

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

UNIVERSITY 7-43 28H						
API/UWI 42-003-47294-0000		Property Sub 927638-028		Operator PIONEER NATURAL RESRC USA, INC		State TEXAS
County ANDREWS		Field Name SPRABERRY (TREND AREA)				
Surface Legal Location 367' FNL/ 1948' FEL, SEC: 36, BLK: 7, TWP: , SVY: UNIVERSITY LANDS						
Spud Date 2/7/2016		TD Date 3/29/2016		Drilling Rig Release Date 4/1/2016		Frac Date
On Production Date		Initial Potential Date				
Ground Elevation (ft)	Original KB Elevation (ft)	PBDT (All) (ftKB)		Total Depth (All) (ftKB)		Total Depth All (TVD) (ftKB)
	2,988.00	ORIGINAL - 20,045.7		ORIGINAL - 20,165.0		ORIGINAL - 9,386.7
Report #: 1 Daily Operation: 2/7/2016 06:00 - 2/8/2016 06:00						
Job Category ORIG DRILLING				Primary Job Type ODR		AFE Number 037567
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
1	1	1,924.0	1,924.0		PATTERSON - UTI, 802	
Operations Summary Skid rig to 28H,R/U.Drill surface TD 1,924',tooh to run csg. Spud:12:30 1/7/16 TD 02:30 1/8/16 @1924.						
Remarks No Accidents or Spills.						
Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/7/2016 06:00	2/7/2016 08:00	2		SKID	SKID	Skid / Walk from University 7-43 27H to the University 7-43 28H.
2/7/2016 08:00	2/7/2016 10:00	2		RIG UP	RU	Set HPU skid extensions; Rig up mud lines, set cellar pumps in place & rig up. Walk catwalk in place & set V-door. Test mud lines from pumps to top drive.
2/7/2016 10:00	2/7/2016 10:30	0.5		RIG INSPECTION	RIG_INS P	Perfrom C.R.I. on rig before spudding. ** Accept rig @ 10:30 hrs.
2/7/2016 10:30	2/7/2016 11:00	0.5		PLANNED RIG SERVICE	RIG_SVC	Service Rig: Lubricate from the crown to the ground.
2/7/2016 11:00	2/7/2016 11:15	0.25		SAFETY	SFTY	PJSM with Patterson rig crew, TP, Leam directional & PNR CM over handling BHA.
2/7/2016 11:15	2/7/2016 12:30	1.25		P/U BHA	PU_BHA	Directional Work: PU & MU new motor & bit.. Power up EM tool. Tag @ 129'.
2/7/2016 12:30	2/7/2016 16:15	3.75		DRILL	DRL	Spud well @ 12:30 hrs. Drill Surface 129' to 547' (418' @ 11 fph). Drilling w/ HWDP inplace of DC's. ** Contacted TRRC @ 13:20 hrs on 2/7/16, spoke w/ Brenda for notification of 13-3/8" Surface Cmt job.
2/7/2016 16:15	2/7/2016 16:45	0.5		TOOH - ELEVATOR	TOOH_E LEV	TOOH for 8" DC's f/ 547' to 96'
2/7/2016 16:45	2/7/2016 17:15	0.5		P/U BHA	PU_BHA	Swap HWDP with 8" DC's
2/7/2016 17:15	2/8/2016 02:30	9.25		DRILL	DRL	Drill 17 1/2" Surface Section F/547' to 1,924' @ 196' fph, 100% Rot, 0% Slide, full returns to surface. OGE's hands pumping from cellar to outside reserve. MW 8.35 Vis 29 pH 13. **100% complete @ 02:30 hrs 2/8/16, 100% rot, 0% sldg. 2.4' right and 5.3' high in relation to plan #2.
2/8/2016 02:30	2/8/2016 03:00	0.5		CIRCULATE	CIRC	Circulate (2) hi-vis sweep around with 5,501 strokes, 754 gpm, 100 rpm, 1100 spp while reciprocating DP. Hole unloaded after 1st sweep around, nothing seen at 2nd sweep around.
2/8/2016 03:00	2/8/2016 04:00	1		CIRCULATE	CIRC	Spot 320 bbls of 8.6 low fluid loss pill (added roughly 5 ppb starch) outside bit prior to TOOH to run casing.
2/8/2016 04:00	2/8/2016 06:00	2		TOOH - ELEVATOR	TOOH_E LEV	TOOH on elevators f/1,924' to BHA Rack back HWDP & DC's. Overpulls seen: No over pull
Report #: 2 Daily Operation: 2/8/2016 06:00 - 2/9/2016 00:00						
Job Category ORIG DRILLING				Primary Job Type ODR		AFE Number 037567
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
1	2	1,924.0	1,924.0	8.40	PATTERSON - UTI, 802	
Operations Summary RU & Run 13-3/8" Csg, Cmt, Weld head.Release Rig 2/8/16 (00:00)						
Remarks No Accidents or Spills.						

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/8/2016 06:00	2/8/2016 06:30	0.5		L/D BHA	L/D BHA	Remove bit from rig floor. Clean & organize rig floor. ** Bit Grade: 0 /1/NO/A/X/0/NO/TD
2/8/2016 06:30	2/8/2016 07:00	0.5		PLANNED RIG SERVICE	RIG_SVC	Service Rig: Lubricate from the crown to the ground. ** Stage Csg tools & equipment.
2/8/2016 07:00	2/8/2016 07:15	0.25		SAFETY	SFTY	PJSM w/ Pipe Pros, Patt & PNR over RU, PU & running casing tools
2/8/2016 07:15	2/8/2016 07:45	0.5		RIG UP	RU	RU all csg tools & equipment.
2/8/2016 07:45	2/8/2016 08:45	1		RUN CSG W/O WASH	CSG_W/OWASH	PU & MU 1 jt shoe track, not able to make up float collar.
2/8/2016 08:45	2/8/2016 11:30	2.75		PULL CSG	PULL_CS G	Float collar not making up properly, check threads on jt in shoe track. Cross threaded half way down collar box end. Break FC free & shoe free, lay down Csg jt. Pick up Jt 54 in it's place. Same issues with Jt 54, clean threads off FC, milled threads half way down pin before getting to good threads. Checked backup Antelope Foat Collar & Float collar for new well, same results. Running Weatherford FC in it's place.
2/8/2016 11:30	2/8/2016 14:30	3		RUN CSG W/O WASH	CSG_W/OWASH	PU & MU 1 jt shoe track, pick up additional jt. Test float equipment - Good. RIH 13 3/8" 54.5# J-55 BTC casing from 89.16' to 1,924'. M/U to base of Triangle, avg TQ ~ 9,000 ft lbs. **Thread lock all threads in shoe track + casing jt above FC. ** Shoe: 1,922' ** Float Collar: 1,877" ** Bow spring Centralizers run on mid jt of shoe track, 5' above FC, & then 1 every 4th jt to 200' below surface for a total of 12.
2/8/2016 14:30	2/8/2016 16:00	1.5		CIRCULATE	CIRC	Circulate w/ CRT while rigging PipePro's casing tools & equipment down. Circulate w/ 7 bpm (294 gpm), 138 spp. ** Rig up Cementers & iron to rig floor.
2/8/2016 16:00	2/8/2016 16:15	0.25		SAFETY	SFTY	PJSM with Patterson Rig crew, Schlumberger Cementers, Mud engineer & PNR Rep over Surface Cementing Operations.
2/8/2016 16:15	2/8/2016 19:30	3.25		CEMENT	CMT	Cement surface casing as follows: Test lines to 3,500psi; Pump 50 bbls Spacer HO; Pump 396 bbls lead @ 13 ppg Yield 1.66 ft³; Pump 111 bbls tail @ 13.6 ppg Yield 1.66 ft³; Displace With 286 BBLs H2O; Bumped plug @ 18:53 hrs on 2/8/16; Last pumping pressure 1,260 psi (500 over); Floats held; Bled back 2 bbls. Full returns throughout cement job. ** See Cementing details under Cement Section in report.
2/8/2016 19:30	2/8/2016 20:30	1		RIG DOWN	RD	Rig down cementing head & iron, casing slips & bail extensions. Flush through cellar pumps & remove / rig down cellar pumps from cellar.
2/8/2016 20:30	2/8/2016 20:45	0.25		SAFETY	SFTY	PJSM with Patt, Seaboard, welder & PNR over wellhead installation.
2/8/2016 20:45	2/8/2016 21:15	0.5		WELLHEAD	WH	Rough cut on 13-3/8" casing & LD same. Final cut casing and dress out same. ***Safe Work, Confined Space & Hot Work Permits in Place.***
2/8/2016 21:15	2/8/2016 23:00	1.75		WELLHEAD	WH	Set well head & align w/subs & level same, PNR witness. Conductor cut 63" below GL. Casing cut 51.25" below GL. Top of Wellhead 18" below GL. Pre-heat wellhead to 300°F, confirm w/ temp stick, weld same.
2/8/2016 23:00	2/9/2016 00:00	1		WELLHEAD	WH	Allow weld to cool as per well head tech. Test weld to 790 psi and hold for 5 mins, Good Test. ** Install abandonment cap. ** Released rig f/University 7-43 28H @ 00:00 hrs on 2/9/16..

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Report #: 3 Daily Operation: 2/16/2016 12:00 - 2/17/2016 06:00

Job Category ORIG DRILLING			Primary Job Type ODR		AFE Number 037567
Days From Spud (days) 10	Days on Location (days) 3	End Depth (ftKB) 2,513.0	End Depth (TVD) (ftKB) 2,512.8	Dens Last Mud (lb/gal) 9.90	Rig PATTERSON - UTI, 802

Operations Summary

Walk Rig to 28H, N/U BOP, Test BOP & Casing, Install Wear Bushing, P/U BHA, TIH, Drill Cement & Float Equipment, Drill 12 1/4" Intermediate

Remarks

No Accidents or Spills

NPT for Feb:

Patterson: Past 24 hrs - 0, Total - 8.75

3rd Party: Past 24 hrs - 0, Total - 1.75

Drl'd Int 1924' to 2513' (589' @ 112 fph); 14% complete, 95% rot, 5% sldg. 3' right and 8' high in relation to plan #2. MW-9.7 w/33 vis. CBHT - 91°F.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/16/2016 12:00	2/16/2016 12:15	0.25		SAFETY	SFTY	PJSM w/ Patterson rig crew, TP, Drilltek rep & PNR CM over walking rig over to next well. Assigned roles to personel & discussed plan.
2/16/2016 12:15	2/16/2016 13:30	1.25		SKID	SKID	Walk rig F/University 7-43 29H to the University 7-43 28H adjusting matting boards, setting HPU skid and center over hole.
2/16/2016 13:30	2/16/2016 13:45	0.25		SAFETY	SFTY	PJSM with Edge Nipple up crew, Patterson rig crew & PNR CM over N/U BOPE.
2/16/2016 13:45	2/16/2016 16:15	2.5		N/U BOPE	NU_BOP E	Set Test plug in wellhead, N/U BOPE. Torque up bolts, Install turn buckles & center, MU flow line. Walk cat walk in place. Hook up mud, air & commuciation lines. **Confined space permit in place**
2/16/2016 16:15	2/16/2016 16:30	0.25		SAFETY	SFTY	PJSM with Patterson rig crew, Edge Specialty Testers & PNR CM on testing BOPE.
2/16/2016 16:30	2/16/2016 18:00	1.5		TEST BOPE	TEST_B OPE	Shell Test BOPE, HCR valve, Kill line valve, Blind rams, 250 low/5,000 high/5 min. Test mud lines back to pumps 250 low/4,500 high/5 min. Good Test.
2/16/2016 18:00	2/16/2016 18:45	0.75		CSG TEST	CSG_TE ST	Test 13-3/8" Casing to 1,000 psi for 30 min w/ testers - Good test.
2/16/2016 18:45	2/16/2016 19:15	0.5		PLANNED RIG SERVICE	RIG_SVC	Rig Service, Grease TDS, ST-80, Crown & Blocks
2/16/2016 19:15	2/16/2016 20:00	0.75		WELLHEAD	WH	Install long wear bushing, Perform accumulator drawdown test. **Confined Space Permit in Place
2/16/2016 20:00	2/16/2016 20:15	0.25		SAFETY	SFTY	PJSM W/Patterson Rig Crew, Leam Directional & PNR Co. Man on BHA Handling
2/16/2016 20:15	2/16/2016 22:00	1.75		P/U BHA	PU_BHA	Directional work: Pick up directional tools, function test survey tool (EM), scribe mud motor, M/U Bit, TIH w/ BHA.
2/16/2016 22:00	2/17/2016 00:00	2		TIH - ELEVATOR	TIH_ELE V	TIH w/2 stds 8" DC & PU 2 stds 6.5" DC. Run 1 std of HWDP, PU Jars, 5 stds. & double of HWDP followed by DP. Installed rotating head @ 1,388' ** Tagged Cmt @ 1,868'
2/17/2016 00:00	2/17/2016 00:45	0.75		DRILL OUT	DRL_OU T	Drill cmt. & flt. equip. F/1,868' - 1,924' Float Collar/Plug @ 1,877' Top of Shoe @ 1,922'
2/17/2016 00:45	2/17/2016 06:00	5.25		DRILL	DRL	Drl'd Int 1,924' to 2,513', 589' @ 112 fph; 95% rot @ 112.8 fph, 5% slide @ 100 fph MW - 9.7 w/33 vis. Full returns to surface

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Report #: 4 Daily Operation: 2/17/2016 06:00 - 2/18/2016 06:00

Job Category ORIG DRILLING			Primary Job Type ODR		AFE Number 037567
Days From Spud (days) 11	Days on Location (days) 4	End Depth (ftKB) 4,326.0	End Depth (TVD) (ftKB) 4,291.6	Dens Last Mud (lb/gal) 10.30	Rig PATTERSON - UTI, 802

Operations Summary

Drill 12 1/4" Intermediate F/2,513' - 4,326'

Remarks

No Accidents or Spills

NPT for Feb:

Patterson: Past 24 hrs - 0, Total - 8.75

3rd Party: Past 24 hrs - 0, Total - 1.75

Drl Int 2,513' to 4,326' (1,813' @ 81 fph); 58% complete, 86% rot, 14% sldg. 2.4' right and 55.6' high in relation to plan #2. MW-10.25 w/ 39 vis. CBHT-115°F.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/17/2016 06:00	2/17/2016 10:30	4.5		DRILL	DRL	Drl Int 2,513' to 3,076' (563' @ 125 fph); 28% complete, 72% rot, 28% sldg. MW - 10.3 w/ 37 vis. Full returns to surface. ** SPR's @ 2,988'
2/17/2016 10:30	2/17/2016 11:00	0.5		PLANNED RIG SERVICE	RIG_SVC	Service Rig: Lubricate from the crown to the ground. ** Dump brine from pits & fill with Polymer mud.
2/17/2016 11:00	2/17/2016 11:15	0.25		DRILL	DRL	Drl Int 3,076' to 3,086' (10' @ 40 fph); 28% complete, 100% rot, 0% sldg. MW - 10.3 w/37 vis. Full returns to surface. ** Displace hole with polymer mud.
2/17/2016 11:15	2/17/2016 11:45	0.5		CIRCULATE	CIRC	Circulate while finishing displacement. Displacement Complete @ 3,086'. Actual displacement = 468 bbl Total calculated displacement = 423 bbl Excess displacement = 45 bbl Calc. in gauge open hole annulus = 128 bbl 45 bbl/128 bbl = 35% washout of open hole annulus.
2/17/2016 11:45	2/18/2016 06:00	18.2 5		DRILL	DRL	Drl Int 3,086' to 4,326' (1,240' @ 67.9 fph); 58% complete, 91% rot @ 71.7 fph, 9% sldg @ 44 fph. MW - 10.25 w/39 vis. Full returns to surface. ** Drilled w/ reduced parameters to keep from shakers blinding over until shaker screens were changed out. ** SPR's @ 3,357' & 4,201'.

Report #: 5 Daily Operation: 2/18/2016 06:00 - 2/19/2016 06:00

Job Category ORIG DRILLING			Primary Job Type ODR		AFE Number 037567
Days From Spud (days) 12	Days on Location (days) 5	End Depth (ftKB) 5,699.0	End Depth (TVD) (ftKB) 5,628.6	Dens Last Mud (lb/gal) 10.20	Rig PATTERSON - UTI, 802

Operations Summary

Drill 12 1/4" Intermediate F/4,326' - 5,699'

Remarks

No Accidents or Spills

NPT for Feb:

Patterson: Past 24 hrs - 0, Total - 8.75

3rd Party: Past 24 hrs - 0, Total - 1.75

Drl Int 4326' to 5699' (1373' @ 58 fph); 90% complete, 86% rot, 14% sldg. 2.1' left and 62.5' high in relation to plan #2a. MW-10.3 w/ 40 vis. CBHT-124°F.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/18/2016 06:00	2/18/2016 17:30	11.5		DRILL	DRL	Drill int F/4,326' T/4,950', 624' @ 54 fph, 72% complete. 76% Rot @ 65 fph 24% Sldg @ 22 fph MW: 10.3 w/ a 38 vis, full returns.
2/18/2016 17:30	2/18/2016 18:00	0.5		PLANNED RIG SERVICE	RIG_SVC	Planned rig service TDS, DW & blocks

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/18/2016 18:00	2/19/2016 06:00	12		DRILL	DRL	Drill int F/4,950' T/5,699, 749 @ 62.4 fph, 90% complete. 99% Rot @ 64.4 fph 1% Sldg @ 20 fph MW: 10.3 w/ a 40 vis, full returns.

Report #: 6 Daily Operation: 2/19/2016 06:00 - 2/20/2016 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 037567
Days From Spud (days) 13	Days on Location (days) 6	End Depth (ftKB) 6,100.0	End Depth (TVD) (ftKB) 6,024.8	Dens Last Mud (lb/gal) 10.35	Rig PATTERSON - UTI, 802	

Operations Summary

Drill 12 1/4" Intermediate TD 6,100', Circ., TOH, L/D BHA, PWB, R/U & Run 9 5/8" T/4,530'

Remarks

No Accidents or Spills

NPT for Feb:

Patterson: Past 24 hrs - 0, Total - 8.75

3rd Party: Past 24 hrs - 0, Total - 1.75

Intermediate 100% complete @ 13:45 hrs 02/19/16, 2.5' right and 39' high in relation to plan #2a.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/19/2016 06:00	2/19/2016 09:45	3.75		DRILL	DRL	Drill int F/5,699' T/5866', 167' @ 51.4 fph, 83% complete. 94% Rot @ 62.8 fph 6% Sldg @ 13 fph MW: 10.3 w/ a 40 vis, full returns
2/19/2016 09:45	2/19/2016 10:15	0.5		PLANNED RIG SERVICE	RIG_SVC	Planned rig service TDS, DW & blocks
2/19/2016 10:15	2/19/2016 13:45	3.5		DRILL	DRL	Drill int F/5,866' T/6,100', 234' @ 62.4 fph, 100% complete. 91% Rot @ 77.6 fph 9% Sldg @ 13.3 fph MW: 10.3 w/ a 40 vis, full returns
2/19/2016 13:45	2/19/2016 16:00	2.25		CIRCULATE	CIRC	Circulating @ GPM:732, SPP:1,700 RPM:80, MMRPM:117, Full Returns. Pump (2) 40 bbl hi-vis. (10 sks nut plug added for marker) sweep around. 1st sweep loaded up shakers, 2nd sweep had minimal cuttings at shakers, circulated until shakers were clean. Full Returns. Mud: YP - 13, Filtrate - 12. MW In/Out 10.35, Vis 39, PH 9.5 Actual sweep to surface = 881 bbls Total calculated barrels = 842 bbls Excess barrels = 39 bbls Calculated in gauge open hole = 493 bbls 39 / 493 = 8% washout of open hole annulus.
2/19/2016 16:00	2/19/2016 16:15	0.25		FLOW CHECK	FLOW_C HK	Flow check on trip tanks w/ PNR witness. Well static, pump slug
2/19/2016 16:15	2/19/2016 19:45	3.5		TOOH - ELEVATOR	TOOH_E LEV	TOOH, racking back DP, tight spot seen from 5353' to 5085'. Max overpull 75k, no drag seen when slacking off, worked through spots multiple times till no overpull was seen. Continue TOOH, hole slick and taking proper fill from trip tanks. **Retrieved corrosion ring from top of 3rd stand of DP** **Pulled rotating head @ HWDP** Rack back HWDP, jars & all DC's
2/19/2016 19:45	2/19/2016 20:00	0.25		SAFETY	SFTY	PJSM w/ Patt, PNR & Leam over LD directional tools
2/19/2016 20:00	2/19/2016 21:15	1.25		L/D BHA	L/D BHA	Breakout & L/D BHA, L/D MWD, drain MM & L/D same ** Bit Grade: 2/1/BT/N/X/1/CT/TD **

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/19/2016 21:15	2/19/2016 22:00	0.75		WELLHEAD	WH	PJSM over wear bushing operations. 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
2/19/2016 22:00	2/19/2016 22:15	0.25		SAFETY	SFTY	PJSM w/ Patt, PNR, Franks over RU & running casing
2/19/2016 22:15	2/20/2016 00:00	1.75		RIG UP	RU	RU casing tools & equipment
2/20/2016 00:00	2/20/2016 00:30	0.5		RUN CSG W/O WASH	CSG_W/ OWASH	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. ** Avg ID of 10 jts - 8.9063" ** Casing Collars OD - 10.6875" ** Casing Elevators ID - 9.875"
2/20/2016 00:30	2/20/2016 06:00	5.5		RUN CSG W/O WASH	CSG_W/ OWASH	RIH w/ csg F/141' to 4,530' Avg. M/U tq to base of triangle 8,000 ft/lbs. Fill csg every 20 - 30 jts. Circ B/U @ surface shoe (1,924') Monitoring returns to pits, hole displacing properly.

Report #: 7 Daily Operation: 2/20/2016 06:00 - 2/20/2016 18:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 037567
Days From Spud (days) 13	Days on Location (days) 6	End Depth (ftKB) 6,100.0	End Depth (TVD) (ftKB) 6,024.8	Dens Last Mud (lb/gal) 10.35	Rig PATTERSON - UTI, 802	

Operations Summary

Run 9 5/8" Casing, Circ & Cement Casing, N/D BOP, Install Abandonment Cap

Remarks

No Accidents or Spills

NPT for Feb:

Patterson: Past 24 hrs - 0, Total - 8.75

3rd Party: Past 24 hrs - 0, Total - 1.75

Intermediate 100% complete @ 13:45 hrs 02/19/16, 2.5' right and 39' high in relation to plan #2a.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/20/2016 06:00	2/20/2016 07:30	1.5		RUN CSG W/O WASH	CSG_W/ OWASH	RIH w/csg F/4,530' to 6,050' Avg. M/U tq to base of triangle 8,000 ft/lbs. Fill & Break Circ @ 4500' Monitoring returns to pits, hole displacing properly.
2/20/2016 07:30	2/20/2016 08:00	0.5		RUN CSG W/O WASH	CSG_W/ OWASH	P/U & M/U Hanger and Landing Jt.
2/20/2016 08:00	2/20/2016 09:00	1		RUN CSG WITH WASH	CSG_W/ WASH	Fill pipe & establish good returns @ 5 bpm w/305 psi. P/U & S/O was consistent since last fill up @ 265k/170k Able to work full jt. up, but unable to pass 6,060', slacked off to 90k string wt, unable to get SPP to increase to attempt to wash.
2/20/2016 09:00	2/20/2016 10:00	1		RUN CSG W/O WASH	CSG_W/ OWASH	P/U, backout & L/D landing jt & jt #137. P/U & M/U Hanger and landing joint, land casing in wellhead W/No issues, SO-215k, W/Seaboard Rep. & PNR Rep on rig floor. **Shoe Depth: 6,040' **Float Collar Depth: 5,945'
2/20/2016 10:00	2/20/2016 11:00	1		CIRCULATE	CIRC	Circulate casing @ 5 bbl/min 110 psi through CRT, full returns to surface, while rigging down casing crew & rigging up cements. Load Top Plug in Head W/Tattletail. Witnessed by PNR Rep.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/20/2016 11:00	2/20/2016 11:15	0.25		SAFETY	SFTY	PJSM on Cementing Operations W/PNR Rep., Patterson Rig Crew, MI Swaco and Schlumberger Cement Crew. L/D CRT, M/U Cement Head & Iron
2/20/2016 11:15	2/20/2016 14:30	3.25		CEMENT	CMT	Pump cement as follows: Drop Bottom Plug @ 11:30 hrs, 2/20/2016, PNR Rep Witnessed Pump 20 bbls to flush lines to reserve; PSI test to 3,500 psi; Pump 70 bbls visc water @ 8.3 ppg; Pump 70 bbls MPE @ 10.6 ppg; Pump 262 bbls (670 sks) Lead cement mixed @ 11.5 ppg, Yield 2.19 ft³/sk W/1.5 lb/bbl CemNET; Pump 76 bbls (400 sks) Tail Cement mixed @ 16.4 ppg Yield 1.07 ft³/sk. Dropped Top Plug @ 13:16 hrs, 2/20/2016, PNR Rep witnessed. Displace with 451 bbls 8.3 ppg H2O. 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. Bumped plug @ 14:27 hrs, 2/20/2016; with 1,721 psi, 481 psi over final lift pressure of 1,240 psi., held 5 minutes. Bled back 3 bbls, Floats Held. Full returns throughout job
2/20/2016 14:30	2/20/2016 15:00	0.5		RIG DOWN	RD	Flush through BOP stack & Flowlines, R/D Cementers
2/20/2016 15:00	2/20/2016 16:00	1		WELLHEAD	WH	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. **Safe Work Permits: Confined space entry permit for cellar.
2/20/2016 16:00	2/20/2016 16:15	0.25		SAFETY	SFTY	PJSM W/Edge, PNR Rep. & Patterson Rig Crew on N/D Operations & Abandonment cap installation
2/20/2016 16:15	2/20/2016 17:30	1.25		N/D BOPE	ND_BOP E	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. ** Confined space entry permit in place.
2/20/2016 17:30	2/20/2016 18:00	0.5		WELLHEAD	WH	Install abandonment cap & test to 500 psi for 15 min - Good. *** Released rig f/University 7-43 #28H @ 18:00 hrs on 02/20/16.
Report #: 8 Daily Operation: 3/17/2016 00:00 - 3/17/2016 06:00						
Job Category ORIG DRILLING				Primary Job Type ODR		AFE Number 037567
Days From Spud (days) 39	Days on Location (days) 6	End Depth (ftKB) 6,100.0	End Depth (TVD) (ftKB) 6,024.8	Dens Last Mud (lb/gal) 8.60	Rig PATTERSON - UTI, 802	
Operations Summary Walk From University 7-43 #27H, N/U BOP, Shell Test BOP						
Remarks No Accidents or Spills NPT for March: Patterson: Past 24 hrs - 0, Total - 0 3rd Party: Past 24 hrs - 0, Total - 163 Intermediate 100% complete @ 13:45 hrs 02/19/16, 2.5' right and 39' high in relation to plan #2a.						

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/17/2016 00:00	3/17/2016 00:15	0.25		SAFETY	SFTY	PJSM w/ Patterson rig crew, TP, Drilltek rep & PNR CM over walking rig over to next well. Assigned roles to personnel & discussed plan.
3/17/2016 00:15	3/17/2016 02:30	2.25		SKID	SKID	Check Pressure & Remove Abandonment Cap, Set Test plug in wellhead on University 7-43 #28H, Walk rig F/University 7-43 #27H to the University 7-43 #28H adjusting matting boards, remove HPU skid and center over hole.
3/17/2016 02:30	3/17/2016 02:45	0.25		SAFETY	SFTY	PJSM with Edge Nipple up crew, Patterson rig crew & PNR CM over N/U & Test BOPE.
3/17/2016 02:45	3/17/2016 05:00	2.25		N/U BOPE	NU_BOP E	Set Stack on wellhead, N/U BOPE. Torque up bolts, Install turn buckles & center, M/U flow line. Walk cat walk in place. Hook up mud, air & communication lines. **Confined space permit in place**
3/17/2016 05:00	3/17/2016 06:00	1		TEST BOPE	TEST_B OPE	Shell Test BOPE, HCR valve, Kill line valve, Blind rams, 250 low/5,000 high/5 min. Test mud lines back to pumps 250 low/5,00 high/5 min.

Report #: 9 Daily Operation: 3/17/2016 06:00 - 3/18/2016 06:00

Job Category	Primary Job Type	AFE Number
ORIG DRILLING	ODR	037567
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)
40	7	6,990.0
		End Depth (TVD) (ftKB)
		6,913.5
		Dens Last Mud (lb/gal)
		8.40
		Rig
		PATTERSON - UTI, 802

Operations Summary

vwjobdrillstringcomp05182FB8EF104A3EA75D27C519D8B27887CE2D6F5A1E48E4BF16D72B6DD5E64D														
idrec	des	iconname	szodnom		szidnom	wtperlength	grade	length	joints	compsubtyp	conntyp	top	connthrd	top
	connsztop	upsettop	conntypbtm		connthrdbtm	connszbtm	upsetbtm	torquemin	connectcalc	fishnecklength				
	lengthcumcalc	lengthtallycalc	jointstallycalc		weightcalc	weightcumcalc	volumedispcumcalc	volumeinternalcalc	make	model				
	sn	com	itemnocalc		desjtcalc	hoursendcalc	dayssinceinspectcalc	currentstatuscalc	dtmstatuscalc					
	depthdrilledjobcalc	comptotalruncalc		tmdrilledjobcalc		tmrcircjobcalc	refid	owner	dtmmanufacture	costunitlabel	idwell			
	idrecparent	idrec	sysseq	sysmoddate		local	sysmoddate	sysmoduser	syscreatedatelocal	syscreatedate	syscreateuser			
	systag													
idrec	Item	Description	Icon	OD	ID	Mass Per Length	Grade	Length	Joints	Equipment	Type	Top Connection	Type	Top Connection
Thread	Top	Connection	Size	Top	Upset	Bottom Connection	Type	Bottom Connection	Thread	Bottom Connection	Size	Bottom Upset	Make-up	
Torque	Connections	Bend	Cum Length	Tally Length	Joints in Tally	Weight	Cum Weight	Cum Volume	Displaced (Open End)	Internal				
Volume	Make	Model	Serial	Number	Comment	Item Number	Description-#Jts	End Hours	Days Since Last	Inspection	Current Status			
	Current Status	Date	Depth Drilled	Job	Total # Runs	Drilling Time for Job	Circ Time for Job	Reference ID	Owner					
	Manufacture Date	Cost Unit	Label	idwell	idrecparent (unique parent record id)	idrec (unique record id)	Sequence							
	Last Mod Date (UTC)	Last Mod By	Create Date	Create Date (UTC)	Created By	Record Tag								
45AD88A04B9449E7B6597BB248CB5E9C	DRILL PIPE	DRILL PIPE	5	4.28	19.50	8,206.86	263	Drill Pipe						
BOX IF 4 1/2	PIN IF 4 1/2	32,000	4 1/2 IF x 4 1/2 IF	8,950.00	0									
160,033.8	203	66.7	146.0	RIG		28.25								
13,581.00	8	196.50	40.70											
						05182FB8EF104A3EA75D27C519D8B278								
						87CE2D6F5A1E48E4BF16D72B6DD5E64D	45AD88A04B9449E7B6597BB248CB5E9C	1	3/19/2016 00:43 3/19/2016 05:43 ryanm					
						3/17/2016 17:32 3/17/2016 22:32 ryanm								
91A16DE9C3BB4B2														

Remarks

No Accidents or Spills

NPT for March:

Patterson: Past 24 hrs - 0, Total - 0

3rd Party: Past 24 hrs - 0, Total - 163

Last Survey @ 6,767', Inc., 0.7° Azi., 256.2°, Temp 124°F, 3.6' Above & 3.6' Right of Plan 3 Line, Production Vertical 31% Complete

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/17/2016 06:00	3/17/2016 07:00	1		TEST BOPE	TEST_B OPE	Finish shell test: HCR valve, Kill line valve, Blind rams, 250/5,000/5 min. Mud lines back to pumps 250/5,000/5 min.
3/17/2016 07:00	3/17/2016 07:45	0.75		SKID	SKID	Install mousehole, adjust stack w/ turnbuckles, center catwalk
3/17/2016 07:45	3/17/2016 09:30	1.75		PLANNED RIG SERVICE	RIG_SVC	Change out saver sub & backup dies on top drive
3/17/2016 09:30	3/17/2016 09:45	0.25		SAFETY	SFTY	PJSM over proper well head procedures on installing & removing wear bushing pins, ensuring backup wrench is utilized **Confined space permit in place**

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/17/2016 09:45	3/17/2016 10:30	0.75		WELLHEAD	WH	Remove test plug f/ wellhead & install short wear bushing **Patt RM & PNR CM witness**
3/17/2016 10:30	3/17/2016 11:00	0.5		SAFETY	SFTY	PJSM with Patt, Leam & PNR - Proper BHA handling
3/17/2016 11:00	3/17/2016 13:00	2		P/U BHA	PU_BHA	PU, MU, scribe & test directional BHA, MU bit & prep to TIH
3/17/2016 13:00	3/17/2016 14:30	1.5		TIH - ELEVATOR	TIH_ELEV	TIH w/ 7 stds HWDP & 20 stds DP from derrick, fill pipe w/ FW
3/17/2016 14:30	3/17/2016 15:00	0.5		N/U BOPE	NU_BOP E	Install new rotating head rubber
3/17/2016 15:00	3/17/2016 15:30	0.5		PLANNED RIG SERVICE	RIG_SVC	Planned rig service
3/17/2016 15:30	3/17/2016 17:15	1.75		TIH - ELEVATOR	TIH_ELEV	Finish TIH w/ DP from derrick, fill pipe w/ FW, Tag @ 5,927'
3/17/2016 17:15	3/17/2016 17:30	0.25		SAFETY	SFTY	PJSM w/ Patt, Mi-Swaco & PNR - Displacing to OBM while drilling shoe track
3/17/2016 17:30	3/17/2016 20:15	2.75		DRILL OUT	DRL_OUT	Tag Cement @ 5,927', Drill Cement, Flt Equip & 10' new formation F/6,100' - 6,110', 10k wob, 250 diff, 400 fpm, 1200 psi, 30 rpm, 3k tq. Float collar @ 5,945' Shoe @ 6,045'
3/17/2016 20:15	3/17/2016 21:15	1		CIRCULATE	CIRC	Circ & Condition mud @ 545 gpm, 1,785 psi, full returns to surface. **Set back 1 stand (pull into shoe prior to FIT)
3/17/2016 21:15	3/17/2016 21:45	0.5		FIT / LOT	FIT/LOT	FIT Test: @ 6,110 MD, 6,035 TVD 8.4 MW + 470 psi = 9.9 EMW
3/17/2016 21:45	3/18/2016 06:00	8.25		DRILL	DRL	Drill prod vert F/6,110' T/6,990' @ 107 fph, 31% complete. 85% Rot @ 114 fph 15% Sldg @ 52 fph MW: 8.5 w/ a 72 vis, full returns. Lithology: 6130 - 60% SD, 40% SH 6160 - 50% SD, 50% SH 6190 - 80% SD, 20% SH 6250 - 60% SD, 40% SH 6310 - 80% SD, 20% SH 6370 - 70% SD, 30% SH 6430 - 50% SD, 50% SH 6520 - 60% SH, 40% SD 6610 - 40% SH, 40% SD, 20% LS

Report #: 10 Daily Operation: 3/18/2016 06:00 - 3/19/2016 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 037567
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Days From Spud (days) 41	Days on Location (days) 8	End Depth (ftKB) 8,950.0	End Depth (TVD) (ftKB) 8,873.2	Dens Last Mud (lb/gal) 8.20	Rig PATTERSON - UTI, 802
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Operations Summary

Drill 8 3/4" Production Vertical to TD, Circ., TOOH

Remarks

No Accidents or Spills

NPT for March:

Patterson: Past 24 hrs - 0, Total - 0

3rd Party: Past 24 hrs - 0, Total - 163

Last Survey @ 8,884', Inc., 0.90° Azi., 174.1°, Temp 139°F, 8.2' Ahead & 1.7' Right of Plan 3 Line, Production Vertical 100% Complete

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/18/2016 06:00	3/18/2016 14:30	8.5		DRILL	DRL	Drill prod vert F/6990' T/7957' @ 114 fph, 65% complete. 94% Rot @ 124 fph 6% Sldg @ 34 fph MW: 8.4 w/ a 68 vis, full returns. SPR @ 7211' Lithology: 6850 - 50% SD, 40% SH, 10% LS 6910 - 70% LS, 20% SH, 10% SD 7120 - 70% LS, 30% SH 7450 - 60% SH, 40% LS Mudlogger Tops: CLEARFORK @ 6890' / 6813' TVD (3' low of prog)
3/18/2016 14:30	3/18/2016 15:00	0.5		PLANNED RIG SERVICE	RIG_SVC	Rig service **Tech on floor checking ODS traction motor on TD, slight squeak heard every 10-15 rotations**
3/18/2016 15:00	3/19/2016 02:30	11.5		DRILL	DRL	Drill F/7,957' T/8,950' @ 86 fph, 100% complete. 91% Rot @ 105 fph 9% Sldg @ 40 fph MW: 8.2 w/ a 67 vis, full returns. Lithology: 7990 - 70% SH, 30% LS 8170 - 80% SH, 20% LS 8260 - 80% SH, 20% LS 8350 - 90% SH, 10% LS 8440 - 80% SH, 20% LS 8500 - 60% SH, 20% LS, 20% SD 8560 - 50% SD, 40% SH, 10% LS 8620 - 50% SH, 30% SD, 20% LS 8680 - 60% SD, 30% SH, 10% LS 8740 - 50% SD, 40% SH, 10% LS 8800 - 70% SH, 30% SD 8860 - 50% SH, 50% SD 8890 - 60% SH, 40% LS 8920 - 70% SH, 30% LS 8950 - 60% SH, 40% LS Mudlogger Tops: SPBY U A1 @ 8510' / 8433' TVD (5' high of prog) SPBY M A1 @ 8810' / 8733' TVD (18' below prog)
3/19/2016 02:30	3/19/2016 03:45	1.25		CIRCULATE	CIRC	Circulate & Reciprocate, 2 X B/U, (9,000 Strokes) @ 570 GPM, 2,150 PSI, Circulated hole till shakers cleaned up. Full returns.
3/19/2016 03:45	3/19/2016 04:00	0.25		FLOW CHECK	FLOW_C HK	Check for flow @ trip tanks, well static, pump slug.
3/19/2016 04:00	3/19/2016 06:00	2		TOOH - ELEVATOR	TOOH_E LEV	TOOH F/Curve assembly F/8,950 - 4,398', No hole issues seen, Hole taking proper fill from trip tanks. **Pull Rotating Head & Install Trip Nipple @ 5,990'

Report #: 11 Daily Operation: 3/19/2016 06:00 - 3/20/2016 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 037567
Days From Spud (days) 42	Days on Location (days) 9	End Depth (ftKB) 9,006.0
	End Depth (TVD) (ftKB) 8,929.0	Dens Last Mud (lb/gal) 8.40
		Rig PATTERSON - UTI, 802

Operations Summary

TOOH, Slip & Cut, Rig Repair, C/O BHA, TIH, Wash, Drill 8 1/2" Production Curve

Remarks

No Accidents or Spills

NPT for March:

Patterson: Past 24 hrs - 11.5, Total - 11.5

3rd Party: Past 24 hrs - 0, Total - 163

Last Survey @ 8,884', Inc., 0.90° Azi., 174.1°, Temp 139°F, 8.2' Ahead & 1.7' Right of Plan 3 Line, Production Curve 6% Complete

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/19/2016 06:00	3/19/2016 08:15	2.25		TOOH - ELEVATOR	TOOH_ELEV	TOOH to 1st std of DP @ 836'. M/U TIW valve on same & secure well before rig repairs
3/19/2016 08:15	3/19/2016 08:30	0.25		SAFETY	SFTY	Straighten up & clean off OBM from rig floor Prep for slip & cut and rig repairs
3/19/2016 08:30	3/19/2016 10:00	1.5		SLIP & CUT	SLIP_CUT	Slip & cut 110'
3/19/2016 10:00	3/19/2016 10:15	0.25		SAFETY	SFTY	PJSM w/ Patt, 3rd party TD techs & PNR - Swapping out traction motors
3/19/2016 10:15	3/19/2016 21:30	11.25		RIG REPAIR	RIG_RPR	Changing out DS traction motor Monitoring well on Pason, SICP=0 **All components properly LO/TO**
3/19/2016 21:30	3/19/2016 22:00	0.5		PLANNED RIG SERVICE	RIG_SVC	Rig service, Grease Swivel Bail Pins & Swivel Packing, Check all Oil Levels, Double checked Top Drive to ensure all tools were removed and guards in place.
3/19/2016 22:00	3/19/2016 22:15	0.25		SAFETY	SFTY	PJSM w/ Patt, PNR & Leam - BHA Handling
3/19/2016 22:15	3/19/2016 23:00	0.75		L/D BHA	L/D BHA	Rack back HWDP, L/D top NMDC, Retrieve MWD, Drain Motor, Break Bit & L/D Motor & Stab. **Bit Graded: 1-3-WT-S-X-1-CT-TD **Kick pad on motor flat, cal. 7" OD when run in hole, 6-11/16" OD when laid down.
3/19/2016 23:00	3/20/2016 00:30	1.5		P/U BHA	PU_BHA	M/U Curve BHA, P/U Float Sub, 6 3/4" 2.25° Fixed Slick 7/8 - 5.0 Motor, Scribe & Install MWD, Surface Test Motor & MWD, Test Good, M/U 8.5" MMD55DM Bit, P/U Flex NMDC.
3/20/2016 00:30	3/20/2016 04:30	4		TIH - ELEVATOR	TIH_ELEV	TIH W/Curve BHA to 8,819'. Filling every 30 stands. Hole displacing properly to trip tanks. **Pulled Trip Nipple & Inst. Rot. Head @ 6,007'
3/20/2016 04:30	3/20/2016 05:00	0.5		TIH - NON-ELEVATOR	TIH_NON_ELEV	Wash F/8,819' - 8,950', No fill, full returns to surface.
3/20/2016 05:00	3/20/2016 06:00	1		DRILL	DRL	Drill curve F/8,950' T/9,006' @ 56 fph, 6% complete. 100% Sldg @ 56 fph MW: 8.4 w/ a 58 vis, full returns.

Report #: 12 Daily Operation: 3/20/2016 06:00 - 3/21/2016 06:00

Job Category			Primary Job Type			AFE Number
ORIG DRILLING			ODR			037567
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
43	10	9,943.0	9,479.5	8.40	PATTERSON - UTI, 802	

Operations Summary

Land 8 1/2" Production Curve, Circ, TOOH, C/O BHA, TIH, 6 Axis Surveys, TIH

Remarks

No Accidents or Spills

NPT for March:

Patterson: Past 24 hrs - 0, Total - 11.5

3rd Party: Past 24 hrs - 0, Total - 163

Last Survey @ 9,884', Inc., 89.0° Azi., 168.48°, Temp 138°F, 20.8' Above & 0.2' Left of Plan 3 Line, Production Curve 100% Complete

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/20/2016 06:00	3/20/2016 16:15	10.25		DRILL	DRL	Drill curve F/9,006' T/9,849' @ 82 fph, 100% complete. 100% Sldg @ 82 fph MW: 8.4 w/ a 58 vis, full returns. Curve landed @ 9,849' , projected 88.5* @ bit Lithology: 9010 - 50% SH, 30% LS, 20% SD 9040 - 70% SH, 20% LS, 10% SD 9070 - 70% SH, 30% LS 9190 - 40% SD, 30% SH, 30% SD 9250 - 50% SH, 30% LS, 20% SD 9380 - 80% SH, 10% LS, 10% SD 9430 - 80% SH, 20% LS 9490 - 70% SH, 30% LS 9610 - 60% SH, 40% LS 9790 - 80% SH, 20% LS Mudlogger Tops: SPBY L A1 @ 8991' TVD (14' low of prog) SPBY L B1 @ 9296' TVD (12' low of prog) SPBY L C1 @ 9347' TVD (15' low of prog)
3/20/2016 16:15	3/20/2016 17:15	1		DRILL	DRL	Drill lateral F/9,849' T/9,943' @ 94 fph 84% Rot @ 105 fph 16% Sldg @ 60 fph MW: 8.4 w/ a 58 vis, full returns.
3/20/2016 17:15	3/20/2016 17:30	0.25		CIRCULATE	CIRC	Circulate, Pump 2 X 30 bbl Hi-Vis Sweeps.
3/20/2016 17:30	3/20/2016 18:00	0.5		PLANNED RIG SERVICE	RIG_SVC	Circulate while performing planned rig service
3/20/2016 18:00	3/20/2016 19:00	1		CIRCULATE	CIRC	Circulate, 1st sweep loaded shakers, 2nd sweep loaded shakers w/fines. Circulated hole till shakers cleaned up **PJSM W/Patterson Rig Crew & PNR Rep on Tripping Out of Hole.
3/20/2016 19:00	3/20/2016 19:15	0.25		FLOW CHECK	FLOW_C HK	Check for flow @ trip tanks, well static, pump slug.
3/20/2016 19:15	3/20/2016 23:30	4.25		TOOH - ELEVATOR	TOOH_E LEV	TOOH F/9,943' T/BHA, No hole issues seen, Hole taking proper fill from trip tanks. **Remove rotating head & install trip nipple @ 5,896'
3/20/2016 23:30	3/20/2016 23:45	0.25		SAFETY	SFTY	PJSM with Patt, Leam & PNR - Proper BHA handling
3/20/2016 23:45	3/21/2016 00:30	0.75		L/D BHA	L/D BHA	L/D Flex NMDC, Retrieve MWD, Drain Motor, Break Bit, L/D Motor & Float Sub, Replace Sleeve in UBHO Sub. ** Bit Graded: 1/1/WT/A/X/0/NO/BHA **Confined Space Entry Permit in Place, replacing valve in suction pit while changing BHA.
3/21/2016 00:30	3/21/2016 02:00	1.5		P/U BHA	PU_BHA	P/U 8" IBS, Float Sub & Motor, Scribe & Install MWD, Test Motor & MWD, Good Test, M/U Bit, P/U Top NMDC.
3/21/2016 02:00	3/21/2016 04:15	2.25		TIH - ELEVATOR	TIH_ELE V	TIH W/Lateral BHA to 6,206'. Filling every 30 stands. Hole displacing properly to trip tanks. **Pulled Trip Nipple & Inst. Rot. Head @ 6,112'
3/21/2016 04:15	3/21/2016 05:30	1.25		TIH - NON-ELEVATOR	TIH_NON ELEV	Perform 6 Axis Surveys From 6,206' - 6,768'
3/21/2016 05:30	3/21/2016 06:00	0.5		TIH - ELEVATOR	TIH_ELE V	TIH W/Lateral BHA F/6,768' - 8,268'. Hole displacing properly to trip tanks.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Report #: 13 Daily Operation: 3/21/2016 06:00 - 3/22/2016 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 037567
Days From Spud (days) 44	Days on Location (days) 11	End Depth (ftKB) 12,236.0	End Depth (TVD) (ftKB) 9,494.4	Dens Last Mud (lb/gal) 8.40	Rig PATTERSON - UTI, 802	

Operations Summary

TIH, Re-Log Gamma, Drill 8 1/2" Production Lateral

Remarks

No Accidents or Spills

NPT for March:

Patterson: Past 24 hrs - 0, Total - 11.5

3rd Party: Past 24 hrs - 0, Total - 163

Last Survey @ 12,041', Inc., 89.8° Azi., 166.36°, Temp 153°F, Gamma 115, 4.8' Above & 1.4' Left of Plan 3 Line, Production Lateral 23% Complete

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/21/2016 06:00	3/21/2016 06:45	0.75		TIH - ELEVATOR	TIH_ELEV	TIH W/Lateral BHA F/8,268' to 9,861' Hole displacing properly to trip tanks.
3/21/2016 06:45	3/21/2016 07:30	0.75		TIH - NON-ELEVATOR	TIH_NON ELEV	Relog gamma F/9,861' to 9,943'
3/21/2016 07:30	3/21/2016 17:00	9.5		DRILL	DRL	Drill lateral F/9,943' T/10,985' @ 110 fph, 11% complete. 74% Rot @ 139 fph 26% Sldg @ 47 fph MW: 8.2+ w/ 55 vis, full returns. 10 bbl LCM sweeps every other std. ** 11 ppb sweeps - 5.5 ppb ea Mica & Hubercarb 200 ** Lithology: 10000 - 90% SH, 10% LS 10150 - 80% SH, 20% LS 10240 - 70% SH, 30% LS 10390 - 80% SH, 20% LS 10480 - 60% SH, 40% LS 10540 - 70% SH, 30% LS 10750 - 90% SH, 10% LS ** SPR's @ 9953 & 10,891 **
3/21/2016 17:00	3/21/2016 17:30	0.5		PLANNED RIG SERVICE	RIG_SVC	Rig service - Lubricate TDS & blocks
3/21/2016 17:30	3/22/2016 06:00	12.5		DRILL	DRL	Drill lateral F/10,985' T/12,236' @ 100 fph, 23% complete. 80% Rot @ 113 fph 20% Sldg @ 43 fph MW: 8.3 w/ a 59 vis, full returns. 10 bbl LCM sweeps every other std. ** 11 ppb sweeps - 5.5 ppb ea Mica & Hubercarb 200 ** Lithology: 11020 - 70% SH, 30% LS 11070 - 80% SH, 20% LS 11230 - 90% SH, 10% LS 11290 - 80% SH, 20% LS 11350 - 70% SH, 30% LS 11410 - 60% SH, 40% LS 11500 - 80% SH, 20% LS 11680 - 80% SH, 20% LS 11860 - 90% SH, 10% LS 11920 - 80% SH, 20% LS ** SPR's @ 11,454' & 12,111' **

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Report #: 14 Daily Operation: 3/22/2016 06:00 - 3/23/2016 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 037567
Days From Spud (days) 45	Days on Location (days) 12	End Depth (ftKB) 14,185.0	End Depth (TVD) (ftKB) 9,507.3	Dens Last Mud (lb/gal) 8.20	Rig PATTERSON - UTI, 802	

Operations Summary

Drill 8 1/2" Production Lateral

Remarks

No Accidents or Spills

NPT for March:

Patterson: Past 24 hrs - 0, Total - 11.5

3rd Party: Past 24 hrs - 0, Total - 163

Last Survey @ 14,085', Inc., 88.1° Azi., 168.76°, Temp 161°F, Gamma 144, 11.1' Below & 16.6' Left of Plan 3 Line, Production Lateral 42% Complete

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/22/2016 06:00	3/22/2016 17:00	11		DRILL	DRL	Drill lateral F/12,236' T/13,621' @ 126 fph, 36% complete. 75% Rot @ 173 fph 25% Sldg @ 42 fph MW: 8.3 w/ 59 vis, full returns. 10 bbl LCM sweeps every other std. ** 11 ppb sweeps - 5.5 ppb ea Mica & Hubercarb 200 ** Lithology: 12220 - 90% SH, 10% LS 12580 - 80% SH, 20% LS 12670 - 90% SH, 10% LS 13390 - 80% SH, 20% LS 13480 - 90% SH, 10% LS ** SPR's @ 13,235' **
3/22/2016 17:00	3/22/2016 17:30	0.5		PLANNED RIG SERVICE	RIG_SVC	Rig service - Lubricate TDS & blocks
3/22/2016 17:30	3/23/2016 06:00	12.5		DRILL	DRL	Drill lateral F/13,621' T/14,185' @ 45 fph, 42% complete. 36% Rot @ 88 fph 64% Sldg @ 26 fph MW: 8.2 w/ 57 vis, full returns. 10 bbl LCM sweeps every other std. ** 11 ppb sweeps - 5.5 ppb ea Mica & Hubercarb 200 ** Lithology: 13630 - 90% SH, 10% LS 13810 - 80% SH, 20% LS 13840 - 90% SH, 10% LS 13870 - 70% SH, 30% LS 13990 - 80% SH, 20% LS 14050 - 90% SH, 10% LS 14110 - 90% SH, 10% LS ** SPR's @ 14,974' **

Report #: 15 Daily Operation: 3/23/2016 06:00 - 3/24/2016 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 037567
Days From Spud (days) 46	Days on Location (days) 13	End Depth (ftKB) 15,806.0	End Depth (TVD) (ftKB) 9,491.1	Dens Last Mud (lb/gal) 8.40	Rig PATTERSON - UTI, 802	

Operations Summary

Drill 8 1/2" Production Lateral F/14,185' T/15,806'

Remarks

No Accidents or Spills

NPT for March:

Patterson: Past 24 hrs - 0, Total - 11.5

3rd Party: Past 24 hrs - 0, Total - 163

Last Survey @ 15,673', Inc. 88.5° Azi. 165.5°, Temp 175°F, Gamma 104, 4.6' Below & 1.6' Left of Plan 3 Line, Production Lateral 57% Complete

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/23/2016 06:00	3/23/2016 21:30	15.5		DRILL	DRL	Drill lateral F/14185' T/15180' @ 66 fph, 51% complete. 50% Rot @ 94 fph 47% Sldg @ 56 fph MW: 8.2 w/ a 48 vis, full returns. MW: 8.2 / 48, full returns. 5 bbl LCM sweep every std. **Sweeps: 7 sx ea - Mica, Hubercarb 200, Tiger Bullets** Lithology: 14140 - 80% SH, 20% LS 14200 - 70% SH, 30% LS 14260 - 80% SH, 20% LS 14290 - 90% SH, 10% LS 14350 - 80% SH, 20% LS 14380 - 90% SH, 10% LS 14470 - 60% SH, 40% LS 14530 - 70% SH, 30% LS 14650 - 50% SH, 50% LS 14770 - 60% SH, 40% LS
3/23/2016 21:30	3/23/2016 22:00	0.5		PLANNED RIG SERVICE	RIG_SVC	Rig Service.
3/23/2016 22:00	3/24/2016 06:00	8		DRILL	DRL	Drill lateral F/15180' T/15806' @ 78 fph, 57% complete. 72% Rot @ 83 fph 28% Sldg @ 35 fph MW: 8.2 w/ a 48 vis, full returns. 5 bbl LCM sweep every std. Lithology: 15250 - 80% SH, 20% LS 15430 - 90% SH, 10% LS 15520 - 80% SH, 20% LS 15550 - 90% SH, 10% LS

Report #: 16 Daily Operation: 3/24/2016 06:00 - 3/25/2016 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 037567
Days From Spud (days) 47	Days on Location (days) 14	End Depth (ftKB) 17,337.0	End Depth (TVD) (ftKB) 9,452.3	Dens Last Mud (lb/gal) 8.30	Rig PATTERSON - UTI, 802	

Operations Summary

Drill 8 1/2" Production Lateral F/15,806' T/17,337'

Remarks

No Accidents or Spills

NPT for March:

Patterson: Past 24 hrs - 0, Total - 11.5

3rd Party: Past 24 hrs - 0, Total - 163

Last Survey @ MD: 17267' INC 91.1° AZM 166.45 TVD 9452.91' VS 7266.8' TEMP 168 GAMMA 110 - 17.7 ABOVE, 26' RIGHT, plan #3, Lateral 72% Complete

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/24/2016 06:00	3/24/2016 15:30	9.5		DRILL	DRL	Drill lateral F/15806' T/16587' @ 69 fph, 65% complete. 67% Rot @ 77 fph 33% Sldg @ 37 fph MW: 8.3 w/ a 56 vis, full returns. **Sweeps: 7 sx ea - Mica, Hubercarb 200, Tiger Bullets** Lithology: 15820 - 80% SH, 20% LS 15970 - 90% SH, 10% LS 16550 - 80% SH, 20% LS
3/24/2016 15:30	3/24/2016 16:00	0.5		PLANNED RIG SERVICE	RIG_SVC	Rig Service

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/24/2016 16:00	3/25/2016 04:00	12		DRILL	DRL	Drill lateral F/16587' T/17306' @ 62 fph, 72% complete. 42% Rot @ 85 fph 58% Sldg @ 27 fph MW: 8.3 w/ a 56 vis, full returns. Lithology: 16550 - 80% SH, 20% LS 16970 - 90% SH, 10% LS 17030 - 90% SH, 10% LS
3/25/2016 04:00	3/25/2016 04:30	0.5		3RD PARTY REPAIR	3RD_PT Y	Trouble shoot mwd. No Pluse. Shut pumps down 5 min. Started pumps ulse resumed as normal.
3/25/2016 04:30	3/25/2016 05:00	0.5		DRILL	DRL	Drill lateral F/17306' T/17337' @ 31 fph, 72% complete. 50% Rot @ 40 fph 50% Sldg @ 22 fph MW: 8.3 w/ a 56 vis, full returns
3/25/2016 05:00	3/25/2016 06:00	1		CIRCULATE	CIRC	Circ. light mud to bit to clean up mwd. MWD having issues.

Report #: 17 Daily Operation: 3/25/2016 06:00 - 3/26/2016 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 037567
Days From Spud (days) 48	Days on Location (days) 15	End Depth (ftKB) 17,978.0	End Depth (TVD) (ftKB) 9,429.0	Dens Last Mud (lb/gal) 8.30	Rig PATTERSON - UTI, 802	

Operations Summary

Drill 8 1/2" Production Lateral T/17,978'. Troubleshoot MWD, circ & TOOH for BHA

Remarks

No Accidents or Spills

NPT for March:

Patterson: Past 24 hrs - 0, Total - 11.5

3rd Party: Past 24 hrs - 8.75, Total - 171.75

Last Survey @ MD: 17829' INC 93.5° AZM 164.27 TVD 9432.49' N/S -7619.56' E/W 1794.94' DLS 1.84° VS 7828.02' TEMP 175 GAMMA 98 @ SURVEY: 19' AB, plan #3, 78% Complete

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/25/2016 06:00	3/25/2016 15:00	9		DRILL	DRL	Drill lateral F/17306' T/17801' (495' @ 60 fph) 77% complete. 70% Rot @ 78 fph 30% Sldg @ 61 fph MW: 8.3/56, full returns. Lithology: 17420 - 80% SH, 20% LS 17600 - 90% SH, 10% LS 17630 - 70% SH, 30% LS 17750 - 60% SH, 40% LS
3/25/2016 15:00	3/25/2016 15:30	0.5		PLANNED RIG SERVICE	RIG_SVC	Rig service
3/25/2016 15:30	3/25/2016 20:45	5.25		DRILL	DRL	Drill lateral F/17801' T/17962' @ 31 fph, 78% complete. 71% Rot @ 32 fph 29% Sldg @ 33 fph MW: 8.3 w/ a 56 vis, full returns
3/25/2016 20:45	3/25/2016 22:30	1.75		CIRCULATE	CIRC	Circ. and pump walnuts hulls 5 lb pb. To clean up around mwd.
3/25/2016 22:30	3/25/2016 23:00	0.5		DRILL	DRL	Drill lateral F/17962' T/17978' @ 32 fph, 78% complete. 0% Rot @ - fph 100% Sldg @ 32 fph MW: 8.3 w/ a 56 vis, full returns
3/25/2016 23:00	3/26/2016 00:30	1.5		CIRCULATE	CIRC	Circ and prepare to trip out for new bha. Had mwd failure.
3/26/2016 00:30	3/26/2016 06:00	5.5		TOOH - ELEVATOR	TOOH_E LEV	Tooh for bha. @ 2000

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Report #: 18 Daily Operation: 3/26/2016 06:00 - 3/27/2016 06:00

Job Category ORIG DRILLING			Primary Job Type ODR		AFE Number 037567
Days From Spud (days) 49	Days on Location (days) 16	End Depth (ftKB) 18,389.0	End Depth (TVD) (ftKB) 9,430.3	Dens Last Mud (lb/gal) 8.40	Rig PATTERSON - UTI, 802

Operations Summary

LD BHA, PU new lateral BHA, TIH, Drill T/18,389'

Remarks

No Accidents or Spills

NPT for March:

Patterson: Past 24 hrs - 0, Total - 11.5

3rd Party: Past 24 hrs - 16.5, Total - 188.25

Last Survey @ MD: 18227' INC 89.8° AZM 165.4 TVD 9430.85' N/S -8004.28' E/W 1896.37' DLS 1.29° VS 8225.8' TEMP 175 GAMMA 114 @ SURVEY: 11.6 AB, 11.7 R, 82% Complete

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/26/2016 06:00	3/26/2016 06:15	0.25		TOOH - ELEVATOR	TOOH_ELEV	TOOH F/2000' - T/ BHA'. Monitoring hole fill from trip tanks.
3/26/2016 06:15	3/26/2016 06:30	0.25		N/U BOPE	NU_BOP E	Remove rotating head and install trip nipple.
3/26/2016 06:30	3/26/2016 06:45	0.25		SAFETY	SFTY	PJSM - Handling BHA
3/26/2016 06:45	3/26/2016 07:45	1		L/D BHA	L/D BHA	LD lateral BHA. Drain MM (good). Break 8.5" HAL MMD65D (1-4-CT-S-X-0-WT-DTF).
3/26/2016 07:45	3/26/2016 09:30	1.75		P/U BHA	PU_BHA	MU 8.5" BHA. PU MM & MWD. Surface test tools. MU 8.5" MM65D.
3/26/2016 09:30	3/26/2016 13:15	3.75		TIH - ELEVATOR	TIH_ELEV	TIH T/6,197', filling pipe every 30 stds. Hole displacing properly to trip tanks
3/26/2016 13:15	3/26/2016 13:30	0.25		SAFETY	SFTY	PJSM - Slip & Cut
3/26/2016 13:30	3/26/2016 14:30	1		SLIP & CUT	SLIP_CUT	Slip & cut 80' Re-calibrate drawworks
3/26/2016 14:30	3/26/2016 14:45	0.25		TIH - ELEVATOR	TIH_ELEV	TIH F/5760' T/6133' Hole displacing properly to trip tanks
3/26/2016 14:45	3/26/2016 16:15	1.5		LWD	LWD	Survey mgmt - 6 axis surveys F/6,133' to 6,696'.
3/26/2016 16:15	3/26/2016 20:45	4.5		TIH - ELEVATOR	TIH_ELEV	TIH F/6696' & tag up @ 17265' Fill pipe every 30 std, Hole displacing properly to trip tanks
3/26/2016 20:45	3/26/2016 21:45	1		TIH - NON-ELEVATOR	TIH_NON ELEV	W&R F/17265' T/17928' RPM-40, TQ-11k, GPM-420, SPP-2020, WOB-15k
3/26/2016 21:45	3/26/2016 22:30	0.75		LWD	LWD	Re-log gamma @ 150 fph
3/26/2016 22:30	3/27/2016 06:00	7.5		DRILL	DRL	Drill lateral F/17978' T/18389' (411' @ 55 fph) 82% complete. 73% Rot @ 70 fph 27% Sldg @ 16 fph MW: 8.3/56, full returns. Lithology: 18010 - 80% SH, 20% LS 18030 - 70% SH, 30% LS 18150 - 80% SH, 20% LS

Report #: 19 Daily Operation: 3/27/2016 06:00 - 3/28/2016 06:00

Job Category ORIG DRILLING			Primary Job Type ODR		AFE Number 037567
Days From Spud (days) 50	Days on Location (days) 17	End Depth (ftKB) 18,668.0	End Depth (TVD) (ftKB) 9,422.1	Dens Last Mud (lb/gal) 8.40	Rig PATTERSON - UTI, 802

Operations Summary

Drill to 18,668', troubleshoot SPP spike, TOOH wet & LD BHA.MM or agitator didn't drain.2 jets plugged w/ rubber.

Remarks

No Accidents or Spills

NPT for March:

Patterson: Past 24 hrs - 0, Total - 11.5

3rd Party: Past 24 hrs - 17, Total - 205.25

Survey @ MD: 18508' INC 94.1° AZM 166.05 TVD 9424.95' N/S -8275.98' E/W 1967.35' DLS 2.6° VS 8506.57' TEMP 175 GAMMA 110 @ SURVEY: 9.8' ABOVE / 9.5' RIGHT 82% Complete

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/27/2016 06:00	3/27/2016 13:00	7		DRILL	DRL	Drill lateral F/18389' T/18668' (279' @ 40 fph) 85% complete. 57% Rot @ 51 fph 43% Sldg @ 27 fph MW: 8.3+/58, full returns. Lithology: 18390 - 80% SH, 20% LS 18480 - 70% SH, 30% LS 18530 - 60% SH, 40% LS 18540 - 70% SH, 30% LS
3/27/2016 13:00	3/27/2016 13:30	0.5		DRILL	DRL	After connection, seen off bottom pressure spike of 700# over previous std. Rack that std back, isolate pumps, re-take SPR @ 20 SPM on each pump, nearly double previous reading 250' ago.
3/27/2016 13:30	3/27/2016 13:45	0.25		SAFETY	SFTY	PJSM w/ Patt & PNR over proper wet trip practices
3/27/2016 13:45	3/27/2016 15:15	1.5		TOOH - ELEVATOR	TOOH_E LEV	Pull 7 stds wet while building slug, Max PU 355k
3/27/2016 15:15	3/28/2016 03:00	11.75		TOOH - ELEVATOR	TOOH_E LEV	Pump slug, Pipe pulled wet. TOOH T/xxxx, no issues, hole taking proper fill from trip tanks.
3/28/2016 03:00	3/28/2016 04:30	1.5		L/D BHA	L/D BHA	LD lateral BHA. Drain MM (Did not drain). 2 jets plug and agitator did not drain. Break 8.5" HAL MMD65D (1-4-CT-S-X-0-WT-DTF).
3/28/2016 04:30	3/28/2016 05:30	1		SAFETY	SFTY	Clean floor and was top dog house windows. TOOH wet trip mud bucket leaking out of side rubbers.
3/28/2016 05:30	3/28/2016 06:00	0.5		P/U BHA	PU_BHA	MU 8.5" BHA. PU MM & MWD. Surface test tools. MU 8.5" MM65D.

Report #: 20 Daily Operation: 3/28/2016 06:00 - 3/29/2016 06:00

Job Category	Primary Job Type	AFE Number
ORIG DRILLING	ODR	037567
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)
51	18	19,231.0
		End Depth (TVD) (ftKB)
		9,403.0
		Dens Last Mud (lb/gal)
		8.40
		Rig
		PATTERSON - UTI, 802

Operations Summary

MU BHA, TIH, Ream 16,650 to 18,668, Drill Lateral T/19,231'

Remarks

No Accidents or Spills

NPT for March:

Patterson: Past 24 hrs - 0, Total - 11.5

3rd Party: Past 24 hrs - 16.75, Total - 222

SURVEY @ MD: 19069' INC 93.4° AZM 164.73 TVD 9411.02' N/S -8819.22' E/W 2106.23' DLS 1.97° VS 9067.22' TEMP 175 GAMMA 93 @ SURVEY: 9.7' ABOVE / 7.4' RIGHT 91% Complete

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/28/2016 06:00	3/28/2016 06:30	0.5		SAFETY	SFTY	Finish cleaning OBM off rig floor from wet trip, RD mud bucket
3/28/2016 06:30	3/28/2016 06:45	0.25		SAFETY	SFTY	PJSM w/ Patt, Leam & PNR on proper BHA handling
3/28/2016 06:45	3/28/2016 08:30	1.75		P/U BHA	PU_BHA	MU 8.5" BHA. PU MM & MWD. Surface test tools. MU 8.5" MM65D.
3/28/2016 08:30	3/28/2016 11:45	3.25		TIH - ELEVATOR	TIH_ELEV	TIH T/6,197', filling pipe every 30 stds. Hole displacing properly ** PU agitator @ 2948' **
3/28/2016 11:45	3/28/2016 12:30	0.75		CIRCULATE	CIRC	Swap rotating head, fill pipe, test agitator w/ 60 spm & 750 psi
3/28/2016 12:30	3/28/2016 13:00	0.5		PLANNED RIG SERVICE	RIG_SVC	Rig Service - Blocks, TD, DW & Crown
3/28/2016 13:00	3/28/2016 14:30	1.5		LWD	LWD	Survey mgmt - 6 axis surveys F/6,133' to 6,696'.
3/28/2016 14:30	3/28/2016 20:00	5.5		TIH - ELEVATOR	TIH_ELEV	TIH F/6696' & tag up @ 16650' Fill pipe every 30 std. Hole displacing properly.
3/28/2016 20:00	3/28/2016 22:00	2		TIH - NON-ELEVATOR	TIH_NON ELEV	Wash & Ream F/16,650 T/18,575' @ GPM-418, SPP-1995, RPM-40, TQ-11k
3/28/2016 22:00	3/28/2016 22:45	0.75		LWD	LWD	Re-Log last std @ GPM-544, SPP-3650, RPM-80, TQ-10k.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/28/2016 22:45	3/29/2016 06:00	7.25		DRILL	DRL	Drill lateral F/18668' T/19231' (563' @ 78 fph) 91% complete. 83% Rot @ 83 fph 17% Sldg @ 30 fph MW: 8.3+/58, full returns. Lithology: 18760 - 80% SH, 20% LS 18820 - 80% SH, 20% LS 18880 - 70% SH, 30% LS 18990 - 80% SH, 20% LS

Report #: 21 Daily Operation: 3/29/2016 06:00 - 3/30/2016 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 037567
Days From Spud (days) 52	Days on Location (days) 19	End Depth (ftKB) 20,165.0
	End Depth (TVD) (ftKB) 9,386.7	Dens Last Mud (lb/gal) 8.40
	Rig PATTERSON - UTI, 802	

Operations Summary

Drill to TD @ 20,165', Circ per K&M. Perform flow check & Slug pipe tooh. 17,500'

Remarks

No Accidents or Spills

NPT for March:

Patterson: Past 24 hrs - 0, Total - 11.5

3rd Party: Past 24 hrs - 0, Total - 222

Final Survey - 20097' INC 92.4° AZM 163.05 TVD 9389.22' DLS 1.03° VS 10094.2' TEMP 182 GAMMA 109 (5.8' ABOVE / 15.1' LEFT) 100% complete

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/29/2016 06:00	3/29/2016 16:15	10.2 5		DRILL	DRL	Drill lateral F/19231' T/19887' (656' @ 64 fph) 97% complete. 83% Rot @ 63 fph 17% Sldg @ 21 fph MW: 8.4/59, full returns. Lithology: 19240 - 70% SH, 30% LS 19330 - 60% SH, 40% LS 19360 - 70% SH, 30% LS 19420 - 60% LS, 40% SH 19480 - 50% SH, 50% LS 19600 - 60% LS, 40% SH 19660 - 70% SH, 30% LS
3/29/2016 16:15	3/29/2016 16:45	0.5		PLANNED RIG SERVICE	RIG_SVC	Rig Service - DW, TDS & Blocks
3/29/2016 16:45	3/29/2016 21:00	4.25		DRILL	DRL	Drill lateral F/19887' T/20165' (278' @ 74 fph) 100% complete. 100% Rot @ 74 fph MW: 8.4/60, full returns. Lithology: 19900 - 80% SH, 20% LS 20020 - 80% SH, 20% LS
3/29/2016 21:00	3/29/2016 22:00	1		CIRCULATE	CIRC	Circ BU @ TD, GPM-561, SPP-3796, RPM-100, TQ-11k Then take final survey - 92.4° / 163.05° / 5.8' above / 15.1' Left
3/29/2016 22:00	3/30/2016 04:00	6		CIRCULATE	CIRC	Circ 6 x BU. GPM-561, SPP-3680, RPM-100, TQ-11k Circ out 2-10 bbl vis sweep, followed by 2-20 bbl vis sweep. 1st set of sweeps loaded up shakers w/ cuttings, 1st 20 bbl sweep unloaded fines & shakers cleaned up following final sweep.
3/30/2016 04:00	3/30/2016 04:15	0.25		FLOW CHECK	FLOW_C HK	Flow Check - Well Static.
3/30/2016 04:15	3/30/2016 06:00	1.75		TOOH - ELEVATOR	TOOH_E LEV	Tooh to run 5.5 casing.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Report #: 22 Daily Operation: 3/30/2016 06:00 - 3/31/2016 06:00

Job Category ORIG DRILLING			Primary Job Type ODR		AFE Number 037567
Days From Spud (days) 53	Days on Location (days) 20	End Depth (ftKB) 20,165.0	End Depth (TVD) (ftKB) 9,386.7	Dens Last Mud (lb/gal) 8.50	Rig PATTERSON - UTI, 802

Operations Summary

Finish TOO H, LD BHA, RU csg tools & run prod'n csg to 11,000'

Remarks

No Accidents or Spills

NPT for March:

Patterson: Past 24 hrs - 0, Total - 11.5

3rd Party: Past 24 hrs - 0, Total - 222

Final Survey - 20097' INC 92.4° AZM 163.05 TVD 9389.22' DLS 1.03° VS 10094.2' TEMP 182 GAMMA 109 (5.8' ABOVE / 15.1' LEFT) 100% complete

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/30/2016 06:00	3/30/2016 10:00	4		TOOH - ELEVATOR	TOOH_E LEV	Cont. TOOH F/14,500' to 5400' Hole taking proper fill from trip tank.
3/30/2016 10:00	3/30/2016 10:30	0.5		PLANNED RIG SERVICE	RIG_SVC	Rig service
3/30/2016 10:30	3/30/2016 11:00	0.5		N/U BOPE	NU_BOP E	Pull rotating head & install trip nipple.
3/30/2016 11:00	3/30/2016 13:30	2.5		TOOH - ELEVATOR	TOOH_E LEV	Cont. TOOH F/ 3,500' to 115'. Hole taking proper fill from trip tanks. ** Lay down agitator @ 2,950'
3/30/2016 13:30	3/30/2016 13:45	0.25		PLANNED RIG SERVICE	RIG_SVC	PJSM w/ Patt, Leam & PNR - Proper BHA handling
3/30/2016 13:45	3/30/2016 15:30	1.75		L/D BHA	L/D BHA	LD lateral BHA. Drain MM (good). Break 8.5" HAL MMD65D (1-1-WT-S-X-0-WT-TD)
3/30/2016 15:30	3/30/2016 15:45	0.25		SAFETY	SFTY	PJSM w/ Patt & PNR over pulling wear bushing.
3/30/2016 15:45	3/30/2016 16:15	0.5		WELLHEAD	WH	PU single jt DP w/ wear bushing retrieval tool already MU, remove lock down pins & pull wear bushing & LD same ** Confined Space Permit in Place**
3/30/2016 16:15	3/30/2016 16:30	0.25		SAFETY	SFTY	PJSM w/ Patt, Franks, Weatherford, Superior, Frontier - RU for production casing job & running production casing.
3/30/2016 16:30	3/30/2016 18:00	1.5		RIG UP	RU	RU Franks casing crew and Frontier torque turn. Perform safety inspection on tools.
3/30/2016 18:00	3/30/2016 19:00	1		RUN CSG W/O WASH	CSG_W/ OWASH	MU shoe track & test same (good). Down Jet Single Valve Float Shoe, 2 jts csg, Double Valve Float Collar w/ Latch-in plate, 1 jt csg, 1 Weatherford time delayed toe sleeve (15 mins) w/ pups on ends (pinned @12,500 psi) **Thread lock every connection **Everything is 5-1/2" 20# P-110 IC, TXP-BTC **Optimum Torque = 12,520 ft/lbs
3/30/2016 19:00	3/31/2016 00:15	5.25		RUN CSG W/O WASH	CSG_W/ OWASH	Run 5.5" Production Casing F/155' to 6,053'. Fill every 30 jts. OptimumTq. - 12,520 ft/lbs. Hole displacing properly. Avg. ID of 10 Jts. 4.7815" Avg. OD of 10 Collars 6.0625" ID of Elevators 5.625"
3/31/2016 00:15	3/31/2016 00:45	0.5		RUN CSG W/O WASH	CSG_W/ OWASH	Broke circ. at shoe. @6,053 full returns no losses.
3/31/2016 00:45	3/31/2016 04:00	3.25		RUN CSG W/O WASH	CSG_W/ OWASH	Run 5.5" Production Casing F/6,053' to 10,054'. Fill every 30 jts. OptimumTq. - 12,520 ft/lbs. Hole displacing properly. Avg. ID of 10 Jts. 4.7815" Avg. OD of 10 Collars 6.0625" ID of Elevators 5.625"
3/31/2016 04:00	3/31/2016 05:00	1		RUN CSG W/O WASH	CSG_W/ OWASH	Circ B/U @ 10,054' (base of curve) @ 8 bpm, 392 psi. Full returns to surface. 45 units gas @ B/U. Shakers clean throughout.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/31/2016 05:00	3/31/2016 06:00	1		RUN CSG W/O WASH	CSG_W/ OWASH	Run 5.5" Production Casing F/10,054' to 11,000'. Fill every 30 jts. OptimumTq. - 12,520 ft/lbs. Hole displacing properly. Avg. ID of 10 Jts. 4.7815" Avg. OD of 10 Collars 6.0625" ID of Elevators 5.625"

Report #: 23 Daily Operation: 3/31/2016 06:00 - 4/1/2016 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 037567
Days From Spud (days) 54	Days on Location (days) 21	End Depth (ftKB) 20,165.0	End Depth (TVD) (ftKB) 9,386.7	Dens Last Mud (lb/gal) 8.40	Rig PATTERSON - UTI, 802	

Operations Summary

Run 5-1/2" Production Casing, Cement Casing, Install packoff, N/D BOP, Install & Test Abandonment Cap

Remarks

No Accidents or Spills

NPT for March:

Patterson: Past 24 hrs - 0, Total - 11.5

3rd Party: Past 24 hrs - 0, Total - 222

Final Survey - 20097' INC 92.4° AZM 163.05 TVD 9389.22' DLS 1.03° VS 10094.2' TEMP 182 GAMMA 109 (5.8' ABOVE / 15.1' LEFT) 100% complete

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/31/2016 06:00	3/31/2016 15:30	9.5		RUN CSG W/O WASH	CSG_W/ OWASH	Run 5.5" Production Casing F/11,000' to 20,017'. Fill every 30 jts. OptimumTq. - 12,520 ft/lbs. Hole displacing properly.
3/31/2016 15:30	3/31/2016 16:00	0.5		RUN CSG WITH WASH	CSG_W WASH	Pick up casing hanger & landing joint, land casing in well head. Seaboard/Weir Rep. & PNR Co. Man Witness. Casing set at 20,133' MD **Seaboard/Weir Rep. confirmed all lock pins backed out prior to landing. **Confined Space Permit in place. Marker 1 8,915' Marker 2 8,728' Toe Sleeve 19,989' Float Collar 20,045' Shoe 20,130' Ran 43 Rigid Body Centralizers
3/31/2016 16:00	3/31/2016 16:15	0.25		SAFETY	SFTY	PJSM W/Patterson rig crew, Frontier Tq Turn, Franks casing crew & PNR Rep. on R/D casing tools, R/D casing tools.
3/31/2016 16:15	3/31/2016 16:45	0.5		RIG DOWN	RD	Rig down Franks CRT & Casing tools. Lay down the same.
3/31/2016 16:45	3/31/2016 17:15	0.5		RIG UP	RU	Rig up cmt head & circ w/ rig pumps while prepping for cmt job.
3/31/2016 17:15	3/31/2016 18:30	1.25		CIRCULATE	CIRC	Circ. Casing volume @ 8 bpm, 635 spp. 1 x surface/surface volume. **PJSM W/Patterson rig crew, SLB & PNR Rep. on R/U Cementers, R/U Cement Pumps & iron to floor while circulating casing.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/31/2016 18:30	3/31/2016 23:00	4.5		CEMENT	CMT	Cement 5 1/2" casing: Flush lines to pits; Test lines to 4,500 psi; Pump 50 bbls Visc Water; Pump 50 bbl spacer (9.5 ppg Mudpush); Pump 165 bbl lead cement (362 sks; Yield 2.56; 11.5 ppg); Pump 482 bbl Tail cement (1680 sks; 12.5 ppg; Yield 1.61); Displace w/444 bbl H2O 8.3 ppg; land plug with 1,700 psi @ 3.3 bbls/min. and bump 1,800 psi over FCP to 3,500 psi; Floats held; Bleed back 5.5 bbls to truck; Full returns through out cement job. ** Cementing details under cementing section **
3/31/2016 23:00	4/1/2016 02:30	3.5		N/D BOPE	ND_BOP E	Install BOP wrangler, 4 bolt BOPs, Rig down turn buckles, break flow line, break spool @ top of wellhead. Lift stack. **Install, torque up night cap & test ** **Release rig from University 7-43 28H at 06:00 hrs on 4/1/16 **
4/1/2016 02:30	4/1/2016 03:00	0.5		RIG DOWN	RD	Rig Down Head and Cement iron from rig floor. ** Start flushing through mud lines & Stack **
4/1/2016 03:00	4/1/2016 04:00	1		CEMENT	CMT	Finish Flushing through mud lines & BOP stack & blow back through lines to pits. Drain Stack.
4/1/2016 04:00	4/1/2016 04:15	0.25		SAFETY	SFTY	PJSM over install pack off w/ rig crew, Seaboard rep & PNR CM.
4/1/2016 04:15	4/1/2016 05:45	1.5		WELLHEAD	WH	Remove landing joint, install pack off, energize seals and tighten all lock pins. Pull setting tool & L/D Landing joint. **PNR Rep. Witness operation. **Confined Space Permit in Place
4/1/2016 05:45	4/1/2016 06:00	0.25		SAFETY	SFTY	PJSM over Nippling down stack & installing night cap with Rig crew, Edge crew & PNR CM.

Report #: 1 Daily Operation: 4/22/2016 06:00 - 4/23/2016 06:00

Job Category	Primary Job Type	AFE Number
ORIG COMPLETION	OCM	037568
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)
76	1	0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig

Operations Summary
nipple up tubing head, fill cellar with gravel

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/22/2016 06:00	4/22/2016 08:00	2	NONOPS	WELL SHUT IN	SHUT_IN	WSI waiting on crew
4/22/2016 08:00	4/22/2016 20:00	12	SETUP	WELLHEAD/CELLAR	WH/CELL AR	Nipple up tubing hanger, and plumb annulus valves and fill cellar with gravel
4/22/2016 20:00	4/23/2016 06:00	10	NONOPS	WELL SHUT IN	SHUT_IN	WSI no activity

Report #: 2 Daily Operation: 4/25/2016 06:00 - 4/26/2016 06:00

Job Category	Primary Job Type	AFE Number
ORIG COMPLETION	OCM	037568
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)
79	2	0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig

Operations Summary
Prep location for frac

Remarks

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	NONOPS	WELL SHUT IN	SHUT_IN	WSI waiting on crew

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/25/2016 09:00	4/25/2016 09:10	0.16 7	NONOPS	NON ACTIVE DUE TO SAFETY EVENT	SAFETY	Safety meeting with crew
4/25/2016 09:10	4/25/2016 13:00	3.83 3	SETUP	LOCATION	LOCATIO N	Spotted tanks and trailer
4/25/2016 13:00	4/26/2016 07:00	18	NONOPS	WELL SHUT IN	SHUT_IN	WSI no activity

Report #: 3 Daily Operation: 4/26/2016 06:00 - 4/27/2016 06:00

Job Category ORIG COMPLETION	Primary Job Type OCM	AFE Number 037568
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Days From Spud (days) 80	Days on Location (days) 3	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
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Operations Summary

NU frac stack and psi test flang

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/26/2016 06:00	4/26/2016 07:00	1	NONOPS	WELL SHUT IN	SHUT_IN	WSI waiting on crew
4/26/2016 07:00	4/26/2016 07:10	0.16 7	NONOPS	NON ACTIVE DUE TO SAFETY EVENT	SAFETY	JSA safety meeting
4/26/2016 07:10	4/26/2016 18:10	11	SETUP	FRAC STACK	FRAC_S TAC	NU frac stack and pressure tested the bottom flang to 10000psi
4/26/2016 18:10	4/27/2016 06:00	11.8 33	NONOPS	WELL SHUT IN	SHUT_IN	WSI no activity

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

Job Category ORIG COMPLETION	Primary Job Type OCM	AFE Number 037568
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Days From Spud (days) 81	Days on Location (days) 4	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig NINE ENERGY SERVICES, 120
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Operations Summary

Log the vertical

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/27/2016 06:00	4/27/2016 07:00	1	NONOPS	WELL SHUT IN	SHUT_IN	Waiting on crew
4/27/2016 07:00	4/27/2016 07:10	0.16 7	NONOPS	NON ACTIVE DUE TO SAFETY EVENT	SAFETY	Had safety meeting with WL crew
4/27/2016 07:10	4/27/2016 15:00	7.83 3	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WSI waiting on logging ops on the 27H
4/27/2016 15:00	4/27/2016 15:40	0.66 7	WIRELINE	CBL	WL_CBL	Tried to go in with CCL but had a bad leak on the pack off. We shut down for new pack off to arrive to location.
4/27/2016 15:40	4/27/2016 17:40	2	NONOPS	WELL SHUT IN	SHUT_IN	WSI waiting on new pack off
4/27/2016 17:40	4/27/2016 21:00	3.34	WIRELINE	CBL	WL_CBL	RIH with CBL to 9,800' and log to Surface
4/27/2016 21:00	4/28/2016 06:00	9	NONOPS	WELL SHUT IN	SHUT_IN	

Report #: 5 Daily Operation: 4/28/2016 06:00 - 4/29/2016 06:00

Job Category ORIG COMPLETION	Primary Job Type OCM	AFE Number 037568
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Days From Spud (days) 82	Days on Location (days) 5	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
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Operations Summary

Toe prep and clean out

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/28/2016 06:00	4/28/2016 08:00	2	NONOPS	WELL SHUT IN	SHUT_IN	WSI waiting on crew

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/28/2016 08:00	4/28/2016 08:10	0.16 7	NONOPS	NON ACTIVE DUE TO SAFETY EVENT	SAFETY	Safety meeting with crew
4/28/2016 08:10	4/28/2016 16:50	8.66 7	SETUP	RIG UP OR RIG DOWN	RURD	Rigged up 2 pumps to 3 wells
4/28/2016 16:50	4/28/2016 17:20	0.5	TEST	PRIME	TEST_P RIME	Primed up pumps
4/28/2016 17:20	4/28/2016 18:00	0.66 7	TEST	SURFACE LINES/PUMP	TEST_LI NE	Tested lines and set pop off
4/28/2016 18:00	4/29/2016 06:00	12	NONOPS	SHUT DOWN FOR NIGHT	SDFN	WSI no activity

Report #: 6 Daily Operation: 4/29/2016 06:00 - 4/30/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037568
Days From Spud (days) 83	Days on Location (days) 6	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

Toe perp and clean out

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/29/2016 06:00	4/29/2016 06:10	0.16 7	NONOPS	WELL SHUT IN	SHUT_IN	got everyone together for safety meeting
4/29/2016 06:10	4/29/2016 06:20	0.16 7	NONOPS	NON ACTIVE DUE TO SAFETY EVENT	SAFETY	Had safety meeting with crew
4/29/2016 06:20	4/29/2016 11:20	5	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WSI waiting on 29H ops
4/29/2016 11:20	4/29/2016 13:20	2	TEST	PRIME	TEST_P RIME	
4/29/2016 13:20	4/29/2016 15:55	2.58 9	TEST	CASING	TEST_C SG	Tested casing to 8000psi 10 min and tested to 9500psi , pumped sweeps flushed well .
4/29/2016 15:55	4/30/2016 06:00	14.0 89	NONOPS	WELL SHUT IN	SHUT_IN	WSI waiting on P&P stage 1

Report #: 7 Daily Operation: 4/30/2016 06:00 - 5/1/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037568
Days From Spud (days) 84	Days on Location (days) 7	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

WSI no activity

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/30/2016 06:00	5/1/2016 06:00	24	NONOPS	WELL SHUT IN	SHUT_IN	WSI waiting to P&P stage 1

Report #: 8 Daily Operation: 5/1/2016 06:00 - 5/2/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037568
Days From Spud (days) 85	Days on Location (days) 8	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

MIRU PPS Pumpdown Test Iron,
Prep for Stage 1 WL ops.

Remarks

No incidents or accidents to report.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/1/2016 06:00	5/2/2016 06:00	24	SETUP	RIG UP OR RIG DOWN	RURD	MIRU PPS Pumpdown, Frac Tanks Prepare loc. for wireline ops.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Report #: 9 Daily Operation: 5/2/2016 06:00 - 5/3/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037568
Days From Spud (days) 86	Days on Location (days) 9	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig NINE ENERGY SERVICES, 120	

Operations Summary

MIRU Nine Wireline, Downhole Tech , LA Crane, Plug & Perf Stage 1. Start MIRU PPS Frac Fleet.

Remarks

No incidents or accidents to report.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/2/2016 06:00	5/2/2016 16:30	10.5	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON OPERATIONS ON 27H AND 29H
5/2/2016 16:30	5/2/2016 16:40	0.17	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU LUBE
5/2/2016 16:40	5/2/2016 17:58	1.3	WIRELINE	RUN DOWN	WL_RUN DN	WL RIH
5/2/2016 17:58	5/2/2016 18:04	0.1	WIRELINE	PLUG/PERF	WL_PERF	Plug & Perf Stage 1 as Designed Set Plug @ 19,979'
5/2/2016 18:04	5/2/2016 20:28	2.4	WIRELINE	RUN UP	WL_RUN UP	POOH Running Collar log
5/2/2016 20:28	5/2/2016 21:28	1	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube
5/2/2016 21:28	5/3/2016 06:00	8.53	SETUP	RIG UP OR RIG DOWN	RURD	MIRU PPS Frac

Report #: 10 Daily Operation: 5/3/2016 06:00 - 5/4/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037568	
Days From Spud (days) 87	Days on Location (days) 10	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig NINE ENERGY SERVICES, 120		

Operations Summary

MIRU PPS #2 and support eq

Remarks

No incidents or accidents to report.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/3/2016 06:00	5/4/2016 06:00	24	SETUP	RIG UP OR RIG DOWN	RURD	MIRU PPS #2 and support eq

Report #: 11 Daily Operation: 5/4/2016 06:00 - 5/5/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037568	
Days From Spud (days) 88	Days on Location (days) 11	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, Pump Down		

Operations Summary

Finish RU of PPS/Begin stg 1/Work on pumps/Resume stg 1/Frac'n @ report time

Remarks

No incidents or accidents to report.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/4/2016 06:00	5/4/2016 18:00	12	SETUP	RIG UP OR RIG DOWN	RURD	Finish rigging PPS #2 up
5/4/2016 18:00	5/4/2016 21:15	3.25	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Waiting on PPS to unclog gel lines/gel pumps, run cables to pumps, check communications with pumps/psi transducers and all eq. Fix leaks on iron
5/4/2016 21:15	5/4/2016 22:00	0.75	TEST	PRIME	TEST_P RIME	
5/4/2016 22:00	5/4/2016 22:21	0.35	TEST	SURFACE LINES/PUMP	TEST_LI NE	
5/4/2016 22:21	5/4/2016 22:30	0.15	TEST	MISC EQUIPMENT	TEST_E QUIP	Test pop offs
5/4/2016 22:30	5/5/2016 00:00	1.5	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Cannot read blender discharge psi in van, e-tech working on blender. Electrician is working on sand cab power issues
5/5/2016 00:00	5/5/2016 00:30	0.5	FRAC	FRAC / STIM	STIM	Begin stage 1 frac

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/5/2016 00:30	5/5/2016 03:53	3.39	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Down due to pump issues. Lock up issue/fluid end knocking/packing/bore seal and 1 leaking hydraulic oil. Waiting on PPS to repair and RU the 16th pump that was supposed to be inline before starting.
5/5/2016 03:53	5/5/2016 06:00	2.11	FRAC	FRAC / STIM	STIM	Resume stg 1/Frac'n @ report time

Report #: 12 Daily Operation: 5/5/2016 06:00 - 5/6/2016 06:00

Job Category ORIG COMPLETION	Primary Job Type OCM	AFE Number 037568
Days From Spud (days) 89	Days on Location (days) 12	End Depth (ftKB) 0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, Pump Down

Operations Summary
FRAC STGS - 1, 2
PERF STGS - 2, 3

Remarks
No incidents or accidents to report.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/5/2016 06:00	5/5/2016 08:48	2.8	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	FRAC DOWN DUE TO SAND BELT
5/5/2016 08:48	5/5/2016 10:18	1.5	FRAC	FRAC / STIM	STIM	CONT FRAC STAGE 1
5/5/2016 10:18	5/5/2016 10:51	0.55	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU/PSI TEST LUBE
5/5/2016 10:51	5/5/2016 11:36	0.75	WIRELINE	RUN DOWN	WL_RUN DN	RIH
5/5/2016 11:36	5/5/2016 11:42	0.1	WIRELINE	PLUG/PERF	WL_PERF	PERF STAGE 2
5/5/2016 11:42	5/5/2016 12:42	1	WIRELINE	RUN UP	WL_RUN UP	POOH
5/5/2016 12:42	5/5/2016 12:57	0.25	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD LUBE
5/5/2016 12:57	5/5/2016 20:29	7.54	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON 27H/29H OPS
5/5/2016 20:29	5/5/2016 20:50	0.35	FRAC	SWING IRON	IRON	Swap iron
5/5/2016 20:50	5/5/2016 21:50	1	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Work on frac pumps
5/5/2016 21:50	5/5/2016 21:55	0.08	TEST	PRIME	TEST_PRIME	Prime
5/5/2016 21:55	5/5/2016 22:12	0.28	TEST	SURFACE LINES/PUMP	TEST_LINE	Test lines
5/5/2016 22:12	5/5/2016 23:46	1.58	FRAC	FRAC / STIM	STIM	Start stg 2
5/5/2016 23:46	5/6/2016 00:30	0.73	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	SD and try and fix 30/50 silo with no luck. Waited for sand to offload in another 30/50 silo to resume
5/6/2016 00:30	5/6/2016 01:22	0.87	FRAC	FRAC / STIM	STIM	Resume and complete stg 2 of 41
5/6/2016 01:22	5/6/2016 01:57	0.58	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU lube
5/6/2016 01:57	5/6/2016 02:56	0.98	WIRELINE	RUN DOWN	WL_RUN DN	RIH
5/6/2016 02:56	5/6/2016 03:02	0.1	WIRELINE	PLUG/PERF	WL_PERF	Perf stage 3 of 41 as design
5/6/2016 03:02	5/6/2016 04:02	1	WIRELINE	RUN UP	WL_RUN UP	POOH
5/6/2016 04:02	5/6/2016 06:00	1.96	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on frac ops

Report #: 13 Daily Operation: 5/6/2016 06:00 - 5/7/2016 06:00

Job Category ORIG COMPLETION	Primary Job Type OCM	AFE Number 037568
Days From Spud (days) 90	Days on Location (days) 13	End Depth (ftKB) 0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, Pump Down

Operations Summary
FRAC STGS - 3,4
PERF STGS - 4,5

Remarks
No incidents or accidents to report.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/6/2016 06:00	5/6/2016 10:30	4.5	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON 27H/29H OPS
5/6/2016 10:30	5/6/2016 12:18	1.8	FRAC	SWING IRON	IRON	SWAP IRON/PSI TEST
5/6/2016 12:18	5/6/2016 14:30	2.2	FRAC	FRAC / STIM	STIM	FRAC STAGE 3
5/6/2016 14:30	5/6/2016 15:00	0.5	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU LUBE
5/6/2016 15:00	5/6/2016 15:42	0.7	WIRELINE	RUN DOWN	WL_RUN DN	RIH with WL.
5/6/2016 15:42	5/6/2016 15:48	0.1	WIRELINE	PLUG/PERF	WL_PERF	PERF STAGE 4
5/6/2016 15:48	5/6/2016 16:33	0.75	WIRELINE	RUN UP	WL_RUN UP	POOH
5/6/2016 16:33	5/6/2016 16:48	0.25	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD lube
5/6/2016 16:48	5/7/2016 01:18	8.5	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON 27H/29H OPS
5/7/2016 01:18	5/7/2016 01:28	0.167	FRAC	SWING IRON	IRON	SWING IRON
5/7/2016 01:28	5/7/2016 01:35	0.13	TEST	PRIME	TEST_PRIME	PRIME UP
5/7/2016 01:35	5/7/2016 01:49	0.23	TEST	SURFACE LINES/PUMP	TEST_LINE	TEST LINES
5/7/2016 01:49	5/7/2016 04:01	2.2	FRAC	FRAC / STIM	STIM	FRAC STAGE # 4
5/7/2016 04:01	5/7/2016 04:32	0.52	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	R/U Lube
5/7/2016 04:32	5/7/2016 05:29	0.94	WIRELINE	RUN DOWN	WL_RUN DN	RIH with WL.
5/7/2016 05:29	5/7/2016 05:35	0.1	WIRELINE	PLUG/PERF	WL_PERF	Set CFP and perf stage 5.
5/7/2016 05:35	5/7/2016 06:00	0.413	WIRELINE	RUN UP	WL_RUN UP	POOH with WL at report time.

Report #: 14 Daily Operation: 5/7/2016 06:00 - 5/8/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037568
Days From Spud (days) 91	Days on Location (days) 14	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, Pump Down	

Operations Summary
FRAC STGS- 5,6
PERF STGS- 6,7

Remarks
No incidents or accidents to report.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/7/2016 06:00	5/7/2016 06:13	0.23	WIRELINE	RUN UP	WL_RUN UP	POOH with WL.
5/7/2016 06:13	5/7/2016 07:11	0.96	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on frac ops to be completed on the 27H.
5/7/2016 07:11	5/7/2016 07:22	0.18	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube.
5/7/2016 07:22	5/7/2016 11:22	4	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on frac ops to be completed on the 29H.
5/7/2016 11:22	5/7/2016 12:07	0.75	SETUP	RIG UP OR RIG DOWN	RURD	SWAP IRON/PSI TEST
5/7/2016 12:07	5/7/2016 14:25	2.3	FRAC	FRAC / STIM	STIM	FRAC STAGE 5
5/7/2016 14:25	5/7/2016 14:56	0.52	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	R/U Lube
5/7/2016 14:56	5/7/2016 15:38	0.7	WIRELINE	RUN DOWN	WL_RUN DN	RIH with WL.
5/7/2016 15:38	5/7/2016 15:44	0.1	WIRELINE	PLUG/PERF	WL_PERF	PERF STAGE 6
5/7/2016 15:44	5/7/2016 16:26	0.7	WIRELINE	RUN UP	WL_RUN UP	POOH

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/7/2016 16:26	5/7/2016 16:41	0.25	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube.
5/7/2016 16:41	5/7/2016 20:41	4	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON 27H/29H OPS
5/7/2016 20:41	5/7/2016 20:56	0.25	SETUP	FRAC STACK	FRAC_S TAC	Grease frac stacks
5/7/2016 20:56	5/7/2016 23:38	2.7	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON 27H/29H OPS
5/7/2016 23:38	5/7/2016 23:48	0.17	FRAC	SWING IRON	IRON	SWING IRON
5/7/2016 23:48	5/7/2016 23:53	0.08	TEST	PRIME	TEST_P RIME	PRIME UP
5/7/2016 23:53	5/7/2016 23:58	0.08	TEST	SURFACE LINES/PUMP	TEST_LI NE	TEST LINES
5/7/2016 23:58	5/8/2016 02:10	2.2	FRAC	FRAC / STIM	STIM	FRAC STAGE 6
5/8/2016 02:10	5/8/2016 02:39	0.48	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	R/U Lube
5/8/2016 02:39	5/8/2016 03:30	0.85	WIRELINE	RUN DOWN	WL_RUN DN	RIH with WL.
5/8/2016 03:30	5/8/2016 03:34	0.08	WIRELINE	PLUG/PERF	WL_PER F	Set Plug @ 18,555'
5/8/2016 03:34	5/8/2016 04:25	0.85	WIRELINE	RUN UP	WL_RUN UP	WL POOH
5/8/2016 04:25	5/8/2016 05:13	0.8	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON 27H/29H OPS
5/8/2016 05:13	5/8/2016 05:39	0.42	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD LUBE
5/8/2016 05:39	5/8/2016 06:00	0.35	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON 27H/29H OPS

Report #: 15 Daily Operation: 5/8/2016 06:00 - 5/9/2016 06:00

Job Category	Primary Job Type	AFE Number
ORIG COMPLETION	OCM	037568
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)
92	15	0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
		PIONEER PUMPING SERVICES, Pump Down

Operations Summary

FRAC STGS- 7,8
PERF STGS- 8,9

NPT - PPS2 - 2.00 HRS - BLENDER DECK ENGINE

Remarks

No incidents or accidents to report.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/8/2016 06:00	5/8/2016 09:00	3	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON 27H/29H OPS
5/8/2016 09:00	5/8/2016 10:15	1.25	SETUP	RIG UP OR RIG DOWN	RURD	SWAP IRON/PSI TEST
5/8/2016 10:15	5/8/2016 14:21	4.1	FRAC	FRAC / STIM	STIM	FRAC STAGE 7
5/8/2016 14:21	5/8/2016 14:39	0.3	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	R/U Lube
5/8/2016 14:39	5/8/2016 15:24	0.75	WIRELINE	RUN DOWN	WL_RUN DN	RIH with WL.
5/8/2016 15:24	5/8/2016 15:30	0.1	WIRELINE	PLUG/PERF	WL_PER F	PERF STAGE 8
5/8/2016 15:30	5/8/2016 16:45	1.25	WIRELINE	RUN UP	WL_RUN UP	WL POOH
5/8/2016 16:45	5/8/2016 17:15	0.5	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD LUBE
5/8/2016 17:15	5/8/2016 20:51	3.6	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON 27H/29H OPS
5/8/2016 20:51	5/8/2016 20:55	0.08	FRAC	SWING IRON	IRON	SWING IRON
5/8/2016 20:55	5/8/2016 21:00	0.08	TEST	PRIME	TEST_P RIME	PRIME

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/8/2016 21:00	5/8/2016 21:10	0.17	TEST	SURFACE LINES/PUMP	TEST_LI NE	TEST SURFACE LINES
5/8/2016 21:10	5/8/2016 23:21	2.17	FRAC	FRAC / STIM	STIM	FRAC STAGE 8
5/8/2016 23:21	5/8/2016 23:31	0.17	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RIG UP LUBRICATOR
5/8/2016 23:31	5/9/2016 00:31	1	WIRELINE	RUN DOWN	WL_RUN DN	RUN DOWN
5/9/2016 00:31	5/9/2016 00:36	0.08	WIRELINE	PLUG/PERF	WL_PER F	SET PLUG @
5/9/2016 00:36	5/9/2016 01:48	1.2	WIRELINE	RUN UP	WL_RUN UP	WL POOH
5/9/2016 01:48	5/9/2016 06:00	4.2	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON 27H/29H OPS

Report #: 16 Daily Operation: 5/9/2016 06:00 - 5/10/2016 06:00

Job Category	Primary Job Type	AFE Number
ORIG COMPLETION	OCM	037568

Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
93	16	0.0			PIONEER PUMPING SERVICES, Pump Down

Operations Summary

FRAC STGS- 9,10,11
PERF STGS- 10,11,12

Remarks

No incidents or accidents to report.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/9/2016 06:00	5/9/2016 06:30	0.5	SETUP	RIG UP OR RIG DOWN	RURD	SWAP IRON/PSI TEST
5/9/2016 06:30	5/9/2016 08:42	2.2	FRAC	FRAC / STIM	STIM	FRAC STAGE 9
5/9/2016 08:42	5/9/2016 09:00	0.3	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	R/U Lube
5/9/2016 09:00	5/9/2016 09:45	0.75	WIRELINE	RUN DOWN	WL_RUN DN	RIH with WL.
5/9/2016 09:45	5/9/2016 09:51	0.1	WIRELINE	PLUG/PERF	WL_PER F	PERF STAGE 10
5/9/2016 09:51	5/9/2016 11:06	1.25	WIRELINE	RUN UP	WL_RUN UP	WL POOH
5/9/2016 11:06	5/9/2016 11:36	0.5	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	RD LUBE
5/9/2016 11:36	5/9/2016 14:46	3.17	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON 27H/29H OPS
5/9/2016 14:46	5/9/2016 15:07	0.35	FRAC	SWING IRON	IRON	SWAP IRON
5/9/2016 15:07	5/9/2016 15:25	0.3	TEST	PRIME	TEST_P RIME	Prime pumps
5/9/2016 15:25	5/9/2016 15:31	0.1	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test lines
5/9/2016 15:31	5/9/2016 17:42	2.18	FRAC	FRAC / STIM	STIM	Frac stage 10 of 43 as design
5/9/2016 17:42	5/9/2016 18:06	0.4	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU lube
5/9/2016 18:06	5/9/2016 18:55	0.82	WIRELINE	RUN DOWN	WL_RUN DN	RIH
5/9/2016 18:55	5/9/2016 19:01	0.1	WIRELINE	PLUG/PERF	WL_PER F	Perf stage 11 of 43 as design
5/9/2016 19:01	5/9/2016 19:48	0.78	WIRELINE	RUN UP	WL_RUN UP	POOH
5/9/2016 19:48	5/10/2016 00:00	4.2	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on frac ops
5/10/2016 00:00	5/10/2016 00:04	0.08	FRAC	SWING IRON	IRON	SWING IRON
5/10/2016 00:04	5/10/2016 00:15	0.17	TEST	PRIME	TEST_P RIME	PRIME
5/10/2016 00:15	5/10/2016 00:25	0.17	TEST	SURFACE LINES/PUMP	TEST_LI NE	TEST LINES

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/10/2016 00:25	5/10/2016 02:34	2.15	FRAC	FRAC / STIM	STIM	FRAC STAGE 11
5/10/2016 02:34	5/10/2016 02:58	0.4	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RIG UP LUBRICATOR
5/10/2016 02:58	5/10/2016 03:58	1	WIRELINE	RUN DOWN	WL_RUN DN	RUN DOWN
5/10/2016 03:58	5/10/2016 04:03	0.08	WIRELINE	PLUG/PERF	WL_PERF	SET PLUG @ 17,360'
5/10/2016 04:03	5/10/2016 05:03	1	WIRELINE	RUN UP	WL_RUN UP	RUN UP
5/10/2016 05:03	5/10/2016 05:13	0.17	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RIG DOWN LUBRICATOR
5/10/2016 05:13	5/10/2016 06:00	0.78	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON 27H/29H OPS

Report #: 17 Daily Operation: 5/10/2016 06:00 - 5/11/2016 06:00

Job Category ORIG COMPLETION	Primary Job Type OCM	AFE Number 037568
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Days From Spud (days) 94	Days on Location (days) 17	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, Pump Down
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Operations Summary

FRAC STGS- 12,13
PERF STGS- 13,14

Remarks

No incidents or accidents to report.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/10/2016 06:00	5/10/2016 06:15	0.25	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON FRAC OPS ON THE 27H.
5/10/2016 06:15	5/10/2016 06:30	0.25	SETUP	FRAC STACK	FRAC_S TAC	Grease frac stack.
5/10/2016 06:30	5/10/2016 09:36	3.1	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON FRAC OPS ON THE 29H.
5/10/2016 09:36	5/10/2016 10:24	0.8	SETUP	RIG UP OR RIG DOWN	RURD	SWAP IRON/PSI TEST
5/10/2016 10:24	5/10/2016 12:36	2.2	FRAC	FRAC / STIM	STIM	FRAC STAGE 12
5/10/2016 12:36	5/10/2016 13:00	0.4	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RIG UP LUBRICATOR
5/10/2016 13:00	5/10/2016 13:42	0.7	WIRELINE	RUN DOWN	WL_RUN DN	RUN DOWN
5/10/2016 13:42	5/10/2016 13:48	0.1	WIRELINE	PLUG/PERF	WL_PERF	PERF STAGE 13
5/10/2016 13:48	5/10/2016 14:48	1	WIRELINE	RUN UP	WL_RUN UP	RUN UP
5/10/2016 14:48	5/10/2016 15:03	0.25	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RIG DOWN LUBRICATOR
5/10/2016 15:03	5/10/2016 17:03	2	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON 27H/29H OPS
5/10/2016 17:03	5/10/2016 19:39	2.6	FRAC	SWING IRON	IRON	Swap iron
5/10/2016 19:39	5/10/2016 19:51	0.2	TEST	PRIME	TEST_P RIME	Prime pumps
5/10/2016 19:51	5/10/2016 19:57	0.1	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test lines
5/10/2016 19:57	5/10/2016 22:04	2.12	FRAC	FRAC / STIM	STIM	Frac stage 13 of 43 as design
5/10/2016 22:04	5/10/2016 22:30	0.43	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU lube
5/10/2016 22:30	5/10/2016 23:25	0.92	WIRELINE	RUN DOWN	WL_RUN DN	RIH
5/10/2016 23:25	5/10/2016 23:31	0.1	WIRELINE	PLUG/PERF	WL_PERF	Perf stage 14 of 43 as design

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/10/2016 23:31	5/11/2016 00:24	0.89	WIRELINE	RUN UP	WL_RUN UP	POOH
5/11/2016 00:24	5/11/2016 04:02	3.63	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on frac ops
5/11/2016 04:02	5/11/2016 04:14	0.2	FRAC	SWING IRON	IRON	Swap iron
5/11/2016 04:14	5/11/2016 04:23	0.15	TEST	PRIME	TEST_P RIME	Prime pumps
5/11/2016 04:23	5/11/2016 04:31	0.13	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test lines
5/11/2016 04:31	5/11/2016 05:16	0.75	SETUP	FRAC STACK	FRAC_S TAC	Grease frac stack
5/11/2016 05:16	5/11/2016 06:00	0.73	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	Waiting on the 27H & 29H to finish greasing frac stacks.

Report #: 18 Daily Operation: 5/11/2016 06:00 - 5/12/2016 06:00

Job Category ORIG COMPLETION	Primary Job Type OCM	AFE Number 037568
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Days From Spud (days) 95	Days on Location (days) 18	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, Pump Down
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Operations Summary

FRAC STGS- 14,15,16
PERF STGS- 15,16

Remarks

No incidents or accidents to report.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/11/2016 06:00	5/11/2016 06:21	0.35	SETUP	FRAC STACK	FRAC_S TAC	Grease Valves
5/11/2016 06:21	5/11/2016 08:37	2.27	FRAC	FRAC / STIM	STIM	Frac stage 14 of 43 as designed
5/11/2016 08:37	5/11/2016 08:57	0.33	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU Lube
5/11/2016 08:57	5/11/2016 09:34	0.63	WIRELINE	RUN DOWN	WL_RUN DN	RIH
5/11/2016 09:34	5/11/2016 09:45	0.17	WIRELINE	PLUG/PERF	WL_PER F	Set Plug @ 16,643 for stage 15 first gun fired next gun did not
5/11/2016 09:45	5/11/2016 10:19	0.58	WIRELINE	RUN UP	WL_RUN UP	POOH to repair switchs on guns
5/11/2016 10:19	5/11/2016 11:33	1.23	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on the 27H
5/11/2016 11:33	5/11/2016 11:39	0.1	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	RD lube
5/11/2016 11:39	5/11/2016 11:59	0.33	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU Lube after making up new guns after missfire
5/11/2016 11:59	5/11/2016 12:44	0.75	WIRELINE	RUN DOWN	WL_RUN DN	RIH
5/11/2016 12:44	5/11/2016 12:46	0.03	WIRELINE	PLUG/PERF	WL_PER F	Shoot remaing 5 guns
5/11/2016 12:46	5/11/2016 13:29	0.72	WIRELINE	RUN UP	WL_RUN UP	POOH
5/11/2016 13:29	5/11/2016 15:08	1.65	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on the 29H
5/11/2016 15:08	5/11/2016 15:19	0.18	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	RD lube
5/11/2016 15:19	5/11/2016 16:22	1.05	FRAC	ZIPPER MAINTENANCE	ZIP_MAI NT	Work on Pumps
5/11/2016 16:22	5/11/2016 16:40	0.3	TEST	PRIME	TEST_P RIME	PRIME/TEST
5/11/2016 16:40	5/11/2016 18:58	2.3	FRAC	FRAC / STIM	STIM	FRAC STAGE 15
5/11/2016 18:58	5/11/2016 22:10	3.2	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON 27H/29H OPS

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/11/2016 22:10	5/11/2016 22:21	0.19	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU Lube
5/11/2016 22:21	5/11/2016 22:55	0.56	WIRELINE	RUN DOWN	WL_RUN DN	RIH with WL
5/11/2016 22:55	5/11/2016 23:01	0.1	WIRELINE	PLUG/PERF	WL_PERF	Set CFP and perf stage 16 as designed
5/11/2016 23:01	5/11/2016 23:42	0.68	WIRELINE	RUN UP	WL_RUN UP	POOH with WL
5/11/2016 23:42	5/12/2016 01:00	1.3	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on frac ops to be completed on the 29H
5/12/2016 01:00	5/12/2016 01:10	0.18	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube
5/12/2016 01:10	5/12/2016 01:15	0.08	FRAC	SWING IRON	IRON	Swing iron
5/12/2016 01:15	5/12/2016 01:28	0.21	TEST	PRIME	TEST_P RIME	Prime pumps
5/12/2016 01:28	5/12/2016 01:30	0.03	TEST	SURFACE LINES/PUMP	TEST_LI NE	Pressure test
5/12/2016 01:30	5/12/2016 03:40	2.18	FRAC	FRAC / STIM	STIM	Frac stage 16 of 43 as designed
5/12/2016 03:40	5/12/2016 06:00	2.32	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on WL ops on the 29H and frac ops on the 27H

Report #: 19 Daily Operation: 5/12/2016 06:00 - 5/13/2016 06:00

Job Category	Primary Job Type	AFE Number
ORIG COMPLETION	OCM	037568
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)
96	19	0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
		PIONEER PUMPING SERVICES, Pump Down

Operations Summary

FRAC STGS- 17,18
PERF STGS- 17,18,19

WAIT ON 27H/29H OPS AT TIME OF REPORT

Remarks

No incidents or accidents to report.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/12/2016 06:00	5/12/2016 06:07	0.12	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU Lube
5/12/2016 06:07	5/12/2016 06:48	0.68	WIRELINE	RUN DOWN	WL_RUN DN	RIH
5/12/2016 06:48	5/12/2016 06:49	0.03	WIRELINE	PLUG/PERF	WL_PERF	Set Plug @16,165' & perf stage #17
5/12/2016 06:49	5/12/2016 07:30	0.67	WIRELINE	RUN UP	WL_RUN UP	POOH
5/12/2016 07:30	5/12/2016 08:19	0.82	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on the 27 & 29 well
5/12/2016 08:19	5/12/2016 08:30	0.18	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube
5/12/2016 08:30	5/12/2016 11:40	3.18	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 29H
5/12/2016 11:40	5/12/2016 11:55	0.25	FRAC	SWING IRON	IRON	Swing Iron
5/12/2016 11:55	5/12/2016 12:51	0.92	FRAC	ZIPPER MAINTENANCE	ZIP_MAINT	Servicing frac equipment
5/12/2016 12:51	5/12/2016 12:55	0.08	TEST	PRIME	TEST_P RIME	Prime-Up Pumps
5/12/2016 12:55	5/12/2016 13:02	0.11	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test lines
5/12/2016 13:02	5/12/2016 15:12	2.17	FRAC	FRAC / STIM	STIM	Frac stage #17
5/12/2016 15:12	5/12/2016 15:38	0.43	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU Lube

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/12/2016 15:38	5/12/2016 16:24	0.77	WIRELINE	RUN DOWN	WL_RUN DN	RIH
5/12/2016 16:24	5/12/2016 16:28	0.07	WIRELINE	PLUG/PERF	WL_PER F	Set Plug @15,926' & perf stage #18
5/12/2016 16:28	5/12/2016 18:10	1.7	WIRELINE	RUN UP	WL_RUN UP	POOH
5/12/2016 18:10	5/12/2016 18:22	0.2	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	RD LUBE
5/12/2016 18:22	5/12/2016 21:30	3.13	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Waiting on the #27H and #29H
5/12/2016 21:30	5/12/2016 21:40	0.17	TEST	PRIME	TEST_P RIME	Prime pumps
5/12/2016 21:40	5/12/2016 21:47	0.11	TEST	SURFACE LINES/PUMP	TEST_LI NE	Pressure test
5/12/2016 21:47	5/12/2016 23:54	2.12	FRAC	FRAC / STIM	STIM	Frac stage 18 of 43 as designed
5/12/2016 23:54	5/13/2016 00:06	0.2	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU Lube
5/13/2016 00:06	5/13/2016 00:46	0.66	WIRELINE	RUN DOWN	WL_RUN DN	RIH with WL
5/13/2016 00:46	5/13/2016 00:52	0.1	WIRELINE	PLUG/PERF	WL_PER F	Set CFP and perf stage 19 as designed
5/13/2016 00:52	5/13/2016 01:33	0.68	WIRELINE	RUN UP	WL_RUN UP	POOH with WL
5/13/2016 01:33	5/13/2016 02:28	0.92	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on frac ops to be completed on the 27H
5/13/2016 02:28	5/13/2016 02:42	0.23	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	RD Lube
5/13/2016 02:42	5/13/2016 05:45	3.05	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on frac ops to be completed on the 29H
5/13/2016 05:45	5/13/2016 06:00	0.25	FRAC	SWING IRON	IRON	SWAP IRON

Report #: 20 Daily Operation: 5/13/2016 06:00 - 5/14/2016 06:00

Job Category	Primary Job Type	AFE Number
ORIG COMPLETION	OCM	037568
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)
97	20	0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
		PIONEER PUMPING SERVICES, Pump Down

Operations Summary

FRAC STGS- 19,20,21
PERF STGS- 20,21,22

Remarks

No incidents or accidents to report.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/13/2016 06:00	5/13/2016 06:04	0.08	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Non Ops. waiting on #27H and #29H
5/13/2016 06:04	5/13/2016 06:15	0.17	FRAC	SWING IRON	IRON	Swing Iron
5/13/2016 06:15	5/13/2016 06:19	0.08	TEST	PRIME	TEST_P RIME	Prime Pumps
5/13/2016 06:19	5/13/2016 06:27	0.12	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test Lines
5/13/2016 06:27	5/13/2016 08:36	2.15	FRAC	FRAC / STIM	STIM	Frac, Stage #19
5/13/2016 08:36	5/13/2016 09:16	0.68	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU Lube
5/13/2016 09:16	5/13/2016 10:16	1	WIRELINE	RUN DOWN	WL_RUN DN	RIH
5/13/2016 10:16	5/13/2016 10:21	0.08	WIRELINE	PLUG/PERF	WL_PER F	Plug/Perf stage #20 Plug set@ 15,448'
5/13/2016 10:21	5/13/2016 11:04	0.72	WIRELINE	RUN UP	WL_RUN UP	POOH to 200 ft.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/13/2016 11:04	5/13/2016 12:23	1.31	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	NON OPS waiting on #27H and #29H
5/13/2016 12:23	5/13/2016 12:39	0.27	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube
5/13/2016 12:39	5/13/2016 15:21	2.7	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	NON OPS waiting on #27H and #29H
5/13/2016 15:21	5/13/2016 16:03	0.7	FRAC	SWING IRON	IRON	Swing Iron
5/13/2016 16:03	5/13/2016 16:18	0.25	TEST	PRIME	TEST_P RIME	Prime Pumps
5/13/2016 16:18	5/13/2016 18:33	2.25	FRAC	FRAC / STIM	STIM	FRAC STAGE 20
5/13/2016 18:33	5/13/2016 19:03	0.5	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU Lube
5/13/2016 19:03	5/13/2016 19:42	0.65	WIRELINE	RUN DOWN	WL_RUN DN	RIH
5/13/2016 19:42	5/13/2016 19:48	0.1	WIRELINE	PLUG/PERF	WL_PER F	PERF STAGE 21
5/13/2016 19:48	5/13/2016 20:33	0.75	WIRELINE	RUN UP	WL_RUN UP	POOH
5/13/2016 20:33	5/13/2016 20:48	0.25	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube
5/13/2016 20:48	5/14/2016 00:55	4.12	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	NON OPS waiting on #27H and #29H
5/14/2016 00:55	5/14/2016 01:10	0.24	TEST	PRIME	TEST_P RIME	Prime pumps
5/14/2016 01:10	5/14/2016 01:18	0.14	TEST	SURFACE LINES/PUMP	TEST_LI NE	Pressure test
5/14/2016 01:18	5/14/2016 03:24	2.1	FRAC	FRAC / STIM	STIM	Frac stage 21 of 43 as designed
5/14/2016 03:24	5/14/2016 03:46	0.36	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU Lube
5/14/2016 03:46	5/14/2016 04:25	0.65	WIRELINE	RUN DOWN	WL_RUN DN	RIH with WL
5/14/2016 04:25	5/14/2016 04:31	0.1	WIRELINE	PLUG/PERF	WL_PER F	Set CFP and perf stage 22 as designed.
5/14/2016 04:31	5/14/2016 05:03	0.53	WIRELINE	RUN UP	WL_RUN UP	POOH with WL
5/14/2016 05:03	5/14/2016 05:15	0.21	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube
5/14/2016 05:15	5/14/2016 06:00	0.74	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on frac ops on the 27H and 29H

Report #: 21 Daily Operation: 5/14/2016 06:00 - 5/15/2016 06:00

Job Category	Primary Job Type	AFE Number
ORIG COMPLETION	OCM	037568
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)
98	21	0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
		PIONEER PUMPING SERVICES, Pump Down

Operations Summary

FRAC STGS- 22,23
PERF STGS- 23,24

Remarks

No incidents or accidents to report.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/14/2016 06:00	5/14/2016 10:51	4.86	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	NON OPS waiting on #27H and #29H
5/14/2016 10:51	5/14/2016 11:45	0.89	FRAC	SWING IRON	IRON	Swing Iron
5/14/2016 11:45	5/14/2016 11:55	0.18	TEST	PRIME	TEST_P RIME	Prime Pumps
5/14/2016 11:55	5/14/2016 12:05	0.16	TEST	WELLHEAD	TEST_W H	Test Lines

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/14/2016 12:05	5/14/2016 14:29	2.4	FRAC	FRAC / STIM	STIM	FRAC STAGE 22
5/14/2016 14:29	5/14/2016 14:49	0.33	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU Lube
5/14/2016 14:49	5/14/2016 15:31	0.71	WIRELINE	RUN DOWN	WL_RUN DN	RIH
5/14/2016 15:31	5/14/2016 15:35	0.06	WIRELINE	PLUG/PERF	WL_PERF	PERF STAGE 23
5/14/2016 15:35	5/14/2016 16:21	0.76	WIRELINE	RUN UP	WL_RUN UP	POOH
5/14/2016 16:21	5/14/2016 16:32	0.19	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube
5/14/2016 16:32	5/14/2016 20:15	3.72	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on frac ops on 27H,29H.
5/14/2016 20:15	5/14/2016 20:28	0.21	TEST	PRIME	TEST_P RIME	Prime pumps
5/14/2016 20:28	5/14/2016 20:32	0.07	TEST	SURFACE LINES/PUMP	TEST_LI NE	Pressure test
5/14/2016 20:32	5/14/2016 22:40	2.13	FRAC	FRAC / STIM	STIM	Frac stage 23 of 43 as designed
5/14/2016 22:40	5/14/2016 22:56	0.27	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU Lube
5/14/2016 22:56	5/14/2016 23:24	0.47	WIRELINE	RUN DOWN	WL_RUN DN	RIH with WL
5/14/2016 23:24	5/14/2016 23:30	0.1	WIRELINE	PLUG/PERF	WL_PERF	Set CFP and perf stage 24 as designed
5/14/2016 23:30	5/15/2016 00:01	0.52	WIRELINE	RUN UP	WL_RUN UP	POOH with WL
5/15/2016 00:01	5/15/2016 00:12	0.18	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube
5/15/2016 00:12	5/15/2016 04:12	4	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on frac ops to be completed on the 27H and 29H.
5/15/2016 04:12	5/15/2016 04:57	0.75	FRAC	ZIPPER MAINTENANCE	ZIP_MAI NT	Preventative maintenance.
5/15/2016 04:57	5/15/2016 05:25	0.46	SETUP	FRAC STACK	FRAC_S TAC	Grease stack
5/15/2016 05:25	5/15/2016 06:00	0.58	TEST	PRIME	TEST_P RIME	Prime/Test preparing to frac stage 24 at report time.

Report #: 22 Daily Operation: 5/15/2016 06:00 - 5/16/2016 06:00

Job Category	Primary Job Type				AFE Number
ORIG COMPLETION	OCM				037568
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
99	22	0.0			PIONEER PUMPING SERVICES, Pump Down

Operations Summary

FRAC STGS- 24,25,26
PERF STGS- 25,26,27

Remarks

No incidents or accidents to report.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/15/2016 06:00	5/15/2016 06:30	0.5	FRAC	SWING IRON	IRON	Swing Iron
5/15/2016 06:30	5/15/2016 06:40	0.17	TEST	PRIME	TEST_P RIME	Prime Pumps
5/15/2016 06:40	5/15/2016 06:52	0.2	TEST	WELLHEAD	TEST_W H	Test Lines
5/15/2016 06:52	5/15/2016 09:04	2.2	FRAC	FRAC / STIM	STIM	FRAC STAGE 24 of 43 as design
5/15/2016 09:04	5/15/2016 09:15	0.18	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU Lube
5/15/2016 09:15	5/15/2016 10:11	0.94	WIRELINE	RUN DOWN	WL_RUN DN	RIH

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/15/2016 10:11	5/15/2016 10:14	0.05	WIRELINE	PLUG/PERF	WL_PERF	PERF STAGE 25
5/15/2016 10:14	5/15/2016 10:45	0.51	WIRELINE	RUN UP	WL_RUN UP	POOH
5/15/2016 10:45	5/15/2016 11:57	1.2	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on frac ops on 27H,29H.
5/15/2016 11:57	5/15/2016 12:09	0.2	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube
5/15/2016 12:09	5/15/2016 15:07	2.98	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on frac ops on 27H,29H.
5/15/2016 15:07	5/15/2016 15:45	0.63	FRAC	SWING IRON	IRON	Swing Iron
5/15/2016 15:45	5/15/2016 15:58	0.21	TEST	PRIME	TEST_P RIME	Prime Pumps
5/15/2016 15:58	5/15/2016 16:05	0.12	TEST	WELLHEAD	TEST_W H	Test Lines
5/15/2016 16:05	5/15/2016 18:23	2.3	FRAC	FRAC / STIM	STIM	FRAC STAGE 25
5/15/2016 18:23	5/15/2016 18:32	0.15	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU Lube
5/15/2016 18:32	5/15/2016 19:02	0.5	WIRELINE	RUN DOWN	WL_RUN DN	RIH
5/15/2016 19:02	5/15/2016 19:08	0.1	WIRELINE	PLUG/PERF	WL_PERF	PERF STAGE 26
5/15/2016 19:08	5/15/2016 21:26	2.3	WIRELINE	RUN UP	WL_RUN UP	POOH
5/15/2016 21:26	5/15/2016 21:38	0.2	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube
5/15/2016 21:38	5/16/2016 00:38	3	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on frac ops on 27H,29H.
5/16/2016 00:38	5/16/2016 00:49	0.18	TEST	PRIME	TEST_P RIME	Prime pumps
5/16/2016 00:49	5/16/2016 00:55	0.1	TEST	SURFACE LINES/PUMP	TEST_LI NE	Pressure test
5/16/2016 00:55	5/16/2016 02:58	2.05	FRAC	FRAC / STIM	STIM	Frac stage 26 of 43 as designed
5/16/2016 02:58	5/16/2016 03:19	0.35	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU Lube
5/16/2016 03:19	5/16/2016 03:50	0.52	WIRELINE	RUN DOWN	WL_RUN DN	RIH with WL
5/16/2016 03:50	5/16/2016 03:56	0.1	WIRELINE	PLUG/PERF	WL_PERF	Set CFP and perf stage 27 as designed
5/16/2016 03:56	5/16/2016 04:30	0.56	WIRELINE	RUN UP	WL_RUN UP	POOH with WL
5/16/2016 04:30	5/16/2016 04:42	0.21	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube
5/16/2016 04:42	5/16/2016 06:00	1.3	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on frac ops to be completed on the 27H and 29H

Report #: 23 Daily Operation: 5/16/2016 06:00 - 5/17/2016 06:00

Job Category	Primary Job Type	AFE Number
ORIG COMPLETION	OCM	037568
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)
100	23	0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
		PIONEER PUMPING SERVICES, Pump Down

Operations Summary

FRAC STGS- 27, 28
PERF STGS- 28

RIH WL 29 AT TIME OF REPORT

NPT - PPS2 - 1.67 HOURS DUE TO REFILLING EQUIPMENT FLUIDS AND LEAK ON MANIFOLD DURING PSI TEST
NPT - PPS2 - 1.00 HOURS FOR PUMP MAINTENANCE
NPT - PPS2 - 3.15 HOURS FOR FRAC VAN FOR BLOWN FUSE

Remarks

No incidents or accidents to report.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/16/2016 06:00	5/16/2016 06:05	0.09	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube
5/16/2016 06:05	5/16/2016 09:04	2.98	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on frac ops on 27H,29H.
5/16/2016 09:04	5/16/2016 11:10	2.11	FRAC	SWING IRON	IRON	Swing Iron
5/16/2016 11:10	5/16/2016 11:20	0.16	TEST	PRIME	TEST_P_RIME	Prime Pumps
5/16/2016 11:20	5/16/2016 11:30	0.16	TEST	WELLHEAD	TEST_W_H	Test Lines
5/16/2016 11:30	5/16/2016 13:39	2.16	FRAC	FRAC / STIM	STIM	FRAC STAGE 27
5/16/2016 13:39	5/16/2016 13:48	0.14	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU Lube
5/16/2016 13:48	5/16/2016 14:30	0.7	WIRELINE	RUN DOWN	WL_RUN_DN	RIH
5/16/2016 14:30	5/16/2016 14:39	0.15	WIRELINE	PLUG/PERF	WL_PERF	PERF STAGE 28
5/16/2016 14:39	5/16/2016 15:09	0.5	WIRELINE	RUN UP	WL_RUN_UP	POOH with WL
5/16/2016 15:09	5/16/2016 16:30	1.36	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on frac ops to be completed on the 27H and 29H
5/16/2016 16:30	5/16/2016 16:45	0.25	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube
5/16/2016 16:45	5/16/2016 21:03	4.3	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on frac ops to be completed on the 27H and 29H
5/16/2016 21:03	5/16/2016 21:18	0.25	SETUP	RIG UP OR RIG DOWN	RURD	SWAP IRON
5/16/2016 21:18	5/16/2016 22:33	1.25	FRAC	ZIPPER MAINTENANCE	ZIP_MAINT	PUMP MAINTENANCE
5/16/2016 22:33	5/17/2016 04:45	6.2	FRAC	FRAC / STIM	STIM	FRAC STAGE 28
5/17/2016 04:45	5/17/2016 05:00	0.25	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU LUBE
5/17/2016 05:00	5/17/2016 05:30	0.5	WIRELINE	RUN DOWN	WL_RUN_DN	RIH
5/17/2016 05:30	5/17/2016 05:36	0.1	WIRELINE	PLUG/PERF	WL_PERF	PERF STAGE 29
5/17/2016 05:36	5/17/2016 06:00	0.39	WIRELINE	RUN UP	WL_RUN_UP	POOH

Report #: 24 Daily Operation: 5/17/2016 06:00 - 5/18/2016 06:00

Job Category	Primary Job Type	AFE Number
ORIG COMPLETION	OCM	037568
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)
101	24	0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
		PIONEER PUMPING SERVICES, Pump Down

Operations Summary

Frac Stage-29,30

Perf Stage-30,31

Fracing stage 31 of 43 at report time

Remarks

No incidents or accidents to report.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/17/2016 06:00	5/17/2016 06:06	0.1	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube
5/17/2016 06:06	5/17/2016 10:06	4	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WSI waiting on frac and wireline ops on the 27 and 29.
5/17/2016 10:06	5/17/2016 10:33	0.45	TEST	PRIME	TEST_P_RIME	Prime Up
5/17/2016 10:33	5/17/2016 11:39	1.1	TEST	SURFACE LINES/PUMP	TEST_LINE	Pressure Test.Swap out Pressure Transducer
5/17/2016 11:39	5/17/2016 13:45	2.1	FRAC	FRAC / STIM	STIM	Frac stage 29. PTD

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/17/2016 13:45	5/17/2016 14:06	0.35	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU Lube
5/17/2016 14:06	5/17/2016 14:45	0.65	WIRELINE	RUN DOWN	WL_RUN DN	RIH
5/17/2016 14:45	5/17/2016 14:51	0.1	WIRELINE	PLUG/PERF	WL_PER F	P&P Stage 30 as design. Plug set @ 13,058'.
5/17/2016 14:51	5/17/2016 15:30	0.65	WIRELINE	RUN UP	WL_RUN UP	POOH
5/17/2016 15:30	5/17/2016 15:51	0.35	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube
5/17/2016 15:51	5/17/2016 19:21	3.5	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WSI waiting on frac and wireline ops on the 27 and 29.
5/17/2016 19:21	5/17/2016 19:51	0.5	SETUP	RIG UP OR RIG DOWN	RURD	SWAP OUT PUMPS
5/17/2016 19:51	5/17/2016 20:15	0.4	TEST	SURFACE LINES/PUMP	TEST_LI NE	SWAP IRON/PSI TEST
5/17/2016 20:15	5/17/2016 22:27	2.2	FRAC	FRAC / STIM	STIM	FRAC STAGE 30
5/17/2016 22:27	5/17/2016 22:36	0.15	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU Lube
5/17/2016 22:36	5/17/2016 23:00	0.4	WIRELINE	RUN DOWN	WL_RUN DN	RIH
5/17/2016 23:00	5/17/2016 23:06	0.1	WIRELINE	PLUG/PERF	WL_PER F	PERF STAGE 31
5/17/2016 23:06	5/18/2016 00:48	1.7	WIRELINE	RUN UP	WL_RUN UP	POOH
5/18/2016 00:48	5/18/2016 01:09	0.35	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube
5/18/2016 01:09	5/18/2016 04:24	3.25	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON 27H/29H OPS
5/18/2016 04:24	5/18/2016 04:37	0.23	TEST	PRIME	TEST_P RIME	Prime pumps
5/18/2016 04:37	5/18/2016 04:45	0.12	TEST	SURFACE LINES/PUMP	TEST_LI NE	Pressure test
5/18/2016 04:45	5/18/2016 06:00	1.25	FRAC	FRAC / STIM	STIM	Fracing stage 31 of 43 at report time

Report #: 25 Daily Operation: 5/18/2016 06:00 - 5/19/2016 06:00

Job Category	Primary Job Type				AFE Number
ORIG COMPLETION	OCM				037568
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
102	25	0.0			PIONEER PUMPING SERVICES, Pump Down

Operations Summary

Frac Stages 31,32, 33
Perf Stages 32,33, 34

Remarks

No incidents or accidents to report.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/18/2016 06:00	5/18/2016 06:39	0.65	FRAC	FRAC / STIM	STIM	FRAC STAGE 31
5/18/2016 06:39	5/18/2016 07:00	0.35	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU Lube
5/18/2016 07:00	5/18/2016 07:42	0.7	WIRELINE	RUN DOWN	WL_RUN DN	RIH
5/18/2016 07:42	5/18/2016 07:48	0.1	WIRELINE	PLUG/PERF	WL_PER F	PERF STAGE 32 as Designed Plug Set @ 12,580'
5/18/2016 07:48	5/18/2016 08:24	0.6	WIRELINE	RUN UP	WL_RUN UP	POOH
5/18/2016 08:24	5/18/2016 08:39	0.25	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube
5/18/2016 08:39	5/18/2016 14:09	5.5	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON 27H/29H OPS

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/18/2016 14:09	5/18/2016 14:18	0.15	TEST	PRIME	TEST_P RIME	Prime Up
5/18/2016 14:18	5/18/2016 15:06	0.8	TEST	SURFACE LINES/PUMP	TEST_LI NE	Pressure Test / Replace Chicksan / Pressure Transducer
5/18/2016 15:06	5/18/2016 17:12	2.1	FRAC	FRAC / STIM	STIM	Frac Stage 32. PTD
5/18/2016 17:12	5/18/2016 17:30	0.31	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU Lube
5/18/2016 17:30	5/18/2016 18:06	0.6	WIRELINE	RUN DOWN	WL_RUN DN	RIH with WL
5/18/2016 18:06	5/18/2016 18:12	0.1	WIRELINE	PLUG/PERF	WL_PER F	PERF STAGE 33 as Designed Plug Set @ 12,341'
5/18/2016 18:12	5/18/2016 18:46	0.56	WIRELINE	RUN UP	WL_RUN UP	POOH with WL
5/18/2016 18:46	5/18/2016 19:00	0.24	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	RD Lube
5/18/2016 19:00	5/18/2016 22:36	3.6	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on frac ops on the 27H and 29H
5/18/2016 22:36	5/18/2016 23:00	0.4	TEST	SURFACE LINES/PUMP	TEST_LI NE	SWAP IRON/PSI TEST
5/18/2016 23:00	5/19/2016 01:06	2.1	FRAC	FRAC / STIM	STIM	FRAC STAGE 33
5/19/2016 01:06	5/19/2016 01:21	0.25	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU Lube
5/19/2016 01:21	5/19/2016 01:57	0.6	WIRELINE	RUN DOWN	WL_RUN DN	RIH with WL
5/19/2016 01:57	5/19/2016 02:03	0.1	WIRELINE	PLUG/PERF	WL_PER F	PERF STAGE 34
5/19/2016 02:03	5/19/2016 03:00	0.95	WIRELINE	RUN UP	WL_RUN UP	POOH with WL
5/19/2016 03:00	5/19/2016 03:15	0.25	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	RD Lube
5/19/2016 03:15	5/19/2016 06:00	2.74	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on frac ops on the 27H and 29H

Report #: 26 Daily Operation: 5/19/2016 06:00 - 5/20/2016 06:00

Job Category ORIG COMPLETION	Primary Job Type OCM	AFE Number 037568
Days From Spud (days) 103	Days on Location (days) 26	End Depth (ftKB) 0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, Pump Down

Operations Summary

Frac Stage 34,35
Perf Stage 35,36

Remarks

No incidents or accidents to report.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/19/2016 06:00	5/19/2016 08:24	2.4	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 27H , 29H
5/19/2016 08:24	5/19/2016 08:54	0.5	FRAC	ZIPPER MAINTENANCE	ZIP_MAI NT	Packing pumps.
5/19/2016 08:54	5/19/2016 09:06	0.2	TEST	PRIME	TEST_P RIME	Prime Pumps
5/19/2016 09:06	5/19/2016 09:15	0.15	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test Lines
5/19/2016 09:15	5/19/2016 13:24	4.15	FRAC	FRAC / STIM	STIM	Frac Stage 34. During pad had to SD due to FMC grease check valve.
5/19/2016 13:24	5/19/2016 13:42	0.3	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU Lube
5/19/2016 13:42	5/19/2016 14:18	0.6	WIRELINE	RUN DOWN	WL_RUN DN	RIH
5/19/2016 14:18	5/19/2016 14:24	0.1	WIRELINE	PLUG/PERF	WL_PER F	Perf stage 35 as Designed Set Plug @ 11,863

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/19/2016 14:24	5/19/2016 14:51	0.45	WIRELINE	RUN UP	WL_RUN UP	POOH
5/19/2016 14:51	5/19/2016 15:09	0.3	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube
5/19/2016 15:09	5/19/2016 19:00	3.85	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 27H, 29H
5/19/2016 19:00	5/19/2016 19:15	0.25	FRAC	SWING IRON	IRON	Swinging Iron
5/19/2016 19:15	5/19/2016 19:20	0.09	TEST	PRIME	TEST_P RIME	Prime
5/19/2016 19:20	5/19/2016 19:25	0.08	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test Lines
5/19/2016 19:25	5/19/2016 21:30	2.08	FRAC	FRAC / STIM	STIM	Stage 35 - Pumped as design.
5/19/2016 21:30	5/19/2016 21:45	0.25	FRAC	SWING IRON	IRON	Swinging Iron
5/19/2016 21:45	5/19/2016 21:54	0.15	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU Lube
5/19/2016 21:54	5/19/2016 22:22	0.47	WIRELINE	RUN DOWN	WL_RUN DN	RIH
5/19/2016 22:22	5/19/2016 22:24	0.03	WIRELINE	PLUG/PERF	WL_PER F	Set Plug @ 11,624
5/19/2016 22:24	5/19/2016 22:50	0.44	WIRELINE	RUN UP	WL_RUN UP	POOH
5/19/2016 22:50	5/19/2016 22:55	0.08	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube
5/19/2016 22:55	5/20/2016 06:00	7.08	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Waiting on the 27H & 29H

Report #: 27 Daily Operation: 5/20/2016 06:00 - 5/21/2016 06:00

Job Category ORIG COMPLETION	Primary Job Type OCM	AFE Number 037568
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Days From Spud (days) 104	Days on Location (days) 27	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, Pump Down
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Operations Summary
Frac Stages 36,37
Perf stages 37,38

Remarks
No incidents or accidents to report.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/20/2016 06:00	5/20/2016 08:24	2.4	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 27H , 29H
5/20/2016 08:24	5/20/2016 08:42	0.3	TEST	PRIME	TEST_P RIME	Prime Pumps
5/20/2016 08:42	5/20/2016 09:09	0.45	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test Lines/ Replace Chicksan on riser
5/20/2016 09:09	5/20/2016 11:15	2.1	FRAC	FRAC / STIM	STIM	Frac Stage 36 as designed
5/20/2016 11:15	5/20/2016 11:33	0.3	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU Lube
5/20/2016 11:33	5/20/2016 12:06	0.55	WIRELINE	RUN DOWN	WL_RUN DN	RIH
5/20/2016 12:06	5/20/2016 12:12	0.1	WIRELINE	PLUG/PERF	WL_PER F	Perf stage 37 as Designed Set Plug @ 11,385'
5/20/2016 12:12	5/20/2016 12:39	0.45	WIRELINE	RUN UP	WL_RUN UP	POOH
5/20/2016 12:39	5/20/2016 12:57	0.3	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube
5/20/2016 12:57	5/20/2016 17:36	4.65	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 27H, 29H
5/20/2016 17:36	5/20/2016 17:46	0.17	FRAC	SWING IRON	IRON	Swing Iron

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/20/2016 17:46	5/20/2016 17:55	0.15	TEST	PRIME	TEST_P RIME	Pime pumps
5/20/2016 17:55	5/20/2016 18:05	0.17	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test Lines
5/20/2016 18:05	5/20/2016 20:08	2.05	FRAC	FRAC / STIM	STIM	Frac Stage 37 of 43 as designed
5/20/2016 20:08	5/20/2016 20:35	0.45	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU Lube
5/20/2016 20:35	5/20/2016 21:02	0.45	WIRELINE	RUN DOWN	WL_RUN DN	RIH
5/20/2016 21:02	5/20/2016 21:04	0.03	WIRELINE	PLUG/PERF	WL_PER F	Set Plug @ 11,146' & Perf stage 38
5/20/2016 21:04	5/20/2016 21:32	0.47	WIRELINE	RUN UP	WL_RUN UP	POOH
5/20/2016 21:32	5/20/2016 21:42	0.17	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	RD Lube
5/20/2016 21:42	5/21/2016 06:00	8.3	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on the 27 & 29H Ops./ Having to weld on missile again

Report #: 28 Daily Operation: 5/21/2016 06:00 - 5/22/2016 06:00

Job Category ORIG COMPLETION	Primary Job Type OCM	AFE Number 037568
Days From Spud (days) 105	Days on Location (days) 28	End Depth (ftKB) 0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, Pump Down

Operations Summary

Frac Stage 38,39,40
Perf stages 39,40,41

Remarks

No incidents or accidents to report.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/21/2016 06:00	5/21/2016 08:00	2	FRAC	FRAC / STIM	STIM	Frac Stage 38 of 43 as designed
5/21/2016 08:00	5/21/2016 08:21	0.35	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU Lube
5/21/2016 08:21	5/21/2016 08:51	0.5	WIRELINE	RUN DOWN	WL_RUN DN	RIH
5/21/2016 08:51	5/21/2016 08:57	0.1	WIRELINE	PLUG/PERF	WL_PER F	Perf stage 39 as Designed Plug set@ 10.907'
5/21/2016 08:57	5/21/2016 09:27	0.5	WIRELINE	RUN UP	WL_RUN UP	POOH
5/21/2016 09:27	5/21/2016 09:45	0.3	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	RD Lube
5/21/2016 09:45	5/21/2016 15:00	5.25	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on the 27H & 29H Ops.
5/21/2016 15:00	5/21/2016 15:24	0.4	TEST	PRIME	TEST_P RIME	Prime Pumps
5/21/2016 15:24	5/21/2016 16:09	0.75	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test Lines. Swap out Leaking Chicksan on back of Pump.
5/21/2016 16:09	5/21/2016 18:19	2.18	FRAC	FRAC / STIM	STIM	Frac Stage 39 of 43 as designed
5/21/2016 18:19	5/21/2016 18:39	0.33	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU Lube
5/21/2016 18:39	5/21/2016 19:05	0.43	WIRELINE	RUN DOWN	WL_RUN DN	RIH
5/21/2016 19:05	5/21/2016 19:07	0.03	WIRELINE	PLUG/PERF	WL_PER F	Perf stage 40 as Designed Plug set@ 10.668'
5/21/2016 19:07	5/21/2016 19:32	0.42	WIRELINE	RUN UP	WL_RUN UP	POOH
5/21/2016 19:32	5/21/2016 22:02	2.5	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on the 27 & 29H Ops.
5/21/2016 22:02	5/21/2016 22:12	0.17	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	RD Lube

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/21/2016 22:12	5/22/2016 01:00	2.8	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on the 29H Ops.
5/22/2016 01:00	5/22/2016 01:10	0.17	FRAC	SWING IRON	IRON	Swinging Iron
5/22/2016 01:10	5/22/2016 01:15	0.08	TEST	PRIME	TEST_P RIME	Prime
5/22/2016 01:15	5/22/2016 01:25	0.17	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test Lines
5/22/2016 01:25	5/22/2016 03:35	2.16	FRAC	FRAC / STIM	STIM	Stage 40 -Pumed as design
5/22/2016 03:35	5/22/2016 03:45	0.17	FRAC	SWING IRON	IRON	Swinging Iron
5/22/2016 03:45	5/22/2016 03:54	0.15	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU Lube
5/22/2016 03:54	5/22/2016 04:23	0.48	WIRELINE	RUN DOWN	WL_RUN DN	RIH
5/22/2016 04:23	5/22/2016 04:25	0.03	WIRELINE	PLUG/PERF	WL_PER F	Set Plug @ 10,429
5/22/2016 04:25	5/22/2016 04:46	0.35	WIRELINE	RUN UP	WL_RUN UP	POOH
5/22/2016 04:46	5/22/2016 06:00	1.23	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Waiting on the 27H

Report #: 29 Daily Operation: 5/22/2016 06:00 - 5/23/2016 06:00

Job Category	Primary Job Type	AFE Number
ORIG COMPLETION	OCM	037568
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)
106	29	0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
		PIONEER PUMPING SERVICES, Pump Down

Operations Summary

Frac Stages 41,42,43

Perf stages 42,43

All Stages complete Rig down Frac equipment

Remarks

No incidents or accidents to report.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/22/2016 06:00	5/22/2016 09:12	3.2	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on the 27H & 29H Ops.
5/22/2016 09:12	5/22/2016 09:24	0.2	TEST	PRIME	TEST_P RIME	Prime Pumps
5/22/2016 09:24	5/22/2016 09:31	0.12	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test Lines.
5/22/2016 09:31	5/22/2016 11:42	2.18	FRAC	FRAC / STIM	STIM	Frac Stage 41 of 43 as designed
5/22/2016 11:42	5/22/2016 12:01	0.33	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU Lube
5/22/2016 12:01	5/22/2016 12:27	0.43	WIRELINE	RUN DOWN	WL_RUN DN	RIH
5/22/2016 12:27	5/22/2016 12:29	0.03	WIRELINE	PLUG/PERF	WL_PER F	Perf stage 42 as Designed Plug set@ 10.190'
5/22/2016 12:29	5/22/2016 12:54	0.42	WIRELINE	RUN UP	WL_RUN UP	POOH
5/22/2016 12:54	5/22/2016 13:04	0.17	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	RD Lube
5/22/2016 13:04	5/22/2016 18:18	5.23	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on the 27 & 29H Ops.
5/22/2016 18:18	5/22/2016 18:28	0.17	FRAC	SWING IRON	IRON	Swing Iron
5/22/2016 18:28	5/22/2016 18:48	0.33	TEST	PRIME	TEST_P RIME	Prime Pumps
5/22/2016 18:48	5/22/2016 18:59	0.18	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test Lines.
5/22/2016 18:59	5/22/2016 21:05	2.1	FRAC	FRAC / STIM	STIM	Frac stage 42 of 43 as designed

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/22/2016 21:05	5/22/2016 21:23	0.3	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU Lube
5/22/2016 21:23	5/22/2016 21:47	0.4	WIRELINE	RUN DOWN	WL_RUN DN	RIH
5/22/2016 21:47	5/22/2016 21:49	0.03	WIRELINE	PLUG/PERF	WL_PERF	Set plug @ 9,951' Perf stage 43
5/22/2016 21:49	5/22/2016 22:12	0.38	WIRELINE	RUN UP	WL_RUN UP	POOH
5/22/2016 22:12	5/22/2016 22:16	0.08	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube
5/22/2016 22:16	5/22/2016 22:30	0.22	TEST	PRIME	TEST_P RIME	Prime Pumps
5/22/2016 22:30	5/22/2016 22:34	0.08	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test Lines.
5/22/2016 22:34	5/23/2016 00:45	2.17	FRAC	FRAC / STIM	STIM	Frac Stage 43 of 43 as designed/ Close in well Frac Complete
5/23/2016 00:45	5/23/2016 06:00	5.25	SETUP	RIG UP OR RIG DOWN	RURD	Rig Down Frac equipment

Report #: 30 Daily Operation: 5/23/2016 06:00 - 5/24/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037568
Days From Spud (days) 107	Days on Location (days) 30	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, 2	

Operations Summary

RDMO All Frac and Support Equipment / WSI waiting on drill out op.s

Remarks

No incidents or accidents to report.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/23/2016 06:00	5/23/2016 15:00	9	SETUP	RIG UP OR RIG DOWN	RURD	RDMO Frac Prep for drill out
5/23/2016 15:00	5/24/2016 06:00	15	NONOPS	WELL SHUT IN	SHUT_IN	WSI waiting on drill out op.s on 27H

Report #: 31 Daily Operation: 5/27/2016 12:15 - 5/28/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037568
Days From Spud (days) 111	Days on Location (days) 31	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig CONQUEST COMPLETIN SERVICES, 3	

Operations Summary

MIRU CTU and equipment, Drill out plugs 43 - 39 of 43. Washing down to plug #38 at report time.

Remarks

No incidents or accidents to report.

Frac. tanks # 322 - 684 - 327 - 854 - 795

Working tanks 535 - 295 - 481 - 405 - 878 gas buster

Sand box # R-010 in use,

Frac tk# 525 - has oil from 7-43 27H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/27/2016 12:15	5/27/2016 21:19	9.08 3	SETUP	RIG UP OR RIG DOWN	RURD	Spot & R.U Conquest coil & related equipment. NU CT BOP.
5/27/2016 21:19	5/27/2016 22:34	1.25	TEST	MISC EQUIPMENT	TEST_E QUIP	MU Baker drill out BHA. Torque all connections. Test motor 1 BPM @ 700 psi, 3.5 BPM @ 2,500 psi, 4 BPM @ 3,600 psi
5/27/2016 22:34	5/27/2016 22:55	0.35	SETUP	RIG UP OR RIG DOWN	RURD	RU lubricator and injector head to CT BOP.
5/27/2016 22:55	5/27/2016 23:10	0.25	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test CT and all surface equipment to 8,500 psi. Good test. Bled pressure to 1,000 psi.
5/27/2016 23:10	5/28/2016 01:49	2.65	COIL TUBING	RUN IN HOLE	CT_RIH	SIWHP - 550 psi. Opened upper then lower master valves (40 turns ea.) & RIH
5/28/2016 01:49	5/28/2016 02:00	0.18 3	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 43 @ 9937' CTM, set @ 9951', WLM. Drill plug in 11 minutes pumping 3.7 bpm / 4000 psi, returns 3.9 bpm / 700 psi. Pumped 5 BBL sweep, Choke size 31.
5/28/2016 02:00	5/28/2016 02:48	0.8	COIL TUBING	RUN IN HOLE	CT_RIH	Wash down to plug #42

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/28/2016 02:48	5/28/2016 03:03	0.25	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 42 @ 10168' CTM, set @ 10190', WLM. Drill plug in 15 minutes pumping 3.7 bpm / 4000 psi, returns 3.9 bpm / 500 psi. Pumped 5 BBL sweep, Choke size 34.
5/28/2016 03:03	5/28/2016 03:46	0.71 7	COIL TUBING	RUN IN HOLE	CT_RIH	Wash down to plug #41
5/28/2016 03:46	5/28/2016 03:57	0.18 3	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 41 @ 10414' CTM, set @ 10429', WLM. Drill plug in 11 minutes pumping 3.7 bpm / 3900 psi, returns 3.9 bpm / 500 psi. Pumped 10 BBL sweep, Choke size 34.
5/28/2016 03:57	5/28/2016 04:28	0.51 7	COIL TUBING	RUN IN HOLE	CT_RIH	Wash down to plug #40
5/28/2016 04:28	5/28/2016 04:39	0.18 3	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 40 @ 10645' CTM, set @ 10662', WLM. Drill plug in 11 minutes pumping 3.7 bpm / 3500 psi, returns 3.9 bpm / 450 psi. Pumped 5 BBL sweep, Choke size 34.
5/28/2016 04:39	5/28/2016 05:11	0.53 3	COIL TUBING	RUN IN HOLE	CT_RIH	Wash down to plug #39.
5/28/2016 05:11	5/28/2016 05:23	0.2	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 39 @ 10885' CTM, set @ 10907', WLM. Drill plug in 12 minutes pumping 3.7 bpm / 3500 psi, returns 3.9 bpm / 400 psi. Pumped 5 BBL sweep, Choke size 36.
5/28/2016 05:23	5/28/2016 06:00	0.61 7	COIL TUBING	RUN IN HOLE	CT_RIH	Wash down to plug #38.

Report #: 32 Daily Operation: 5/28/2016 06:00 - 5/29/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037568
Days From Spud (days) 112	Days on Location (days) 32	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig CONQUEST COMPLETIN SERVICES, 3	

Operations Summary

Drill out CFP #38 thru #20, short trip to 8950'

Remarks

No incidents or accidents to report.

Frac. tanks # 322 - 684 - 327 - 854 - 795

Working tanks 535 - 295 - 481 - 405 - 878 gas buster

Haul off to tervita sand box # R-010 ,

Frac tk# 535 - has 206bbl oil from 7-43 27H

Sand box in use R-027

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/28/2016 06:00	5/28/2016 06:10	0.16 7	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 38 @ 11127' CTM, set @ 11146', WLM. Drill plug in 10 minutes pumping 3.7 bpm / 3400 psi, returns 3.9 bpm / 400 psi. Pumped 10 BBL sweep, Choke size 38.
5/28/2016 06:10	5/28/2016 06:40	0.5	COIL TUBING	PULL OUT OF HOLE	CT_POOH	Rih to CFP #37
5/28/2016 06:40	5/28/2016 06:53	0.21 7	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 37 @ 11360' CTM, set @ 11385', WLM. Drill plug in 13 minutes pumping 3.7 bpm / 3400 psi, returns 3.9 bpm / 400 psi. Pumped 5 BBL sweep, Choke size 38.
5/28/2016 06:53	5/28/2016 07:20	0.45	COIL TUBING	RUN IN HOLE	CT_RIH	Rih to CFP #36
5/28/2016 07:20	5/28/2016 07:35	0.25	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 36 @ 11602' CTM, set @ 11624', WLM. Drill plug in 15 minutes pumping 3.7 bpm / 3400 psi, returns 3.9 bpm / 450 psi. Pumped 5 BBL sweep, Choke size 38.
5/28/2016 07:35	5/28/2016 08:05	0.5	COIL TUBING	RUN IN HOLE	CT_RIH	Rih to CFP #35
5/28/2016 08:05	5/28/2016 08:19	0.24 9	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 35 @ 11835' CTM, set @ 11863', WLM. Drill plug in 14 minutes pumping 3.7 bpm / 3400 psi, returns 3.9 bpm / 500 psi. Pumped 10 BBL sweep, Choke size 38. (Note had problems going down from CFP #35 to CPF #36 due to deviation at 11835' - 12000')
5/28/2016 08:19	5/28/2016 10:12	1.87	COIL TUBING	RUN IN HOLE	CT_RIH	RIH to CFP #34
5/28/2016 10:12	5/28/2016 10:28	0.28	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 34 @ 12076' CTM, set @ 12102', WLM. Drill plug in 16 minutes pumping 3.7 bpm / 3366 psi, returns 3.9 bpm / 500 psi. Pumped 5 BBL sweep, Choke size 38.
5/28/2016 10:28	5/28/2016 10:53	0.41 6	COIL TUBING	RUN IN HOLE	CT_RIH	Rih to CFP #33

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/28/2016 10:53	5/28/2016 11:06	0.21	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 33 @ 12316' CTM, set @ 12341', WLM. Drill plug in 14 minutes pumping 3.7 bpm / 3500 psi, returns 3.9 bpm / 500 psi. Pumped 5 BBL sweep, Choke size 38.
5/28/2016 11:06	5/28/2016 11:36	0.5	COIL TUBING	RUN IN HOLE	CT_RIH	Rih to CFP # 32
5/28/2016 11:36	5/28/2016 11:52	0.25 8	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 32 @ 12552' CTM, set @ 12580', WLM. Drill plug in 16 minutes pumping 3.7 bpm / 3500 psi, returns 39 bpm / 500 psi. Pumped 10 BBL sweep, Choke size 39.
5/28/2016 11:52	5/28/2016 12:23	0.52	COIL TUBING	RUN IN HOLE	CT_RIH	Rih to CFP #31
5/28/2016 12:23	5/28/2016 12:34	0.18 3	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 31 @ 12779' CTM, set @ 12819', WLM. Drill plug in 11 minutes pumping 3.7 bpm / 3500 psi, returns 3.9 bpm / 500 psi. Pumped 5 BBL sweep, Choke size 39.
5/28/2016 12:34	5/28/2016 13:07	0.55	COIL TUBING	RUN IN HOLE	CT_RIH	Rih to #30
5/28/2016 13:07	5/28/2016 13:19	0.2	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 30 @ 13023' CTM, set @ 13058', WLM. Drill plug in 12 minutes pumping 3.7 bpm / 3300 psi, returns 3.9 bpm / 500 psi. Pumped 5 BBL sweep, Choke size 40.
5/28/2016 13:19	5/28/2016 13:54	0.58 3	COIL TUBING	RUN IN HOLE	CT_RIH	Rih to CFP #29
5/28/2016 13:54	5/28/2016 14:07	0.21 7	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 29 @ 13259' CTM, set @ 13297', WLM. Drill plug in 13 minutes pumping 3.7 bpm / 3357 psi, returns 3.9 bpm / 500 psi. Pumped 10 BBL sweep, Choke size 40.
5/28/2016 14:07	5/28/2016 14:39	0.53 3	COIL TUBING	RUN IN HOLE	CT_RIH	RIH to CFP #28
5/28/2016 14:39	5/28/2016 14:54	0.25	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 28 @ 13505' CTM, set @ 13536', WLM. Drill plug in 15 minutes pumping 3.7 bpm / 3334 psi, returns 4 bpm / 400 psi. Pumped 5 BBL sweep, Choke size 40.
5/28/2016 14:54	5/28/2016 15:30	0.6	COIL TUBING	RUN IN HOLE	CT_RIH	Rih to CFP #27
5/28/2016 15:30	5/28/2016 17:10	1.68	COIL TUBING	CIRCULATE	CT_CIRC	pump 10-20-10 sweep and circulate bottoms up
5/28/2016 17:10	5/28/2016 17:21	0.16 7	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 27 @ 13738' CTM, set @ 13775', WLM. Drill plug in 10 minutes pumping 3.7 bpm / 3300 psi, returns 4 bpm / 450 psi. Pumped 5 BBL sweep, Choke size 40.
5/28/2016 17:21	5/28/2016 18:04	0.71 7	COIL TUBING	RUN IN HOLE	CT_RIH	Rih to CFP #26
5/28/2016 18:04	5/28/2016 18:14	0.16 7	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 26 @ 13985' CTM, set @ 14014', WLM. Drill plug in 10 minutes pumping 3.7 bpm / 3300 psi, returns 4 bpm / 475 psi. Pumped 10 BBL sweep, Choke size 40/64.
5/28/2016 18:14	5/28/2016 18:49	0.58 3	COIL TUBING	RUN IN HOLE	CT_RIH	Wash down to plug #25
5/28/2016 18:49	5/28/2016 19:00	0.18 3	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 25 @ 14217' CTM, set @ 14244', WLM. Drill plug in 11 minutes pumping 3.7 bpm / 3300 psi, returns 3.9 bpm / 500 psi. Pumped 5 BBL sweep, Choke size 40/64.
5/28/2016 19:00	5/28/2016 19:30	0.5	COIL TUBING	RUN IN HOLE	CT_RIH	Wash down to plug #24. Light sand.
5/28/2016 19:30	5/28/2016 19:41	0.19	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 24 @ 14456' CTM, set @ 14492', WLM. Drill plug in 11 minutes pumping 3.7 bpm / 3400 psi, returns 3.9 bpm / 500 psi. Pumped 5 BBL sweep, Choke size 40/64.
5/28/2016 19:41	5/28/2016 20:13	0.53 3	COIL TUBING	RUN IN HOLE	CT_RIH	Wash down to plug #23. Light sand.
5/28/2016 20:13	5/28/2016 20:25	0.2	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 23 @ 14711' CTM, set @ 14731', WLM. Drill plug in 12 minutes pumping 3.7 bpm / 3300 psi, returns 3.9 bpm / 500 psi. Pumped 10 BBL sweep, Choke size 41/64.
5/28/2016 20:25	5/28/2016 21:01	0.6	COIL TUBING	RUN IN HOLE	CT_RIH	Wash down to plug #22. Light sand.
5/28/2016 21:01	5/28/2016 21:11	0.16 7	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 22 @ 14939' CTM, set @ 14970', WLM. Drill plug in 10 minutes pumping 3.7 bpm / 3300 psi, returns 3.9 bpm / 500 psi. Pumped 5 BBL sweep, Choke size 41.
5/28/2016 21:11	5/28/2016 21:41	0.5	COIL TUBING	RUN IN HOLE	CT_RIH	Wash down to plug #21

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/28/2016 21:41	5/28/2016 21:55	0.23 3	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 21 @ 15171' CTM, set @ 15209', WLM. Drill plug in 14 minutes pumping 3.7 bpm / 3200 psi, returns 3.9 bpm / 500 psi. Pumped 5 BBL sweep, Choke size 41/64.
5/28/2016 21:55	5/28/2016 22:25	0.5	COIL TUBING	RUN IN HOLE	CT_RIH	Wash down to plug #20. Returning medium sand.
5/28/2016 22:25	5/28/2016 22:36	0.18 3	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 20 @ 15412' CTM, set @ 15448', WLM. Drill plug in 11 minutes pumping 3.7 bpm / 3400 psi, returns 3.9 bpm / 440 psi. Pumped 10/20/10 BBL sweep, Choke size 41.
5/28/2016 22:36	5/29/2016 06:00	7.4	COIL TUBING	SHORT TRIP	CT_TRIP	Short trip to 8850', at 12,100' pressure is at 450 psi, choke wide open to maintain 3.9 bpm return rate. No flare. Plug catcher was full of sand & small/medium plug parts after sweep arrived.

Report #: 33 Daily Operation: 5/29/2016 06:00 - 5/30/2016 06:00

Job Category ORIG COMPLETION	Primary Job Type OCM	AFE Number 037568
Days From Spud (days) 113	Days on Location (days) 33	End Depth (ftKB) 0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig CONQUEST COMPLETIN SERVICES, 3

Operations Summary

RIH with CTU after short trip, drill out CFP #19 thru #9. Washing to #8 at report time.

Remarks

No incidents or accidents to report.
Frac tanks # 322 - 684 - 327 - 854 - 795
Working tanks 535 - 295 - 481 - 405 - 878 gas buster
Haul off to tervita sand box # R-027,
Frac tk# 535 - has 206bbl oil from 7-43 27H
Frac tk# 295 - has 105bbl oil from 7-43 28H
Sand box in use R-010

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/29/2016 06:00	5/29/2016 06:15	0.25	NONOPS	NON ACTIVE DUE TO SAFETY EVENT	SAFETY	Held 15min safety meeting with all crews on location
5/29/2016 06:15	5/29/2016 10:30	4.25	COIL TUBING	RUN IN HOLE	CT_RIH	Rih with CTU at 10000' after short trip circulating =3400psi @3.7bpm Return =450psi @3.9bpm
5/29/2016 10:30	5/29/2016 10:42	0.21	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 19 @ 15671' CTM, set @ 15691', WLM. Drill plug in 12 minutes pumping 4 bpm / 3550 psi, returns 4.2 bpm / 490 psi. Pumped 5 BBL sweep, Choke size 46.
5/29/2016 10:42	5/29/2016 11:38	0.93 3	COIL TUBING	RUN IN HOLE	CT_RIH	Rih to CFP #18
5/29/2016 11:38	5/29/2016 11:49	0.18 3	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 18 @ 15906' CTM, set @ 15926', WLM. Drill plug in 11 minutes pumping 4 bpm / 3500 psi, returns 4.2 bpm / 480 psi. Pumped 5 BBL sweep, Choke size 45.
5/29/2016 11:49	5/29/2016 13:11	1.37	COIL TUBING	RUN IN HOLE	CT_RIH	Rih to CFP #17 (Fighting friction currently at 16057' pump 10bbl slug of 3/4 x10 slug)
5/29/2016 13:11	5/29/2016 13:28	0.28	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 17 @ 16138' CTM, set @ 16165', WLM. Drill plug in 16 minutes pumping 4 bpm / 3400 psi, returns 4.2 bpm / 450 psi. Pumped 10 BBL sweep, Choke size 45.
5/29/2016 13:28	5/29/2016 14:13	0.75	COIL TUBING	RUN IN HOLE	CT_RIH	Rih to CFP #16
5/29/2016 14:13	5/29/2016 14:25	0.2	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 16 @ 16377' CTM, set @ 16404', WLM. Drill plug in 12 minutes pumping 4 bpm / 3550 psi, returns 4 bpm / 450 psi. Pumped 5 BBL sweep, Choke size 48.
5/29/2016 14:25	5/29/2016 15:07	0.7	COIL TUBING	RUN IN HOLE	CT_RIH	Rih to CFP #15
5/29/2016 15:07	5/29/2016 15:22	0.25	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 15 @ 16616' CTM, set @ 16643', WLM. Drill plug in 15 minutes pumping 4 bpm / 3500 psi, returns 4.2 bpm / 450 psi. Pumped 5 BBL sweep, Choke size 48.
5/29/2016 15:22	5/29/2016 16:22	1	COIL TUBING	RUN IN HOLE	CT_RIH	Rih to CFP #14
5/29/2016 16:22	5/29/2016 16:38	0.25 8	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 14 @ 16853' CTM, set @ 16882', WLM. Drill plug in 16 minutes pumping 4 bpm / 3550 psi, returns 4.2 bpm / 450 psi. Pumped 10 BBL sweep, Choke size 48.
5/29/2016 16:38	5/29/2016 17:45	1.11 7	COIL TUBING	RUN IN HOLE	CT_RIH	Rih to CFP #13

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/29/2016 17:45	5/29/2016 17:56	0.18 3	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 13 @ 17090' CTM, set @ 17121', WLM. Drill plug in 11 minutes pumping 4 bpm / 3500 psi, returns 4.2 bpm / 450 psi. Pumped 5 BBL sweep, Choke size 48.
5/29/2016 17:56	5/29/2016 19:12	1.26 7	COIL TUBING	RUN IN HOLE	CT_RIH	Wash down to plug #12
5/29/2016 19:12	5/29/2016 19:23	0.18 3	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 12 @ 17330' CTM, set @ 17360', WLM. Drill plug in 11 minutes pumping 4 bpm / 3400 psi, returns 4 bpm / 420 psi. Pumped 5 BBL sweep, Choke size 48.
5/29/2016 19:23	5/29/2016 20:58	1.58 3	COIL TUBING	RUN IN HOLE	CT_RIH	Wash down to plug #11
5/29/2016 20:58	5/29/2016 21:13	0.26 5	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 11 @ 17562' CTM, set @ 17599', WLM. Drill plug in 16 minutes pumping 4 bpm / 3400 psi, returns 4.1 bpm / 420 psi. Pumped 10 BBL sweep, Choke size 48.
5/29/2016 21:13	5/29/2016 23:04	1.85	COIL TUBING	RUN IN HOLE	CT_RIH	Wash down to plug #10
5/29/2016 23:04	5/29/2016 23:20	0.26 7	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 10 @ 17795' CTM, set @ 17838', WLM. Drill plug in 16 minutes pumping 4 bpm / 3400 psi, returns 4 bpm / 410 psi. Choke Wide open.
5/29/2016 23:20	5/30/2016 01:13	1.88 3	COIL TUBING	CIRCULATE	CT_CIRC	Pumped 10/20/10 sweep, circulate bottoms up, make 100' weight check. Small plug parts & light sand from sweeps.
5/30/2016 01:13	5/30/2016 04:06	2.88 3	COIL TUBING	RUN IN HOLE	CT_RIH	Wash down to plug#9
5/30/2016 04:06	5/30/2016 04:18	0.2	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 9 @ 18039' CTM, set @ 18077', WLM. Drill plug in 12 minutes pumping 4 bpm / 3300 psi, returns 3.9 bpm / 390 psi. Pumped 5 BBL sweep, Choke size Wide open.
5/30/2016 04:18	5/30/2016 06:00	1.7	COIL TUBING	RUN IN HOLE	CT_RIH	Wash down to plug #8

Report #: 34 Daily Operation: 5/30/2016 06:00 - 5/31/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037568
Days From Spud (days) 114	Days on Location (days) 34	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig CONQUEST COMPLETIN SERVICES, 3	

Operations Summary

RIH to CFP #8 thru #7

Pumped 50bbl fresh thru the trempress tool in effort to flush clogged ports with no improvements.

Also pumped 2% pipe on pipe slug with no success. After 2 hours of working no increase of 3 fpm. Notified supervisor Bobby Maxie of situation and decided to pooh with BHA

Open PBL circulate 10-20-10 sweep. Unable to complete bottoms up due to Fluid pump kicking out of lockup on transmission and pump psi increasing. Shut down, check inline screens. Screens clear, start pump back up @ 1 BPM @ 5000 psi. Believe something in BHA has caused the increase of pressure. Unable to get sufficient rate to launch balls to close PBL. Start out of hole with CT. Pooh pumping 1.5 bpm @ 5300psi returns at 1.75 bpm @ 560 psi. POOH at 20 fpm. Pulled heavy @ 16,400', pump rate 3.0 bpm @ 5400 psi. Cannot move down. Decided to close PBL tool.

Drop 3 steel balls to close PBL tool followed by 10 bbl sweep. When pump came back on after dropping balls pressure was 2200 psi @ 3 bpm. Pumped tbq volume plus 20 bbl, didn't see tool close. Pumped second 10 bbl sweep with no indication that tool closed.

Brought rate up to 4 bpm @ 3000 psi, picked up and tbq was free, pulled up to 15,900', pulled heavy again. Stopped POOH, started pumping sweeps.

Pumped series of balls to open & close PBL tool, no indication of balls seating. Continue pumping sweeps.

Remarks

No incidents or accidents to report.

Frac. tanks # 322 - 684 - 327 - 854 - 795

Working tanks 535 - 295 - 481 - 405 - 878 gas buster

Haul off to tervita sand box # R-027,

Frac tk# 535 - has 206bbl oil from 7-43 27H

Frac tk# 295 - has 105bbl oil from 7-43 28H

Sand box in use R-010

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/30/2016 06:00	5/30/2016 07:35	1.59	COIL TUBING	RUN IN HOLE	CT_RIH	Rih to CFP #8
5/30/2016 07:35	5/30/2016 07:49	0.24 2	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 8 @ 18293' CTM, set @ 18316', WLM. Drill plug in 14 minutes pumping 4 bpm / 3400 psi, returns 4.2 bpm / 410 psi. Pumped 5 BBL sweep, Choke size 50.
5/30/2016 07:49	5/30/2016 11:41	3.86	COIL TUBING	RUN IN HOLE	CT_RIH	Rih to CFP #7
5/30/2016 11:41	5/30/2016 11:55	0.24	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 7 @ 18532' CTM, set @ 18555', WLM. Drill plug in 14 minutes pumping 4 bpm / 3400 psi, returns 4.2 bpm / 450 psi. Pumped 5 BBL sweep, Choke size 50.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/30/2016 11:55	5/30/2016 13:50	1.91 7	COIL TUBING	RUN IN HOLE	CT_RIH	Rih To CFP #6 Pumped 50bbl fresh thru the trempress tool in effort to flush clogged ports with no improvements. Also pumped 2% pipe on pipe slug with no success. After 2 hours of working no increase of 3fpm. Notified supervisor Bobby Maxie of situation and decided to pooh with BHA Depth: 18623'
5/30/2016 13:50	5/30/2016 16:10	2.33 3	COIL TUBING	CIRCULATE	CT_CIRC	Open PBL circulate 10-20-10 sweep and bottoms up, Unable to complete bottoms up due to Fluid pump kicking out of lockup on transmission and pump psi increasing. Shut down, check inline screens. Screens clear, start pump back up @ 1 BPM @ 5000 psi. Believe something in BHA has caused the increas of pressure. Unable to get sufficien rate to launch balls to close PBL. Start out of hole with CT.
5/30/2016 16:10	5/30/2016 18:20	2.16 7	COIL TUBING	PULL OUT OF HOLE	CT_POOH	Pooh pumping 1.5bpm @5300psi returns at 1.75bpm @ 560 psi. POOH at 20 fpm. Pulled heavy @ 16,400', pump rate 3.0 bpm @ 5400 psi. Coil pulled heavy at 16,400'. Cannot move down. Decided to close PBL tool.
5/30/2016 18:20	5/30/2016 19:45	1.41 7	COIL TUBING	CIRCULATE	CT_CIRC	Shut down pump, drop 3 steel balls to close PBL tool followed by 10 bbl sweep. When pump came back on after dropping balls pressure was 2200 psi @ 3 bpm. Pumped tbg volume plus 20 bbl, didn't see tool close. Pumped second 10 bbl sweep with no indication that tool closed.
5/30/2016 19:45	5/30/2016 20:05	0.33 3	COIL TUBING	PULL OUT OF HOLE	CT_POOH	Brought rate up to 4 bpm @ 3000 psi, picked up and tbg was free, pulled up to 15,900', pulled heavy again.
5/30/2016 20:05	5/31/2016 00:07	4.03 3	COIL TUBING	CIRCULATE	CT_CIRC	Circulate sweeps
5/31/2016 00:07	5/31/2016 00:30	0.38 3	COIL TUBING	CIRCULATE	CT_CIRC	Increase pump rate. 5 bpm @ 4600 psi, 6 bpm @ 5000 psi
5/31/2016 00:30	5/31/2016 02:45	2.25	COIL TUBING	CIRCULATE	CT_CIRC	Drop vinyl ball to open PBL tool, pumped 130 bbl, no indication, brought rate up to 6 bpm, pressure came up to 5600 psi. Dropped steel balls to open PBL tool, pumped 130 bbl, no indication.
5/31/2016 02:45	5/31/2016 06:00	3.25	COIL TUBING	CIRCULATE	CT_CIRC	Continue pumping 5 bbl sweeps. Only a hand full of plug parts in plug catcher since 2:30.

Report #: 35 Daily Operation: 5/31/2016 06:00 - 6/1/2016 06:00

Job Category	Primary Job Type	AFE Number
ORIG COMPLETION	OCM	037568
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)
115	35	0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
		CONQUEST COMPLETIN SERVICES, 3

Operations Summary

Continue to circulate and wait on orders/08:16 close slips shut pumps down, shut well in 570 S/I psi and go static. 14:34 - Open slips and tbg rams and rih from 15906' to 15920' neutral weight 20k well 580psi, snub weight 20k. Pipe is free. Pooh, pull weight 60k. Pick up off well, start breaking off BHA. Shut down 4.75 hr due to lightning. Continue breaking off tools. Found that most of the PBL shifting balls never made it into the PBL tool. (See comments in the time log) Cut coil, weld on new coil connector, allow cool down time, MU new BHA at report time.

Remarks

No incidents or accidents to report.
Frac. tanks # 322 - 684 - 327 - 854 - 795
Working tanks 535 - 295 - 481 - 405 - 878 gas buster
Haul off to tervita sand box # R-027,
Frac tk# 535 - has 206bbl oil from 7-43 27H
Frac tk# 295 - has 105bbl oil from 7-43 28H
Sand box in use R-010

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/31/2016 06:00	5/31/2016 06:15	0.25	NONOPS	NON ACTIVE DUE TO SAFETY EVENT	SAFETY	Held 15min safety meeting with all crews on location
5/31/2016 06:15	5/31/2016 08:16	2.02	COIL TUBING	CIRCULATE	CT_CIRC	Continue to circulate @15900', and pump 5bbl sweeps standing by to hear from supervisor
5/31/2016 08:16	5/31/2016 14:34	6.3	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	Close slips shut pumps down, shut well in 570 S/I psi and go static
5/31/2016 14:34	5/31/2016 17:00	2.44	COIL TUBING	PULL OUT OF HOLE	CT_POOH	Open slips and tbg rams and rih @15906' to 15920' neutral weight 20k well 580psi, snub weight 20k Pooh weight 60k currently @15500' pumping 3bpm @1900psi returns 3bpm @450psi

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/31/2016 17:00	5/31/2016 20:00	3	COIL TUBING	PULL OUT OF HOLE	CT_POOH	Pump 10-20-10 sweep @11350', continue POOH.
5/31/2016 20:00	5/31/2016 20:45	0.75	SETUP	RIG UP OR RIG DOWN	RURD	Coil tbg bumped up. Close upper then lower frac valves (40 turns each). Pick up lubricator & drop out tool string. Brought pump rate up to 1 bpm, all fluid coming from above motor. Appears PBL tool is stuck open.
5/31/2016 20:45	6/1/2016 01:30	4.75	NONOPS	NON ACTIVE DUE TO SAFETY EVENT	SAFETY	Suspend lifting operations until lightning storm passes. Crane company policy does not permit crane/lifting operations when lightning is within 10 miles.
6/1/2016 01:30	6/1/2016 02:25	0.917	SETUP	RIG UP OR RIG DOWN	RURD	Continue breaking off tool string. NOTE: When we broke off the PBL tool the first vinyl ball was still in the seat. There was 1 steel ball inside the PBL, the other 5 fell out of the disconnect onto the ground. We found the second vinyl ball in the back pressure valve. The basket was empty.
6/1/2016 02:25	6/1/2016 06:00	3.583	SETUP	RIG UP OR RIG DOWN	RURD	Cut coil, weld on new connector, allow time to cool, pull test connector, making up BHA at report time.

Report #: 36 Daily Operation: 6/1/2016 06:00 - 6/2/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037568
Days From Spud (days) 116	Days on Location (days) 36	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig CONQUEST COMPLETIN SERVICES, 3	

Operations Summary

Make up tool string, Test RIH Cont. drillout, drill out CFP #6 thru #1, pump circulate 10-20-10 circulate bottoms up pooh with BHA Drill out CFP #6 thru #1 Rih pushing stump down to bottom to 19970' pump 10-20-10 sweep circulate bottoms and clear sweeps Pump 10bbl sweep and pooh circulating 3400psi @4bpm returns 400psi @4.15bpm cleaned out plug catcher got back handful of rubber pieces.currently at 12420' pooh

Remarks

No incidents or accidents to report.
Frac. tanks # 322 - 684 - 327 - 854 - 795
Working tanks 535 - 295 - 481 - 405 - 878 gas buster
Haul off to tervita sand box # R-027,
Frac tk# 535 - has 206bbl oil from 7-43 27H
Frac tk# 295 - has 105bbl oil from 7-43 28H
Sand box in use R-010

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
6/1/2016 06:00	6/1/2016 07:00	1	COIL TUBING	COIL TUBING BHA	CT_BHA	Make up BHA Weld On Connector, DBPV, Global HYD. jars, HD, PBL tool, Tempress Screen, Hydra pull, XO, VIP Motor, XO, 4.5/8" OD JZ Rock Bit, Test Connector, to 2500 psi, Function Test Motor @ 3.75 bpm 3500 psi,
6/1/2016 07:00	6/1/2016 07:30	0.5	TEST	SURFACE LINES/PUMP	TEST_LINE	Test pump lines and shell test BOP's, 7500 psi,
6/1/2016 07:30	6/1/2016 14:42	7.2	COIL TUBING	RUN IN HOLE	CT_RIH	Open well RIH to plug # 6 @ 18792 ft.
6/1/2016 14:42	6/1/2016 14:52	0.167	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 6 @ 18788' CTM, set @ 18792', WLM. Drill plug in 10 minutes pumping 4 bpm / 3450 psi, returns 4.2 bpm / 450 psi. Pumped 5 BBL sweep, Choke size 50.
6/1/2016 14:52	6/1/2016 15:30	0.633	COIL TUBING	RUN IN HOLE	CT_RIH	RIH to CFP Boss Hog @ 19033 ft
6/1/2016 15:30	6/1/2016 15:40	0.167	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 5 @ MIA' CTM, set @ 19033', WLM. Drill plug in minutes pumping 4 bpm / 3400 psi, returns 4.2 bpm / 440 psi. Pumped 5 BBL sweep, Choke size 50. Neveer saw tag on this plug
6/1/2016 15:40	6/1/2016 16:52	1.216	COIL TUBING	RUN IN HOLE	CT_RIH	RIH to CFP boss gog # 19272 ft
6/1/2016 16:52	6/1/2016 16:59	0.116	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 4 @ 19253' CTM, set @ 19272', WLM. Drill plug in 7 minutes pumping 4 bpm / 3400 psi, returns 4.2 bpm / 440 psi. Pumped 10 BBL sweep, Choke size 50.
6/1/2016 16:59	6/1/2016 17:57	0.952	COIL TUBING	RUN IN HOLE	CT_RIH	Rih to CFP #3
6/1/2016 17:57	6/1/2016 18:07	0.167	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 3 @ 19492' CTM, set @ 19511', WLM. Drill plug in 10 minutes pumping 4 bpm / 3550 psi, returns 4.2 bpm / 450 psi. Pumped 5 BBL sweep, Choke size 50.
6/1/2016 18:07	6/1/2016 19:20	1.23	COIL TUBING	RUN IN HOLE	CT_RIH	Rih to CFP #2

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
6/1/2016 19:20	6/1/2016 19:30	0.16 7	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 2 @ 19730' CTM, set @ 19750', WLM. Drill plug in 10 minutes pumping 4 bpm / 3450 psi, returns 4.2 bpm / 430 psi. Pumped 5 BBL sweep, Choke size 51.
6/1/2016 19:30	6/1/2016 20:37	1.11 7	COIL TUBING	RUN IN HOLE	CT_RIH	Rih to CFP #1
6/1/2016 20:37	6/1/2016 20:47	0.16 7	COIL TUBING	DRILL OUT PLUG	CT_DOP	TIH, tag CFP # 1 @ 19944' CTM, set @ 19979', WLM. Drill plug in 10 minutes pumping 4 bpm / 3500 psi, returns 4.2 bpm / 450 psi. Pumped 10-20-10 BBL sweep, Choke size 51.
6/1/2016 20:47	6/1/2016 20:53	0.1	COIL TUBING	RUN IN HOLE	CT_RIH	Rih pushing stump down to bottom to 19970'
6/1/2016 20:53	6/1/2016 22:47	1.9	COIL TUBING	CIRCULATE	CT_CIRC	Circulate bottoms up and clear sweeps
6/1/2016 22:47	6/2/2016 06:00	7.21 7	COIL TUBING	PULL OUT OF HOLE	CT_POOH	Pump 10bbl sweep and pooh circulating 3400psi @4bpm returns 400psi @4.15bpm cleaned out plug catcher got back handful of rubber pieces

Report #: 37 Daily Operation: 6/2/2016 06:00 - 6/3/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037568	
Days From Spud (days) 117	Days on Location (days) 37	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 30		

Operations Summary

Pooh with BHA rig down CTU pump packer MIRU KLX wireline rih w/guage ring and junk basket to 9620' pooh w/tools and rih w/packer and set@ 9415' MIRU WOR rih with production EOT @1500' at report time

Remarks

No incidents or accidents to report.
Frac. tanks # 322 - 684 - 327 - 854 - 795
Working tanks 535 - 295 - 481 - 405 - 878 gas buster
Haul off to tervita sand box # R-027,
Frac tk# 535 - has 206bbl oil from 7-43 27H
Frac tk# 295 - has 105bbl oil from 7-43 28H
in use R-019
removed R-010

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
6/2/2016 06:00	6/2/2016 11:00	5	COIL TUBING	PULL OUT OF HOLE	CT_POOH	Coil on surface, WSI, While pooh motor failure occurred @ 12100 ft, No over pulls occurs, just a pressure spike, dropped rate to 1.8 bpm on pump @ 6000 psi, Continued to POOH with no other issues,
6/2/2016 11:00	6/2/2016 11:30	0.5	COIL TUBING	COIL TUBING BHA	CT_BHA	Tested BHA on surface, Shaft was sheared, Bit box was free spinning, ND BHA assembly,
6/2/2016 11:30	6/2/2016 15:30	4	SETUP	RIG UP OR RIG DOWN	RURD	RDMO Coil and support equipment, Move to next well
6/2/2016 15:30	6/2/2016 16:30	1	COIL TUBING	FLUSH	CT_FLUSH	Flushed well with 10 bbl sweep 10 bbl spacer, 220 bbls packer fluid, @ 8 bpm @ 1100 psi, shut well in, 690 psi,
6/2/2016 16:30	6/2/2016 18:37	2.11 7	SETUP	RIG UP OR RIG DOWN	RURD	MIRU WL unit and support crane,
6/2/2016 18:37	6/2/2016 18:52	0.25	NONOPS	NON ACTIVE DUE TO SAFETY EVENT	SAFETY	Held 15min safety meeting with all crews on location
6/2/2016 18:52	6/2/2016 19:35	0.72	WIRELINE	GAUGE RING/JUNK BASKET	WL_GR/JB	Open well up and rih with guage ring, junk basket and wireline to 9620'
6/2/2016 19:35	6/2/2016 20:30	0.91 7	WIRELINE	RUN UP	WL_RUNUP	Pooh with wireline and tools shut well in
6/2/2016 20:30	6/2/2016 21:37	1.11 7	WIRELINE	PACKER	WL_PKR	Rih with packer wireline and set@9415'
6/2/2016 21:37	6/2/2016 22:37	1	WIRELINE	RUN UP	WL_RUNUP	Pooh with wireline and tools
6/2/2016 22:37	6/3/2016 03:30	4.89	SETUP	RIG UP OR RIG DOWN	RURD	Rig down KLX wireline ND flowcross and frac valve NU BOPand annular torque and test equipment MIRU WOR and equipment
6/3/2016 03:30	6/3/2016 06:00	2.5	WORKOVER	RUN IN HOLE	WOV_RIH	Rih with production EOT @1500'

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Report #: 38 Daily Operation: 6/3/2016 06:00 - 6/4/2016 06:00						
Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 037568
Days From Spud (days) 118	Days on Location (days) 38	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER WELL SERVICE, 30	
Operations Summary Production tbg Landed and set 12k compression, NU prod Tree tested , Ready to POD						
Remarks						
Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
6/3/2016 06:00	6/3/2016 11:00	5	COIL TUBING	RUN IN HOLE	CT_RIH	RIH with prod tbg. Landed 12k compression,
6/3/2016 11:00	6/3/2016 12:00	1	SETUP	RIG UP OR RIG DOWN	RURD	RDMO WOR and support equipment ND BOPS, NU production tree ,
6/3/2016 12:00	6/3/2016 14:00	2	TEST	WELLHEAD	TEST_W H	test Production tree 5k ,
6/3/2016 14:00	6/4/2016 06:00	16	NONOPS	WELL SHUT IN	SHUT_IN	Well shut in waiting on POD
Report #: 39 Daily Operation: 6/4/2016 06:00 - 6/5/2016 06:00						
Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 037568
Days From Spud (days) 119	Days on Location (days) 39	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
Operations Summary Ready to POD						
Remarks						
Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
6/4/2016 06:00	6/5/2016 06:00	24	NONOPS	NON ACTIVE DUE TO OFFSET PAD	OFFSET	Ready to PD, WSI
Report #: 40 Daily Operation: 6/5/2016 06:00 - 6/6/2016 06:00						
Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 037568
Days From Spud (days) 120	Days on Location (days) 40	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
Operations Summary Ready to POD						
Remarks						
Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
6/5/2016 06:00	6/6/2016 06:00	24	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WSI ready to POD
Report #: 41 Daily Operation: 6/6/2016 06:00 - 6/7/2016 06:00						
Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 037568
Days From Spud (days) 121	Days on Location (days) 41	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
Operations Summary Ready to POD						
Remarks						
Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
6/6/2016 06:00	6/7/2016 06:00	24	NONOPS	WELL SHUT IN	SHUT_IN	
Report #: 42 Daily Operation: 6/7/2016 06:00 - 6/8/2016 06:00						
Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 037568
Days From Spud (days) 122	Days on Location (days) 42	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
Operations Summary						
Remarks						

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
6/7/2016 06:00	6/8/2016 06:00	24	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WSI ready to POD

WELL DETAILS

Well Name UNIVERSITY 7-43 28H	API/UWI 42-003-47294-0000	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	20	29.0	129.0	1/26/2016	1/26/2016
SURFACE	17 1/2	129.0	1,924.0	2/7/2016	2/8/2016
INTERMEDIATE	12 1/4	1,924.0	6,100.0	2/17/2016	2/19/2016
PRODUCTION	8 3/4	6,100.0	8,950.0	3/17/2016	3/19/2016
PRODUCTION 2	8 1/2	8,950.0	20,165.0	3/20/2016	3/29/2016

Conductor Casing

Run Date	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 1/26/2016	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) 1,924.0	Run Date 2/8/2016	Centralizers 12						
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	1,882.61	45	-8.2	1,874.4
FLOAT COLLAR	13 3/8	12.615			1.60	1	1,876.0	1,877.6
FLOAT COLLAR	13 3/8	12.615			1.60	1	1,874.4	1,876.0
CASING JOINTS	13 3/8	12.615	54.50	J-55	42.92	1	1,877.6	1,920.5
FLOAT SHOE	13 3/8	12.615			1.75	1	1,922.3	1,924.0
FLOAT SHOE	13 3/8	12.615			1.75	1	1,920.5	1,922.3
Set Depth (ftKB) 2,000.0	Run Date 2/8/2016	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

Surface Casing Cement

Type Casing	String SURFACE, 1,924.0ftKB	Cementing Start Date 2/8/2016	Cementing End Date 2/8/2016	Cementing Company SCHLUMBERGER	Top (ftKB) 29.0	Btm (ftKB) 1,924.0
Class Spacer	Amount (sacks) 0	Yield (ft³/sack) 0.00	Density (lb/gal)			
Class Class C	Amount (sacks) 1,337	Yield (ft³/sack) 1.66	Density (lb/gal) 13.00			
Class Class C	Amount (sacks) 111	Yield (ft³/sack) 1.66	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) 6,040.0	Run Date 2/20/2016	Centralizers 15						
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	-5.1	-5.1
LANDING JOINT	9 5/8	8.835	40.00	L-80 IC	35.00	1	-5.1	29.9
CASING HANGER	9 5/8	8.835		L-80 IC	4.00	1	29.9	33.9
CASING JOINTS	9 5/8	8.835	40.00	L-80 IC	90.65	2	33.9	124.6
CASING JOINTS	9 5/8	8.835	40.00	L-80 IC	5,820.13	129	124.6	5,944.7
FLOAT COLLAR	9 5/8	8.835	40.00	L-80	1.25	1	5,944.7	5,945.9
CASING JOINTS	9 5/8	8.835	40.00	L-80 IC	92.51	2	5,945.9	6,038.5

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Item Des		OD (in)	ID (in)	Wt/Lgth (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)
FLOAT SHOE		9 5/8	8.835	40.00	L-80	1.55	1	6,038.5	6,040.0
Set Depth (ftKB) 6,100.0		Run Date 2/8/2016		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, 6,040.0ftKB		Cementing Start Date 2/20/2016		Cementing End Date 2/20/2016		Cementing Company SCHLUMBERGER	
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) 10.00		
Class TXI LITEWEIGHT		Amount (sacks) 670		Yield (ft³/sack) 2.19			Density (lb/gal) 11.50		
Class CLASS C		Amount (sacks) 400		Yield (ft³/sack) 1.07			Density (lb/gal) 16.40		
Class Water		Amount (sacks) 0		Yield (ft³/sack)			Density (lb/gal) 8.34		
Production Casing									
Set Depth (ftKB) 20,133.0		Run Date 3/31/2016		Centralizers 43					
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		P-110 IC	0.00	0	-5.5	-5.5
CASING JOINTS		5 1/2	4.766	20.00	P-110 IC	0.00	0	-5.5	-5.5
LANDING JOINT		5 1/2	4.778			35.00	1	-5.5	29.5
CASING HANGER		5 1/2	4.778			4.00	1	29.5	33.5
CASING JOINTS		5 1/2	4.766	20.00	P-110 IC	40.92	1	33.5	74.5
CASING JOINTS		5 1/2	4.778	20.00	P-110 IC	1,858.41	45	74.5	1,932.9
MARKER JOINT		5 1/2	4.778	20.00	P-110	83.63	2	1,932.9	2,016.5
CASING JOINTS		5 1/2	4.778	20.00	P-110 IC	6,711.74	163	2,016.5	8,728.2
MARKER JOINT		5 1/2	4.778	20.00	P-110 IC	20.20	1	8,728.2	8,748.4
CASING JOINTS		5 1/2	4.778	20.00	P-110 IC	166.59	4	8,748.4	8,915.0
MARKER JOINT		5 1/2	4.778	20.00	P-110	20.13	1	8,915.0	8,935.2
CASING JOINTS		5 1/2	4.778	20.00	P-110 IC	11,043.08	268	8,935.2	19,978.2
PUP JOINT		5 1/2	4.778			10.42	1	19,978.2	19,988.7
TOE SLEEVE - DELAYED		5 1/2	4.548	26.00	P-110	5.63	1	19,988.7	19,994.3
PUP JOINT		5 1/2	4.778			10.48	1	19,994.3	20,004.8
CASING JOINTS		5 1/2	4.778	20.00	P-110 IC	40.94	1	20,004.8	20,045.7
FLOAT COLLAR		5 1/2	4.548	26.00	P-110	1.62	1	20,045.7	20,047.3
CASING JOINTS		5 1/2	4.778	20.00	P-110 IC	82.98	2	20,047.3	20,130.3
FLOAT SHOE		5 1/2	4.548	26.00	P-110	2.69	1	20,130.3	20,133.0
Set Depth (ftKB) 20,207.0		Run Date 2/8/2016		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	20,207.47	505	-0.5	20,207.0
Production Casing Cement									
Type Casing		String PRODUCTION, 20,133.0ftKB		Cementing Start Date 3/31/2016		Cementing End Date 3/31/2016		Cementing Company SCHLUMBERGER	
Class MUDPUSH		Amount (sacks) 0		Yield (ft³/sack)			Density (lb/gal) 9.50		
Class TXI LITEWEIGHT		Amount (sacks) 378		Yield (ft³/sack) 2.56			Density (lb/gal) 11.50		
Class TXI LITEWEIGHT		Amount (sacks) 1,680		Yield (ft³/sack) 1.61			Density (lb/gal) 12.50		
Class DISPLACEMENT		Amount (sacks) 0		Yield (ft³/sack)			Density (lb/gal) 8.33		
Cement Squeeze									
Description		Type		String		Cementing Start Date		Cementing End Date	
Amount (sacks)		Yield (ft³/sack)				Dens (lb/gal)			

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Perforations					
Top (ftKB)	Btm (ftKB)	Linked Zone	Shot Dens (shots/ft)	Entered Shot Total	Com
9,729.0	9,731.0		4.0		
9,769.0	9,771.0		4.0		
9,809.0	9,811.0		4.0		
9,849.0	9,851.0		4.0		
9,889.0	9,891.0		4.0		
9,929.0	9,931.0		4.0		
9,968.0	9,970.0		4.0		
10,008.0	10,010.0		4.0		
10,048.0	10,050.0		4.0		
10,088.0	10,090.0		4.0		
10,128.0	10,130.0		4.0		
10,168.0	10,170.0		4.0		
10,207.0	10,209.0		4.0		
10,247.0	10,249.0		4.0		
10,287.0	10,289.0		4.0		
10,327.0	10,329.0		4.0		
10,367.0	10,369.0		4.0		
10,407.0	10,409.0		4.0		
10,446.0	10,448.0		4.0		
10,486.0	10,488.0		4.0		
10,526.0	10,528.0		4.0		
10,566.0	10,568.0		4.0		
10,606.0	10,608.0		4.0		
10,646.0	10,648.0		4.0		
10,685.0	10,687.0		4.0		
10,725.0	10,727.0		4.0		
10,765.0	10,767.0		4.0		
10,805.0	10,807.0		4.0		
10,845.0	10,847.0		4.0		
10,885.0	10,887.0		4.0		
10,924.0	10,926.0		4.0		
10,964.0	10,966.0		4.0		
11,004.0	11,006.0		4.0		
11,044.0	11,046.0		4.0		
11,084.0	11,086.0		4.0		
11,124.0	11,126.0		4.0		
11,163.0	11,165.0		4.0		
11,203.0	11,205.0		4.0		
11,243.0	11,245.0		4.0		
11,283.0	11,285.0		4.0		
11,323.0	11,325.0		4.0		
11,363.0	11,365.0		4.0		
11,402.0	11,404.0		4.0		
11,442.0	11,444.0		4.0		
11,482.0	11,484.0		4.0		
11,522.0	11,524.0		4.0		
11,562.0	11,564.0		4.0		
11,602.0	11,604.0		4.0		
11,641.0	11,643.0		4.0		
11,681.0	11,683.0		4.0		
11,721.0	11,723.0		4.0		
11,761.0	11,763.0		4.0		
11,801.0	11,803.0		4.0		
11,841.0	11,843.0		4.0		
11,880.0	11,882.0		4.0		
11,920.0	11,922.0		4.0		
11,960.0	11,962.0		4.0		
12,000.0	12,002.0		4.0		

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Perforations

Top (ftKB)	Btm (ftKB)	Linked Zone	Shot Dens (shots/ft)	Entered Shot Total	Com
12,040.0	12,042.0		4.0		
12,080.0	12,082.0		4.0		
12,119.0	12,121.0		4.0		
12,159.0	12,161.0		4.0		
12,199.0	12,201.0		4.0		
12,239.0	12,241.0		4.0		
12,279.0	12,281.0		4.0		
12,319.0	12,321.0		4.0		
12,358.0	12,360.0		4.0		
12,398.0	12,400.0		4.0		
12,438.0	12,440.0		4.0		
12,478.0	12,480.0		4.0		
12,518.0	12,520.0		4.0		
12,558.0	12,560.0		4.0		
12,597.0	12,599.0		4.0		
12,637.0	12,639.0		4.0		
12,677.0	12,679.0		4.0		
12,717.0	12,719.0		4.0		
12,758.0	12,760.0		4.0		
12,797.0	12,799.0		4.0		
12,836.0	12,838.0		4.0		
12,876.0	12,878.0		4.0		
12,916.0	12,918.0		4.0		
12,956.0	12,958.0		4.0		
12,996.0	12,998.0		4.0		
13,036.0	13,038.0		4.0		
13,075.0	13,077.0		4.0		
13,115.0	13,117.0		4.0		
13,155.0	13,157.0		4.0		
13,195.0	13,197.0		4.0		
13,235.0	13,237.0		4.0		
13,275.0	13,277.0		4.0		
13,314.0	13,316.0		4.0		
13,354.0	13,356.0		4.0		
13,394.0	13,396.0		4.0		
13,434.0	13,436.0		4.0		
13,474.0	13,476.0		4.0		
13,514.0	13,516.0		4.0		
13,553.0	13,555.0		4.0		
13,593.0	13,595.0		4.0		
13,633.0	13,635.0		4.0		
13,673.0	13,675.0		4.0		
13,713.0	13,715.0		4.0		
13,753.0	13,755.0		4.0		
13,792.0	13,794.0		4.0		
13,832.0	13,834.0		4.0		
13,872.0	13,874.0		4.0		
13,912.0	13,914.0		4.0		
13,952.0	13,954.0		4.0		
13,992.0	13,994.0		4.0		
14,031.0	14,033.0		4.0		
14,071.0	14,073.0		4.0		
14,111.0	14,113.0		4.0		
14,151.0	14,153.0		4.0		
14,191.0	14,193.0		4.0		
14,231.0	14,233.0		4.0		
14,270.0	14,272.0		4.0		
14,310.0	14,312.0		4.0		

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Perforations					
Top (ftKB)	Btm (ftKB)	Linked Zone	Shot Dens (shots/ft)	Entered Shot Total	Com
14,350.0	14,352.0		4.0		
14,390.0	14,392.0		4.0		
14,430.0	14,432.0		4.0		
14,470.0	14,472.0		4.0		
14,509.0	14,511.0		4.0		
14,549.0	14,551.0		4.0		
14,589.0	14,591.0		4.0		
14,629.0	14,631.0		4.0		
14,669.0	14,671.0		4.0		
14,709.0	14,711.0		4.0		
14,748.0	14,750.0		4.0		
14,788.0	14,790.0		4.0		
14,828.0	14,830.0		4.0		
14,868.0	14,870.0		4.0		
14,908.0	14,910.0		4.0		
14,948.0	14,950.0		4.0		
14,987.0	14,989.0		4.0		
15,027.0	15,029.0		4.0		
15,067.0	15,069.0		4.0		
15,107.0	15,109.0		4.0		
15,147.0	15,149.0		4.0		
15,187.0	15,189.0		4.0		
15,226.0	15,228.0		4.0		
15,266.0	15,268.0		4.0		
15,306.0	15,308.0		4.0		
15,346.0	15,348.0		4.0		
15,386.0	15,388.0		4.0		
15,426.0	15,428.0		4.0		
15,465.0	15,467.0		4.0		
15,505.0	15,507.0		4.0		
15,545.0	15,547.0		4.0		
15,585.0	15,587.0		4.0		
15,625.0	15,627.0		4.0		
15,665.0	15,667.0		4.0		
15,704.0	15,706.0		4.0		
15,744.0	15,746.0		4.0		
15,784.0	15,786.0		4.0		
15,824.0	15,826.0		4.0		
15,864.0	15,866.0		4.0		
15,904.0	15,906.0		4.0		
15,943.0	15,945.0		4.0		
15,983.0	15,985.0		4.0		
16,023.0	16,025.0		4.0		
16,063.0	16,065.0		4.0		
16,103.0	16,105.0		4.0		
16,143.0	16,145.0		4.0		
16,182.0	16,184.0		4.0		
16,222.0	16,224.0		4.0		
16,262.0	16,264.0		4.0		
16,302.0	16,304.0		4.0		
16,342.0	16,344.0		4.0		
16,382.0	16,384.0		4.0		
16,421.0	16,423.0		4.0		
16,461.0	16,463.0		4.0		
16,501.0	16,503.0		4.0		
16,541.0	16,543.0		4.0		
16,581.0	16,583.0		4.0		
16,621.0	16,623.0		4.0		

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Perforations					
Top (ftKB)	Btm (ftKB)	Linked Zone	Shot Dens (shots/ft)	Entered Shot Total	Com
16,660.0	16,662.0		4.0		
16,700.0	16,702.0		4.0		
16,740.0	16,742.0		4.0		
16,780.0	16,782.0		4.0		
16,820.0	16,822.0		4.0		
16,860.0	16,862.0		4.0		
16,899.0	16,901.0		4.0		
16,939.0	16,941.0		4.0		
16,979.0	16,981.0		4.0		
17,019.0	17,021.0		4.0		
17,059.0	17,061.0		4.0		
17,099.0	17,101.0		4.0		
17,138.0	17,140.0		4.0		
17,178.0	17,180.0		4.0		
17,218.0	17,220.0		4.0		
17,258.0	17,260.0		4.0		
17,298.0	17,300.0		4.0		
17,338.0	17,340.0		4.0		
17,377.0	17,379.0		4.0		
17,417.0	17,419.0		4.0		
17,457.0	17,459.0		4.0		
17,497.0	17,499.0		4.0		
17,537.0	17,539.0		4.0		
17,577.0	17,579.0		4.0		
17,616.0	17,618.0		4.0		
17,656.0	17,658.0		4.0		
17,696.0	17,698.0		4.0		
17,736.0	17,738.0		4.0		
17,776.0	17,778.0		4.0		
17,816.0	17,818.0		4.0		
17,855.0	17,857.0		4.0		
17,895.0	17,897.0		4.0		
17,935.0	17,937.0		4.0		
17,975.0	17,977.0		4.0		
18,015.0	18,017.0		4.0		
18,055.0	18,057.0		4.0		
18,094.0	18,096.0		4.0		
18,134.0	18,136.0		4.0		
18,176.0	18,178.0		4.0		
18,210.0	18,212.0		4.0		
18,250.0	18,252.0		4.0		
18,290.0	18,296.0		4.0		
18,333.0	18,335.0		4.0		
18,373.0	18,375.0		4.0		
18,413.0	18,415.0		4.0		
18,453.0	18,455.0		4.0		
18,493.0	18,495.0		4.0		
18,533.0	18,535.0		4.0		
18,572.0	18,574.0		4.0		
18,612.0	18,614.0		4.0		
18,652.0	18,654.0		4.0		
18,692.0	18,694.0		4.0		
18,732.0	18,734.0		4.0		
18,772.0	18,774.0		4.0		
18,811.0	18,813.0		4.0		
18,851.0	18,853.0		4.0		
18,891.0	18,893.0		4.0		
18,931.0	18,933.0		4.0		

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Perforations

Top (ftKB)	Btm (ftKB)	Linked Zone	Shot Dens (shots/ft)	Entered Shot Total	Com
18,971.0	18,973.0		4.0		
19,011.0	19,013.0		4.0		
19,050.0	19,052.0		4.0		
19,090.0	19,092.0		4.0		
19,130.0	19,132.0		4.0		
19,170.0	19,172.0		4.0		
19,210.0	19,212.0		4.0		
19,250.0	19,252.0		4.0		
19,289.0	19,291.0		4.0		
19,329.0	19,331.0		4.0		
19,369.0	19,371.0		4.0		
19,409.0	19,411.0		4.0		
19,449.0	19,451.0		4.0		
19,489.0	19,491.0		4.0		
19,528.0	19,530.0		4.0		
19,568.0	19,570.0		4.0		
19,608.0	19,610.0		4.0		
19,648.0	19,650.0		4.0		
19,688.0	19,690.0		4.0		
19,728.0	19,730.0		4.0		
19,767.0	19,769.0		4.0		
19,807.0	19,809.0		4.0		
19,847.0	19,849.0		4.0		
19,887.0	19,889.0		4.0		
19,927.0	19,929.0		4.0		
19,967.0	19,969.0		4.0		

Stimulations & Treatments (Actual)

1, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
5/5/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	19,767.0	19,969.0	323,296.0	15,161.00

2, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
5/5/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	19,528.0	19,730.0	342,640.0	12,907.00

3, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
5/6/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	19,289.0	19,491.0	315,076.0	11,242.00

4, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
5/7/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	19,050.0	19,252.0	340,637.0	11,695.00

5, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
5/7/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	18,811.0	19,013.0	339,137.0	11,647.00

6, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
5/8/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	18,572.0	18,774.0	346,564.0	11,613.00

7, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
5/8/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	18,333.0	18,535.0	336,921.0	12,885.00

8, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
5/8/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	18,094.0	18,296.0	341,381.0	11,550.00

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Stimulations & Treatments (Actual)						
9, <Zone?>						
Date 5/9/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 17,855.0	Bottom Depth (ftKB) 18,057.0	Proppant Total (lb) 343,538.0	Total Clean Vol (bbl) 11,679.00
10, <Zone?>						
Date 5/9/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 17,616.0	Bottom Depth (ftKB) 17,818.0	Proppant Total (lb) 343,336.0	Total Clean Vol (bbl) 11,722.00
11, <Zone?>						
Date 5/10/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 17,377.0	Bottom Depth (ftKB) 17,579.0	Proppant Total (lb) 345,116.0	Total Clean Vol (bbl) 11,530.00
12, <Zone?>						
Date 5/10/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 17,138.0	Bottom Depth (ftKB) 17,340.0	Proppant Total (lb) 335,030.0	Total Clean Vol (bbl) 11,679.00
13, <Zone?>						
Date 5/10/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 16,899.0	Bottom Depth (ftKB) 17,101.0	Proppant Total (lb) 339,512.0	Total Clean Vol (bbl) 11,365.00
14, <Zone?>						
Date 5/11/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 16,660.0	Bottom Depth (ftKB) 16,862.0	Proppant Total (lb) 330,460.0	Total Clean Vol (bbl) 11,628.00
15, <Zone?>						
Date 5/11/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 16,421.0	Bottom Depth (ftKB) 16,623.0	Proppant Total (lb) 339,802.0	Total Clean Vol (bbl) 11,627.00
16, <Zone?>						
Date 5/12/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 16,182.0	Bottom Depth (ftKB) 16,384.0	Proppant Total (lb) 339,804.0	Total Clean Vol (bbl) 11,402.00
17, <Zone?>						
Date 5/12/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 15,943.0	Bottom Depth (ftKB) 16,145.0	Proppant Total (lb) 334,403.0	Total Clean Vol (bbl) 11,555.00
18, <Zone?>						
Date 5/12/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 15,704.0	Bottom Depth (ftKB) 15,906.0	Proppant Total (lb) 334,978.0	Total Clean Vol (bbl) 11,311.00
19, <Zone?>						
Date 5/13/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 15,465.0	Bottom Depth (ftKB) 15,667.0	Proppant Total (lb) 323,813.0	Total Clean Vol (bbl) 11,373.00
20, <Zone?>						
Date 5/13/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 15,226.0	Bottom Depth (ftKB) 15,428.0	Proppant Total (lb) 335,700.0	Total Clean Vol (bbl) 11,256.00
21, <Zone?>						
Date 5/14/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 14,987.0	Bottom Depth (ftKB) 15,189.0	Proppant Total (lb) 334,395.0	Total Clean Vol (bbl) 11,302.00
22, <Zone?>						
Date 5/14/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 14,748.0	Bottom Depth (ftKB) 14,950.0	Proppant Total (lb) 326,482.0	Total Clean Vol (bbl) 11,370.00
23, <Zone?>						
Date 5/14/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 14,509.0	Bottom Depth (ftKB) 14,711.0	Proppant Total (lb) 334,747.0	Total Clean Vol (bbl) 11,324.00
24, <Zone?>						
Date 5/14/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 14,270.0	Bottom Depth (ftKB) 14,472.0	Proppant Total (lb) 334,627.0	Total Clean Vol (bbl) 11,447.00
25, <Zone?>						
Date 5/15/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 14,031.0	Bottom Depth (ftKB) 14,233.0	Proppant Total (lb) 334,084.0	Total Clean Vol (bbl) 11,429.00

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Stimulations & Treatments (Actual)						
26, <Zone?>						
Date 5/16/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 13,792.0	Bottom Depth (ftKB) 13,994.0	Proppant Total (lb) 333,933.0	Total Clean Vol (bbl) 11,054.00
27, <Zone?>						
Date 5/16/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 13,553.0	Bottom Depth (ftKB) 13,755.0	Proppant Total (lb) 317,389.0	Total Clean Vol (bbl) 11,117.00
28, <Zone?>						
Date 5/17/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 13,314.0	Bottom Depth (ftKB) 13,516.0	Proppant Total (lb) 337,528.0	Total Clean Vol (bbl) 12,296.00
29, <Zone?>						
Date 5/17/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 13,075.0	Bottom Depth (ftKB) 13,277.0	Proppant Total (lb) 341,683.0	Total Clean Vol (bbl) 11,265.00
30, <Zone?>						
Date 5/17/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 12,836.0	Bottom Depth (ftKB) 13,038.0	Proppant Total (lb) 201,469.0	Total Clean Vol (bbl) 8,811.00
31, <Zone?>						
Date 5/18/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 12,597.0	Bottom Depth (ftKB) 12,799.0	Proppant Total (lb) 337,869.0	Total Clean Vol (bbl) 11,097.00
32, <Zone?>						
Date 5/18/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 12,358.0	Bottom Depth (ftKB) 12,560.0	Proppant Total (lb) 339,656.0	Total Clean Vol (bbl) 11,085.00
33, <Zone?>						
Date 5/19/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 12,119.0	Bottom Depth (ftKB) 12,321.0	Proppant Total (lb) 335,197.0	Total Clean Vol (bbl) 11,041.00
34, <Zone?>						
Date 5/19/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 11,880.0	Bottom Depth (ftKB) 12,082.0	Proppant Total (lb) 336,193.0	Total Clean Vol (bbl) 11,200.00
35, <Zone?>						
Date 5/19/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 11,641.0	Bottom Depth (ftKB) 11,843.0	Proppant Total (lb) 336,075.0	Total Clean Vol (bbl) 11,128.00
36, <Zone?>						
Date 5/20/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 11,402.0	Bottom Depth (ftKB) 11,604.0	Proppant Total (lb) 340,311.0	Total Clean Vol (bbl) 11,030.00
37, <Zone?>						
Date 5/20/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 11,163.0	Bottom Depth (ftKB) 11,365.0	Proppant Total (lb) 335,086.0	Total Clean Vol (bbl) 11,208.00
38, <Zone?>						
Date 5/21/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 10,924.0	Bottom Depth (ftKB) 11,126.0	Proppant Total (lb) 312,807.0	Total Clean Vol (bbl) 10,667.00
39, <Zone?>						
Date 5/21/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 10,685.0	Bottom Depth (ftKB) 10,887.0	Proppant Total (lb) 337,336.0	Total Clean Vol (bbl) 11,098.00
40, <Zone?>						
Date 5/22/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 10,446.0	Bottom Depth (ftKB) 10,648.0	Proppant Total (lb) 336,973.0	Total Clean Vol (bbl) 11,553.00
41, <Zone?>						
Date 5/22/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 10,207.0	Bottom Depth (ftKB) 10,409.0	Proppant Total (lb) 334,685.0	Total Clean Vol (bbl) 11,170.00
42, <Zone?>						
Date 5/22/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 9,968.0	Bottom Depth (ftKB) 10,170.0	Proppant Total (lb) 335,236.0	Total Clean Vol (bbl) 11,278.00

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Stimulations & Treatments (Actual)

43, <Zone?>

Date 5/22/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 9,729.0	Bottom Depth (ftKB) 9,931.0	Proppant Total (lb) 337,277.0	Total Clean Vol (bbl) 11,194.00
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Zones

Zone Name	Top (ftKB)

Tubing Details

Tubing Description TUBING - PRODUCTION	Set Depth (ftKB) 9,415.0	Run Date 6/2/2016
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Tubing Components

Item Des	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)
TUBING HANGER	2 7/8			0.50	1	28.9	29.4
TUBING	2 7/8	6.50	L-80	1,485.34	45	29.4	1,514.8
GAS LIFT SUB	2 7/8	4.00		4.10	1	1,514.8	1,518.9
TUBING	2 7/8	6.50	L-80	496.69	15	1,518.9	2,015.6
GAS LIFT SUB 15	2 7/8	4.00		4.10	1	2,015.6	2,019.7
TUBING	2 7/8	6.50	L-80	496.76	15	2,019.7	2,516.4
GAS LIFT SUB 14	2 7/8	4.00		4.10	1	2,516.4	2,520.5
TUBING	2 7/8	6.50	L-80	496.84	15	2,520.5	3,017.4
GAS LIFT SUB 13	2 7/8	4.00		4.10	1	3,017.4	3,021.5
TUBING	2 7/8	6.50	L-80	527.11	16	3,021.5	3,548.6
GAS LIFT SUB 12	2 7/8	4.00		4.10	1	3,548.6	3,552.7
TUBING	2 7/8	6.50	L-80	496.73	15	3,552.7	4,049.4
GAS LIFT SUB 11	2 7/8	4.00		4.10	1	4,049.4	4,053.5
TUBING	2 7/8	6.50	L-80	493.86	15	4,053.5	4,547.4
GAS LIFT SUB 10	2 7/8	4.00		4.10	1	4,547.4	4,551.5
TUBING	2 7/8	6.50	L-80	529.72	16	4,551.5	5,081.2
GAS LIFT SUB 9	2 7/8	4.00		4.10	1	5,081.2	5,085.3
TUBING	2 7/8	6.50	L-80	494.79	15	5,085.3	5,580.1
GAS LIFT SUB 8	2 7/8	4.00		4.10	1	5,580.1	5,584.2
TUBING	2 7/8	6.50	L-80	496.59	15	5,584.2	6,080.8
GAS LIFT SUB 7	2 7/8	4.00		4.10	1	6,080.8	6,084.9
TUBING	2 7/8	6.50	L-80	529.58	16	6,084.9	6,614.5
GAS LIFT SUB 6	2 7/8	4.00		4.10	1	6,614.5	6,618.6
TUBING	2 7/8	6.50	L-80	493.94	15	6,618.6	7,112.5
GAS LIFT SUB 5	2 7/8	4.00		4.10	1	7,112.5	7,116.6
TUBING	2 7/8	6.50	L-80	529.46	16	7,116.6	7,646.1
GAS LIFT SUB 4	2 7/8	4.00		4.10	1	7,646.1	7,650.2
TUBING	2 7/8	6.50	L-80	562.74	17	7,650.2	8,212.9
GAS LIFT SUB 3	2 7/8	4.00		0.90	1	8,212.9	8,213.8
TUBING	2 7/8	6.50	L-80	562.79	17	8,213.8	8,776.6
GAS LIFT SUB 2	2 7/8	4.00		4.10	1	8,776.6	8,780.7
TUBING	2 7/8	6.50	L-80	553.48	17	8,780.7	9,334.2
X- NIPPLE	2 7/8	4.00		1.25	1	9,334.2	9,335.4
TUBING	2 7/8	6.50	L-80	33.12	1	9,335.4	9,368.5
GAS LIFT SUB 1	2 7/8	4.00		4.10	1	9,368.5	9,372.6
TUBING	2 7/8	6.50	L-80	33.10	1	9,372.6	9,405.7
ON/OFF TOOL	2 7/8	5.95	L-80	1.47	1	9,405.7	9,407.2
PACKER	5 1/2			7.35	1	9,407.2	9,414.6
POP	2 7/8			0.45	1	9,414.6	9,415.0

Rod Strings

Rod Description	Set Depth (ftKB)	Run Date

Rod Components

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

Other In Hole

Des	Top (ftKB)	Btm (ftKB)	OD (in)	Run Date	Pull Date	Com	String	Wellbore
FRAC PLUG	19,979.0	19,981.0	4.38	5/2/2016	6/1/2016	CFP #1	PRODUCTION, 20,133.0ftKB	ORIGINAL

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Other In Hole								
Des	Top (ftKB)	Btm (ftKB)	OD (in)	Run Date	Pull Date	Com	String	Wellbore
FRAC PLUG	19,750.0	19,752.0	4.38	5/5/2016	6/1/2016	CFP #2	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	19,511.0	19,513.0	4.38	5/6/2016	6/1/2016	CFP #3	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	19,272.0	19,274.0	4.38	5/6/2016	6/1/2016	CFP #4	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	19,033.0	19,035.0	4.38	5/7/2016	6/1/2016	CFP #5	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	18,792.0	18,794.0	4.38	5/7/2016	6/1/2016	CFP #6	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	18,555.0	18,557.0	4.38	5/8/2016	5/30/2016	CFP #7	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	18,316.0	18,318.0	4.38	5/8/2016	5/30/2016	CFP #8	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	18,077.0	18,079.0	4.38	5/9/2016	5/30/2016	CFP #9	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	17,838.0	17,840.0	4.38	5/9/2016	5/29/2016	CFP #10	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	17,599.0	17,601.0	4.38	5/9/2016	5/29/2016	CFP #11	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	17,360.0	17,362.0	4.38	5/10/2016	5/29/2016	CFP #12	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	17,121.0	17,123.0	4.38	5/10/2016	5/29/2016	CFP #13	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	16,882.0	16,884.0	4.38	5/10/2016	5/29/2016	CFP #14	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	16,643.0	16,645.0	4.38	5/11/2016	5/29/2016	CFP #15	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	16,404.0	16,406.0	4.38	5/11/2016	5/29/2016	CFP #16	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	16,165.0	16,167.0	4.38	5/12/2016	5/29/2016	CFP #17	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	15,926.0	15,928.0	4.38	5/12/2016	5/29/2016	CFP #18	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	15,691.0	15,693.0	4.38	5/13/2016	5/29/2016	CFP #19	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	15,448.0	15,450.0	4.38	5/13/2016	5/28/2016	CFP #20	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	15,209.0	15,211.0	4.38	5/13/2016	5/28/2016	CFP #21	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	14,970.0	14,972.0	4.38	5/14/2016	5/28/2016	CFP #22	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	14,731.0	14,733.0	4.38	5/14/2016	5/28/2016	CFP #23	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	14,492.0	14,494.0	4.38	5/14/2016	5/28/2016	CFP #24	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	14,244.0	14,246.0	4.38	5/15/2016	5/28/2016	CFP #25	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	14,014.0	14,016.0	4.38	5/15/2016	5/28/2016	CFP #26	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	13,775.0	13,777.0	4.38	5/16/2016	5/28/2016	CFP #27	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	13,536.0	13,538.0	4.38	5/16/2016	5/28/2016	CFP #28	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	13,297.0	13,299.0	4.38	5/17/2016	5/28/2016	CFP #29	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	13,058.0	13,060.0	4.38	5/17/2016	5/28/2016	CFP #30	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	12,819.0	12,821.0	4.38	5/17/2016	5/28/2016	CFP #31	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	12,580.0	12,582.0	4.38	5/18/2016	5/28/2016	CFP #32	PRODUCTION, 20,133.0ftKB	ORIGINAL

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Other In Hole								
Des	Top (ftKB)	Btm (ftKB)	OD (in)	Run Date	Pull Date	Com	String	Wellbore
FRAC PLUG	12,341.0	12,343.0	4.38	5/18/2016	5/28/2016	CFP #33	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	12,102.0	12,104.0	4.38	5/19/2016	5/28/2016	CFP #34	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	11,863.0	11,865.0	4.38	5/19/2016	5/28/2016	CFP #35	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	11,624.0	11,626.0	4.38	5/19/2016	5/28/2016	CFP #36	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	11,385.0	11,387.0	4.38	5/20/2016	5/28/2016	CFP #37	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	11,146.0	11,148.0	4.38	5/20/2016	5/28/2016	CFP #38	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	10,907.0	10,909.0	4.38	5/21/2016	5/28/2016	CFP #39	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	10,662.0	10,664.0	4.38	5/21/2016	5/28/2016	CFP #40	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	10,429.0	10,431.0	4.38	5/22/2016	5/28/2016	CFP #41	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	10,190.0	10,192.0	4.38	5/22/2016	5/28/2016	CFP #42	PRODUCTION, 20,133.0ftKB	ORIGINAL
FRAC PLUG	9,951.0	9,953.0	4.38	5/22/2016	5/28/2016	CFP #43	PRODUCTION, 20,133.0ftKB	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					
2/7/2016		MAIN HOLE SURVEY					
Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Unwrap Displace (ft)	Survey Company	
2/7/2016	0.00	0.00	0.00	0.00	0.00	LEAM DRILLING SYSTEMS, INC.	
2/7/2016	218.00	0.50	317.20	218.00	0.95	LEAM DRILLING SYSTEMS, INC.	
2/7/2016	307.00	0.40	345.60	306.99	1.63	LEAM DRILLING SYSTEMS, INC.	
2/7/2016	398.00	0.50	343.40	397.99	2.34	LEAM DRILLING SYSTEMS, INC.	
2/7/2016	493.00	0.40	1.20	492.99	3.08	LEAM DRILLING SYSTEMS, INC.	
2/7/2016	584.00	0.50	0.40	583.99	3.80	LEAM DRILLING SYSTEMS, INC.	
2/7/2016	674.00	0.50	8.40	673.98	4.58	LEAM DRILLING SYSTEMS, INC.	
2/7/2016	768.00	0.40	22.20	767.98	5.31	LEAM DRILLING SYSTEMS, INC.	
2/7/2016	862.00	0.50	12.10	861.98	6.05	LEAM DRILLING SYSTEMS, INC.	
2/7/2016	955.00	0.50	33.70	954.97	6.84	LEAM DRILLING SYSTEMS, INC.	
2/7/2016	1,049.00	0.70	35.20	1,048.97	7.83	LEAM DRILLING SYSTEMS, INC.	
2/7/2016	1,143.00	0.40	59.40	1,142.96	8.71	LEAM DRILLING SYSTEMS, INC.	
2/7/2016	1,237.00	0.10	124.30	1,236.96	9.08	LEAM DRILLING SYSTEMS, INC.	
2/7/2016	1,330.00	0.30	176.00	1,329.96	9.38	LEAM DRILLING SYSTEMS, INC.	
2/7/2016	1,424.00	0.30	174.50	1,423.96	9.88	LEAM DRILLING SYSTEMS, INC.	
2/7/2016	1,518.00	0.30	203.80	1,517.96	10.35	LEAM DRILLING SYSTEMS, INC.	
2/7/2016	1,612.00	0.20	180.80	1,611.96	10.75	LEAM DRILLING SYSTEMS, INC.	
2/7/2016	1,706.00	0.20	164.90	1,705.96	11.08	LEAM DRILLING SYSTEMS, INC.	
2/7/2016	1,799.00	0.20	106.00	1,798.96	11.36	LEAM DRILLING SYSTEMS, INC.	
2/7/2016	1,864.00	0.10	45.90	1,863.96	11.51	LEAM DRILLING SYSTEMS, INC.	
2/17/2016	1,987.00	0.10	97.50	1,986.96	11.71	LEAM DRILLING SYSTEMS, INC.	
2/17/2016	2,080.00	0.40	113.80	2,079.96	12.11	LEAM DRILLING SYSTEMS, INC.	
2/17/2016	2,174.00	1.10	331.50	2,173.95	12.78	LEAM DRILLING SYSTEMS, INC.	
2/17/2016	2,268.00	1.80	326.00	2,267.92	15.16	LEAM DRILLING SYSTEMS, INC.	
2/17/2016	2,361.00	1.60	326.50	2,360.88	17.92	LEAM DRILLING SYSTEMS, INC.	
2/17/2016	2,455.00	1.50	325.00	2,454.85	20.46	LEAM DRILLING SYSTEMS, INC.	
2/17/2016	2,549.00	1.50	329.70	2,548.81	22.92	LEAM DRILLING SYSTEMS, INC.	
2/17/2016	2,642.00	1.20	332.70	2,641.79	25.11	LEAM DRILLING SYSTEMS, INC.	
2/17/2016	2,736.00	1.10	339.10	2,735.77	26.99	LEAM DRILLING SYSTEMS, INC.	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 28H

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Unwrap Displace (ft)	Survey Company
2/17/2016	2,830.00	2.30	324.80	2,829.73	29.76	LEAM DRILLING SYSTEMS, INC.
2/17/2016	2,924.00	4.80	332.30	2,923.54	35.57	LEAM DRILLING SYSTEMS, INC.
2/17/2016	3,018.00	7.00	336.00	3,017.04	45.23	LEAM DRILLING SYSTEMS, INC.
2/17/2016	3,111.00	9.10	335.20	3,109.11	58.25	LEAM DRILLING SYSTEMS, INC.
2/17/2016	3,205.00	11.20	338.60	3,201.64	74.81	LEAM DRILLING SYSTEMS, INC.
2/17/2016	3,299.00	12.40	338.60	3,293.65	94.03	LEAM DRILLING SYSTEMS, INC.
2/17/2016	3,392.00	12.80	338.00	3,384.41	114.32	LEAM DRILLING SYSTEMS, INC.
2/17/2016	3,486.00	12.80	338.50	3,476.07	135.14	LEAM DRILLING SYSTEMS, INC.
2/17/2016	3,580.00	14.00	338.00	3,567.51	156.93	LEAM DRILLING SYSTEMS, INC.
2/17/2016	3,674.00	14.30	338.10	3,658.66	179.90	LEAM DRILLING SYSTEMS, INC.
2/17/2016	3,768.00	14.10	338.90	3,749.79	202.96	LEAM DRILLING SYSTEMS, INC.
2/17/2016	3,861.00	13.80	339.30	3,840.05	225.38	LEAM DRILLING SYSTEMS, INC.
2/18/2016	3,955.00	13.70	339.80	3,931.35	247.73	LEAM DRILLING SYSTEMS, INC.
2/18/2016	4,049.00	13.70	341.60	4,022.68	269.99	LEAM DRILLING SYSTEMS, INC.
2/18/2016	4,143.00	13.90	338.30	4,113.97	292.40	LEAM DRILLING SYSTEMS, INC.
2/18/2016	4,236.00	14.10	337.40	4,204.20	314.90	LEAM DRILLING SYSTEMS, INC.
2/18/2016	4,330.00	13.70	338.20	4,295.45	337.48	LEAM DRILLING SYSTEMS, INC.
2/18/2016	4,424.00	13.50	339.50	4,386.82	359.58	LEAM DRILLING SYSTEMS, INC.
2/18/2016	4,517.00	13.90	336.00	4,477.17	381.60	LEAM DRILLING SYSTEMS, INC.
2/18/2016	4,611.00	13.70	335.30	4,568.46	404.02	LEAM DRILLING SYSTEMS, INC.
2/18/2016	4,704.00	13.10	336.80	4,658.93	425.57	LEAM DRILLING SYSTEMS, INC.
2/18/2016	4,798.00	12.60	335.30	4,750.57	446.47	LEAM DRILLING SYSTEMS, INC.
2/18/2016	4,892.00	13.50	335.10	4,842.14	467.70	LEAM DRILLING SYSTEMS, INC.
2/18/2016	4,985.00	14.00	337.30	4,932.48	489.80	LEAM DRILLING SYSTEMS, INC.
2/18/2016	5,079.00	13.50	337.60	5,023.78	512.14	LEAM DRILLING SYSTEMS, INC.
2/18/2016	5,173.00	13.30	338.10	5,115.23	533.92	LEAM DRILLING SYSTEMS, INC.
2/18/2016	5,266.00	13.10	338.00	5,205.77	555.16	LEAM DRILLING SYSTEMS, INC.
2/18/2016	5,360.00	12.90	336.70	5,297.36	576.30	LEAM DRILLING SYSTEMS, INC.
2/18/2016	5,453.00	13.00	336.80	5,387.99	597.15	LEAM DRILLING SYSTEMS, INC.
2/18/2016	5,547.00	12.10	340.60	5,479.75	617.56	LEAM DRILLING SYSTEMS, INC.
2/18/2016	5,641.00	11.70	340.60	5,571.73	636.94	LEAM DRILLING SYSTEMS, INC.
2/18/2016	5,735.00	9.80	341.70	5,664.07	654.48	LEAM DRILLING SYSTEMS, INC.
2/18/2016	5,828.00	9.40	342.80	5,755.77	669.98	LEAM DRILLING SYSTEMS, INC.
2/18/2016	5,922.00	8.80	338.30	5,848.59	684.84	LEAM DRILLING SYSTEMS, INC.
2/18/2016	6,016.00	8.10	339.60	5,941.57	698.65	LEAM DRILLING SYSTEMS, INC.
2/18/2016	6,042.00	7.90	340.50	5,967.32	702.27	LEAM DRILLING SYSTEMS, INC.
3/17/2016	6,111.00	7.70	340.10	6,035.68	711.63	LEAM DRILLING SYSTEMS, INC.
3/18/2016	6,205.00	6.10	341.10	6,128.99	722.93	LEAM DRILLING SYSTEMS, INC.
3/18/2016	6,299.00	3.90	348.00	6,222.63	731.10	LEAM DRILLING SYSTEMS, INC.
3/18/2016	6,392.00	1.50	359.90	6,315.52	735.47	LEAM DRILLING SYSTEMS, INC.
3/18/2016	6,486.00	1.00	10.30	6,409.50	737.51	LEAM DRILLING SYSTEMS, INC.
3/18/2016	6,580.00	1.00	9.10	6,503.48	739.15	LEAM DRILLING SYSTEMS, INC.
3/18/2016	6,674.00	0.70	271.00	6,597.48	740.08	LEAM DRILLING SYSTEMS, INC.
3/18/2016	6,767.00	0.70	256.20	6,690.47	741.21	LEAM DRILLING SYSTEMS, INC.
3/18/2016	6,861.00	0.60	252.90	6,784.46	742.27	LEAM DRILLING SYSTEMS, INC.
3/18/2016	6,955.00	0.50	241.60	6,878.46	743.17	LEAM DRILLING SYSTEMS, INC.
3/18/2016	7,049.00	0.40	227.40	6,972.46	743.90	LEAM DRILLING SYSTEMS, INC.
3/18/2016	7,142.00	0.50	223.00	7,065.45	744.63	LEAM DRILLING SYSTEMS, INC.
3/18/2016	7,236.00	0.50	187.10	7,159.45	745.42	LEAM DRILLING SYSTEMS, INC.
3/18/2016	7,330.00	0.50	158.50	7,253.45	746.21	LEAM DRILLING SYSTEMS, INC.
3/18/2016	7,424.00	0.40	165.90	7,347.44	746.95	LEAM DRILLING SYSTEMS, INC.
3/18/2016	7,517.00	0.60	168.00	7,440.44	747.76	LEAM DRILLING SYSTEMS, INC.
3/18/2016	7,611.00	0.60	170.60	7,534.44	748.74	LEAM DRILLING SYSTEMS, INC.
3/18/2016	7,705.00	1.00	202.10	7,628.43	750.01	LEAM DRILLING SYSTEMS, INC.
3/18/2016	7,799.00	1.40	236.40	7,722.41	751.89	LEAM DRILLING SYSTEMS, INC.
3/18/2016	7,892.00	1.10	303.00	7,815.39	753.59	LEAM DRILLING SYSTEMS, INC.
3/18/2016	7,986.00	1.10	316.70	7,909.37	755.38	LEAM DRILLING SYSTEMS, INC.
3/18/2016	8,080.00	1.10	54.60	8,003.36	756.57	LEAM DRILLING SYSTEMS, INC.
3/18/2016	8,173.00	1.90	92.40	8,096.33	758.88	LEAM DRILLING SYSTEMS, INC.

Drilling & Completion Summary - Ascending

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Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Unwrap Displace (ft)	Survey Company
3/18/2016	8,267.00	0.70	91.20	8,190.31	761.02	LEAM DRILLING SYSTEMS, INC.
3/18/2016	8,361.00	0.40	108.00	8,284.30	761.91	LEAM DRILLING SYSTEMS, INC.
3/18/2016	8,455.00	0.80	123.50	8,378.30	762.88	LEAM DRILLING SYSTEMS, INC.
3/18/2016	8,548.00	0.70	137.60	8,471.29	764.09	LEAM DRILLING SYSTEMS, INC.
3/18/2016	8,642.00	1.50	179.10	8,565.27	765.80	LEAM DRILLING SYSTEMS, INC.
3/19/2016	8,736.00	0.90	180.10	8,659.25	767.77	LEAM DRILLING SYSTEMS, INC.
3/19/2016	8,829.00	0.90	186.40	8,752.24	769.22	LEAM DRILLING SYSTEMS, INC.
3/19/2016	8,884.00	0.90	174.10	8,807.23	770.08	LEAM DRILLING SYSTEMS, INC.
3/19/2016	8,947.00	1.30	162.76	8,870.22	771.29	LEAM DRILLING SYSTEMS, INC.
3/19/2016	9,041.00	11.80	150.33	8,963.48	781.97	LEAM DRILLING SYSTEMS, INC.
3/19/2016	9,134.00	21.20	157.19	9,052.56	808.31	LEAM DRILLING SYSTEMS, INC.
3/19/2016	9,228.00	29.80	162.57	9,137.33	848.71	LEAM DRILLING SYSTEMS, INC.
3/19/2016	9,321.00	37.00	157.10	9,214.94	899.82	LEAM DRILLING SYSTEMS, INC.
3/19/2016	9,415.00	44.10	163.31	9,286.35	960.83	LEAM DRILLING SYSTEMS, INC.
3/19/2016	9,509.00	51.00	172.65	9,349.83	1,030.00	LEAM DRILLING SYSTEMS, INC.
3/19/2016	9,603.00	59.60	167.36	9,403.32	1,107.16	LEAM DRILLING SYSTEMS, INC.
3/19/2016	9,697.00	67.20	166.52	9,445.38	1,191.15	LEAM DRILLING SYSTEMS, INC.
3/19/2016	9,790.00	81.50	169.63	9,470.40	1,280.46	LEAM DRILLING SYSTEMS, INC.
3/19/2016	9,884.00	89.00	168.48	9,478.18	1,374.07	LEAM DRILLING SYSTEMS, INC.
3/19/2016	9,978.00	88.10	165.63	9,480.56	1,468.03	LEAM DRILLING SYSTEMS, INC.
3/19/2016	10,072.00	89.20	166.47	9,482.78	1,562.00	LEAM DRILLING SYSTEMS, INC.
3/19/2016	10,166.00	89.80	167.29	9,483.60	1,655.99	LEAM DRILLING SYSTEMS, INC.
3/19/2016	10,259.00	88.90	165.04	9,484.65	1,748.98	LEAM DRILLING SYSTEMS, INC.
3/19/2016	10,353.00	87.80	163.27	9,487.36	1,842.94	LEAM DRILLING SYSTEMS, INC.
3/19/2016	10,447.00	86.70	164.79	9,491.87	1,936.82	LEAM DRILLING SYSTEMS, INC.
3/19/2016	10,541.00	87.30	166.47	9,496.79	2,030.69	LEAM DRILLING SYSTEMS, INC.
3/19/2016	10,634.00	88.10	166.89	9,500.52	2,123.62	LEAM DRILLING SYSTEMS, INC.
3/19/2016	10,728.00	89.10	167.35	9,502.82	2,217.59	LEAM DRILLING SYSTEMS, INC.
3/19/2016	10,822.00	89.10	166.54	9,504.29	2,311.57	LEAM DRILLING SYSTEMS, INC.
3/19/2016	10,916.00	90.00	166.59	9,505.03	2,405.57	LEAM DRILLING SYSTEMS, INC.
3/19/2016	11,010.00	90.80	166.06	9,504.38	2,499.57	LEAM DRILLING SYSTEMS, INC.
3/21/2016	11,103.00	90.20	163.68	9,503.56	2,592.56	LEAM DRILLING SYSTEMS, INC.
3/21/2016	11,197.00	88.50	164.35	9,504.63	2,686.55	LEAM DRILLING SYSTEMS, INC.
3/21/2016	11,291.00	89.20	167.31	9,506.52	2,780.52	LEAM DRILLING SYSTEMS, INC.
3/21/2016	11,384.00	91.00	168.58	9,506.36	2,873.51	LEAM DRILLING SYSTEMS, INC.
3/21/2016	11,478.00	92.00	168.31	9,503.90	2,967.48	LEAM DRILLING SYSTEMS, INC.
3/22/2016	11,572.00	91.40	166.54	9,501.11	3,061.43	LEAM DRILLING SYSTEMS, INC.
3/22/2016	11,665.00	92.10	165.90	9,498.27	3,154.39	LEAM DRILLING SYSTEMS, INC.
3/22/2016	11,759.00	92.40	165.14	9,494.58	3,248.31	LEAM DRILLING SYSTEMS, INC.
3/22/2016	11,853.00	91.30	164.53	9,491.54	3,342.26	LEAM DRILLING SYSTEMS, INC.
3/22/2016	11,947.00	88.70	163.38	9,491.54	3,436.25	LEAM DRILLING SYSTEMS, INC.
3/22/2016	12,041.00	89.80	166.36	9,492.77	3,530.23	LEAM DRILLING SYSTEMS, INC.
3/22/2016	12,134.00	89.80	166.48	9,493.10	3,623.23	LEAM DRILLING SYSTEMS, INC.
3/22/2016	12,228.00	88.80	163.45	9,494.25	3,717.21	LEAM DRILLING SYSTEMS, INC.
3/22/2016	12,322.00	90.00	165.36	9,495.23	3,811.20	LEAM DRILLING SYSTEMS, INC.
3/22/2016	12,416.00	91.50	167.35	9,494.00	3,905.19	LEAM DRILLING SYSTEMS, INC.
3/22/2016	12,509.00	91.30	165.58	9,491.73	3,998.15	LEAM DRILLING SYSTEMS, INC.
3/22/2016	12,603.00	89.50	164.88	9,491.07	4,092.15	LEAM DRILLING SYSTEMS, INC.
3/22/2016	12,697.00	89.20	163.59	9,492.14	4,186.14	LEAM DRILLING SYSTEMS, INC.
3/22/2016	12,791.00	89.80	165.57	9,492.96	4,280.13	LEAM DRILLING SYSTEMS, INC.
3/22/2016	12,884.00	91.10	166.55	9,492.23	4,373.13	LEAM DRILLING SYSTEMS, INC.
3/22/2016	12,978.00	90.90	165.59	9,490.59	4,467.11	LEAM DRILLING SYSTEMS, INC.
3/22/2016	13,072.00	89.30	163.99	9,490.42	4,561.10	LEAM DRILLING SYSTEMS, INC.
3/22/2016	13,166.00	90.50	166.43	9,490.59	4,655.09	LEAM DRILLING SYSTEMS, INC.
3/22/2016	13,260.00	91.90	166.90	9,488.62	4,749.07	LEAM DRILLING SYSTEMS, INC.
3/22/2016	13,353.00	90.90	164.90	9,486.35	4,842.04	LEAM DRILLING SYSTEMS, INC.
3/22/2016	13,447.00	91.40	166.19	9,484.46	4,936.02	LEAM DRILLING SYSTEMS, INC.
3/22/2016	13,541.00	91.10	165.94	9,482.41	5,029.99	LEAM DRILLING SYSTEMS, INC.
3/22/2016	13,634.00	88.40	163.40	9,482.81	5,122.98	LEAM DRILLING SYSTEMS, INC.

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Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Unwrap Displace (ft)	Survey Company
3/22/2016	13,725.00	87.20	162.83	9,486.31	5,213.91	LEAM DRILLING SYSTEMS, INC.
3/22/2016	13,815.00	85.60	163.54	9,491.96	5,303.73	LEAM DRILLING SYSTEMS, INC.
3/23/2016	13,904.00	85.90	166.51	9,498.56	5,392.47	LEAM DRILLING SYSTEMS, INC.
3/23/2016	13,995.00	87.50	168.55	9,503.79	5,483.31	LEAM DRILLING SYSTEMS, INC.
3/23/2016	14,085.00	88.10	168.76	9,507.25	5,573.25	LEAM DRILLING SYSTEMS, INC.
3/23/2016	14,175.00	91.50	169.57	9,507.56	5,663.23	LEAM DRILLING SYSTEMS, INC.
3/23/2016	14,266.00	90.10	166.92	9,506.29	5,754.21	LEAM DRILLING SYSTEMS, INC.
3/23/2016	14,360.00	89.60	168.83	9,506.54	5,848.21	LEAM DRILLING SYSTEMS, INC.
3/23/2016	14,454.00	91.50	171.06	9,505.64	5,942.19	LEAM DRILLING SYSTEMS, INC.
3/23/2016	14,547.00	93.10	170.59	9,501.90	6,035.11	LEAM DRILLING SYSTEMS, INC.
3/23/2016	14,641.00	93.00	167.76	9,496.90	6,128.97	LEAM DRILLING SYSTEMS, INC.
3/23/2016	14,735.00	92.80	166.66	9,492.15	6,222.85	LEAM DRILLING SYSTEMS, INC.
3/23/2016	14,829.00	92.10	165.29	9,488.13	6,316.76	LEAM DRILLING SYSTEMS, INC.
3/23/2016	14,923.00	91.40	163.51	9,485.26	6,410.71	LEAM DRILLING SYSTEMS, INC.
3/23/2016	15,017.00	88.90	163.74	9,485.01	6,504.71	LEAM DRILLING SYSTEMS, INC.
3/23/2016	15,110.00	91.70	166.49	9,484.52	6,597.69	LEAM DRILLING SYSTEMS, INC.
3/23/2016	15,204.00	91.10	166.00	9,482.23	6,691.66	LEAM DRILLING SYSTEMS, INC.
3/23/2016	15,298.00	90.20	164.98	9,481.16	6,785.65	LEAM DRILLING SYSTEMS, INC.
3/23/2016	15,392.00	90.10	165.38	9,480.91	6,879.65	LEAM DRILLING SYSTEMS, INC.
3/23/2016	15,485.00	87.80	162.68	9,482.62	6,972.62	LEAM DRILLING SYSTEMS, INC.
3/23/2016	15,579.00	88.70	164.98	9,485.49	7,066.57	LEAM DRILLING SYSTEMS, INC.
3/25/2016	15,673.00	88.50	165.50	9,487.79	7,160.54	LEAM DRILLING SYSTEMS, INC.
3/25/2016	15,767.00	88.20	165.51	9,490.49	7,254.50	LEAM DRILLING SYSTEMS, INC.
3/25/2016	15,860.00	92.20	166.48	9,490.17	7,347.48	LEAM DRILLING SYSTEMS, INC.
3/25/2016	15,954.00	90.40	164.92	9,488.04	7,441.45	LEAM DRILLING SYSTEMS, INC.
3/25/2016	16,048.00	91.50	166.25	9,486.48	7,535.43	LEAM DRILLING SYSTEMS, INC.
3/25/2016	16,142.00	90.20	164.43	9,485.08	7,629.41	LEAM DRILLING SYSTEMS, INC.
3/25/2016	16,235.00	91.70	166.69	9,483.54	7,722.39	LEAM DRILLING SYSTEMS, INC.
3/25/2016	16,329.00	91.80	166.53	9,480.67	7,816.35	LEAM DRILLING SYSTEMS, INC.
3/25/2016	16,423.00	90.70	166.43	9,478.62	7,910.33	LEAM DRILLING SYSTEMS, INC.
3/25/2016	16,517.00	93.50	168.71	9,475.17	8,004.25	LEAM DRILLING SYSTEMS, INC.
3/25/2016	16,611.00	90.00	165.23	9,472.30	8,098.17	LEAM DRILLING SYSTEMS, INC.
3/25/2016	16,704.00	90.00	165.66	9,472.30	8,191.17	LEAM DRILLING SYSTEMS, INC.
3/25/2016	16,798.00	91.60	166.97	9,470.99	8,285.16	LEAM DRILLING SYSTEMS, INC.
3/25/2016	16,892.00	93.10	168.37	9,467.14	8,379.08	LEAM DRILLING SYSTEMS, INC.
3/25/2016	16,986.00	91.90	168.11	9,463.04	8,472.98	LEAM DRILLING SYSTEMS, INC.
3/25/2016	17,080.00	92.20	169.39	9,459.67	8,566.92	LEAM DRILLING SYSTEMS, INC.
3/25/2016	17,173.00	92.50	169.56	9,455.86	8,659.84	LEAM DRILLING SYSTEMS, INC.
3/25/2016	17,173.00	92.50	169.56	9,455.86	8,659.84	LEAM DRILLING SYSTEMS, INC.
3/25/2016	17,267.00	91.10	166.45	9,452.91	8,753.78	LEAM DRILLING SYSTEMS, INC.
3/25/2016	17,361.00	89.50	163.71	9,452.41	8,847.77	LEAM DRILLING SYSTEMS, INC.
3/25/2016	17,454.00	92.00	165.52	9,451.20	8,940.75	LEAM DRILLING SYSTEMS, INC.
3/25/2016	17,548.00	93.90	165.13	9,446.36	9,034.62	LEAM DRILLING SYSTEMS, INC.
3/25/2016	17,642.00	90.40	164.20	9,442.83	9,128.54	LEAM DRILLING SYSTEMS, INC.
3/25/2016	17,736.00	94.40	165.73	9,438.90	9,222.44	LEAM DRILLING SYSTEMS, INC.
3/25/2016	17,829.00	93.50	164.27	9,432.49	9,315.21	LEAM DRILLING SYSTEMS, INC.
3/25/2016	17,946.00	90.00	163.10	9,428.92	9,432.14	LEAM DRILLING SYSTEMS, INC.
3/25/2016	18,040.00	89.60	165.86	9,429.25	9,526.13	LEAM DRILLING SYSTEMS, INC.
3/25/2016	18,134.00	89.80	166.55	9,429.74	9,620.12	LEAM DRILLING SYSTEMS, INC.
3/25/2016	18,227.00	89.80	165.41	9,430.06	9,713.12	LEAM DRILLING SYSTEMS, INC.
3/25/2016	18,321.00	89.50	165.55	9,430.64	9,807.12	LEAM DRILLING SYSTEMS, INC.
3/25/2016	18,415.00	91.70	165.76	9,429.65	9,901.11	LEAM DRILLING SYSTEMS, INC.
3/25/2016	18,508.00	94.10	166.05	9,424.95	9,993.98	LEAM DRILLING SYSTEMS, INC.
3/25/2016	18,601.00	89.60	165.32	9,421.95	10,086.91	LEAM DRILLING SYSTEMS, INC.
3/25/2016	18,695.00	90.30	164.93	9,422.03	10,180.91	LEAM DRILLING SYSTEMS, INC.
3/25/2016	18,788.00	92.00	166.54	9,420.16	10,273.88	LEAM DRILLING SYSTEMS, INC.
3/25/2016	18,882.00	91.30	166.71	9,417.46	10,367.84	LEAM DRILLING SYSTEMS, INC.
3/25/2016	18,976.00	91.60	165.06	9,415.08	10,461.81	LEAM DRILLING SYSTEMS, INC.
3/25/2016	19,069.00	93.40	164.73	9,411.02	10,554.72	LEAM DRILLING SYSTEMS, INC.

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Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Unwrap Displace (ft)	Survey Company
3/25/2016	19,163.00	93.30	164.98	9,405.53	10,648.56	LEAM DRILLING SYSTEMS, INC.
3/25/2016	19,257.00	90.10	165.34	9,402.74	10,742.50	LEAM DRILLING SYSTEMS, INC.
3/25/2016	19,351.00	89.30	165.23	9,403.23	10,836.50	LEAM DRILLING SYSTEMS, INC.
3/25/2016	19,445.00	89.90	164.99	9,403.89	10,930.50	LEAM DRILLING SYSTEMS, INC.
3/25/2016	19,538.00	90.20	164.24	9,403.81	11,023.50	LEAM DRILLING SYSTEMS, INC.
3/25/2016	19,632.00	90.20	163.79	9,403.48	11,117.50	LEAM DRILLING SYSTEMS, INC.
3/25/2016	19,725.00	91.10	164.88	9,402.42	11,210.49	LEAM DRILLING SYSTEMS, INC.
3/25/2016	19,819.00	92.60	165.19	9,399.39	11,304.44	LEAM DRILLING SYSTEMS, INC.
3/25/2016	19,913.00	91.80	164.83	9,395.78	11,398.37	LEAM DRILLING SYSTEMS, INC.
3/25/2016	20,007.00	91.80	163.89	9,392.83	11,492.32	LEAM DRILLING SYSTEMS, INC.
3/25/2016	20,097.00	92.40	163.05	9,389.53	11,582.26	LEAM DRILLING SYSTEMS, INC.
3/25/2016	20,165.00	92.40	163.05	9,386.68	11,650.20	LEAM DRILLING SYSTEMS, INC.