casing had 325 psi, pump 170 bbls of 10# brine and casing on slight vacuum.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/13/2016 03:00	9/13/2016 03:30	0.5	TEST	MISC EQUIPMENT	TEST_EQUIP	Test Baker Downhole motor, 3 BPM at 400 psi, good test.
9/13/2016 03:30	9/13/2016 06:00	2.5	WORKOVER	RUN IN HOLE	WOV_RIH	MU BHA and start running in hole with 2 3/8 PH-6 tbg RIH with 296 jts of 2 3/8 and change over to 2 7/8. Continue to RIH with 2 3/8 at report time.

Report #: 43 Daily Operation: 9/13/2016 06:00 - 9/14/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 038162
Days From Spud (days) 144	Days on Location (days) 43	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 30	

Operations Summary

Continue to RIH breaking circulation every 50 Jnts. RIH to Jnt 325 @ 10,060. Break circ @ 3 bpm with 2000 psi pump 10 bbl sweep followed with 20 bls of fluid lost circulation continued to pump another 20 bls no returns lowered fluid rate to 2.5 bpm amd started N2 @ 1000 scfm. Returns back at surface @ 3.8 bpm @ 900 psi pump 10 bbl sweep. lower N2 to 700 scfm and 2.5 bpm fluid @ 2800 psi. Continue to RIH breaking circulation every 50 jts. Tagged up on jt 412 @ 12,745'. Break circulation to attempt to RIH. RIH 1 jt & tag @ 12,785. RU swivel to wash to bottom. Wash from 12,785' on jt 414 to 13,732 on jt 444 @ report time.

Remarks

working tanks: #609, #477, #545, #589, #544, #445
Sand Box in Use: R039
Hauled--Sand Box # R-003, Sand Box R-022, R-035(13yds sand)

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/13/2016 06:00	9/13/2016 10:30	4.5	WORKOVER	RUN IN HOLE	WOV_RIH	Continue to RIH breaking circulation every 50 Jnts to Jnts 296 of 2.375" PH6
9/13/2016 10:30	9/13/2016 12:30	2	WORKOVER	RUN IN HOLE	WOV_RIH	Tally 2.875" PH6 rih to Jnt 325 @ 10,060.24 ft
9/13/2016 12:30	9/13/2016 16:30	4	WORKOVER	CIRCULATE	WOV_CIRC	Jnt 325 break circ @ 3 bpm with 2000 psi pump 10 bbl sweep followed with 20 bls of fluid lost circulation continued to pump another 20 bls no returns lowered fluid rate to 2.5 bpm amd started N2 @ 1000 scfm
9/13/2016 16:30	9/13/2016 18:30	2	COIL TUBING	CIRCULATE	CT_CIRC	Returns back at surface @ 3.8 bpm @ 900 psi pump 10 bbl sweep. lower N2 to 700 scfm and 2.5 bpm fluid @ 2800 psi
9/13/2016 18:30	9/13/2016 22:00	3.5	COIL TUBING	RUN IN HOLE	CT_RIH	Install Gas Speratorn and Continue to RIH breaking circulation every 50 jts. Pumping 2 bpm/ 500 scfm. Tagged up on jt 412 @ 12,745'. Break circulation to attempt to RIH. RIH 1 jt & tag @ 12,785 on jt 414.
9/13/2016 22:00	9/14/2016 01:00	3	SETUP	RIG UP OR RIG DOWN	RURD	RU swivel to wash to bottom.
9/14/2016 01:00	9/14/2016 06:00	5	COIL TUBING	RUN IN HOLE	CT_RIH	Break circulation. Pumping 2 bpm/ 500 scfm N2. Began washing down hole on jt 414 @ 12,785' to 13,732 on jt 444 @ report time. Pumping 2 bpm / N2 @ 500 scfm @ 1,200 psi. Return rate 2.6 bpm @ 550 psi.

Report #: 44 Daily Operation: 9/14/2016 06:00 - 9/15/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 038162
Days From Spud (days) 145	Days on Location (days) 44	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 30	

Operations Summary

Get down to 13,732' ft w/ 444 jts in circ. the well bottoms up, continue RIH w/ tbg & BHA from 13,732' ft swivel down to Jnt 563 @ 17,418.95 ft pump 10.20.10 circ bottom up continue in hole Drilling out CFP10-8.

Remarks

working tanks: #609, #477, #545, #589, #544, #445
Sand Box in Use: R039
Hauled--Sand Box # R-003, Sand Box R-022, R-035(13yds sand)

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/14/2016 06:00	9/14/2016 07:19	1.33 3	WORKOVER	CIRCULATE	WOV_CIRC	Get down to 13,732' ft w/ 444 jts in, circ. bottoms up, Pumping 2 bpm / N2 @ 500 scfm @ 1,200 psi. Return rate 2.6 bpm @ 550 psi.
9/14/2016 07:19	9/14/2016 23:00	15.6 81	WORKOVER	RUN IN HOLE	WOV_RIH	Continue RIH w/ tbg & BHA, from 13,732' ft swivel down to Jnt 563 +15 17,404 tag solid
9/14/2016 23:00	9/15/2016 01:41	2.68 3	WORKOVER	CIRCULATE	WOV_CIRC	pick up 10 ft pump 10.20.10 75 visc sweep @ 3.5 bpm 700 scfm N2 PP 3500 RR 3.5 RP 330 on 40/48

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/15/2016 01:41	9/15/2016 01:50	0.15	WORKOVER	DRILL OUT PLUG	WOV_DO P	Tag CFP #10 @ 17,425' w/ jnt 564. Drl tm=9 mins. FTP=3500 psig @ 3.5 bpm. Pumping N2 @ 700 scfm.FCP=300 psig @ 3.5 bpm on a 46/48" choke.
9/15/2016 01:50	9/15/2016 02:50	1	WORKOVER	RUN IN HOLE	WOV_RI H	TIH to CFP # 9
9/15/2016 02:50	9/15/2016 03:15	0.41 7	WORKOVER	DRILL OUT PLUG	WOV_DO P	Tag CFP #9 @ 17,673' w/ jnt 572. Drl tm=25 mins. FTP=3500 psig @ 3.5 bpm. Pumping N2 @ 700 scfm.FCP=330 psig @ 3.5 bpm on a 46/48" choke.
9/15/2016 03:15	9/15/2016 04:20	1.08 3	COIL TUBING	RUN IN HOLE	CT_RIH	TIH to CFP # 8
9/15/2016 04:20	9/15/2016 04:40	0.33 3	WORKOVER	DRILL OUT PLUG	WOV_DO P	Tag CFP #8 @ 17,910' w/ jnt 579. Drl tm=20 mins. FTP=3000 psig @ 3.5 bpm. Pumping N2 @ 700 scfm.FCP=300 psig @ 3.5 bpm on a 45/48" choke.
9/15/2016 04:40	9/15/2016 06:00	1.33 3	WORKOVER	RUN IN HOLE	WOV_RI H	TIH to CFP # 7

Report #: 45 Daily Operation: 9/15/2016 06:00 - 9/16/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 038162
Days From Spud (days) 146	Days on Location (days) 45	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 30	

Operations Summary

Circ. the well bottoms up, start drilling plugs from plug #7 thru plug #6, washed down to plug #5 tubing plug up POH with work string to find plug

Remarks

working tanks: #609, #477, #545, #589, #544, #445

Sand Box in Use: R039

Hauled--Sand Box # R-003, Sand Box R-022, R-035(13yds sand)

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/15/2016 06:00	9/15/2016 08:39	2.65	WORKOVER	CIRCULATE	WOV_CI RC	Get to plug #7, pump 10-20-10 & circ. the well bottoms up.
9/15/2016 08:39	9/15/2016 08:55	0.26 7	WORKOVER	DRILL OUT PLUG	WOV_DO P	Tag CFP #7 @ 18,130' w/ jnt 587. Drl tm=16 mins. FTP=3000 psig @ 3.3 bpm. Pumping N2 @ 700 scfm.FCP=590 psig @ 3.5 bpm on a 49/64" choke.
9/15/2016 08:55	9/15/2016 10:13	1.3	WORKOVER	RUN IN HOLE	WOV_RI H	TIH to CFP # 6
9/15/2016 10:13	9/15/2016 10:30	0.28 3	WORKOVER	DRILL OUT PLUG	WOV_DO P	Tag CFP #6 @ 18,396' w/ jnt 595. Drl tm=17 mins. FTP=2900 psig @ 3.3 bpm. Pumping N2 @ 700 scfm.FCP=500 psig @ 3.5 bpm on a 50/64" choke.
9/15/2016 10:30	9/15/2016 11:51	1.35	WORKOVER	RUN IN HOLE	WOV_RI H	TIH to CFP # 5
9/15/2016 11:51	9/15/2016 15:00	3.15	WORKOVER	PULL OUT OF HOLE	WOV_PO OH	Tag plug #5 @ 18,644' ft w/ 603 jts in, drill out for 1 min's, tbg pressure up to 4000 psi, bleed off pressure pull the bit 6' ft off bottom, start pumping & pump 3.5 bbl's fluid tbg pressure up to 4000 psi, bleed off pressure, laying down 2 jts & start pumping water pump 4 bbl's tbg pressure up to 4000 psi, bleed off pressure & start pull tbg, laying down 10 jts w/ swivel to the 1st Float Valve, at 18,284' ft w/ 591 jts in, took off float valve tried to pump down the tbg, pump 1 bbl, tbg pressure up to 4000 psi, bleed off pressure.
9/15/2016 15:00	9/15/2016 17:30	2.5	WORKOVER	PULL OUT OF HOLE	WOV_PO OH	Continue pooh w/ tbg, swivel out laying down 30 more jts, to put the bottom of the bit @17,345' ft w/ 561 jts in, on next float valve, took off the valve & find wire & rubber from the kelly hose
9/15/2016 17:30	9/15/2016 21:00	3.5	WORKOVER	PULL OUT OF HOLE	WOV_PO OH	Attempt to pum could not psi up to 4000 psi pulled another 5 jnts to 556 lay down swivel pulled to Jnt 528 laying down single.
9/15/2016 21:00	9/16/2016 02:30	5.5	WORKOVER	PULL OUT OF HOLE	WOV_PO OH	Float sub on top of Jnt 527 could not get bleed off tool to open valves and bleed off trash on top of valve attempt to remove trash to get valve open. was successful in bleeding float sub off removed float and attempted to pump 4 bls and psi up to 4000 psi
9/16/2016 02:30	9/16/2016 06:00	3.5	WORKOVER	PULL OUT OF HOLE	WOV_PO OH	Continue to POH at time of report @ Jnt 430

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Report #: 46 Daily Operation: 9/16/2016 06:00 - 9/17/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 038162
Days From Spud (days) 147	Days on Location (days) 46	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 30	

Operations Summary

Continue pooh w/ tbg, laying down 61 jts more, to put the bottom of the bit @ 11,820' ft w/ 382 jts in the well. Continue pooh w/ tbg, stand back on the derrick, pull 55 jts to put bottom of the tbg @ 10078' (326 jt.in), get Gas Separator on surface, we have pressure trap between Gas Separator & the bottom float valve, decided to break connection below the Gas separator to start bleed down the pressure slow, rig up the mud backed installed around the tbg, put tbg tongs on tbg, start loose the tbg, slow till we get all the pressure released. Psi would not be lld pump 150 bls of 10# Brine to top kill well Well went on vacuum psi bleeding off tubing @ break slowly

Remarks

working tanks: #609, #477, #545, #589, #544, #445
Sand Box in Use: R039
Hauled--Sand Box # R-003, Sand Box R-022, R-035(13yds sand)

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/16/2016 06:00	9/16/2016 07:51	1.85	NONOPS	WELL SHUT IN	SHUT_IN	Shot everything down, bad weather condition, start Lighning.
9/16/2016 07:51	9/16/2016 09:45	1.9	WORKOVER	PULL OUT OF HOLE	WOV_PO OH	Continue pooh w/ tbg, laying down 61 jts more, to put the bottom of the bit @ 11,820' ft w/ 382 jts in the well.
9/16/2016 09:45	9/16/2016 21:45	12	WORKOVER	PULL OUT OF HOLE	WOV_PO OH	Continue pooh w/ tbg, stand back on the derrick, pull 55 jts to put bottom of the tbg @ 10078' (326 jt.in), get Gas Separator on surface, we have pressure trap between Gas Separator & the bottom float valve, decided to break connection below the Gas separator to start bleed down the pressure slow, rig up the mud backed installed around the tbg, put tbg tongs on tbg, start loose the tbg, slow till we get all the pressure released.
9/16/2016 21:45	9/17/2016 06:00	8.25	WORKOVER	KILL WELL	WOV_KILL	Brine on location pump 150 bls of 10 # well went on vacuum break connection on top of tubing and let it bleed off slowly and safely it bleeding down.

Report #: 47 Daily Operation: 9/17/2016 06:00 - 9/18/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 038162
Days From Spud (days) 148	Days on Location (days) 47	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 30	

Operations Summary

Continue bleed off pressure from the tbg, pressure completely bleed off, unscrew top jt, laying down the jt w/ the Gas Separator, install TIW valve on the tbg, pump 42 bbl's brine water down the tbg, stay on strong vacuum, csg still on vacuum, pooh w/ the rest of the tbg, 326 jts, laying down old BHA, pick up new BHA, RIH w/ workstring tbg, to jnt 324 break circulation with 2 bpm 700 scfm @ 1500 psi waiting on returns to surface.

Remarks

working tanks: #609, #477, #545, #589, #544, #445
Sand Box in Use: R039
Hauled--Sand Box # R-003, Sand Box R-022, R-035(13yds sand)

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/17/2016 06:00	9/17/2016 09:15	3.25	WORKOVER	KILL WELL	WOV_KILL	Continue bleed off pressure from the tbg, pressure completely bleed off, unscrew top jt, laying down the jt w/ the Gas Separator, install TIW valve on the tbg, pump 42 bbl's brine water down the tbg, stay on strong vacuum, csg still on vacuum.
9/17/2016 09:15	9/17/2016 16:00	6.75	WORKOVER	PULL OUT OF HOLE	WOV_PO OH	Pooh w/ the rest of the tbg, 326 jts, laying down Baker Hughes Motor.
9/17/2016 16:00	9/17/2016 19:30	3.5	WORKOVER	RUN IN HOLE	WOV_RIH	Pick up new BHA, start RIH filling every 50 stands with 110 stands in well shut down for weather
9/17/2016 19:30	9/18/2016 01:00	5.5	WORKOVER	RUN IN HOLE	WOV_RIH	Shut in due to extreme weather conditions
9/18/2016 01:00	9/18/2016 03:40	2.67	WORKOVER	RUN IN HOLE	WOV_RIH	RIH to JNT 324 9,974 ft pumping 2. bls min and 700 scfm
9/18/2016 03:40	9/18/2016 06:00	2.34	WORKOVER	CIRCULATE	WOV_CIRC	Attempting to circulate @ 9974 ft pumping 2 bpm 700 scfm @ 1500 psi full open choke

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Report #: 48 Daily Operation: 9/18/2016 06:00 - 9/19/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM		AFE Number 038162
Days From Spud (days) 149	Days on Location (days) 48	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 30

Operations Summary

Continue attempting to break circ. @ 9974 ft pumping 1.5 bpm 1200 scfm @ 2000 psi open thru Gut Line, pump for 3.25 hrs, never get circ. back, stop pumping N2, & flush the tbg w/ 51 bbl's fresh water, Pooh w/ 96 jts, to put bottom of the tbg @ 7074' ft w/ 228 jts in. start circ. manifold pressure come up from 0 psi to 760 psi, open thru 64/64 choke, unload the backside run the tbg to 10,078' ft, break circ. pumping 1200 N2, 1.5 bpm on water, continue rih w/ tbg get down to Jnt 598 @ report time

Remarks

working tanks: #609, #477, #545, #589, #544, #445
Sand Box in Use: R039
Hauled--Sand Box # R-003, Sand Box R-022, R-035(13yds sand)

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/18/2016 06:00	9/18/2016 09:25	3.41 7	WORKOVER	CIRCULATE	WOV_CI RC	Attempting to circulate @ 9974 ft pumping 1.5 bpm 1000 scfm @ 2000 psi open thru Gut Line, pump for 3.25 hrs, never get circ. back, stop pumping N2, & flush the tbg w/ 51 bbl's fresh water.
9/18/2016 09:25	9/18/2016 11:02	1.61 7	WORKOVER	PULL OUT OF HOLE	WOV_PO OH	Pooh w/ 96 jts, to put bottom of the tbg @ 7074' ft w/ 228 jts in.
9/18/2016 11:02	9/18/2016 11:30	0.46 7	WORKOVER	CIRCULATE	WOV_CI RC	Attempting to break circ. @ 7074 ft pumping 1.5 bpm 1200 scfm @ 2100 psi open thru Gut Line.
9/18/2016 11:30	9/18/2016 12:39	1.15	WORKOVER	CIRCULATE	WOV_CI RC	Start circ. manifold pressure come up from 0 psi to 760 psi, open thru 64/64 choke, unload the backside.
9/18/2016 12:39	9/18/2016 13:01	0.36 7	WORKOVER	KILL WELL	WOV_KIL L	Stop pumping N2, displaced the tbg w/ 27 bbl's fresh water.
9/18/2016 13:01	9/18/2016 14:19	1.3	WORKOVER	RUN IN HOLE	WOV_RI H	RIH w/ tbg, run the bottom of the tbg to 10,078' w/ 326 jts in.
9/18/2016 14:19	9/18/2016 15:21	1.03 3	WORKOVER	CIRCULATE	WOV_CI RC	Break circ. pumping 1200 N2, 1.5 bpm w/ 2100 pump psi, circ. the well for 30 mins, to pick up well head pressure to 780 psi, stop pumping, closed backside.
9/18/2016 15:21	9/18/2016 18:00	2.65	WORKOVER	RUN IN HOLE	WOV_RI H	Continue RIH w/ tbg get to JNT 425
9/18/2016 18:00	9/18/2016 19:00	1	WORKOVER	RUN IN HOLE	WOV_RI H	RIH to Jnt 454 had to ru swivel to rotate due to friction
9/18/2016 19:00	9/19/2016 06:00	11	WORKOVER	RUN IN HOLE	WOV_RI H	Swivel jnt down stopping and breaking circ every 50 jnts with 2 bpm and 700 scfm N2 @ 1800 PP 425 RP 3.25 RR made it to Jnt 598 18,502 ft

Report #: 49 Daily Operation: 9/19/2016 06:00 - 9/20/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM		AFE Number 038162
Days From Spud (days) 150	Days on Location (days) 49	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 30

Operations Summary

Continue RIH w/ tbg, get to 18,563' ft w/ 600 jts in hole break circ. pumping 2 bpm and 1000 scfm N2 @ 2100 PP, continue RIH w/ tbg tag plug #5 @ 18,663' w/ jnt 604, break circ. start drilling, drill out plug #5 thru plug #2 washed down to plug #1 @19,614' ft w/ 634 jts in, pump sweeps, circ. well bottoms up, SOH stop @ Jnt 325 and circ sweep thru heel continue to POH

Remarks

working tanks: #609, #477, #545, #589, #544, #445
Sand Box in Use: R039
Hauled--Sand Box # R-003, Sand Box R-022, R-035(13yds sand)

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/19/2016 06:00	9/19/2016 06:51	0.85	WORKOVER	CIRCULATE	WOV_CI RC	Continue RIH w/ tbg, get to 18,563' ft w/ 600 jts in hole break circ. pumping 2 bpm and 1000 scfm N2 @ 2100 PP.
9/19/2016 06:51	9/19/2016 07:30	0.65	WORKOVER	RUN IN HOLE	WOV_RI H	Continue RIH w/ tbg tag plug #5 @ 18,663' w/ jnt 604, break circ.
9/19/2016 07:30	9/19/2016 07:47	0.28 4	WORKOVER	DRILL OUT PLUG	WOV_DO P	Tag CFP #5 @ 18,663' w/ jnt 604. Drl tm=17 mins. FTP=2900 psig @ 3.3 bpm. Pumping N2 @ 1000 scfm.FCP=450 psig @ 3.5 bpm on a 50/64" choke.
9/19/2016 07:47	9/19/2016 08:50	1.05	WORKOVER	RUN IN HOLE	WOV_RI H	TIH to CFP # 4.
9/19/2016 08:50	9/19/2016 09:16	0.43 3	WORKOVER	DRILL OUT PLUG	WOV_DO P	Tag CFP #4 @ 18,898' w/ jnt 611. Drl tm=26 mins. FTP=2900 psig @ 3.3 bpm. Pumping N2 @ 1000 scfm.FCP=450 psig @ 3.5 bpm on a 50/64" choke.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/19/2016 09:16	9/19/2016 10:43	1.45	WORKOVER	RUN IN HOLE	WOV_RIH	TIH to CFP # 3.
9/19/2016 10:43	9/19/2016 11:22	0.65	WORKOVER	DRILL OUT PLUG	WOV_DOP	Tag CFP #3 @ 19,135' w/ jnt 619. Drl tm=39 mins. FTP=2900 psig @ 3.3 bpm. Pumping N2 @ 1000 scfm.FCP=450 psig @ 3.5 bpm on a 47/64" choke.
9/19/2016 11:22	9/19/2016 12:31	1.15	WORKOVER	RUN IN HOLE	WOV_RIH	TIH to CFP # 2
9/19/2016 12:31	9/19/2016 12:45	0.23 3	WORKOVER	DRILL OUT PLUG	WOV_DOP	Tag CFP #2 @ 19,360' w/ jnt 626. Drl tm=14 mins. FTP=2900 psig @ 3.3 bpm. Pumping N2 @ 1000 scfm.FCP=460 psig @ 3.5 bpm on a 47/64" choke.
9/19/2016 12:45	9/19/2016 14:22	1.61 7	WORKOVER	RUN IN HOLE	WOV_RIH	TIH to CFP # 1, tag @19,614' w/ 634 jts in, pick up bit off bottom.
9/19/2016 14:22	9/19/2016 18:00	3.64 7	WORKOVER	CIRCULATE	WOV_CIRC	Pump sweeps & circ. the well bottoms up.
9/19/2016 18:00	9/20/2016 06:00	12	WORKOVER	PULL OUT OF HOLE	WOV_POOH	SOH @ Jnt 325 stop and circ sweep through heel and Continued to POH

Report #: 50 Daily Operation: 9/20/2016 06:00 - 9/21/2016 06:00

Job Category	Primary Job Type	AFE Number
ORIG COMPLETION	OCM	038162
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)
151	50	0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
		PIONEER WELL SERVICE, 30

Operations Summary

Kill the well w/ 100 bbl's brine water down backside, continue pooh w/ workstring laying down, 189 jts plus Baker Hughes tools, Flush the csg w/ 100 bbl's treaded water, & 220 bbl's Packer Fluid,rig up Wireline & Lubricator,RIH w/ 4.625 Gauge Ring, to 9530' ft, pick up 5.5 Arrow set I-X prod. Packer RIH & set Packer @9418' ft, Rig down Wireline, Run production as per procedure

Remarks

working tanks: #609, #477, #545, #589, #544, #445
Sand Box in Use: R039
Hauled--Sand Box # R-003, Sand Box R-022, R-035(13yds sand)

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/20/2016 06:00	9/20/2016 06:43	0.71 7	WORKOVER	KILL WELL	WOV_KILL	Kill the well w/ 100 bbl's Brine water down the backside.
9/20/2016 06:43	9/20/2016 10:26	3.71 7	WORKOVER	PULL OUT OF HOLE	WOV_POOH	Continue pooh w/ workstring laying down 189 2 3/8 PH-6 jts plus Baker Hughes tools.
9/20/2016 10:26	9/20/2016 11:51	1.41 7	WORKOVER	FLUSH	WOV_FLUSH	Flush the csg w/ 100 bbl's treaded water, & 220 bbl's Packer Fluid.
9/20/2016 11:51	9/20/2016 12:57	1.1	SETUP	RIG UP OR RIG DOWN	RURD	Rig up Wireline.
9/20/2016 12:57	9/20/2016 14:26	1.48 3	WIRELINE	GAUGE RING/JUNK BASKET	WL_GRJB	RIH w/ 4.625 Gauge Ring, to 9530' ft POOH w/ gauge Ring.
9/20/2016 14:26	9/20/2016 16:03	1.61 7	WIRELINE	PACKER	WL_PKR	Pick up 5.5 Arrow set I-X prod. Packer RIH & set Packer @9418' ft, pooh w/ seating tool.
9/20/2016 16:03	9/20/2016 16:48	0.75	SETUP	RIG UP OR RIG DOWN	RURD	Rig down Wireline.
9/20/2016 16:48	9/20/2016 20:00	3.21	SETUP	RIG UP OR RIG DOWN	RURD	Rig up everything to start RIH w/ Prod. tbg, Nipple down flow cross & one Frac valve, to lower down BOP's.
9/20/2016 20:00	9/20/2016 22:30	2.5	WORKOVER	PRODUCTION TUBING	WOV_TBG	RIH With Gas Lift production on Jnt 180 gas lift # 9 mandrel and valve broke on MU
9/20/2016 22:30	9/21/2016 02:00	3.5	WORKOVER	PRODUCTION TUBING	WOV_TBG	S/D wait on new mandrel and valve
9/21/2016 02:00	9/21/2016 04:30	2.5	WORKOVER	PRODUCTION TUBING	WOV_TBG	Finish running production
9/21/2016 04:30	9/21/2016 06:00	1.5	WORKOVER	PRODUCTION TUBING	WOV_TBG	Space out and land tubing ND Stack

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Report #: 51 Daily Operation: 9/21/2016 06:00 - 9/22/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 038162	
Days From Spud (days) 152	Days on Location (days) 51	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 30		

Operations Summary

Nipple down BOP Flange well, RD WOR test void and well head to 5K, pump out disk @ 1800 psi pumped 110 bbls @ 5 B/M @ 1200 psi ISIP 600 psi, SIP 500 psi TOTP

Remarks

working tanks: #609, #477, #545, #589, #544, #445

Sand Box in Use: R039

Hauled--Sand Box # R-003, Sand Box R-022, R-035(13yds sand)

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
9/21/2016 06:00	9/21/2016 07:45	1.75	SETUP	RIG UP OR RIG DOWN	RURD	Nipple down bop Flange well
9/21/2016 07:45	9/21/2016 08:30	0.75	SETUP	RIG UP OR RIG DOWN	RURD	Rig down WOR and support equipment
9/21/2016 08:30	9/21/2016 09:30	1	TEST	WELLHEAD	TEST_W H	Test void and well head to 5K
9/21/2016 09:30	9/21/2016 11:49	2.33 3	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	wait on WOR to rig up on 37 H
9/21/2016 11:49	9/21/2016 12:20	0.51	PUMP DOWN	BREAK DISK	PD_DISK	RU KLX pump test lines to 5K pump out disk @ 1800 psi pumped 110 bbls of treated water @ 5 B/M @ 1200 psi ISIP 600 psi SIP 500 psi
9/21/2016 12:20	9/22/2016 06:00	17.6 57	NONOPS	WELL SHUT IN	SHUT_IN	Turn well over to production

WELL DETAILS

Well Name UNIVERSITY 7-43 38H	API/UWI 42-003-47346-0000	Operator PIONEER NATURAL RESRC USA, INC
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Wellbore Hole Size

Section Des	Size (in)	Act Top (ftKB)	Act Btm (ftKB)	Start Date	End Date
CONDUCTOR	30	29.0	129.0	3/30/2016	3/30/2016
SURFACE	17 1/2	129.0	2,010.0	4/23/2016	4/24/2016
INTERMEDIATE	12 1/4	2,010.0	6,040.0	4/25/2016	4/27/2016
PRODUCTION	8 3/4	6,040.0	10,100.0	5/29/2016	6/1/2016
PRODUCTION 2	8 1/2	10,100.0	19,795.0	6/2/2016	6/6/2016

Conductor Casing

Run Date 3/30/2016	Set Depth (ftKB) 100.0	Centralizers						
Item Des	OD (in)	ID (in)	Wt/Lgth (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)
CONDUCTOR	20	19.25	94.00	L-80	100.00	1	0.0	100.0
Run Date 3/30/2016	Set Depth (ftKB) 129.0	Centralizers						
Item Des	OD (in)	ID (in)	Wt/Lgth (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)
CONDUCTOR	20	19.625	78.60	H-40	100.00	2	29.0	129.0

Surface Casing

Set Depth (ftKB) 2,000.0	Run Date 3/1/2016	Centralizers						
Item Des	OD (in)	ID (in)	Wt/Lgth (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)
CASING JOINTS	13 3/8	12.615	54.50	J-55	2,000.00	50	0.0	2,000.0
Set Depth (ftKB) 2,010.0	Run Date 4/24/2016	Centralizers 11						
Item Des	OD (in)	ID (in)	Wt/Lgth (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)
CASING JOINTS	13 3/8	12.615	54.50	J-55	1,972.39	48	-5.6	1,966.8
FLOAT COLLAR	13 3/8	12.615		J-55	1.45	1	1,966.8	1,968.3
CASING JOINTS	13 3/8	12.615	54.50	J-55	39.71	1	1,968.3	2,008.0
FLOAT SHOE	13 3/8	12.615		J-55	2.00	1	2,008.0	2,010.0

Surface Casing Cement

Type Casing	String SURFACE, 2,010.0ftKB	Cementing Start Date 4/25/2016	Cementing End Date 4/25/2016	Cementing Company SCHLUMBERGER	Top (ftKB) 29.0	Btm (ftKB) 2,010.0
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Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Class 0	Amount (sacks) 0	Yield (ft³/sack) 0	Density (lb/gal) 8.30
Class Class C	Amount (sacks) 1,344	Yield (ft³/sack) 1.69	Density (lb/gal) 13.00
Class Class C	Amount (sacks) 377	Yield (ft³/sack) 1.68	Density (lb/gal) 13.60
Class Displace	Amount (sacks) 0	Yield (ft³/sack) 0.00	Density (lb/gal) 8.34

Intermediate Casing

Set Depth (ftKB) 6,022.0	Run Date 4/28/2016	Centralizers 13						
Item Des	OD (in)	ID (in)	Wt/Lgth (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)
CASING JOINTS	9 5/8	8.835	40.00	L-80 IC	0.00	0	-3.4	-3.4
LANDING JOINT	9 5/8	8.835			35.00	1	-3.4	31.6
CASING HANGER	9 5/8	8.835			4.00	1	31.6	35.6
CASING JOINTS	9 5/8	8.835	40.00	L-80 IC	5,888.31	127	35.6	5,923.9
FLOAT COLLAR	9 5/8	8.835	40.00	L-80	2.00	1	5,923.9	5,925.9
CASING JOINTS	9 5/8	8.835	40.00	L-80 IC	94.06	2	5,925.9	6,020.0
FLOAT SHOE	9 5/8	8.835	40.00	L-80	2.00	1	6,020.0	6,022.0

Set Depth (ftKB) 6,100.0	Run Date 3/1/2016	Centralizers						
Item Des	OD (in)	ID (in)	Wt/Lgth (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)
CASING JOINTS	9 5/8	8.835	40.00	L-80 IC	6,100.00	153	0.0	6,100.0

Intermediate Casing Cement

Type Casing	String INTERMEDIATE, 6,022.0ftKB	Cementing Start Date 4/28/2016	Cementing End Date 4/28/2016	Cementing Company SCHLUMBERGER	Top (ftKB) 3,445.0	Btm (ftKB) 6,040.0
Class Water	Amount (sacks) 0	Yield (ft³/sack)		Density (lb/gal) 8.34		
Class Mudpush Epress	Amount (sacks) 0	Yield (ft³/sack)		Density (lb/gal) 11.00		
Class CLASS C	Amount (sacks) 629	Yield (ft³/sack) 2.56		Density (lb/gal) 11.50		
Class CLASS C	Amount (sacks) 321	Yield (ft³/sack) 1.33		Density (lb/gal) 14.80		
Class OBM	Amount (sacks) 0	Yield (ft³/sack)		Density (lb/gal) 8.40		

Production Casing

Set Depth (ftKB) 19,776.0	Run Date 6/8/2016	Centralizers 40 Solid Body						
Item Des	OD (in)	ID (in)	Wt/Lgth (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)
MARKER JOINT	5 1/2	4.778	20.00	P-110	0.00	0	-3.4	-3.4
CASING JOINTS	5 1/2	4.778	20.00	P-110 IC	0.00	0	-3.4	-3.4
LANDING JOINT	5 1/2	4.778			34.93	1	-3.4	31.5
CASING HANGER	5 1/2	4.778			4.00	1	31.5	35.5
CASING JOINTS	5 1/2	4.778	20.00	P-110 IC	8,625.88	208	35.5	8,661.4
MARKER JOINT	5 1/2	4.778	20.00	P-110	19.85	1	8,661.4	8,681.3
CASING JOINTS	5 1/2	4.778	20.00	P-110 IC	209.12	5	8,681.3	8,890.4
MARKER JOINT	5 1/2	4.778	20.00	P-110	19.86	1	8,890.4	8,910.2
CASING JOINTS	5 1/2	4.778	20.00	P-110 IC	5,896.68	142	8,910.2	14,806.9
MARKER JOINT	5 1/2	4.778	20.00	P-110	19.83	1	14,806.9	14,826.8
CASING JOINTS	5 1/2	4.778	20.00	P-110 IC	4,792.15	116	14,826.8	19,618.9
PUP JOINT	5 1/2	4.778			10.24	1	19,618.9	19,629.1
TOE SLEEVE - WTF	6 1/2	3.75	26.00	P-110	5.62	1	19,629.1	19,634.8
PUP JOINT	5 1/2	4.778			10.20	1	19,634.8	19,645.0
CASING JOINTS	5 1/2	4.778	20.00	P-110 IC	42.13	1	19,645.0	19,687.1
FLOAT COLLAR	5 1/2	4.548	26.00	P-110	1.60	1	19,687.1	19,688.7
CASING JOINTS	5 1/2	4.778	20.00	P-110 IC	84.61	2	19,688.7	19,773.3
FLOAT SHOE	5 1/2	4.548	26.00	P-110	2.70	1	19,773.3	19,776.0

Set Depth (ftKB) 20,239.0	Run Date 3/1/2016	Centralizers						
Item Des	OD (in)	ID (in)	Wt/Lgth (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)
CASING JOINTS	5 1/2	4.766	20.00	P-110 IC	20,239.00	506	0.0	20,239.0

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Production Casing Cement

Type Casing	String PRODUCTION, 19,776.0ftKB	Cementing Start Date 6/8/2016	Cementing End Date 6/9/2016	Cementing Company SCHLUMBERGER	Top (ftKB) 5,485.0	Btm (ftKB) 19,730.0
Class MUDPUSH	Amount (sacks) 0	Yield (ft³/sack)		Density (lb/gal) 9.50		
Class CLASS H	Amount (sacks) 374	Yield (ft³/sack) 2.48		Density (lb/gal) 11.50		
Class CLASS H	Amount (sacks) 1,664	Yield (ft³/sack) 1.57		Density (lb/gal) 13.20		
Class DISPLACEMENT	Amount (sacks) 0	Yield (ft³/sack)		Density (lb/gal) 8.33		

Cement Squeeze

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

Perforations

Top (ftKB)	Btm (ftKB)	Linked Zone	Shot Dens (shots/ft)	Entered Shot Total	Com
9,802.0	9,804.0		4.0	7	
9,842.0	9,844.0		4.0	7	
9,882.0	9,884.0		4.0	7	
9,922.0	9,924.0		4.0	7	
9,962.0	9,964.0		4.0	7	
10,002.0	10,004.0		4.0	7	
10,042.0	10,044.0		4.0	7	
10,082.0	10,084.0		4.0	7	
10,122.0	10,124.0		4.0	7	
10,162.0	10,164.0		4.0	7	
10,202.0	10,204.0		4.0	7	
10,242.0	10,244.0		4.0	7	
10,282.0	10,284.0		4.0	7	
10,322.0	10,324.0		4.0	7	
10,362.0	10,364.0		4.0	7	
10,402.0	10,404.0		4.0	7	
10,442.0	10,444.0		4.0	7	
10,482.0	10,484.0		4.0	7	
10,522.0	10,524.0		4.0	7	
10,562.0	10,564.0		4.0	7	
10,602.0	10,604.0		4.0	7	
10,642.0	10,644.0		4.0	7	
10,682.0	10,684.0		4.0	7	
10,722.0	10,724.0		4.0	7	
10,762.0	10,764.0		4.0	7	
10,802.0	10,804.0		4.0	7	
10,842.0	10,844.0		4.0	7	
10,882.0	10,884.0		4.0	7	
10,922.0	10,924.0		4.0	7	
10,962.0	10,964.0		4.0	7	
11,002.0	11,004.0		4.0	7	
11,042.0	11,044.0		4.0	7	
11,082.0	11,084.0		4.0	7	
11,122.0	11,124.0		4.0	7	
11,162.0	11,164.0		4.0	7	
11,202.0	11,204.0		4.0	7	
11,242.0	11,244.0		4.0	7	
11,282.0	11,284.0		4.0	7	
11,322.0	11,324.0		4.0	7	
11,362.0	11,364.0		4.0	7	
11,402.0	11,404.0		4.0	7	
11,442.0	11,444.0		4.0	7	
11,482.0	11,484.0		4.0	7	
11,522.0	11,524.0		4.0	7	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Perforations					
Top (ftKB)	Btm (ftKB)	Linked Zone	Shot Dens (shots/ft)	Entered Shot Total	Com
11,562.0	11,564.0		4.0	7	
11,602.0	11,604.0		4.0	7	
11,642.0	11,644.0		4.0	7	
11,682.0	11,684.0		4.0	7	
11,722.0	11,724.0		4.0	7	
11,762.0	11,764.0		4.0	7	
11,802.0	11,804.0		4.0	7	
11,842.0	11,844.0		4.0	7	
11,882.0	11,884.0		4.0	7	
11,922.0	11,924.0		4.0	7	
11,962.0	11,964.0		4.0	7	
12,002.0	12,004.0		4.0	7	
12,042.0	12,044.0		4.0	7	
12,082.0	12,084.0		4.0	7	
12,122.0	12,124.0		4.0	7	
12,162.0	12,164.0		4.0	7	
12,202.0	12,204.0		4.0	7	
12,242.0	12,244.0		4.0	7	
12,282.0	12,284.0		4.0	7	
12,322.0	12,324.0		4.0	7	
12,362.0	12,364.0		4.0	7	
12,402.0	12,404.0		4.0	7	
12,442.0	12,444.0		4.0	7	
12,482.0	12,484.0		4.0	7	
12,522.0	12,524.0		4.0	7	
12,562.0	12,564.0		4.0	7	
12,602.0	12,604.0		4.0	7	
12,642.0	12,644.0		4.0	7	
12,682.0	12,684.0		4.0	7	
12,722.0	12,724.0		4.0	7	
12,762.0	12,764.0		4.0	7	
12,802.0	12,804.0		4.0	7	
12,842.0	12,844.0		4.0	7	
12,882.0	12,884.0		4.0	7	
12,922.0	12,924.0		4.0	7	
12,962.0	12,964.0		4.0	7	
13,002.0	13,004.0		4.0	7	
13,042.0	13,044.0		4.0	7	
13,082.0	13,084.0		4.0	7	
13,122.0	13,124.0		4.0	7	
13,162.0	13,164.0		4.0	7	
13,202.0	13,204.0		4.0	7	
13,242.0	13,244.0		4.0	7	
13,282.0	13,284.0		4.0	7	
13,322.0	13,324.0		4.0	7	
13,362.0	13,364.0		4.0	7	
13,402.0	13,404.0		4.0	7	
13,442.0	13,444.0		4.0	7	
13,482.0	13,484.0		4.0	7	
13,522.0	13,524.0		4.0	7	
13,562.0	13,564.0		4.0	7	
13,602.0	13,604.0		4.0	7	
13,642.0	13,644.0		4.0	7	
13,682.0	13,684.0		4.0	7	
13,722.0	13,724.0		4.0	7	
13,762.0	13,764.0		4.0	7	
13,802.0	13,804.0		4.0	7	
13,842.0	13,844.0		4.0	7	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Perforations					
Top (ftKB)	Btm (ftKB)	Linked Zone	Shot Dens (shots/ft)	Entered Shot Total	Com
13,882.0	13,884.0		4.0	7	
13,922.0	13,924.0		4.0	7	
13,962.0	13,964.0		4.0	7	
14,002.0	14,004.0		4.0	7	
14,042.0	14,044.0		4.0	7	
14,082.0	14,084.0		4.0	7	
14,122.0	14,124.0		4.0	7	
14,162.0	14,164.0		4.0	7	
14,202.0	14,204.0		4.0	7	
14,242.0	14,244.0		4.0	7	
14,282.0	14,284.0		4.0	7	
14,322.0	14,324.0		4.0	7	
14,362.0	14,364.0		4.0	7	
14,402.0	14,404.0		4.0	7	
14,442.0	14,444.0		4.0	7	
14,482.0	14,484.0		4.0	7	
14,522.0	14,524.0		4.0	7	
14,562.0	14,564.0		4.0	7	
14,602.0	14,604.0		4.0	7	
14,642.0	14,644.0		4.0	7	
14,682.0	14,684.0		4.0	7	
14,722.0	14,724.0		4.0	7	
14,762.0	14,764.0		4.0	7	
14,802.0	14,804.0		4.0	7	
14,842.0	14,844.0		4.0	7	
14,882.0	14,884.0		4.0	7	
14,922.0	14,924.0		4.0	7	
14,962.0	14,964.0		4.0	7	
15,002.0	15,004.0		4.0	7	
15,042.0	15,044.0		4.0	7	
15,082.0	15,084.0		4.0	7	
15,122.0	15,124.0		4.0	7	
15,162.0	15,164.0		4.0	7	
15,202.0	15,204.0		4.0	7	
15,242.0	15,244.0		4.0	7	
15,282.0	15,284.0		4.0	7	
15,322.0	15,324.0		4.0	7	
15,362.0	15,364.0		4.0	7	
15,402.0	15,404.0		4.0	7	
15,442.0	15,444.0		4.0	7	
15,482.0	15,484.0		4.0	7	
15,522.0	15,524.0		4.0	7	
15,562.0	15,564.0		4.0	7	
15,602.0	15,604.0		4.0	7	
15,642.0	15,644.0		4.0	7	
15,682.0	15,684.0		4.0	7	
15,722.0	15,724.0		4.0	7	
15,762.0	15,764.0		4.0	7	
15,802.0	15,804.0		4.0	7	
15,842.0	15,844.0		4.0	7	
15,882.0	15,884.0		4.0	7	
15,922.0	15,924.0		4.0	7	
15,962.0	15,964.0		4.0	7	
16,002.0	16,004.0		4.0	7	
16,042.0	16,044.0		4.0	7	
16,082.0	16,084.0		4.0	7	
16,122.0	16,124.0		4.0	7	
16,162.0	16,164.0		4.0	7	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Perforations

Top (ftKB)	Btm (ftKB)	Linked Zone	Shot Dens (shots/ft)	Entered Shot Total	Com
16,202.0	16,204.0		4.0	7	
16,242.0	16,244.0		4.0	7	
16,282.0	16,284.0		4.0	7	
16,322.0	16,324.0		4.0	7	
16,362.0	16,364.0		4.0	7	
16,402.0	16,404.0		4.0	7	
16,442.0	16,444.0		4.0	7	
16,482.0	16,484.0		4.0	7	
16,522.0	16,524.0		4.0	7	
16,562.0	16,564.0		4.0	7	
16,602.0	16,604.0		4.0	7	
16,642.0	16,644.0		4.0	7	
16,682.0	16,684.0		4.0	7	
16,722.0	16,724.0		4.0	7	
16,762.0	16,764.0		4.0	7	
16,802.0	16,804.0		4.0	7	
16,842.0	16,844.0		4.0	7	
16,882.0	16,884.0		4.0	7	
16,922.0	16,924.0		4.0	7	
16,962.0	16,964.0		4.0	7	
17,002.0	17,004.0		4.0	7	
17,042.0	17,044.0		4.0	7	
17,082.0	17,084.0		4.0	7	
17,122.0	17,124.0		4.0	7	
17,162.0	17,164.0		4.0	7	
17,202.0	17,204.0		4.0	7	
17,242.0	17,244.0		4.0	7	
17,282.0	17,284.0		4.0	7	
17,322.0	17,324.0		4.0	7	
17,362.0	17,364.0		4.0	7	
17,402.0	17,404.0		4.0	7	
17,442.0	17,444.0		4.0	7	
17,482.0	17,484.0		4.0	7	
17,522.0	17,524.0		4.0	7	
17,562.0	17,564.0		4.0	7	
17,602.0	17,604.0		4.0	7	
17,642.0	17,644.0		4.0	7	
17,682.0	17,684.0		4.0	7	
17,722.0	17,724.0		4.0	7	
17,762.0	17,764.0		4.0	7	
17,802.0	17,804.0		4.0	7	
17,842.0	17,844.0		4.0	7	
17,882.0	17,884.0		4.0	7	
17,922.0	17,924.0		4.0	7	
17,962.0	17,964.0		4.0	7	
18,002.0	18,004.0		4.0	7	
18,042.0	18,044.0		4.0	7	
18,082.0	18,084.0		4.0	7	
18,122.0	18,124.0		4.0	7	
18,162.0	18,164.0		4.0	7	
18,202.0	18,204.0		4.0	7	
18,242.0	18,244.0		4.0	7	
18,282.0	18,284.0		4.0	7	
18,322.0	18,324.0		4.0	7	
18,362.0	18,364.0		4.0	7	
18,402.0	18,404.0		4.0	7	
18,442.0	18,444.0		4.0	7	
18,482.0	18,484.0		4.0	7	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Perforations

Top (ftKB)	Btm (ftKB)	Linked Zone	Shot Dens (shots/ft)	Entered Shot Total	Com
18,522.0	18,524.0		4.0	7	
18,562.0	18,564.0		4.0	7	
18,602.0	18,604.0		4.0	7	
18,642.0	18,644.0		4.0	7	
18,682.0	18,684.0		4.0	7	
18,722.0	18,724.0		4.0	7	
18,762.0	18,764.0		4.0	7	
18,802.0	18,804.0		4.0	7	
18,842.0	18,844.0		4.0	7	
18,882.0	18,884.0		4.0	7	
18,922.0	18,924.0		4.0	7	
18,962.0	18,964.0		4.0	7	
19,002.0	19,004.0		4.0	7	
19,042.0	19,044.0		4.0	7	
19,082.0	19,084.0		4.0	7	
19,122.0	19,124.0		4.0	7	
19,162.0	19,164.0		4.0	7	
19,202.0	19,204.0		4.0	7	
19,242.0	19,244.0		4.0	7	
19,282.0	19,284.0		4.0	7	
19,322.0	19,324.0		4.0	7	
19,362.0	19,364.0		4.0	7	
19,402.0	19,404.0		3.0	7	
19,442.0	19,444.0		3.0	7	
19,482.0	19,484.0		3.0	7	
19,522.0	19,524.0		3.0	7	
19,562.0	19,564.0		3.0	7	
19,602.0	19,604.0		3.0	7	

Stimulations & Treatments (Actual)

1, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
8/15/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	19,402.0	19,604.0	335,126.0	12,132.00

2, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
8/15/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	19,162.0	19,364.0	330,064.0	11,674.00

3, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
8/16/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	18,922.0	19,124.0	327,170.0	11,429.00

4, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
8/16/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	18,682.0	18,884.0	326,646.0	11,380.00

5, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
8/16/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	18,442.0	18,644.0	325,384.0	11,249.00

6, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
8/17/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	18,202.0	18,404.0	324,363.0	11,373.00

7, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
8/17/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	17,962.0	18,164.0	325,256.0	11,280.00

8, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
8/18/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	17,722.0	17,924.0	325,510.0	11,779.00

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Stimulations & Treatments (Actual)

9, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
8/18/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	17,482.0	17,684.0	322,234.0	11,443.00

10, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
8/19/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	17,242.0	17,444.0	324,521.0	10,898.00

11, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
8/19/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	17,002.0	17,204.0	320,231.0	11,201.00

12, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
8/20/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	16,762.0	16,964.0	320,140.0	10,664.00

13, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
8/20/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	16,522.0	16,724.0	320,554.0	11,505.00

14, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
8/21/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	16,282.0	16,484.0	322,506.0	10,160.00

15, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
8/21/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	16,042.0	16,244.0	322,049.0	10,705.00

16, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
8/22/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	15,802.0	16,004.0	318,359.0	11,312.00

17, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
8/22/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	15,562.0	15,764.0	323,948.0	11,357.00

18, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
8/23/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	15,322.0	15,524.0	322,687.0	11,228.00

19, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
8/24/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	15,082.0	15,284.0	324,648.0	11,584.00

20, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
8/24/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	14,842.0	15,044.0	336,547.0	11,435.00

21, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
8/25/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	14,602.0	14,804.0	335,133.0	11,035.00

22, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
8/25/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	14,362.0	14,564.0	342,866.0	10,970.00

23, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
8/26/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	14,122.0	14,324.0	345,091.0	11,518.00

24, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
8/26/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	13,882.0	14,084.0	333,099.0	11,535.00

25, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
8/27/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	13,642.0	13,844.0	326,353.0	11,328.00

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Stimulations & Treatments (Actual)						
26, <Zone?>						
Date 8/27/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 13,402.0	Bottom Depth (ftKB) 13,604.0	Proppant Total (lb) 311,284.0	Total Clean Vol (bbl) 11,434.00
27, <Zone?>						
Date 8/28/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 13,162.0	Bottom Depth (ftKB) 13,364.0	Proppant Total (lb) 312,455.0	Total Clean Vol (bbl) 11,275.00
28, <Zone?>						
Date 8/28/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 12,922.0	Bottom Depth (ftKB) 13,124.0	Proppant Total (lb) 326,042.0	Total Clean Vol (bbl) 11,114.00
29, <Zone?>						
Date 8/29/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 12,682.0	Bottom Depth (ftKB) 12,884.0	Proppant Total (lb) 335,620.0	Total Clean Vol (bbl) 11,606.00
30, <Zone?>						
Date 8/29/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 12,442.0	Bottom Depth (ftKB) 12,644.0	Proppant Total (lb) 325,407.0	Total Clean Vol (bbl) 10,972.00
31, <Zone?>						
Date 8/29/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 12,202.0	Bottom Depth (ftKB) 12,404.0	Proppant Total (lb) 323,013.0	Total Clean Vol (bbl) 13,100.00
32, <Zone?>						
Date 8/30/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 11,962.0	Bottom Depth (ftKB) 12,164.0	Proppant Total (lb) 339,542.0	Total Clean Vol (bbl) 10,926.00
33, <Zone?>						
Date 8/31/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 11,722.0	Bottom Depth (ftKB) 11,924.0	Proppant Total (lb) 334,559.0	Total Clean Vol (bbl) 11,667.00
34, <Zone?>						
Date 8/31/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 11,482.0	Bottom Depth (ftKB) 11,684.0	Proppant Total (lb) 346,472.0	Total Clean Vol (bbl) 11,452.00
35, <Zone?>						
Date 8/31/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 11,242.0	Bottom Depth (ftKB) 11,444.0	Proppant Total (lb) 365,053.0	Total Clean Vol (bbl) 11,550.00
36, <Zone?>						
Date 9/1/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 11,002.0	Bottom Depth (ftKB) 11,204.0	Proppant Total (lb) 338,013.0	Total Clean Vol (bbl) 11,475.00
37, <Zone?>						
Date 9/1/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 10,762.0	Bottom Depth (ftKB) 10,964.0	Proppant Total (lb) 346,627.0	Total Clean Vol (bbl) 11,387.00
38, <Zone?>						
Date 9/2/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 10,522.0	Bottom Depth (ftKB) 10,724.0	Proppant Total (lb) 343,465.0	Total Clean Vol (bbl) 11,503.00
39, <Zone?>						
Date 9/2/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 10,282.0	Bottom Depth (ftKB) 10,484.0	Proppant Total (lb) 343,332.0	Total Clean Vol (bbl) 11,197.00
40, <Zone?>						
Date 9/2/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 10,042.0	Bottom Depth (ftKB) 10,244.0	Proppant Total (lb) 333,700.0	Total Clean Vol (bbl) 11,169.00
41, <Zone?>						
Date 9/3/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 9,802.0	Bottom Depth (ftKB) 10,004.0	Proppant Total (lb) 344,620.0	Total Clean Vol (bbl) 10,927.00
Zones						
Zone Name					Top (ftKB)	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Tubing Details

Tubing Description TUBING - PRODUCTION	Set Depth (ftKB) 9,416.9	Run Date 9/20/2016
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Tubing Components

Item Des	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)
TUBING HANGER	7 1/16	6.50	L-80	0.65	1	29.4	30.1
TUBING	2 7/8	6.50	L-80	33.08	1	30.1	63.2
TUBING PUP JOINT	2 7/8	6.50	L-80	8.10	1	63.2	71.3
TUBING PUP JOINT	2 7/8	6.50	L-80	6.10	1	71.3	77.4
TUBING PUP JOINT	2 7/8	6.50	L-80	4.67	1	77.4	82.0
TUBING PUP JOINT	2 7/8	6.50	L-80	5.01	1	82.0	87.1
TUBING	2 7/8	6.50	L-80	1,652.35	50	87.1	1,739.4
GAS LIFT MANDREL	4.335	6.50	L-80	4.10	1	1,739.4	1,743.5
TUBING	2 7/8	6.50	L-80	629.55	19	1,743.5	2,373.1
GAS LIFT MANDREL	4.335	6.50	L-80	4.10	1	2,373.1	2,377.2
TUBING	2 7/8	6.50	L-80	493.03	15	2,377.2	2,870.2
GAS LIFT MANDREL	4.335	6.50	L-80	4.10	1	2,870.2	2,874.3
TUBING	2 7/8	6.50	L-80	527.54	16	2,874.3	3,401.8
GAS LIFT MANDREL	4.335	6.50	L-80	4.10	1	3,401.8	3,405.9
TUBING	2 7/8	6.50	L-80	496.99	15	3,405.9	3,902.9
GAS LIFT MANDREL	4.335	6.50	L-80	4.10	1	3,902.9	3,907.0
TUBING	2 7/8	6.50	L-80	497.13	15	3,907.0	4,404.1
GAS LIFT MANDREL	4.335	6.50	L-80	4.10	1	4,404.1	4,408.2
TUBING	2 7/8	6.50	L-80	530.29	16	4,408.2	4,938.5
GAS LIFT MANDREL	4.335	6.50	L-80	4.10	1	4,938.5	4,942.6
TUBING	2 7/8	6.50	L-80	491.68	15	4,942.6	5,434.3
GAS LIFT MANDREL	4.335	6.50	L-80	4.10	1	5,434.3	5,438.4
TUBING	2 7/8	6.50	L-80	495.73	16	5,438.4	5,934.1
GAS LIFT MANDREL	4.335	6.50	L-80	4.10	1	5,934.1	5,938.2
TUBING	2 7/8	6.50	L-80	527.89	16	5,938.2	6,466.1
GAS LIFT MANDREL	4.335	6.50	L-80	4.10	1	6,466.1	6,470.2
TUBING	2 7/8	6.50	L-80	563.38	17	6,470.2	7,033.6
GAS LIFT MANDREL	4.335	6.50	L-80	4.10	1	7,033.6	7,037.7
TUBING	2 7/8	6.50	L-80	563.23	17	7,037.7	7,600.9
GAS LIFT MANDREL	4.335	6.50	L-80	4.10	1	7,600.9	7,605.0
TUBING	2 7/8	6.50	L-80	530.24	16	7,605.0	8,135.3
GAS LIFT MANDREL	4.335	6.50	L-80	4.10	1	8,135.3	8,139.4
TUBING	2 7/8	6.50	L-80	629.59	19	8,139.4	8,769.0
GAS LIFT MANDREL	4.335	6.50	L-80	4.10	1	8,769.0	8,773.1
TUBING	2 7/8	6.50	L-80	463.74	14	8,773.1	9,236.8
PROFILE NIPPLE	3.2	6.50	L-80	1.10	1	9,236.8	9,237.9
TUBING	2 7/8	6.50	L-80	132.52	4	9,237.9	9,370.4
GAS LIFT MANDREL	4.335	6.50	L-80	4.10	1	9,370.4	9,374.5
TUBING	2 7/8	6.50	L-80	33.15	1	9,374.5	9,407.7
ON/OFF TOOL	4 1/2	6.50	L-80	1.47	1	9,407.7	9,409.2
PACKER	4 1/2	6.50	L-80	7.30	1	9,409.2	9,416.5
PUMP OUT PLUG	3.67	6.50	L-80	0.45	1	9,416.5	9,416.9

Rod Strings

Rod Description	Set Depth (ftKB)	Run Date
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Rod Components

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

Other In Hole

Des	Top (ftKB)	Btm (ftKB)	OD (in)	Run Date	Pull Date	Com	String	Wellbore
FRAC PLUG	19,619.0	19,621.0	4.38	8/2/2016		Stage 1	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	19,384.0	19,386.0	4.38	8/15/2016	9/19/2016	Stage 2	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	19,144.0	19,146.0	4.38	8/15/2016	9/19/2016	Stage 3	PRODUCTION, 19,776.0ftKB	ORIGINAL

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Other In Hole								
Des	Top (ftKB)	Btm (ftKB)	OD (in)	Run Date	Pull Date	Com	String	Wellbore
FRAC PLUG	18,904.0	18,906.0	4.38	8/16/2016	9/19/2016	Stage 4	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	18,664.0	18,666.0	4.38	8/16/2016	9/19/2016	Stage 5	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	18,424.0	18,426.0	4.38	8/17/2016	9/15/2016	Stage 6	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	18,184.0	18,186.0	4.38	8/17/2016	9/15/2016	Stage 7	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	17,944.0	17,946.0	4.38	8/18/2016	9/15/2016	Stage 8	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	17,700.0	17,702.0	4.38	8/18/2016	9/15/2016	Stage 9	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	17,464.0	17,466.0	4.38	8/19/2016	9/15/2016	stage 10	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	17,224.0	17,226.0	4.38	8/19/2016	9/11/2016	Stage 11	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	16,984.0	16,986.0	4.38	8/20/2016	9/11/2016	Stage 12	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	16,744.0	16,746.0	4.38	8/20/2016	9/11/2016	Stage 13	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	16,504.0	16,506.0	4.38	8/20/2016	9/11/2016	Stage 14	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	16,264.0	16,266.0	4.38	8/21/2016	9/11/2016	Stage 15	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	16,030.0	16,032.0	4.38	8/21/2016	9/11/2016	Stage 16 moved to avoid CC	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	15,784.0	15,786.0	4.38	8/22/2016	9/11/2016	Stage 17	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	15,544.0	15,546.0	4.38	8/22/2016	9/11/2016	Stage 18	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	15,304.0	15,306.0	4.38	8/23/2016	9/11/2016	Stage 19	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	15,062.0	15,064.0	4.38	8/24/2016	9/11/2016	Stage 20	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	14,824.0	14,826.0	4.38	8/25/2016	9/10/2016	Stage 21	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	14,580.0	14,582.0	4.38	8/25/2016	9/10/2016	Stage 22	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	14,344.0	14,346.0	4.38	8/25/2016	9/10/2016	Stage 23	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	14,104.0	14,106.0	4.38	8/26/2016	9/10/2016	Stage 24	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	13,864.0	13,866.0	4.38	8/26/2016	9/10/2016	Stage 25	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	13,624.0	13,626.0	4.38	8/27/2016	9/10/2016	Stage 26	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	13,384.0	13,386.0	4.38	8/27/2016	9/10/2016	Stage 27	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	13,144.0	13,146.0	4.38	8/28/2016	9/10/2016	Stage 28	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	12,904.0	12,906.0	4.38	8/28/2016	9/10/2016	Stage 29	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	12,664.0	12,666.0	4.38	8/29/2016	9/10/2016	Stage 30	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	12,424.0	12,426.0	4.38	8/29/2016	9/10/2016	Stage 31	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	12,184.0	12,186.0	4.38	8/30/2016	9/10/2016	Stage 32	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	11,948.0	11,950.0	4.38	8/30/2016	9/10/2016	Stage 33	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	11,704.0	11,706.0	4.38	8/31/2016	9/10/2016	Stage 34	PRODUCTION, 19,776.0ftKB	ORIGINAL

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Other In Hole

Des	Top (ftKB)	Btm (ftKB)	OD (in)	Run Date	Pull Date	Com	String	Wellbore
FRAC PLUG	11,464.0	11,466.0	4.38	8/31/2016	9/9/2016	Stage 35	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	11,224.0	11,226.0	4.38	8/31/2016	9/9/2016	Stage 36	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	10,984.0	10,986.0	4.38	9/1/2016	9/9/2016	Stage 37	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	10,744.0	10,746.0	4.38	9/1/2016	9/9/2016	Stage 38	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	10,504.0	10,506.0	4.38	9/2/2016	9/9/2016	Stage 39	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	10,264.0	10,266.0	4.38	9/2/2016	9/9/2016	Stage 40	PRODUCTION, 19,776.0ftKB	ORIGINAL
FRAC PLUG	10,024.0	10,026.0	4.38	9/3/2016	9/9/2016	Stage 41	PRODUCTION, 19,776.0ftKB	ORIGINAL

Well Tests

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

Directional Survey

Date		Description					
4/23/2016		ACTUAL SURVEY					
Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Unwrap Displace (ft)	Survey Company	
6/6/2016	0.00	0.00	0.00	0.00	0.00	LEAM DRILLING SYSTEMS, INC.	
4/23/2016	222.00	0.40	72.90	222.00	0.77	LEAM DRILLING SYSTEMS, INC.	
4/23/2016	312.00	0.60	68.70	311.99	1.56	LEAM DRILLING SYSTEMS, INC.	
4/23/2016	403.00	0.80	66.30	402.99	2.67	LEAM DRILLING SYSTEMS, INC.	
4/23/2016	493.00	0.70	68.60	492.98	3.85	LEAM DRILLING SYSTEMS, INC.	
4/23/2016	583.00	0.70	90.80	582.97	4.93	LEAM DRILLING SYSTEMS, INC.	
4/23/2016	678.00	1.00	93.50	677.96	6.34	LEAM DRILLING SYSTEMS, INC.	
4/23/2016	768.00	0.80	109.80	767.95	7.74	LEAM DRILLING SYSTEMS, INC.	
4/23/2016	858.00	0.50	114.30	857.95	8.76	LEAM DRILLING SYSTEMS, INC.	
4/23/2016	952.00	0.50	115.80	951.94	9.58	LEAM DRILLING SYSTEMS, INC.	
4/23/2016	1,046.00	0.70	118.90	1,045.94	10.56	LEAM DRILLING SYSTEMS, INC.	
4/23/2016	1,140.00	0.60	114.50	1,139.93	11.63	LEAM DRILLING SYSTEMS, INC.	
4/23/2016	1,234.00	0.50	133.10	1,233.93	12.52	LEAM DRILLING SYSTEMS, INC.	
4/23/2016	1,327.00	0.30	129.50	1,326.92	13.17	LEAM DRILLING SYSTEMS, INC.	
4/23/2016	1,421.00	0.30	121.60	1,420.92	13.66	LEAM DRILLING SYSTEMS, INC.	
4/23/2016	1,514.00	0.10	187.10	1,513.92	13.94	LEAM DRILLING SYSTEMS, INC.	
4/23/2016	1,608.00	0.40	154.30	1,607.92	14.34	LEAM DRILLING SYSTEMS, INC.	
4/23/2016	1,702.00	0.20	183.00	1,701.92	14.82	LEAM DRILLING SYSTEMS, INC.	
4/23/2016	1,796.00	0.30	175.90	1,795.92	15.23	LEAM DRILLING SYSTEMS, INC.	
4/23/2016	1,890.00	0.20	182.70	1,889.92	15.64	LEAM DRILLING SYSTEMS, INC.	
4/24/2016	1,952.00	0.10	257.50	1,951.92	15.77	LEAM DRILLING SYSTEMS, INC.	
4/25/2016	2,077.00	0.40	283.70	2,076.92	16.31	LEAM DRILLING SYSTEMS, INC.	
4/26/2016	2,171.00	0.40	281.30	2,170.92	16.97	LEAM DRILLING SYSTEMS, INC.	
4/26/2016	2,265.00	0.20	277.50	2,264.91	17.46	LEAM DRILLING SYSTEMS, INC.	
4/26/2016	2,359.00	0.50	273.40	2,358.91	18.03	LEAM DRILLING SYSTEMS, INC.	
4/26/2016	2,453.00	0.40	262.40	2,452.91	18.77	LEAM DRILLING SYSTEMS, INC.	
4/26/2016	2,546.00	0.40	273.70	2,545.91	19.41	LEAM DRILLING SYSTEMS, INC.	
4/26/2016	2,641.00	1.10	66.60	2,640.90	20.05	LEAM DRILLING SYSTEMS, INC.	
4/26/2016	2,735.00	1.80	75.80	2,734.87	22.42	LEAM DRILLING SYSTEMS, INC.	
4/26/2016	2,828.00	2.80	55.10	2,827.80	26.09	LEAM DRILLING SYSTEMS, INC.	
4/26/2016	2,922.00	3.60	52.20	2,921.65	31.34	LEAM DRILLING SYSTEMS, INC.	
4/26/2016	3,016.00	3.40	56.50	3,015.47	37.07	LEAM DRILLING SYSTEMS, INC.	
4/26/2016	3,110.00	4.50	53.30	3,109.25	43.55	LEAM DRILLING SYSTEMS, INC.	
4/26/2016	3,204.00	6.40	54.90	3,202.82	52.47	LEAM DRILLING SYSTEMS, INC.	
4/26/2016	3,297.00	6.70	58.20	3,295.21	63.08	LEAM DRILLING SYSTEMS, INC.	
4/26/2016	3,391.00	7.80	59.20	3,388.46	74.94	LEAM DRILLING SYSTEMS, INC.	
4/26/2016	3,485.00	8.60	61.20	3,481.50	88.34	LEAM DRILLING SYSTEMS, INC.	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Unwrap Displace (ft)	Survey Company
4/26/2016	3,578.00	10.00	60.50	3,573.27	103.37	LEAM DRILLING SYSTEMS, INC.
4/26/2016	3,672.00	11.00	59.80	3,665.70	120.50	LEAM DRILLING SYSTEMS, INC.
4/26/2016	3,766.00	11.30	60.30	3,757.93	138.68	LEAM DRILLING SYSTEMS, INC.
4/26/2016	3,860.00	11.80	55.20	3,850.02	157.48	LEAM DRILLING SYSTEMS, INC.
4/26/2016	3,953.00	12.40	53.10	3,940.96	176.97	LEAM DRILLING SYSTEMS, INC.
4/26/2016	4,047.00	12.30	52.60	4,032.78	197.08	LEAM DRILLING SYSTEMS, INC.
4/26/2016	4,141.00	12.70	53.30	4,124.55	217.42	LEAM DRILLING SYSTEMS, INC.
4/26/2016	4,234.00	12.50	54.10	4,215.31	237.71	LEAM DRILLING SYSTEMS, INC.
4/26/2016	4,328.00	12.40	53.30	4,307.10	257.98	LEAM DRILLING SYSTEMS, INC.
4/26/2016	4,422.00	12.60	53.00	4,398.88	278.32	LEAM DRILLING SYSTEMS, INC.
4/26/2016	4,515.00	13.00	54.10	4,489.56	298.92	LEAM DRILLING SYSTEMS, INC.
4/26/2016	4,609.00	12.60	55.50	4,581.23	319.75	LEAM DRILLING SYSTEMS, INC.
4/27/2016	4,703.00	12.10	55.90	4,673.05	339.85	LEAM DRILLING SYSTEMS, INC.
4/27/2016	4,796.00	11.60	55.40	4,764.07	358.95	LEAM DRILLING SYSTEMS, INC.
4/27/2016	4,890.00	11.10	57.20	4,856.23	377.45	LEAM DRILLING SYSTEMS, INC.
4/27/2016	4,984.00	10.80	57.00	4,948.52	395.30	LEAM DRILLING SYSTEMS, INC.
5/29/2016	5,077.00	10.50	55.60	5,039.92	412.49	LEAM DRILLING SYSTEMS, INC.
5/29/2016	5,171.00	10.60	55.00	5,132.33	429.70	LEAM DRILLING SYSTEMS, INC.
5/29/2016	5,265.00	10.60	55.60	5,224.73	446.99	LEAM DRILLING SYSTEMS, INC.
5/29/2016	5,359.00	10.80	57.10	5,317.09	464.44	LEAM DRILLING SYSTEMS, INC.
5/29/2016	5,453.00	10.80	57.70	5,409.43	482.06	LEAM DRILLING SYSTEMS, INC.
5/29/2016	5,547.00	10.30	58.00	5,501.84	499.27	LEAM DRILLING SYSTEMS, INC.
5/29/2016	5,640.00	9.90	59.20	5,593.40	515.57	LEAM DRILLING SYSTEMS, INC.
5/29/2016	5,734.00	9.20	58.10	5,686.09	531.17	LEAM DRILLING SYSTEMS, INC.
5/29/2016	5,828.00	9.00	59.30	5,778.91	546.03	LEAM DRILLING SYSTEMS, INC.
5/29/2016	5,922.00	8.80	59.60	5,871.78	560.58	LEAM DRILLING SYSTEMS, INC.
5/29/2016	5,985.00	8.90	60.50	5,934.03	570.27	LEAM DRILLING SYSTEMS, INC.
5/30/2016	6,121.00	8.80	61.10	6,068.41	591.19	LEAM DRILLING SYSTEMS, INC.
5/30/2016	6,215.00	10.30	61.40	6,161.10	606.79	LEAM DRILLING SYSTEMS, INC.
5/30/2016	6,309.00	10.70	63.40	6,253.53	623.91	LEAM DRILLING SYSTEMS, INC.
5/30/2016	6,402.00	10.60	63.90	6,344.93	641.10	LEAM DRILLING SYSTEMS, INC.
5/30/2016	6,496.00	10.00	64.60	6,437.41	657.91	LEAM DRILLING SYSTEMS, INC.
5/30/2016	6,590.00	11.30	59.50	6,529.79	675.26	LEAM DRILLING SYSTEMS, INC.
5/30/2016	6,683.00	10.60	59.50	6,621.10	692.93	LEAM DRILLING SYSTEMS, INC.
5/30/2016	6,777.00	9.90	60.50	6,713.60	709.66	LEAM DRILLING SYSTEMS, INC.
5/30/2016	6,871.00	11.30	55.40	6,805.99	726.93	LEAM DRILLING SYSTEMS, INC.
5/30/2016	6,964.00	11.00	56.30	6,897.24	744.91	LEAM DRILLING SYSTEMS, INC.
5/30/2016	7,058.00	10.10	56.20	6,989.65	762.12	LEAM DRILLING SYSTEMS, INC.
5/30/2016	7,152.00	8.90	54.90	7,082.36	777.64	LEAM DRILLING SYSTEMS, INC.
5/30/2016	7,245.00	8.50	57.90	7,174.29	791.70	LEAM DRILLING SYSTEMS, INC.
5/30/2016	7,339.00	9.80	60.70	7,267.09	806.64	LEAM DRILLING SYSTEMS, INC.
5/30/2016	7,433.00	8.40	61.80	7,359.91	821.51	LEAM DRILLING SYSTEMS, INC.
5/30/2016	7,527.00	9.10	54.00	7,452.81	835.78	LEAM DRILLING SYSTEMS, INC.
5/30/2016	7,621.00	9.90	54.00	7,545.52	851.29	LEAM DRILLING SYSTEMS, INC.
5/30/2016	7,714.00	9.80	55.40	7,637.15	867.20	LEAM DRILLING SYSTEMS, INC.
5/30/2016	7,808.00	11.30	58.10	7,729.56	884.40	LEAM DRILLING SYSTEMS, INC.
5/30/2016	7,902.00	9.30	59.10	7,822.04	901.21	LEAM DRILLING SYSTEMS, INC.
5/30/2016	7,995.00	8.30	58.80	7,913.95	915.44	LEAM DRILLING SYSTEMS, INC.
5/30/2016	8,089.00	9.10	60.70	8,006.87	929.65	LEAM DRILLING SYSTEMS, INC.
5/30/2016	8,183.00	11.30	60.20	8,099.37	946.30	LEAM DRILLING SYSTEMS, INC.
5/31/2016	8,276.00	9.30	60.00	8,190.87	962.93	LEAM DRILLING SYSTEMS, INC.
5/31/2016	8,370.00	9.10	56.20	8,283.66	977.95	LEAM DRILLING SYSTEMS, INC.
5/31/2016	8,464.00	9.30	57.60	8,376.45	992.97	LEAM DRILLING SYSTEMS, INC.
5/31/2016	8,557.00	10.20	60.20	8,468.11	1,008.72	LEAM DRILLING SYSTEMS, INC.
5/31/2016	8,651.00	9.60	62.70	8,560.71	1,024.88	LEAM DRILLING SYSTEMS, INC.
5/31/2016	8,745.00	9.20	58.80	8,653.45	1,040.22	LEAM DRILLING SYSTEMS, INC.
5/31/2016	8,839.00	7.20	59.10	8,746.48	1,053.63	LEAM DRILLING SYSTEMS, INC.
6/1/2016	8,950.00	8.00	79.45	8,856.53	1,068.08	LEAM DRILLING SYSTEMS, INC.
6/1/2016	9,044.00	18.20	106.25	8,948.03	1,088.88	LEAM DRILLING SYSTEMS, INC.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Unwrap Displace (ft)	Survey Company
6/1/2016	9,137.00	22.70	117.49	9,035.18	1,121.22	LEAM DRILLING SYSTEMS, INC.
6/1/2016	9,231.00	27.30	146.04	9,120.66	1,159.86	LEAM DRILLING SYSTEMS, INC.
6/1/2016	9,325.00	33.40	158.33	9,201.82	1,207.11	LEAM DRILLING SYSTEMS, INC.
6/1/2016	9,418.00	41.50	157.16	9,275.59	1,263.61	LEAM DRILLING SYSTEMS, INC.
6/1/2016	9,512.00	50.60	158.06	9,340.76	1,331.21	LEAM DRILLING SYSTEMS, INC.
6/1/2016	9,606.00	56.50	164.90	9,396.63	1,406.72	LEAM DRILLING SYSTEMS, INC.
6/1/2016	9,700.00	68.40	167.00	9,440.03	1,489.90	LEAM DRILLING SYSTEMS, INC.
6/1/2016	9,793.00	79.30	166.75	9,465.86	1,579.10	LEAM DRILLING SYSTEMS, INC.
6/1/2016	9,887.00	88.60	164.61	9,475.75	1,672.46	LEAM DRILLING SYSTEMS, INC.
6/1/2016	9,981.00	89.10	166.02	9,477.64	1,766.44	LEAM DRILLING SYSTEMS, INC.
6/2/2016	10,091.00	91.10	165.73	9,477.45	1,876.44	LEAM DRILLING SYSTEMS, INC.
6/2/2016	10,185.00	91.40	166.09	9,475.40	1,970.41	LEAM DRILLING SYSTEMS, INC.
6/2/2016	10,279.00	91.30	167.25	9,473.18	2,064.39	LEAM DRILLING SYSTEMS, INC.
6/2/2016	10,373.00	91.30	167.45	9,471.05	2,158.36	LEAM DRILLING SYSTEMS, INC.
6/2/2016	10,466.00	91.30	165.86	9,468.94	2,251.34	LEAM DRILLING SYSTEMS, INC.
6/2/2016	10,560.00	91.30	165.50	9,466.81	2,345.31	LEAM DRILLING SYSTEMS, INC.
6/2/2016	10,654.00	91.40	165.16	9,464.59	2,439.28	LEAM DRILLING SYSTEMS, INC.
6/2/2016	10,747.00	91.10	165.38	9,462.57	2,532.26	LEAM DRILLING SYSTEMS, INC.
6/2/2016	10,841.00	90.30	166.12	9,461.42	2,626.25	LEAM DRILLING SYSTEMS, INC.
6/2/2016	10,934.00	90.30	167.18	9,460.93	2,719.25	LEAM DRILLING SYSTEMS, INC.
6/2/2016	11,028.00	90.10	166.74	9,460.60	2,813.25	LEAM DRILLING SYSTEMS, INC.
6/2/2016	11,122.00	90.20	165.30	9,460.36	2,907.25	LEAM DRILLING SYSTEMS, INC.
6/2/2016	11,216.00	89.50	165.04	9,460.60	3,001.25	LEAM DRILLING SYSTEMS, INC.
6/2/2016	11,310.00	90.50	165.56	9,460.60	3,095.25	LEAM DRILLING SYSTEMS, INC.
6/2/2016	11,403.00	90.60	165.06	9,459.71	3,188.24	LEAM DRILLING SYSTEMS, INC.
6/3/2016	11,497.00	91.40	164.20	9,458.07	3,282.22	LEAM DRILLING SYSTEMS, INC.
6/3/2016	11,591.00	91.30	163.64	9,455.85	3,376.20	LEAM DRILLING SYSTEMS, INC.
6/3/2016	11,684.00	91.30	165.02	9,453.74	3,469.17	LEAM DRILLING SYSTEMS, INC.
6/3/2016	11,778.00	91.40	164.48	9,451.53	3,563.15	LEAM DRILLING SYSTEMS, INC.
6/3/2016	11,872.00	91.30	165.40	9,449.31	3,657.12	LEAM DRILLING SYSTEMS, INC.
6/3/2016	11,966.00	91.30	164.92	9,447.18	3,751.09	LEAM DRILLING SYSTEMS, INC.
6/3/2016	12,060.00	90.90	164.75	9,445.38	3,845.08	LEAM DRILLING SYSTEMS, INC.
6/3/2016	12,153.00	90.40	165.13	9,444.32	3,938.07	LEAM DRILLING SYSTEMS, INC.
6/3/2016	12,247.00	90.20	165.07	9,443.83	4,032.07	LEAM DRILLING SYSTEMS, INC.
6/3/2016	12,341.00	90.20	165.39	9,443.50	4,126.07	LEAM DRILLING SYSTEMS, INC.
6/3/2016	12,434.00	90.30	165.62	9,443.10	4,219.07	LEAM DRILLING SYSTEMS, INC.
6/3/2016	12,528.00	90.20	165.60	9,442.69	4,313.07	LEAM DRILLING SYSTEMS, INC.
6/3/2016	12,622.00	90.90	164.90	9,441.78	4,407.06	LEAM DRILLING SYSTEMS, INC.
6/3/2016	12,716.00	91.30	164.65	9,439.98	4,501.04	LEAM DRILLING SYSTEMS, INC.
6/3/2016	12,809.00	91.60	167.39	9,437.63	4,594.00	LEAM DRILLING SYSTEMS, INC.
6/3/2016	12,903.00	90.20	168.53	9,436.15	4,687.99	LEAM DRILLING SYSTEMS, INC.
6/3/2016	12,997.00	91.20	169.16	9,435.00	4,781.98	LEAM DRILLING SYSTEMS, INC.
6/3/2016	13,090.00	91.10	167.55	9,433.13	4,874.96	LEAM DRILLING SYSTEMS, INC.
6/3/2016	13,184.00	90.90	165.96	9,431.49	4,968.94	LEAM DRILLING SYSTEMS, INC.
6/3/2016	13,278.00	91.60	166.57	9,429.44	5,062.92	LEAM DRILLING SYSTEMS, INC.
6/3/2016	13,371.00	91.20	166.67	9,427.17	5,155.89	LEAM DRILLING SYSTEMS, INC.
6/3/2016	13,465.00	91.50	164.24	9,424.96	5,249.86	LEAM DRILLING SYSTEMS, INC.
6/3/2016	13,559.00	91.30	165.85	9,422.66	5,343.83	LEAM DRILLING SYSTEMS, INC.
6/3/2016	13,653.00	90.70	167.86	9,421.02	5,437.81	LEAM DRILLING SYSTEMS, INC.
6/3/2016	13,747.00	92.10	169.06	9,418.72	5,531.77	LEAM DRILLING SYSTEMS, INC.
6/3/2016	13,840.00	90.20	165.29	9,416.85	5,624.73	LEAM DRILLING SYSTEMS, INC.
6/3/2016	13,934.00	91.60	164.40	9,415.38	5,718.72	LEAM DRILLING SYSTEMS, INC.
6/3/2016	14,028.00	91.80	165.20	9,412.59	5,812.68	LEAM DRILLING SYSTEMS, INC.
6/3/2016	14,122.00	91.40	164.99	9,409.96	5,906.64	LEAM DRILLING SYSTEMS, INC.
6/3/2016	14,215.00	91.40	162.70	9,407.69	5,999.61	LEAM DRILLING SYSTEMS, INC.
6/3/2016	14,309.00	92.20	166.48	9,404.74	6,093.54	LEAM DRILLING SYSTEMS, INC.
6/3/2016	14,403.00	90.80	168.91	9,402.28	6,187.50	LEAM DRILLING SYSTEMS, INC.
6/3/2016	14,496.00	90.10	169.63	9,401.55	6,280.50	LEAM DRILLING SYSTEMS, INC.
6/4/2016	14,590.00	89.40	167.72	9,401.96	6,374.49	LEAM DRILLING SYSTEMS, INC.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 38H

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Unwrap Displace (ft)	Survey Company
6/4/2016	14,684.00	89.90	166.31	9,402.53	6,468.49	LEAM DRILLING SYSTEMS, INC.
6/4/2016	14,778.00	89.50	165.64	9,403.02	6,562.48	LEAM DRILLING SYSTEMS, INC.
6/4/2016	14,871.00	89.80	166.63	9,403.59	6,655.48	LEAM DRILLING SYSTEMS, INC.
6/4/2016	14,965.00	90.90	167.59	9,403.02	6,749.48	LEAM DRILLING SYSTEMS, INC.
6/4/2016	15,059.00	90.20	165.95	9,402.12	6,843.47	LEAM DRILLING SYSTEMS, INC.
6/4/2016	15,152.00	89.30	164.33	9,402.52	6,936.46	LEAM DRILLING SYSTEMS, INC.
6/4/2016	15,246.00	89.50	163.15	9,403.51	7,030.46	LEAM DRILLING SYSTEMS, INC.
6/4/2016	15,340.00	89.50	163.73	9,404.33	7,124.45	LEAM DRILLING SYSTEMS, INC.
6/4/2016	15,433.00	89.30	163.73	9,405.30	7,217.45	LEAM DRILLING SYSTEMS, INC.
6/4/2016	15,527.00	90.20	166.51	9,405.71	7,311.44	LEAM DRILLING SYSTEMS, INC.
6/4/2016	15,621.00	90.50	167.80	9,405.14	7,405.43	LEAM DRILLING SYSTEMS, INC.
6/4/2016	15,714.00	90.60	169.39	9,404.24	7,498.43	LEAM DRILLING SYSTEMS, INC.
6/4/2016	15,808.00	91.50	171.15	9,402.52	7,592.40	LEAM DRILLING SYSTEMS, INC.
6/4/2016	15,902.00	91.00	168.72	9,400.47	7,686.37	LEAM DRILLING SYSTEMS, INC.
6/4/2016	15,995.00	90.10	166.55	9,399.58	7,779.36	LEAM DRILLING SYSTEMS, INC.
6/4/2016	16,089.00	89.50	163.67	9,399.90	7,873.35	LEAM DRILLING SYSTEMS, INC.
6/4/2016	16,183.00	91.20	160.93	9,399.33	7,967.34	LEAM DRILLING SYSTEMS, INC.
6/4/2016	16,277.00	91.50	162.13	9,397.12	8,061.31	LEAM DRILLING SYSTEMS, INC.
6/4/2016	16,370.00	91.30	163.96	9,394.84	8,154.28	LEAM DRILLING SYSTEMS, INC.
6/4/2016	16,464.00	91.40	165.75	9,392.63	8,248.25	LEAM DRILLING SYSTEMS, INC.
6/4/2016	16,558.00	91.10	165.17	9,390.58	8,342.23	LEAM DRILLING SYSTEMS, INC.
6/4/2016	16,652.00	90.40	164.16	9,389.35	8,436.22	LEAM DRILLING SYSTEMS, INC.
6/4/2016	16,745.00	90.20	161.59	9,388.86	8,529.21	LEAM DRILLING SYSTEMS, INC.
6/5/2016	16,839.00	90.20	162.10	9,388.53	8,623.21	LEAM DRILLING SYSTEMS, INC.
6/5/2016	16,933.00	90.50	165.68	9,387.96	8,717.19	LEAM DRILLING SYSTEMS, INC.
6/5/2016	17,027.00	90.10	167.04	9,387.47	8,811.19	LEAM DRILLING SYSTEMS, INC.
6/5/2016	17,121.00	90.70	166.62	9,386.81	8,905.18	LEAM DRILLING SYSTEMS, INC.
6/5/2016	17,215.00	90.40	167.74	9,385.91	8,999.18	LEAM DRILLING SYSTEMS, INC.
6/5/2016	17,308.00	90.30	167.22	9,385.34	9,092.17	LEAM DRILLING SYSTEMS, INC.
6/5/2016	17,402.00	90.60	166.27	9,384.60	9,186.17	LEAM DRILLING SYSTEMS, INC.
6/5/2016	17,496.00	89.80	165.67	9,384.27	9,280.17	LEAM DRILLING SYSTEMS, INC.
6/5/2016	17,589.00	89.10	165.29	9,385.17	9,373.16	LEAM DRILLING SYSTEMS, INC.
6/5/2016	17,683.00	89.40	166.96	9,386.40	9,467.15	LEAM DRILLING SYSTEMS, INC.
6/5/2016	17,777.00	89.80	164.70	9,387.05	9,561.14	LEAM DRILLING SYSTEMS, INC.
6/5/2016	17,871.00	89.90	160.91	9,387.30	9,655.13	LEAM DRILLING SYSTEMS, INC.
6/5/2016	17,965.00	90.20	161.12	9,387.22	9,749.13	LEAM DRILLING SYSTEMS, INC.
6/5/2016	18,058.00	91.00	164.66	9,386.24	9,842.11	LEAM DRILLING SYSTEMS, INC.
6/5/2016	18,152.00	90.30	163.24	9,385.18	9,936.10	LEAM DRILLING SYSTEMS, INC.
6/5/2016	18,245.00	90.90	166.73	9,384.20	10,029.08	LEAM DRILLING SYSTEMS, INC.
6/5/2016	18,339.00	90.80	169.44	9,382.81	10,123.06	LEAM DRILLING SYSTEMS, INC.
6/5/2016	18,432.00	89.00	169.41	9,382.97	10,216.05	LEAM DRILLING SYSTEMS, INC.
6/5/2016	18,526.00	89.50	166.74	9,384.20	10,310.04	LEAM DRILLING SYSTEMS, INC.
6/5/2016	18,620.00	89.40	165.55	9,385.10	10,404.03	LEAM DRILLING SYSTEMS, INC.
6/5/2016	18,713.00	90.20	166.90	9,385.43	10,497.03	LEAM DRILLING SYSTEMS, INC.
6/5/2016	18,807.00	90.20	168.25	9,385.10	10,591.02	LEAM DRILLING SYSTEMS, INC.
6/6/2016	18,901.00	90.40	170.13	9,384.61	10,685.02	LEAM DRILLING SYSTEMS, INC.
6/6/2016	18,994.00	89.60	168.73	9,384.61	10,778.02	LEAM DRILLING SYSTEMS, INC.
6/6/2016	19,088.00	91.30	167.67	9,383.87	10,872.01	LEAM DRILLING SYSTEMS, INC.
6/6/2016	19,182.00	90.50	168.45	9,382.39	10,966.00	LEAM DRILLING SYSTEMS, INC.
6/6/2016	19,276.00	90.10	167.90	9,381.90	11,059.99	LEAM DRILLING SYSTEMS, INC.
6/6/2016	19,369.00	90.30	166.32	9,381.58	11,152.99	LEAM DRILLING SYSTEMS, INC.
6/6/2016	19,463.00	90.20	166.48	9,381.16	11,246.99	LEAM DRILLING SYSTEMS, INC.
6/6/2016	19,557.00	90.30	166.10	9,380.75	11,340.99	LEAM DRILLING SYSTEMS, INC.
6/6/2016	19,651.00	90.20	166.23	9,380.34	11,434.99	LEAM DRILLING SYSTEMS, INC.
6/6/2016	19,744.00	89.80	165.01	9,380.34	11,527.98	LEAM DRILLING SYSTEMS, INC.
6/6/2016	19,767.00	89.90	164.81	9,380.40	11,550.98	LEAM DRILLING SYSTEMS, INC.
6/6/2016	19,795.00	89.90	164.81	9,380.45	11,578.98	LEAM DRILLING SYSTEMS, INC.