

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

UNIVERSITY 7-38 30H

API/UWI 42-003-47209-0000	Property Sub 927693-030	Operator PIONEER NATURAL RESRC USA, INC	State TEXAS	County ANDREWS
Field Name SPRABERRY (TREND AREA)	Surface Legal Location 1334' FNL/ 1252' FEL, SEC: 38, BLK: 7, TWP: , SVY: UNIVERSITY LANDS			
Spud Date 12/13/2015	TD Date 1/19/2016	Drilling Rig Release Date 1/22/2016	Frac Date 3/1/2016	On Production Date
Ground Elevation (ft) 2,945.00	Original KB Elevation (ft) 2,974.00	PBTD (All) (ftKB) ORIGINAL - 19,723.9	Total Depth (All) (ftKB) ORIGINAL - 19,820.0	Total Depth All (TVD) (ftKB) ORIGINAL - 9,424.8

Report #: 1 Daily Operation: 12/13/2015 16:00 - 12/14/2015 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 037166
Days From Spud (days) 0	Days on Location (days) 1	End Depth (ftKB) 635.0
End Depth (TVD) (ftKB) 634.9	Dens Last Mud (lb/gal) 8.40	Rig PATTERSON - UTI, 802

Operations Summary

Walked rig to 30H. Spud @ 2330. Drilled to 635.

Remarks

Prev 24 hrs ---- Est: 250' ----- Actual: 515'
Next 24 hrs ---- Est: 1365' (TD)

NPT:

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

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/13/2015 16:00	12/13/2015 18:00	2		SKID	SKID	Walk rig f/7 38 29H to 7 38 30H. Moving matts as we walk rig. Co Rep. verified rig centered over hole. Accept rig @ 18:00
12/13/2015 18:00	12/13/2015 21:00	3		RIG UP	RU	Swap hyd. lines and walk catwalk back in place. Hook up vib. hose and set cap on flowline.
12/13/2015 21:00	12/13/2015 23:30	2.5		P/U BHA	PU_BHA	MU BHA, gap sub, IBS's & bit. Took 30 min to warm battery for EM tool.
12/13/2015 23:30	12/14/2015 02:00	2.5		DRILL	DRL	Spudded @ 2330. Drld Sfc 120' to 351' (231' @ 92 fph); 12% complete, 100% rot, 0% sldg. RR to spud 7.2 hrs (0.3days).
12/14/2015 02:00	12/14/2015 02:45	0.75		TOOH - ELEVATOR	TOOH_E LEV	TOOH to MU 2 stds racked back DC
12/14/2015 02:45	12/14/2015 06:00	3.25		DRILL	DRL	Drld Sfc 120' to 635' (515' @ 90 fph); 27% complete, 100% rot

Report #: 2 Daily Operation: 12/14/2015 06:00 - 12/15/2015 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 037166
Days From Spud (days) 1	Days on Location (days) 2	End Depth (ftKB) 1,997.0
End Depth (TVD) (ftKB) 1,996.6	Dens Last Mud (lb/gal) 8.80	Rig PATTERSON - UTI, 802

Operations Summary

Drilled f/ 635' to 1997' (TD), Circulate hole clean, TOOH, RU & Run Casing to 381'

Remarks

Prev 24 hrs ---- Est: 1365' (TD) run csg ----- Actual: 1,362' TD'd,
Next 24 hrs ---- Est: Land & cement csg, NU & test.

NPT:

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

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/14/2015 06:00	12/14/2015 08:45	2.75		DRILL	DRL	Drilled from 635' - 820' 100% rotating @ 67 fph Dropping 2 soap & sapp sticks every connection
12/14/2015 08:45	12/14/2015 09:45	1		CIRCULATE	CIRC	Clean out cellar due to redbed unloading into cellar. Circulating @ 400 gpm, 10 rpm, working drillstring. while
12/14/2015 09:45	12/14/2015 19:30	9.75		DRILL	DRL	Drilled from 820' - 1997 (1177' @ 147 fph); 100% complete @ 1930 97% rotating @ 130 fph 3% sliding @ 80 fph Dropping 2 soap & sapp sticks every connection
12/14/2015 19:30	12/14/2015 22:00	2.5		CIRCULATE	CIRC	Circulate hi-vis sweep around with 5,500 strokes, 586 gpm, 80 rpm, 1,020 spp while reciprocating DP. Shakers clean throughout.

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Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/14/2015 22:00	12/15/2015 00:00	2		TOOH - ELEVATOR	TOOH_E LEV	TOOH on elevators f/1997 to 193'. Rack back DC's & LD bit.
12/15/2015 00:00	12/15/2015 01:15	1.25		L/D BHA	L/D BHA	Drain MM, break bit, pull & LD all MWD & directional tools
12/15/2015 01:15	12/15/2015 01:30	0.25		SAFETY	SFTY	PJSM w/ Pipe Pros, Patt & PNR over RU, PU & running casing tools
12/15/2015 01:30	12/15/2015 02:00	0.5		RIG UP	RU	RU all csg tools, PU CRT to floor
12/15/2015 02:00	12/15/2015 06:00	4		RUN CSG W/O WASH	CSG_W/OWASH	PU & MU 1 jt shoe track and test float equipment. RIH 13 3/8" 54.5ppf J-55 BTC casing from 45.36' to 381' ***Thread lock all threads in shoe track + casing jt above FC

Report #: 3 Daily Operation: 12/15/2015 06:00 - 12/16/2015 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 037166
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Days From Spud (days) 2	Days on Location (days) 3	End Depth (ftKB) 1,997.0	End Depth (TVD) (ftKB) 1,996.6	Dens Last Mud (lb/gal) 8.80	Rig PATTERSON - UTI, 802
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Operations Summary

Run Casing to 1997', Circulate, Cement, Install wellhead, Nipple up & test.

Remarks

Prev 24 hrs ---- Est: 0' (TD) run csg ----- Actual: 0,
Next 24 hrs ---- Est: 1800'

NPT:

Patterson: Past 24 hr - 0, Total: 0

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

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/15/2015 06:00	12/15/2015 07:00	1		WAIT	WAIT	Rig Repair: Replace 2 hydraulic lines at catwalk that operate the trough. ** LOTO in place **
12/15/2015 07:00	12/15/2015 07:15	0.25		SAFETY	SFTY	PJSM with Patterson rig crew, Casing crew & PNR Rep over running casing - Crew Change.
12/15/2015 07:15	12/15/2015 09:00	1.75		RUN CSG W/O WASH	CSG_W/OWASH	RIH on elevators w/13 3/8" 54.5ppf J-55 BTC casing f/ 381' to 1,000'. MU to diamond, avg torque ~7400 ft/lbs. Top of FC @ 1,995' Top of Shoe @ 1,950'
12/15/2015 09:00	12/15/2015 10:00	1		RUN CSG WITH WASH	CSG_W WASH	Wash casing f/ 1000' to 1,200' with 294 pgm (7 bpm), 5 rpm, 5k Tq, 140 spp. MU to diamond, avg torque ~ 7,400 ft/lbs.
12/15/2015 10:00	12/15/2015 11:00	1		RUN CSG W/O WASH	CSG_W/OWASH	RIH on elevators w/ 13-3/8" Surface Casing f/ 1,200' to 1,997'. MU to diamond, avg torque ~ 7,400 ft/lbs. No issues seen.
12/15/2015 11:00	12/15/2015 12:15	1.25		CIRCULATE	CIRC	Circulate w/ CRT while rigging PipePro's casing tools & equipment down. Circulate w/ 7 bpm (294 gpm), 225 spp. ** Shaker loaded up after bottom's up, continue circulating until shakers clean. ** Rig up Cementers & iron to rig floor.
12/15/2015 12:15	12/15/2015 12:45	0.5		RIG DOWN	RD	Rig down CRT & Rig up Cementing head.
12/15/2015 12:45	12/15/2015 13:00	0.25		SAFETY	SFTY	PJSM with Patterson Rig crew, Schlumberger Cementers, Roustabouts, Mud engineer & PNR Rep over Surface Cementing Operations.
12/15/2015 13:00	12/15/2015 16:00	3		CEMENT	CMT	Cement surface casing as follows: Test lines to 3500psi; Pump 50 bbls Spacer H2O; Pump 396 bbls lead @ 13 ppg YP 1.66; Pump 111 bbls tail @ 13.6 ppg YP 1.66; Displace With 300 BBLS H2O; Bumped plug @ 15:35 hrs on 12/15/15; Last pumping pressure 1300 psi (500 over); Floats held; Bled back 2 bbls. Full returns throughout cement job. ** See Cementing details under Cement Section in report.
12/15/2015 16:00	12/15/2015 17:00	1		RIG DOWN	RD	Rig down cementing head & iron, casing slips & bail extensions. Flush through cellar pumps & remove / rig down cellar pumps from cellar.
12/15/2015 17:00	12/15/2015 17:15	0.25		SAFETY	SFTY	PJSM with Patt, Seaboard, welder & PNR over wellhead installation.

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Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/15/2015 17:15	12/15/2015 19:15	2		WELLHEAD	WH	Rough cut on 13-3/8" casing & LD same. Final cut casing and dress out same. 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. ***Safe Work, Confined Space & Hot Work Permits in Place.***
12/15/2015 19:15	12/15/2015 21:00	1.75		WELLHEAD	WH	Pre-heat wellhead to 300°F, confirm w/ temp stick, weld same. Allow to cool as per well head tech. Test weld to 790 psi and hold for 5 mins, Good Test.
12/15/2015 21:00	12/15/2015 21:15	0.25		SAFETY	SFTY	PJSM with Edge, Patt & PNR over NU & testing BOP's
12/15/2015 21:15	12/16/2015 02:00	4.75		N/U BOPE	NU_BOP E	NU BOP's. RU choke lines, hydraulic lines, air lines, fill lines, etc. Function test Rotating head clamp, Orbit valve & BOP. - Good.
12/16/2015 02:00	12/16/2015 05:00	3		N/U BOPE	NU_BOP E	Test Choke manifold 250 low 5000 high. Install test plug. Test blind rams, pipe rams, hcr and all valves 250 low 5000 high. * Test casing 1000 psi for 30 min - Good.
12/16/2015 05:00	12/16/2015 06:00	1		N/U BOPE	NU_BOP E	M/U flowline, center stack and install wear bushing.

Report #: 4 Daily Operation: 12/16/2015 06:00 - 12/17/2015 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 037166
Days From Spud (days) 3	Days on Location (days) 4	End Depth (ftKB) 3,611.0	End Depth (TVD) (ftKB) 3,610.0	Dens Last Mud (lb/gal) 8.70	Rig PATTERSON - UTI, 802	

Operations Summary

MU BHA, TIH, Drill 12 1/4" Intermediate Section F/1997' to 3,611'

Remarks

Prev 24 hrs ---- Est: 1,800' ---- Actual: 1,614'
Next 24 hrs ---- Est: 1,900'

NPT:

Patterson: Past 24 hr - 0, Total: 1
3rd Party: Past 24 hr - 0, Total: 0

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/16/2015 06:00	12/16/2015 07:00	1		WELLHEAD	WH	P/U wear bushing running tool and M/U long wear bushing. Install wear bushing. Tighten down lock pins. L/D wear bushing running tool. ** Confined space permit in place.
12/16/2015 07:00	12/16/2015 07:30	0.5		SAFETY	SFTY	PJSM with Patterson rig crew, Leam directional & PNR rep over BHA handling.
12/16/2015 07:30	12/16/2015 09:30	2		P/U BHA	PU_BHA	Directional work: Pick up directional tools, function test survey tool, scribe mud motor, M/U Bit, TIH w/ BHA.
12/16/2015 09:30	12/16/2015 11:30	2		TIH - ELEVATOR	TIH_ELEV	TIH on elevators f/ 474' to 1,207'. (3 Jts of HWDP, Jars, 17 Jts HWDP followed by DP)
12/16/2015 11:30	12/16/2015 12:00	0.5		N/U BOPE	NU_BOP E	Install rotating head.
12/16/2015 12:00	12/16/2015 12:45	0.75		TIH - ELEVATOR	TIH_ELEV	TIH on elevators F/1,207' 1,944'.
12/16/2015 12:45	12/16/2015 13:45	1		DRILL OUT	DRL_OUT	Tag Cement @ 1,944', Drill out Cement & Float Equip. F/1,944' to 1,997'. Top of Float Collar @ 1,950' Top of Shoe @ 1,995'
12/16/2015 13:45	12/16/2015 17:30	3.75		DRILL	DRL	Drld Int 1997' to 2331'; 100% rot @ 118 fph MW- 8.6 w/ 26 vis. Full returns to surface.
12/16/2015 17:30	12/16/2015 18:00	0.5		PLANNED RIG SERVICE	RIG_SVC	Rig Service: Lubricate rig, draw works, top drive, ST80 & blocks.

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Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/16/2015 18:00	12/17/2015 06:00	12		DRILL	DRL	<p>Drd Int 2,331' - 3,611', 91% Rot. & 9% Slide @ 101 fph, MW 8.7 W/39 Vis. Full returns to surface.</p> <p>Drilled W/slightly reduced parameters F/3,362' - 3,455' while displacing to Gel Mud</p> <p>Actual displacement = 6,400 stks Total calculated displacement = 4,753 stks Excess displacement = 1,647 stks Calculated in gauge open hole = 1,629 stks</p> <p>1,647 / 1,629 = 101% washout of open hole annulus.</p> <p>Started Int @ 1345 hrs 12/16/15. Drld Int 1997' to 3611' (1614' @ 101 fph); 40% complete, 91% rot, 9% sldg. 2' right and 55' high in relation to plan #2. MW-8.7 w/ 39 vis. CBHT-64°F.</p>

Report #: 5 Daily Operation: 12/17/2015 06:00 - 12/18/2015 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 037166
Days From Spud (days) 4	Days on Location (days) 5	End Depth (ftKB) 5,141.0	End Depth (TVD) (ftKB) 5,100.2	Dens Last Mud (lb/gal) 9.85	Rig PATTERSON - UTI, 802	

Operations Summary

Drill 12 1/4" Intermediate Section F/ 3,611' to 5,141'

Remarks

Prev 24 hrs ---- Est: 1,900' ---- Actual:1,530'
Next 24 hrs ---- Est: 869', Circ. Hole Clean, TOOH, Trip Check DC's,

NPT:

Patterson: Past 24 hr - 0, Total: 1
3rd Party: Past 24 hr - 0, Total: 0

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/17/2015 06:00	12/17/2015 08:45	2.75		DRILL	DRL	<p>Drd Int F/3,611' to 3,762', 64% Rot. & 36% Slide @ 55 fph, MW 9.3 W/39 Vis. Full returns to surface.</p> <p>Lithology: 3,620' - 50%RSH,30%ANH,20%SD 3,650' - 40%RSH,30%ANH,30%SD 3,740' - 40%RSH, 20%GYF,20%ANH,20%SD</p> <p>** Pioneer Corp Security on location performing contraband search @ 08:30 hrs - All Good.</p>
12/17/2015 08:45	12/17/2015 09:15	0.5		PLANNED RIG SERVICE	RIG_SVC	Rig Service
12/17/2015 09:15	12/17/2015 13:00	3.75		DRILL	DRL	<p>Drd Int F/3,762' to 4042', 73% Rot. 27% Slide @ 74.7 fph, MW 9. W/39 Vis. Full returns to surface.</p> <p>Lithology: 3,800' - 60%RSH, 30%ANH,10%SD</p>
12/17/2015 13:00	12/17/2015 14:00	1		CIRCULATE	CIRC	<p>Circulate while replacing liner gasket on #1 MP.</p> <p>** Safety tailgate meeting with McClatchy forklift driver, truck drivers, Del's Inspection crew & PNR Rep over offloading, cleaning, drifting & tallying 9-5/8" Intermediate Casing. Drift confirmed - 8.75".</p>

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Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/17/2015 14:00	12/18/2015 06:00	16		DRILL	DRL	<p>Drd Int F/4,042' to 5,141' , 94% Rot, 6% Slide @ 69 fph, MW 10.0 W/40 Vis. Full returns to surface.</p> <p>Lithology: 4,053' - 70% RSH, 20% ANH, 10%SD 4,080' - 50% ANH, 30% RSH, 10%LS, 10%SD 4,200' - 40% ANH, 40% RSH, 10%LS, 10%SD 4,540' - 40% LS, 20% SD, 10% RSH, 10% ANH 4,670' - 40% SD, 30% LS, 30% SH 4,710' - 40% SD, 40% LS, 20% SH 4,820' - 80% LS, 10% SH, 10% SD 4,910' - 80% LS, 10% SH, 10% SD</p> <p>Mud Logger called top of San Andres @ 4,526' MD, 4,505' TVD, 42' Low to Prog</p> <p>** SPR @ 4,109' ** BOP drill ~ reaction time 75 seconds.</p> <p>Drd Int 3611' to 5141' (1530' @ 68 fph); 79% complete, 79% rot, 21% sldg. 4' right and 82' high in relation to plan #2. MW- 10 w/ 40 vis. CBHT-115°F, 80% limestone, 20% sandy shale.</p>

Report #: 6 Daily Operation: 12/18/2015 06:00 - 12/19/2015 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 037166
Days From Spud (days) 5	Days on Location (days) 6	End Depth (ftKB) 5,608.0	End Depth (TVD) (ftKB) 5,551.9	Dens Last Mud (lb/gal) 10.55	Rig PATTERSON - UTI, 802	

Operations Summary

Drill 12 1/4" Intermediate Section F/ 5,141' to 5,608', Rig Serv, Flow Check, Circ. & Incr. MW, TOO H To Repair TDS, Rig Repair

Remarks

Prev 24 hrs ---- Est: 869' ---- Actual: 467'

Next 24 hrs ---- Est: Change out traction motor, TIH, TD Intermediate Section, Circ Well Clean, TOO H

NPT:

Patterson: Past 24 hr - 15.75, Total: 16.75

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

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/18/2015 06:00	12/18/2015 10:00	4		DRILL	DRL	<p>Drd Int F/5,141' to 5,516', 100% Rot. & 0% Slide @ 94 fph, MW 10.25 W/36 Vis. Full returns to surface.</p> <p>Lithology: 5,200' - 90%LS, 10%SH 5,260' - 70%LS, 20%SD, 10%SH 5,320' - 60%LS, 30%SD, 10%SH 5,380' - 50%SD, 40%LS, 10%SH 5,513' - 60%LS, 20%SH, 20%SD</p>
12/18/2015 10:00	12/18/2015 11:00	1		CIRCULATE	CIRC	Circulate while changing out swab & liner in #2MP, middle module.
12/18/2015 11:00	12/18/2015 13:45	2.75		DRILL	DRL	<p>Drd f/ 5,516' to 5,608', 100% Rot, 0% Slide @ 35 fph, MW 10.3 W/37 Vis. Full returns to surface.</p> <p>Lithology: 5,550' - 60%LS, 20%SH, 20%SD 5,580' - 70%LS, 20%SH, 10%SD</p> <p>Drd Int 5141' to 5608' (467' @ 69 fph); 90% complete, 100% rot, 0% sldg. 0.7' left and 79.5' high in relation to plan #2. MW- 10.5 w/ 34 vis. Gamma-n/a°, CBHT-120°F, 80% limestone, 20% sandy shale.</p>
12/18/2015 13:45	12/18/2015 14:15	0.5		DRILL	DRL	Rig Service: Lubricate rig, top drive, crown & ST80.

Drilling & Completion Summary - Ascending

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Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/18/2015 14:15	12/18/2015 16:00	1.75		RIG REPAIR	RIG_RPR	Attempted to get back to drilling when top drive threw fault. Trouble shoot fault while waiting on electrician to arrive on location. Torque not reading correctly. Electrician found encoder belt broken due to excessive play in traction motor main drive shaft. ** Notified superintendent & engineer, decision was made to TOO H to shoe & replace traction motor.
12/18/2015 16:00	12/18/2015 16:30	0.5		FLOW CHECK	FLOW_C HK	Flow check. Well flowing at 1/2 bpm.
12/18/2015 16:30	12/18/2015 19:15	2.75		WELL CONTROL	WELL_C TRL	Circulate while raising mw from 10.3 to 10.5 to control flow. Taking mw in/out every 15 minutes.
12/18/2015 19:15	12/18/2015 19:45	0.5		FLOW CHECK	FLOW_C HK	Flow check. Well Static.
12/18/2015 19:45	12/18/2015 20:45	1		WELL CONTROL	WELL_C TRL	Build 80 bbl mud 2# over (12.5 ppg) transfer 40 bbl to trip tank, pump slug.
12/18/2015 20:45	12/18/2015 22:30	1.75		TOOH - ELEVATOR	TOOH_E LEV	TOOH on elevators F/5,608' - 1,957' on trip tank to replace traction motor on TDS. Hole taking proper fill, with no abnormal drag observed.
12/18/2015 22:30	12/18/2015 23:00	0.5		WELL CONTROL	WELL_C TRL	Install circulating swedge in DP, rig up chickens wing & bails to standpipe. Secure well to monitor SICP on Pason while repairs are made to TDS.
12/18/2015 23:00	12/18/2015 23:30	0.5		SAFETY	SFTY	PJSM W/Patterson rig crew, Rig Manager, PNR Co. Man & NOV personnel on making repairs to TDS, (replacing traction motor).
12/18/2015 23:30	12/19/2015 06:00	6.5		RIG REPAIR	RIG_RPR	Patterson rig crew & NOV personnel making repairs to TDS. (replacing traction motor). Well secured, monitoring SICP on Pason. SICP @ report time = 0

Report #: 7 Daily Operation: 12/19/2015 06:00 - 12/20/2015 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 037166
Days From Spud (days) 6	Days on Location (days) 7	End Depth (ftKB) 5,608.0	End Depth (TVD) (ftKB) 5,551.9	Dens Last Mud (lb/gal) 10.55	Rig PATTERSON - UTI, 802	

Operations Summary

Rig Repair, TOOH F/MWD Batteries, C/O MWD & Motor, TIH W/DC's To 477'

Remarks

Prev 24 hrs ---- Est: 402' ---- Actual: 0'

Next 24 hrs ---- Est: TIH, Drill 420' Intermediate to TD, Circ. TOOH, Inspect DC's, L/D BHA, Pull Wear Bushing, R/U Casing Crew & M/U Shoe Track

NPT:

Patterson: Past 24 hr - 24, Total: 40.75

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

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/19/2015 06:00	12/19/2015 09:30	3.5		RIG REPAIR	RIG_RPR	Patterson rig crew & NOV personnel making repairs to TDS. Continue removing valve body plate & valve body on ODS traction motor. Unbolt traction motor, secure & remove from TDS. Lay down old motor. **Well secured, monitoring SICP on Pason. SICP = 0
12/19/2015 09:30	12/19/2015 23:30	14		RIG REPAIR	RIG_RPR	PU new traction motor w/ NOV tech & set in place on TDS. Begin installation of new traction motor & reinstall valve body plate & valve body. Wire traction motor W/STC tech. Test traction motor. Re-engage traveling blocks with TDS. ** Well secured, monitoring SICP on Pason. SICP = 0. **MWD hand notified Co. Rep that EM Tool batteries had expired @ 20:00 hrs, contacted Engr. & notified that we would trip out when repairs completed.
12/19/2015 23:30	12/20/2015 00:00	0.5		CIRCULATE	CIRC	R/D Circ. Swedge & Iron, Screw in W/TDS & Pump Slug
12/20/2015 00:00	12/20/2015 02:00	2		TOOH - ELEVATOR	TOOH_E LEV	TOOH on elevators F/1,957' - BHA F/EM Tool batteries on trip tank, Pulled rotating head @ HWDP, racking back HWDP & DC's. Hole taking proper fill.

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Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/20/2015 02:00	12/20/2015 03:45	1.75		L/D BHA	L/D BHA	Pull BHA, L/D Stabilizer, Drain Motor, Break Bit, L/D Motor, Motor had excessive bearing play. ** Bit Grade: 0/1/BT/G/X/0/NO/RIG
12/20/2015 03:45	12/20/2015 05:00	1.25		P/U BHA	PU_BHA	P/U Motor, Inspect & M/U Bit, M/U Stabilizer, Scribe & C/O EM Tool, Surface test MWD.
12/20/2015 05:00	12/20/2015 06:00	1		TIH - ELEVATOR	TIH_ELE V	TIH on elevators W/Dir Tools, 8" & 6" DC's, on trip tank, hole displacing properly.

Report #: 8 Daily Operation: 12/20/2015 06:00 - 12/21/2015 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 037166
Days From Spud (days) 7	Days on Location (days) 8	End Depth (ftKB) 6,010.0
	End Depth (TVD) (ftKB) 5,942.5	Dens Last Mud (lb/gal) 10.55
		Rig PATTERSON - UTI, 802

Operations Summary

TIH, Drill to 6,010', Circulate, TOO, Trip Check DC's, L/D Dir. Tools, Pull Wear Bushing

Remarks

Prev 24 hrs ---- Est: 402' ---- Actual: 402'

Next 24 hrs ---- Est: 0'; Run 9 5/8" Intermediate Casing, Circ. & Cement Casing, Set Pack Off

NPT:

Patterson: Past 24 hr - 4, Total: 43.75

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

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/20/2015 06:00	12/20/2015 09:30	3.5		TIH - ELEVATOR	TIH_ELE V	TIH on elevators f/ 477' to 5,516'. Hole displacing properly into trip tanks.
12/20/2015 09:30	12/20/2015 10:00	0.5		TIH - NON-ELEVATOR	TIH_NON ELEV	Wash last stand down f/ 5,516' to 5,608'.
12/20/2015 10:00	12/20/2015 17:15	7.25		DRILL	DRL	Drl Int F/5,608' to 6,010', 65% Rot & 35% Slide @ 55 fph, MW 10.55 W/38 Vis. PH - 10. Full returns to surface. Lithology: 5,620' - 70%LS, 20%SH, 10%SD 5,650' - 60%LS, 20%SH, 20%SD 5,710' - 80%LS, 10%SH, 10%SD 5,740' - 60%LS, 30%SH, 10%SD 5,800' - 40%SD, 30%SH, 30%LS 5,880' - 40%SH, 30%LS, 30%SD 5,910' - 50%SH, 30%LS, 20%SD 5,932' - 40%SH, 30%LS, 30%SD ** Mud Logger called top of San Andres SH @ 5,800' MD, 5,737' TVD, 11' Low to prog. Intermediate Section 100% complete @ 1715 hrs 12/20/159' left and 76' high in relation to plan #2. MW-10.55 w/ 38 vis., CBHT-122°F.
12/20/2015 17:15	12/20/2015 19:30	2.25		CIRCULATE	CIRC	Circulating @ GPM:754, SPP:2,750 RPM:30, MMRPM:120, Full Returns. Pump (2) 40 bbl hi-vis. (75) 10#/bbl LCM (5 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. Mud: YP - 8, Filtrate - 16. MW In/Out 10.6, Vis 38, PH 10 Actual sweep to surface = 11,400 stks Total calculated strokes = 8,385 stks Excess strokes = 3,015 stks Calculated in gauge open hole = 4,749 stks 3,015 / 4,749 = 64% washout of open hole annulus ** Called SLB W/Non Confirm @ 18:30 12/20/15
12/20/2015 19:30	12/20/2015 20:15	0.75		FLOW CHECK	FLOW_C HK	Perform Flow Check, Well Static. Pump Slug

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/20/2015 20:15	12/21/2015 00:00	3.75		TOOH - ELEVATOR	TOOH_E LEV	TOOH on elevators F/6,010' - 477' on trip tank to run casing. Hole taking proper fill, with no abnormal drag observed. ** Retrieved Corrosion Ring F/DP ** Pulled rotating head & installed trip nipple **Laid down jars, replace with 1 Jt. HWDP
12/21/2015 00:00	12/21/2015 03:30	3.5		TOOH - ELEVATOR	TOOH_E LEV	PJSM & Trip Check 3 - X.O. Subs, 6 - 6.5" DC's & 6 - 8" DC's. Filling hole with trip tank, hole taking proper fill. **Found damaged threads on pin of LEAM's 4 1/2 IF Box x 6 5/8 Reg Pin X.O. Sub (used on surface hole, have a back-up here and getting another).
12/21/2015 03:30	12/21/2015 05:00	1.5		L/D BHA	L/D BHA	PJSM & L/D Dir. Tools, Pony NMDC, EM Tool, Gap Sub, 8" NMDC, Pony NMDC, 11 3/4" IBS Stabilizer, Mud Motor & Bit **Bit Graded: 1/1/BT/G/X/0/NO/TD
12/21/2015 05:00	12/21/2015 06:00	1		WELLHEAD	WH	PJSM & Pull long wear bushing, Clean and organize rig floor. **Confined Space Permit on file for cellar entry.

Report #: 9 Daily Operation: 12/21/2015 06:00 - 12/22/2015 06:00

Job Category ORIG DRILLING				Primary Job Type ODR		AFE Number 037166	
Days From Spud (days) 8	Days on Location (days) 9	End Depth (ftKB) 6,010.0	End Depth (TVD) (ftKB) 5,942.5	Dens Last Mud (lb/gal) 10.70	Rig PATTERSON - UTI, 802		

Operations Summary

R/U & Run Csg, Circ & Cmt Csg, Set Pack Off, N/D BOPE

Remarks

Prev 24 hrs ---- Est: 0'; Run 9 5/8 Intermediate Casing, Circulate and Cement Casing, Set Pack Off
Next 24 hrs ---- Est: 0',

NPT: Patterson; Past 24 hr - 0; Total 43.75

Third Party: Past 24 hr - 4; Total 4

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/21/2015 06:00	12/21/2015 06:15	0.25		SAFETY	SFTY	PJSM w/Patterson Rig Crew, Pipe Pro's Casing Crew, and Pioneer Rep over Rigging Up Casing Running Tools and Running 9 5/8" 40# BTC Intermediate Casing.
12/21/2015 06:15	12/21/2015 07:45	1.5		RIG UP	RU	R/U Casing Running Tools and equipment.
12/21/2015 07:45	12/21/2015 09:15	1.5		RUN CSG WITH WASH	CSG_W WASH	P/U and M/U 2 Joint Shoe Track Consisting of 9 5/8" L-80 BTC, L-80 Single Valve, down jet Elliptical float shoe, 2 jts of 9-5/8" Casing, Conventional Float Collar. Thread Lock All Connections Including Top of Float Collar. Pick up 1 jt of casing & RU CRT. Test Floats - Good. ** Avg ID of 10 jts - 8.9063" ** Casing Collars OD - 10.6875" ** Casing Elevators ID - 9.875"
12/21/2015 09:15	12/21/2015 16:30	7.25		RUN CSG W/O WASH	CSG_W/ OWASH	RIH w/ 9-5/8" 40# L-80 BTC Csg f/ 91' to 5,965'. monitoring returns on trip tanks, hole displacing properly. Filling every 30 jts. Break circulation at 2,000'.
12/21/2015 16:30	12/21/2015 17:00	0.5		RUN CSG W/O WASH	CSG_W/ OWASH	P/U & M/U Hanger and landing joint, land casing in wellhead W/Seaboard Rep. & PNR Rep on rig floor. **Shoe Depth: 6,000' **Float Collar Depth: 5,909'
12/21/2015 17:00	12/21/2015 18:00	1		CIRCULATE	CIRC	R/U Swedge & circulating iron, Circulate @ 6 bpm, 200 psi, while R/D Pipe Pros casing crew and waiting on Schlumberger. Full returns to surface.
12/21/2015 18:00	12/21/2015 18:30	0.5		PLANNED RIG SERVICE	RIG_SVC	Rig Service

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/21/2015 18:30	12/21/2015 22:30	4		CIRCULATE	CIRC	Cont. Circulating @ 6 bpm, 200 psi while waiting on SLB cementers. Full returns to surface. SLB pump truck on loc @ 20:30, PJSM over R/U cementers, R/U cement lines & standpipe to rig floor while circulating. SLB Bulk truck on loc @ 20:50 **Rec'd e-mail @ 13:28 hrs F/Engineer notifying us of +/- 3 hour delays for SLB cementers.
12/21/2015 22:30	12/21/2015 23:00	0.5		SAFETY	SFTY	PJSM W/Schlumberger, Patterson Rig Crew & PNR Reps over cementing 9 5/8" intermediate casing. Install Non-rotating plug in cement head W/tattletail, PNR Rep witnessed. M/U Cement head & lines.
12/21/2015 23:00	12/22/2015 02:15	3.25		CEMENT	CMT	Pump cement as follows: Pump 20 bbls to flush lines to reserve; PSI test to 4500 psi; Pump 70 bbls visc water @ 8.3 ppg; Pump 70 bbls MPE @ 10.0 ppg; Pump 284 bbls (727 sks) Lead cement mixed @ 11.5 ppg, Yield 2.19 ft³/sk W/1.5 lb/bbl CemNET; Pump 76 bbls (399 sks) Tail Cement mixed @ 16.4 ppg Yield 1.07 ft³/sk; Drop plug; Displace with 448 bbls 8.3 ppg H2O. Dropped Plug @ 01:03 hrs, 12/22/2015, PNR Rep witnessed. Lift pressures on displacement: 50 bbl, 8.4 bpm, 337 psi., 100 bbl, 8.4 bpm, 340 psi., 150 bbl, 8.4 bpm, 355 psi., 200 bbl, 8.3 bpm, 446 psi., 250 bbl, 7.2 bpm, 462 psi., 300 bbl, 7.2 bpm, 584 psi., 350 bbl, 6.0 bpm, 623 psi., 400 bbl, 6.0 bpm, 938 psi., 440 bbl, 2.9 bpm, 1,027 psi. Final lift 1,035 psi. Bumped plug @ 02:10 hrs, 12/22/2015; with 1,596 psi, 561 psi over final lift pressure of 1,035 psi., held 5 minutes. Bled back 3 bbls, Floats Held Full returns throughout job.
12/22/2015 02:15	12/22/2015 03:15	1		CEMENT	CMT	Flush through BOP & flowline, R/D Cementers
12/22/2015 03:15	12/22/2015 04:30	1.25		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.
12/22/2015 04:30	12/22/2015 05:45	1.25		N/D BOPE	ND_BOP E	Break flowline from stack, remove fill up line, remove koomey lines, air lines to orbit valve & rotating head, pull mousehole.
12/22/2015 05:45	12/22/2015 06:00	0.25		RIG DOWN	RD	Rig down casing elevators & bail extensions
Report #: 10 Daily Operation: 12/22/2015 06:00 - 12/22/2015 10:30						
Job Category ORIG DRILLING				Primary Job Type ODR		AFE Number 037166
Days From Spud (days) 8	Days on Location (days) 9	End Depth (ftKB) 6,010.0	End Depth (TVD) (ftKB) 5,942.5	Dens Last Mud (lb/gal) 10.70	Rig PATTERSON - UTI, 802	
Operations Summary ND BOP's, install & test night cap. Walk to University 7-38 #31H						
Remarks Release Rig to University 7-38 #31H						

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/22/2015 06:00	12/22/2015 08:45	2.75		N/D BOPE	ND_BOP E	R/D koomey lines from hydril & rams, break bolts on BOPs, Attach BOP Wrangler to stack R/D turn buckles, break flow line, break DSA & Spool. Lift stack & L/D same. ** Confined space entry permit in place.
12/22/2015 08:45	12/22/2015 09:00	0.25		SAFETY	SFTY	PJSM with Patterson rig crew, Edge nipple up crew, Seaboard rep & PNR rep over installing abandonment cap.
12/22/2015 09:00	12/22/2015 10:30	1.5		N/U BOPE	NU_BOP E	Install abandonment cap & test to 500 psi for 15 min - Good. ** Prepare rig for skid to University 7-38 #31H *** Released rig f/University 7-38 #30H @ 10:30 hrs on 12/22/15.

Report #: 11 Daily Operation: 1/9/2016 09:30 - 1/10/2016 06:00

Job Category	Primary Job Type				AFE Number
ORIG DRILLING	ODR				037166
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
27	10	6,010.0	5,942.5	10.70	PATTERSON - UTI, 802

Operations Summary

Skid rig, N/U BOPE & Test, Wear Bushing, P/U BHA, TIH, Slip & Cut Drill line, Drill Cement & Float Equip

Remarks

rev 24 hrs ---- Est: 0' ----- Actual:0

Next 24 hrs ---- Est: 2000'

NPT For January:

Patterson; Past 24 hr - 0; Total 0

Third Party: Past 24 hr - 0; Total 0.75

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/9/2016 09:30	1/9/2016 10:00	0.5		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.
1/9/2016 10:00	1/9/2016 12:00	2		SKID	SKID	Walk rig F/University 7-38 #31H to the University 7-38 #30H adjusting matting boards, setting HPU skid and center over hole.
1/9/2016 12:00	1/9/2016 12:15	0.25		SAFETY	SFTY	PJSM with Edge Nipple up crew, Patterson rig crew & PNR CM over N/U BOPE.
1/9/2016 12:15	1/9/2016 14:45	2.5		N/U BOPE	NU_BOP E	Set Test plug in wellhead, N/U BOPE. Torque up bolts, Install turn buckles, MU flow line. Install koomey lines to hydril. Walk cat walk in place. **Confined space permit in place**
1/9/2016 14:45	1/9/2016 15:00	0.25		SAFETY	SFTY	PJSM with Patterson rig crew, Edge Specialty Testers & PNR CM on testing BOPE.
1/9/2016 15:00	1/9/2016 21:00	6		TEST BOPE	TEST_B OPE	Test BOPE, HCR valve, top and bottom rams, blind rams, kill line valves, 250 low/5,000 high/5 min. Test hydril 250 low/3,500 high/5 min. Test floor valves, top drive valves 250 low/5,000 high/5 min. Test mud lines back to pumps 250 low/5,000 high/5 min. Good Test. ***Choke manifold was tested off line, prior to skid*** ***Perform Accumulator Drawdown Test***
1/9/2016 21:00	1/9/2016 21:30	0.5		CSG TEST	CSG_TE ST	Test 9-5/8" Casing to 2500 psi for 30 min w/ testers - Good test.
1/9/2016 21:30	1/9/2016 22:00	0.5		RIG DOWN	RD	Rig Down BOP Test Equipment, Install Mousehole
1/9/2016 22:00	1/9/2016 22:15	0.25		SAFETY	SFTY	PJSM with Patterson rig crew & PNR Rep over installing wear bushing.
1/9/2016 22:15	1/9/2016 22:45	0.5		WELLHEAD	WH	PU wear bushing running tool and MU wear bushing. Install short wear bushing. Tighten down lock pins. LD wear bushing running tool. **Confined space permit in place**
1/9/2016 22:45	1/9/2016 23:00	0.25		SAFETY	SFTY	PJSM W/Patterson Rig Crew, LEAM DD & PNR Rep over BHA handling.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/9/2016 23:00	1/10/2016 00:30	1.5		P/U BHA	PU_BHA	P/U Dir. Tools, Motor, Float sub, IBS Stab., UBHO Sub, NMDC, Scribe & Install MWD, P/U Top NMDC, Surface Test Motor & MWD - Good. MU bit. * BHA Length = 106.37' * ** 18:25 hours from plug down to PU BHA. (Full BOP test)
1/10/2016 00:30	1/10/2016 03:00	2.5		TIH - ELEVATOR	TIH_ELEV	TIH to 5,424' full returns.
1/10/2016 03:00	1/10/2016 04:00	1		SLIP & CUT	SLIP_CUT	PJSM & Slip and cut drlg line.
1/10/2016 04:00	1/10/2016 04:15	0.25		N/U BOPE	NU_BOP E	Pull trip nipple & install new rotating head.
1/10/2016 04:15	1/10/2016 04:30	0.25		TIH - ELEVATOR	TIH_ELEV	TIH f/ 5424' to 5907' . Tagged Cmt at 5907'.
1/10/2016 04:30	1/10/2016 06:00	1.5		DRILL OUT	DRL_OUT	Drill Cmt & Float equipment f/ 5,907' to 6,000' - 350 GPM, 25-45 RPM, WOB 5-55k Tq 3k. Float collar @ 5,909' Shoe @ 6,000' * Displacing well w/OBM while drilling out shoe track *

Report #: 12 Daily Operation: 1/10/2016 06:00 - 1/11/2016 06:00

Job Category	Primary Job Type	AFE Number
ORIG DRILLING	ODR	037166

Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
28	11	8,000.0	7,858.7	8.35	PATTERSON - UTI, 802

Operations Summary

FIT, Drill 8.75" Prod Vert f/6,020' to 8,000'

Remarks

rev 24 hrs ---- Est: 2000' ----- Actual:1980
Next 24 hrs ---- Est: 1048'

NPT For January:

Patterson; Past 24 hr - 0; Total 0

Third Party: Past 24 hr - 0; Total 0.75

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/10/2016 06:00	1/10/2016 07:00	1		DRILL OUT	DRL_OUT	Cont. Drill Float equipment f/6,000' to 6,010' + 10' of new formation to 6,020' - 350 GPM, 25-45 RPM, WOB 5-55k Tq 3k. Full returns to surface. Mw in/out 8.5 ppg. Float collar @ 5,909' Shoe @ 6,000'
1/10/2016 07:00	1/10/2016 07:15	0.25		FIT / LOT	FIT/LOT	Test formation to 9.92 ppg EMW. Applied 440 psi with no absorbtion. TVD @ shoe 5,942', hydrostatic pressure at shoe w/8.5 ppg mud wt. 2,626 psi.
1/10/2016 07:15	1/10/2016 16:15	9		DRILL	DRL	Rotate & Slide drilling as needed from 6,020' to 7,028'; 86% rot, 14% slide @ 112 fph MW- 8.4 w/ 56 vis. Full returns to surface. Lithology: 6,040' - 40%LS, 30%SH, 30%SD 6,080' - 50%LS, 30%SH, 20%SD 6,140' - 70%SH, 20%LS, 10%SD 6,260' - 40%LS, 30%SH, 30%SD 6,740' - 40%SD, 30%LS, 30%SH 6,800' - 40%LS, 40%SH, 20%SD 6,860' - 70%LS, 30%SH 6,950' - 80%LS, 20%SH ** SPR's - 7,018' ** Clearfork @ 6,808' MD / 6,704' TVD - 3' low from Drlg prog.
1/10/2016 16:15	1/10/2016 16:45	0.5		PLANNED RIG SERVICE	RIG_SVC	Service Rig. Grease from crown to ground.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/10/2016 16:45	1/11/2016 06:00	13.2 5		DRILL	DRL	Rotate & Slide drilling as needed from 7,028' to 8000'; 46% rot, 54% slide @ 78 fph MW- 8.3 w/ 56 vis. Full returns to surface. Lithology 7,220' - 50%SH, 50%LS 7,310' - 50%SH, 50%LS 7,340' - 40%SH, 60%LS 7,370' - 50%SH, 50%LS 7,400' - 30%SH, 70%LS 7,430' - 40%SH, 60%LS 7,460' - 30%SH, 70%LS 7,580' - 50%SH, 50%LS 7,610' - 60%SH, 40%LS 7,670' - 60%SH, 40%LS Last Survey: 90' Ahead, 3.2' Right of Plan #2 7,760' - 40%SH, 60%LS 7,700' - 70%SH, 30%LS

Report #: 13 Daily Operation: 1/11/2016 06:00 - 1/12/2016 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 037166
Days From Spud (days) 29	Days on Location (days) 12	End Depth (ftKB) 9,191.0
	End Depth (TVD) (ftKB) 9,041.4	Dens Last Mud (lb/gal) 8.35
	Rig PATTERSON - UTI, 802	

Operations Summary

Drill 8.75" Prod Vert f/ 8,000' to 9,048', Circulate, TOO H f/ Curve BHA, C/O BHA's. TIH, Drill Curve 9,048' to 9,191'

Remarks

rev 24 hrs ---- Est: 1048' --- Actual: 1191'
Next 24 hrs ---- Est: 1052'

NPT For January:

Patterson; Past 24 hr - 0; Total 0
Third Party: Past 24 hr - 0; Total 0.75

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/11/2016 06:00	1/11/2016 16:00	10		DRILL	DRL	Rotate & Slide drilling as needed from 8,000' to 9048'; 83% rot, 17% slide @ 105 fph MW- 8.3 w/ 54 vis. Full returns to surface. Lithology 8,060' - 70%SH, 30%LS 8,120' - 60%SH, 40%LS 8,180' - 80%SH, 20%LS 8,270' - 70%SH, 20%LS, 10%SD 8,450' - 80%SH, 10%LS, 10%SD 8,540' - 40%SD, 30%SH, 30%LS 8,690' - 40%SD, 40%LD, 20%SH 8,780' - 40%SH, 30%LS, 36%SD 8,840' - 50%SH, 30%LS, 20%SD 8,900' - 40%SD, 30%LS, 30%SH **SPBY U A1 @ 8,494' MD, 8,351' TVD - 23' high.
1/11/2016 16:00	1/11/2016 17:30	1.5		CIRCULATE	CIRC	Circulate 2 hi visc sweeps around w/ 504 gpms, 1865 spp.
1/11/2016 17:30	1/11/2016 20:30	3		TOOH - ELEVATOR	TOOH_E LEV	Trip out of hole F/9,048' to 107'. Monitor hole fill on trip tanks. Hole taking proper fill.
1/11/2016 20:30	1/11/2016 20:45	0.25		SAFETY	SFTY	PJSM over BHA handling.
1/11/2016 20:45	1/11/2016 22:15	1.5		L/D BHA	L/D BHA	LD production vertical BHA. Drain MM (Good). Break bit (1,1,BT,G,X,0,ND,TD)
1/11/2016 22:15	1/11/2016 22:45	0.5		PLANNED RIG SERVICE	RIG_SVC	Rig Service
1/11/2016 22:45	1/12/2016 00:15	1.5		P/U BHA	PU_BHA	PU Production Curve BHA. 2.25" FXD MM. Scribe & Test MM. M/U 8 1/2" Hal MMD55DM.
1/12/2016 00:15	1/12/2016 03:45	3.5		TIH - ELEVATOR	TIH_ELE V	Trip in hole F/102' - T/9,048'. Monitor displacement on trip tanks, hole giving proper displacement.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/12/2016 03:45	1/12/2016 06:00	2.25		DRILL	DRL	Drilled curve from 9,048' to 9,191' @ 64 fph. 14% complete. 100% slide @ 64 fph MW- 8.3+ w/ 56 vis. Full returns to surface.

Report #: 14 Daily Operation: 1/12/2016 06:00 - 1/13/2016 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 037166
Days From Spud (days) 30	Days on Location (days) 13	End Depth (ftKB) 9,753.0	End Depth (TVD) (ftKB) 9,463.6	Dens Last Mud (lb/gal) 8.40	Rig PATTERSON - UTI, 802	

Operations Summary

Drill Curve f/9,191' to 9,569',TOOH,L/D BHA and P/U New BHA.TIH.Drill Curve f/9,569' to 9,753' (70% complete)

Remarks

rev 24 hrs ---- Est: 1048' --- Actual: 531'
Next 24 hrs ---- Est: 1200'

Well Plan #2; SURVEY @ MD: 9601' INC 47.5° AZM 162.6 TVD 9373.45' N/S 966.17' (5.1 dogleg,38' ahead,9' right)

NPT For January:

Patterson; Past 24 hr - 0; Total 0

Third Party: Past 24 hr - 11.25; Total 12.0

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/12/2016 06:00	1/12/2016 09:00	3		DRILL	DRL	Drilled curve from 9,191' to 9,440'; 0% rot, 100% slide @ 83 fph MW- 8.4 w/ 54 vis. Full returns to surface. Lithology: 9,230' - 50%SD, 30%LS, 20%SH 9,320' - 40%LS, 40%SD, 20%SH 9,410' - 40%SH, 30%SD, 30%LS
1/12/2016 09:00	1/12/2016 10:00	1		CIRCULATE	CIRC	Trouble shoot MWD, missing pulses due to decoding issues. Check all surface equipment, swap transducer & change out cables. Go through #2 MP & expandables.
1/12/2016 10:00	1/12/2016 12:00	2		DRILL	DRL	Drill curve 9,440' to 9566'; 0% rot, 100% slide @ 63 fph. MW - 8.4 w/ 55 vis. Full returns to surface. Lithology: 9,500' - 50%SH, 30%SD, 20%LS
1/12/2016 12:00	1/12/2016 13:30	1.5		3RD PARTY REPAIR	3RD_PT Y	MWD, missing pulses due to decoding issues. Check all surface equipment again. Change out transducer, change out surface reciever, alternate pump rates.
1/12/2016 13:30	1/12/2016 14:45	1.25		CIRCULATE	CIRC	Circuate hole clean. Build slug & prepare to TOOH due to MWD failure.
1/12/2016 14:45	1/12/2016 17:30	2.75		TOOH - ELEVATOR	TOOH_E LEV	TOOH f/ 9,566' to 103'. Monitor hole fill on trip tanks, hole taking proper fill.
1/12/2016 17:30	1/12/2016 18:00	0.5		PLANNED RIG SERVICE	RIG_SVC	Service Rig. Grease from the crown to the ground.
1/12/2016 18:00	1/12/2016 19:00	1		L/D BHA	L/D BHA	Break bit and l/d bha.
1/12/2016 19:00	1/12/2016 20:30	1.5		P/U BHA	PU_BHA	P/U bha and test.Test good.M/U up bit.
1/12/2016 20:30	1/12/2016 22:45	2.25		TIH - ELEVATOR	TIH_ELE V	TIH 107' to 6,288' filling every 30 stds no issues.
1/12/2016 22:45	1/12/2016 23:15	0.5		N/U BOPE	NU_BOP E	Install rotating head.Hookup oiler line.
1/12/2016 23:15	1/13/2016 00:15	1		LWD	LWD	Logging 6 axes 6,288' to 6,659'
1/13/2016 00:15	1/13/2016 01:30	1.25		TIH - ELEVATOR	TIH_ELE V	TIH 6,659' to 9,503',no issues.
1/13/2016 01:30	1/13/2016 02:00	0.5		LWD	LWD	Relogging 9,503' to 9,566.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/13/2016 02:00	1/13/2016 06:00	4		DRILL	DRL	Drill curve 9,566' to 9,753'; 0% rot, 100% slide @ 46.8 fph. MW - 8.4 w/ 55 vis. Full returns to surface. Lithology: 9,590' - 90%SH, 10%LS 9,620' - 90%SH, 10%LS

Report #: 15 Daily Operation: 1/13/2016 06:00 - 1/14/2016 06:00

Job Category ORIG DRILLING			Primary Job Type ODR		AFE Number 037166
Days From Spud (days) 31	Days on Location (days) 14	End Depth (ftKB) 9,941.0	End Depth (TVD) (ftKB) 9,522.0	Dens Last Mud (lb/gal) 8.40	Rig PATTERSON - UTI, 802

Operations Summary

Drill Curve F/9,753' to 9,846', Circ, TOH, C/O BHA, TIH, Drill Curve F/9,846' - 9,941' (97% complete)

Remarks

Prev 24 hrs ---- Est: 1,200' --- Actual: 188'

Next 24 hrs ---- Est: 150'

Well Plan #2; SURVEY @ MD: 9851' INC 71.3° AZM 162.7 TVD 9504.57' N/S 763.81' E/W -69.73' (3.4' Below & 0' Right/Left)

NPT For January:

Patterson; Past 24 hr - 0; Total 0

Third Party: Past 24 hr - 0; Total 12.0

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/13/2016 06:00	1/13/2016 09:30	3.5		DRILL	DRL	Drill curve f/ 9,753' to 9,846'; 100% slide @ 26.6 fph. MW - 8.4 w/ 53 vis. Full returns to surface. Lithology: 9,770' - 80%SH, 20%LS 9,800' - 60%SH, 40%LS 9,830' - 80%SH, 20%LS 9,846' - 90%SH, 10%LS
1/13/2016 09:30	1/13/2016 11:30	2		CIRCULATE	CIRC	Achieving low build rates in curve. Conference call with superintendent and engineer. Decision made to swap-out motor. Circulated hole clean while building slug.
1/13/2016 11:30	1/13/2016 15:15	3.75		TOOH - ELEVATOR	TOOH_ELEV	TOOH For 2.5° Motor & Insert Bit F/9,846' to 103'. Monitor hole fill on trip tanks, hole taking proper fill.
1/13/2016 15:15	1/13/2016 15:45	0.5		N/U BOPE	NU_BOP E	Pull Rotating head & Install Trip Nipple
1/13/2016 15:45	1/13/2016 16:15	0.5		PLANNED RIG SERVICE	RIG_SVC	Service Rig. Grease from the crown to the ground.
1/13/2016 16:15	1/13/2016 16:30	0.25		SAFETY	SFTY	PJSM w/ Patterson rig crew, LEAM directional & PNR Rep over handling BHA.
1/13/2016 16:30	1/13/2016 18:00	1.5		L/D BHA	L/D BHA	L/D BHA, break bit, motor, MWD
1/13/2016 18:00	1/13/2016 18:45	0.75		P/U BHA	PU_BHA	PJSM on BHA Handling, P/U BHA and test. Test good. M/U up bit.
1/13/2016 18:45	1/13/2016 23:30	4.75		TIH - ELEVATOR	TIH_ELEV	TIH 104' to 9,690' filling every 30 stds no issues. Monitor hole fill on trip tanks. Pulled Trip Nipple & Installed Rot. Head @ 5,637'
1/13/2016 23:30	1/14/2016 00:15	0.75		TIH - NON-ELEVATOR	TIH_NON ELEV	Wash F/9,690' - 9,846' (Re-Log Gamma F/9,785 - 9,846')
1/14/2016 00:15	1/14/2016 06:00	5.75		DRILL	DRL	Drill curve F/9,846' to 9,941'; 100% slide @ 16.5 fph. MW - 8.35 w/47 vis. Full returns to surface. Lithology: 9,860' - 70% SH, 30% LS 9,880' - 80% SH, 20% LS 9,910' - 80% SH, 20% LS

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Report #: 16 Daily Operation: 1/14/2016 06:00 - 1/15/2016 06:00

Job Category ORIG DRILLING			Primary Job Type ODR		AFE Number 037166
Days From Spud (days) 32	Days on Location (days) 15	End Depth (ftKB) 10,351.0	End Depth (TVD) (ftKB) 9,514.9	Dens Last Mud (lb/gal) 8.35	Rig PATTERSON - UTI, 802

Operations Summary

TD Curve @ 9,956', Circ, TOH, C/O BHA, TIH, Slip & Cut, TIH, Drill 8 1/2" Production Lateral to 10,351' (4% Complete)

Remarks

Prev 24 hrs --- Est: 150' --- Actual: 410'

Next 24 hrs --- Est: 2,200

Well Plan #2; SURVEY @ MD: 10163' INC 91.4° AZM 164.1 TVD 9518.97' N/S 466.96' E/W (10.5' Left & 4.2' Low)

NPT For January:

Patterson: Past 24 hrs - 0; Total - 0

Third Party: Past 24 hrs - 0; Total 12.0

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/14/2016 06:00	1/14/2016 07:00	1		DRILL	DRL	Drill curve from 9,941' to 9,956'. 100% slide @ 15 fph. MW - 8.35, Vis - 52. Full returns to surface. Lithology: 9,955' - 80%SH, 20%LS Landed curve @ 9,956', 07:00 1/14/2016
1/14/2016 07:00	1/14/2016 08:00	1		CIRCULATE	CIRC	Circulate bottoms up while building slug. Fill trip tanks. Flow check well. Pump slug.
1/14/2016 08:00	1/14/2016 11:30	3.5		TOOH - ELEVATOR	TOOH_E LEV	TOOH for Lateral BHA from 9,956' to 1,163'. Monitor trip tanks for proper fill.
1/14/2016 11:30	1/14/2016 12:00	0.5		N/U BOPE	NU_BOP E	Pull rotating head and install trip nipple.
1/14/2016 12:00	1/14/2016 12:30	0.5		TOOH - ELEVATOR	TOOH_E LEV	Cont TOOH F/ 9,956' to 104' while monitoring hole fill on trip tanks.
1/14/2016 12:30	1/14/2016 13:00	0.5		PLANNED RIG SERVICE	RIG_SVC	Service Rig. Grease from the crown to the ground.
1/14/2016 13:00	1/14/2016 13:15	0.25		SAFETY	SFTY	PJSM with Patterson rig crew, Leam directional hands, and PNR rep on proper BHA handling.
1/14/2016 13:15	1/14/2016 14:15	1		L/D BHA	L/D BHA	L/D BHA, break bit, motor, MWD, Flex NMDC. ** Bit grade: 1/1/NO/A/E/0/NO/TD
1/14/2016 14:15	1/14/2016 15:45	1.5		P/U BHA	PU_BHA	P/U BHA (1.75° FXD MM) and test. Test good. M/U up bit (Hughes 506X). Picked up slick NMDC to replace flex.
1/14/2016 15:45	1/14/2016 19:45	4		TIH - ELEVATOR	TIH_ELE V	TIH from 108' to 5,728' filling every 30 stands. Hole displacing properly into trip tanks. ** BOP trip drill, reaction time 73 sec Pulled trip nipple and installed rotating head @ 5,634'
1/14/2016 19:45	1/14/2016 20:45	1		SLIP & CUT	SLIP_CU T	Slip and cut drill line.
1/14/2016 20:45	1/14/2016 21:00	0.25		TIH - ELEVATOR	TIH_ELE V	TIH from 5,728' to 6,293' filling every 30 stands. Hole displacing properly into trip tanks.
1/14/2016 21:00	1/14/2016 22:15	1.25		LWD	LWD	Perform 6 axis surveys F/6,293' to 6,792'.
1/14/2016 22:15	1/14/2016 23:30	1.25		TIH - ELEVATOR	TIH_ELE V	TIH from 6,293' to 9,852' filling every 30 stands. Hole displacing properly into trip tanks.
1/14/2016 23:30	1/15/2016 00:30	1		LWD	LWD	Fill pipe & Wash to Bottom (Re-log gamma F/9,883' to 9,956')

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/15/2016 00:30	1/15/2016 06:00	5.5		DRILL	DRL	Drill 8 1/2" Production Lateral F/9,956' T/10,351' @ 72 fph, 82% Rot, 18% Sld, MW: 8.35, Vis 50 , full returns to surface. Lithology: 9,980' - 80% SH, 20% LS 10,010' - 90% SH, 10% LS 10,070' - 90% SH, 10% LS 10,130' - 80% SH, 20% LS 10,160' - 90% SH, 10% LS **Started Lateral @ 00:30 Hrs. 01/15/16

Report #: 17 Daily Operation: 1/15/2016 06:00 - 1/16/2016 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 037166
Days From Spud (days) 33	Days on Location (days) 16	End Depth (ftKB) 12,631.0
	End Depth (TVD) (ftKB) 9,478.8	Dens Last Mud (lb/gal) 8.40
	Rig PATTERSON - UTI, 802	

Operations Summary

Drill 8 1/2" Production Lateral to 12,631'

Remarks

Prev 24 hrs --- Est: 2,200' --- Actual: 2,280'

Next 24 hrs --- Est: 2,200'

Well Plan #2; SURVEY @ MD:12412' INC 90.6° AZM 163.71 3.4' Below & 9.3' Left of Plan 2 line (27% Complete)

NPT for January:

Patterson: Past 24 hrs - 0; Total - 0

Third Party: Past 24 hrs - 1, Total 13.0

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/15/2016 06:00	1/15/2016 16:30	10.5		DRILL	DRL	Rotate and slide drill from 10,351' to 11,444' @ 104 fph. MW - 8.4, Vis - 55, Full returns to surface. Lithology: 10,444' - 80%SH, 20%LS 10,538' - 70%LS, 30%SH 10,610' - 80%SH, 20%LS 10,760' - 70%SH, 30%LS 10,850' - 90%SH, 10%LS **SPR's @ 11,444'
1/15/2016 16:30	1/15/2016 17:00	0.5		PLANNED RIG SERVICE	RIG_SVC	Service Rig. Grease from the crown to the ground. Re-boot Pason w/ Pason rep.
1/15/2016 17:00	1/15/2016 18:00	1		3RD PARTY REPAIR	3RD_PT Y	Circulate & reciprocate, troubleshoot wireless communication issues between Top Doghouse & Toolpusher's Pason computers, unable to WITS information to Mudloggers & Directional unable to log Gamma while having issues, resolved by running hardwire between Driller's & Toolpusher's Pason computers.
1/15/2016 18:00	1/16/2016 06:00	12		DRILL	DRL	Rotate and slide drill from 11,444' to 12,631' @ 99 fph. MW - 8.35, Vis - 57, Full returns to surface. Lithology: 11,500' - 80% SH, 20% LS 11,560' - 90% SH, 10% LS 11,800' - 80% SH, 20% LS 11,940' - 90% SH, 10% LS 12,070' - 80% SH, 20% LS 12,110' - 90% SH, 10% LS 12,350' - 90% SH, 10% LS Drl lateral 10351' to 12631' (2280' @ 101 fph); 27% complete; 81% rot, 19% sldg; 9.3' left and 3.4' low in relation to plan #2. MW-8.35 w/ 57 vis. Gamma-108°, CBHT-161°F. 90% shale, 10% limestone.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Report #: 18 Daily Operation: 1/16/2016 06:00 - 1/17/2016 06:00

Job Category ORIG DRILLING			Primary Job Type ODR		AFE Number 037166
Days From Spud (days) 34	Days on Location (days) 17	End Depth (ftKB) 14,922.0	End Depth (TVD) (ftKB) 9,453.7	Dens Last Mud (lb/gal) 8.30	Rig PATTERSON - UTI, 802

Operations Summary

Drill 8 1/2" Production Lateral F/12,631' to 14,922'

Remarks

Prev 24 hrs --- Est: 2,200' --- Actual: 2,291'
Next 24 hrs --- Est: 2,100'

Well Plan #2; SURVEY @ MD: 14733' INC 89.5° AZM 165.09, 1' Below & 6.5' Right of Plan 2 line (50% Complete)

NPT for January:

Patterson: Past 24 hrs - 0; Total - 0

Third Party: Past 24 hrs - 0, Total 13.0

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/16/2016 06:00	1/16/2016 17:00	11		DRILL	DRL	Rotate and slide drill from 12,631' to 13,766 (1,135') @ 103 fph / 75% rot, 25% slide. MW - 8.35, Vis - 56, Full returns to surface. Lithology: 12,650' - 90% SH, 10% LS 12,800' - 80% SH, 20% LS 12,860' - 90% SH, 10% LS 13,370' - 80% SH, 20% LS 13,580' - 60% SH, 40% LS 13,700' - 80% SH, 20% LS 13,760' - 90% SH, 10% LS **SPR's @ 13,208' & 13,766'
1/16/2016 17:00	1/16/2016 17:30	0.5		PLANNED RIG SERVICE	RIG_SVC	Service Rig. Grease from the crown to the ground.
1/16/2016 17:30	1/17/2016 06:00	12.5		DRILL	DRL	Rotate and slide drill from 13,766' to 14,922' (1,156') @ 92.5 fph / 93% rot, 7% slide. MW - 8.3, Vis - 51, Full returns to surface. Lithology: 13,820' - 70% SH, 30% LS 13,880' - 80% SH, 20% LS 13,940' - 70% SH, 30% LS 14,000' - 80% SH, 20% LS 14,180' - 70% SH, 30% LS 14,300' - 90% SH, 10% LS 14,360' - 70% SH, 30% LS 14,540' - 80% SH, 20% LS 14,600' - 90% SH, 10% LS **SPR's @ 14,328' & 14,796' Drl lateral 12631' to 14922' (2291' @ 97 fph); 50% complete; 77% rot, 23% sldg; 6.5' right and 1' low in relation to plan #2. MW-8.3 w/ 51 vis. Gamma-120°, CBHT-168°F. 90% shale, 10% limestone.

Report #: 19 Daily Operation: 1/17/2016 06:00 - 1/18/2016 06:00

Job Category ORIG DRILLING			Primary Job Type ODR		AFE Number 037166
Days From Spud (days) 35	Days on Location (days) 18	End Depth (ftKB) 17,047.0	End Depth (TVD) (ftKB) 9,432.1	Dens Last Mud (lb/gal) 8.35	Rig PATTERSON - UTI, 802

Operations Summary

Drill 8 1/2" Production Lateral F/14,922' to 17,047'

Remarks

Prev 24 hrs --- Est: 2,100' --- Actual: 2,125'
Next 24 hrs --- Est: 2,000'

Well Plan #2; SURVEY @ MD: 16891' INC 91.1° AZM 166.1, 2.5' Above & 16.4' Right of Plan 2 line (72% Complete)

NPT for January:

Patterson: Past 24 hrs - 0; Total - 0

Third Party: Past 24 hrs - 0, Total 13.0

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/17/2016 06:00	1/17/2016 16:30	10.5		DRILL	DRL	Rotate and slide drill from 14,922' to 15,922 (1000'), @ 95 fph / 80% rot, 20% slide. MW - 8.35, Vis - 54, Full returns to surface. Lithology: 14,870' - 90%SH, 10%LS 14,930' - 80%SH, 20%LS 14,990' - 90%SH, 10%LS 15,200' - 80%SH, 20%LS 15,440' - 70%SH, 30%LS 15,620' - 90%SH, 10%LS 15,710' - 80%SH, 20%LS **SPR's @ 15,547' & 15,924'
1/17/2016 16:30	1/17/2016 17:00	0.5		PLANNED RIG SERVICE	RIG_SVC	Service Rig. Grease from the crown to the ground.
1/17/2016 17:00	1/18/2016 06:00	13		DRILL	DRL	Rotate and slide drill from 15,922' to 17,047', (1,125') @ 86.5 fph / 77% rot, 23% slide. MW - 8.4, Vis - 52, Full returns to surface. Lithology 16,010' - 90% SH, 10% LS 16,130' - 80% SH, 20% LS 16,190' - 90% SH, 10% LS 16,340' - 80% SH, 20% LS 16,370' - 60% SH, 40% LS 16,430' - 70% SH, 30% LS 16,490' - 80% SH, 20% LS 16,550' - 90% SH, 10% LS 16,610' - 70% SH, 30% LS 16,660' - 80% SH, 20% LS 16,810' - 80% SH, 20% LS **SPR's @ 16,391' Drl'd lateral 14922' to 17047' (2125' @ 90 fph); 72% complete; 78% rot, 22% sldg; 16.4' right and 2.5' high in relation to plan #2. MW-8.4 w/ 52 vis. Gamma-139°, CBHT-175°F. 80% shale, 20% limestone.

Report #: 20 Daily Operation: 1/18/2016 06:00 - 1/19/2016 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 037166
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Days From Spud (days) 36	Days on Location (days) 19	End Depth (ftKB) 18,923.0	End Depth (TVD) (ftKB) 9,426.3	Dens Last Mud (lb/gal) 8.35	Rig PATTERSON - UTI, 802
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Operations Summary

Drill 8 1/2" Production Lateral F/17,047' to 18,923'

Remarks

Prev 24 hrs --- Est: 2,000' --- Actual: 1,876'
Next 24 hrs --- Est: 887'

Well Plan #2; SURVEY @ MD: 18672' INC 91.1° AZM 165.05, 1.4' Above & 0.6' Right of Plan 2 line (91% Complete)

NPT for January:

Patterson: Past 24 hrs - 0; Total - 0

Third Party: Past 24 hrs - 0, Total 13.0

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/18/2016 06:00	1/18/2016 23:00	17		DRILL	DRL	Rotate and slide drill from 17,047' to 18,454' (1,407'), @ 82.7 fph / 67% rot, 33% slide. MW - 8.35, Vis - 53, Full returns to surface. Lithology: 17,050' - 80% SH, 20% LS 17,110' - 60% SH, 40% LS 17,200' - 70% SH, 30% LS 17,260' - 80% SH, 20% LS 17,470' - 90% SH, 10% LS 17,620' - 80% SH, 20% LS 17,920' - 80% SH, 20% LS 18,100' - 90% SH, 10% LS 18,160' - 80% SH, 20% LS 18,220' - 90% SH, 10% LS 18,340' - 80% SH, 20% LS **SPR's @ 17,892'
1/18/2016 23:00	1/18/2016 23:30	0.5		PLANNED RIG SERVICE	RIG_SVC	Service Rig. Grease from the crown to the ground. Mechanic attempt to charge Pulsation Dampener on #2 Pump.
1/18/2016 23:30	1/19/2016 00:00	0.5		CIRCULATE	CIRC	Circulate & Reciprocate while changing Pulsation Dampener on #2 Pump (Pump Expendables)
1/19/2016 00:00	1/19/2016 06:00	6		DRILL	DRL	Rotate and slide drill from 18,454' to 18,923' (469'), @ 78.2 fph / 66% rot, 34% slide. MW - 8.33, Vis - 52, Full returns to surface. Lithology: 18,450' - 80% SH, 20% LS 18,570' - 70% SH, 30% LS 18,680' - 80% SH, 20% LS **SPR's @ 18,641' **DD's Est. TD ~19,810' Per VS Plan 2 Drld lateral 17047' to 18923' (1876' @ 82 fph); 91% complete; 67% rot, 33% sldg; 0.6' right and 1.4' high in relation to plan #2. MW-8.3 w/ 52 vis. Gamma-92°, CBHT-182°F. 80% shale, 20% limestone.

Report #: 21 Daily Operation: 1/19/2016 06:00 - 1/20/2016 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 037166
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Days From Spud (days) 37	Days on Location (days) 20	End Depth (ftKB) 19,820.0	End Depth (TVD) (ftKB) 9,424.8	Dens Last Mud (lb/gal) 8.30	Rig PATTERSON - UTI, 802
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Operations Summary

Drill 8 1/2" Production Lateral F/18,923' to 19,820' (TD), Perform K&M Clean-up Cycle, TOO H to run Production Csg.

Remarks

Prev 24 hrs --- Est: 887' --- Actual: 897'
Next 24 hrs --- Est: 0'

Well Plan #2; SURVEY @ MD: 19757' INC 90.4° AZM 163.64, 5.3' Above & 18.9' Left of Plan 2 line (100% Complete)

NPT for January:

Patterson: Past 24 hrs - 0; Total - 0

Third Party: Past 24 hrs - 0, Total 13.0

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/19/2016 06:00	1/19/2016 16:45	10.7 5		DRILL	DRL	<p>Rotate and slide drill from 18,923' to 19,820 (897'), @ 85 fph / 74% rot, 26% slide. MW - 8.35, Vis - 55, Full returns to surface.</p> <p>Lithology: 19,310' - 90%SH, 10%LS 19,560' - 80%SH, 20%LS 19,700' - 70%SH, 30%LS</p> <p>**SPR's @ 19,579'</p> <p>Drl lateral 18923' to 19820' (897' @ 85 fph); 100% complete @ 16:45 hrs 01/19/16; 74% rot, 26% sldg; 18.9' left and 5.3' high in relation to plan #2. MW-8.3 w/ 55 vis. Gamma-75°, CBHT-190°F. 70% shale, 30% limestone.</p>
1/19/2016 16:45	1/20/2016 01:30	8.75		CIRCULATE	CIRC	<p>Perform K&M clean up cycle, Circulate 7 B/U's w/ 9,950 strokes each. Pump 1 - 30 bbls of LCM/Vis sweep, Pump 1 - 30 bbls of Super Sweep. Rotate and reciprocate drill string at 90 rpm /93'. Initial torque prior to circulating 19k, final torque 8k.</p> <p>** Shakers loaded up after 1st sweep around, continued to see waves of cuttings until 5th B/U, by 7th B/U shakers clean.</p>
1/20/2016 01:30	1/20/2016 02:00	0.5		FLOW CHECK	FLOW_C HK	Flow check to trip tank, well static. Pump slug.
1/20/2016 02:00	1/20/2016 06:00	4		TOOH - ELEVATOR	TOOH_E LEV	<p>TOH F/19,820' - 12,853' on trip tanks to run production casing. Hole taking proper fill.</p> <p>Had 2 spots, 19,303' & 18,651' that had 50k overpull above normal travel @ 300k, pulling @ 60 fpm., both times it would not drop out, screwed in W/topdrive @ neutral wt. and applied 12k tq., dropped out both times and traveled through pulling slow with ~20k overpull. Both times tooljoint was in the same position. Acts like hole geometry (high DLS @ base of curve). Slowed trip speed to 50 fpm. and continued pulling w/no more issues, staging trip speed up gradually, pulling good @ time of report @ 80 fpm.</p>

Report #: 22 Daily Operation: 1/20/2016 06:00 - 1/21/2016 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 037166
Days From Spud (days) 38	Days on Location (days) 21	End Depth (ftKB) 19,820.0	End Depth (TVD) (ftKB) 9,424.8	Dens Last Mud (lb/gal) 8.70	Rig PATTERSON - UTI, 802	

Operations Summary

TOH, Circ. B/U @ Toe, TOH, L/D Dir. Tools, R/U & Run Production Casing

Remarks

Prev 24 hrs --- Est: 0' --- Actual: 0'
Next 24 hrs --- Est: 0'

Well Plan #2; SURVEY @ MD: 19757' INC 90.4° AZM 163.64, 5.3' Above & 18.9' Left of Plan 2 line (100% Complete)

NPT for January:

Patterson: Past 24 hrs - 0; Total - 0

Third Party: Past 24 hrs - 0, Total 13.0

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/20/2016 06:00	1/20/2016 08:15	2.25		TOOH - ELEVATOR	TOOH_E LEV	TOOH f/ 12,853 to 10,400' to run production casing. Hole taking proper fill from trip tanks.
1/20/2016 08:15	1/20/2016 09:30	1.25		CIRCULATE	CIRC	CBU at base of curve ~ 10,400' w/ 140 spm, 2400 psi. BU = 7,124 strokes. Full returns throughout. Shakers clean throughout circulation.
1/20/2016 09:30	1/20/2016 14:45	5.25		TOOH - ELEVATOR	TOOH_E LEV	TOOH f/ 10,400' to 120' to run production casing. Hole taking proper fill from trip tanks.
1/20/2016 14:45	1/20/2016 15:15	0.5		N/U BOPE	NU_BOP E	Remove rotating head & install trip nipple.
1/20/2016 15:15	1/20/2016 15:30	0.25		SAFETY	SFTY	PJSM w/ Patterson rig crew, Learn directional & PNR CM over handling BHA.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/20/2016 15:30	1/20/2016 16:30	1		L/D BHA	L/D BHA	Directional work: Lay down BHA (Pull MWD, drain mud motor, break bit & subs). ** Bit GRADE: 1,2,CT,G,X,0,CT,TD
1/20/2016 16:30	1/20/2016 17:00	0.5		PLANNED RIG SERVICE	RIG_SVC	Service Rig. Grease from the crown to the ground.
1/20/2016 17:00	1/20/2016 18:00	1		WELLHEAD	WH	Pull wear bushing and lay down. No excessive wear observed. Clean & organize rig floor. ** Confined space entry permit in place.
1/20/2016 18:00	1/20/2016 19:00	1		RIG UP	RU	Rig up Franks Casing Crew and Frontier Torque Turn. Perform safety inspection conduct safety meeting with rig personnel, casing crew, Weatherford tech, thread rep, rig crews.
1/20/2016 19:00	1/20/2016 20:00	1		RUN CSG W/O WASH	CSG_W/ OWASH	M/U Shoe track consisting of Eliptical float shoe, 2 jts. 5 1/2" 20# P-110 TXP BTC casing, Float collar, 1 jt. casing, Weatherford Time Delay Toe Sleeve, make up CRT, fill up casing and insure circulation through float equipment. ** Thread Lock all connections through top of toe sleeve. **Toe Sleeve Information: 12,500 psi burst disk rating Min surface applied psi to activate sleeve - 8,217 psi Max surface applied psi to activate sleeve - 8,717 psi.
1/20/2016 20:00	1/21/2016 06:00	10		RUN CSG W/O WASH	CSG_W/ OWASH	Run 5.5" Production Casing (205 Jts.) F/149' to 8,531'. Filling every 40 jts. OptimumTq. - 12,520 ft/lbs. Hole displacing properly into trip tanks. Avg. ID of 10 Jts. 4.7813" Avg. OD of 10 Collars 6.0625" ID of Elevators 5.625"

Report #: 23 Daily Operation: 1/21/2016 06:00 - 1/22/2016 06:00

Job Category ORIG DRILLING	Primary Job Type ODR	AFE Number 037166
Days From Spud (days) 39	Days on Location (days) 22	End Depth (ftKB) 19,820.0
	End Depth (TVD) (ftKB) 9,424.8	Dens Last Mud (lb/gal) 8.70
		Rig PATTERSON - UTI, 802

Operations Summary

Run & Land Production Casing, Cement, Install Packoff & Test, ND BOPE

Remarks

Prev 24 hrs --- Est: 0' --- Actual: 0'
Next 24 hrs --- Est: 0'

Well Plan #2; SURVEY @ MD: 19757' INC 90.4° AZM 163.64, 5.3' Above & 18.9' Left of Plan 2 line (100% Complete)

NPT for January:

Patterson: Past 24 hrs - 0; Total - 0

Third Party: Past 24 hrs - 0, Total 13.0

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/21/2016 06:00	1/21/2016 08:00	2		RUN CSG W/O WASH	CSG_W/ OWASH	TIH w/ 5.5" prod'n casing to 10,400'. Hole giving proper displacement. Filling pipe every 40 jts.
1/21/2016 08:00	1/21/2016 09:00	1		CIRCULATE	CIRC	Circ BU 400' past base of curve. Full returns to surface. Observed minimal gas increase on Pason. No cuttings observed over shakers.
1/21/2016 09:00	1/21/2016 14:00	5		RUN CSG W/O WASH	CSG_W/ OWASH	TIH w/ 5.5" production casing to 14,986'. Hole giving proper displacement. Filling pipe every 40 jts
1/21/2016 14:00	1/21/2016 15:00	1		CIRCULATE	CIRC	Circ BU in lateral w/ full returns, max gas = 100 units. No cuttings observed over shakers.
1/21/2016 15:00	1/21/2016 20:00	5		RUN CSG W/O WASH	CSG_W/ OWASH	Continue TIH w/ 5.5" prod. casing to 19,774'. Hole giving proper displacement. Filling pipe every 40 jts
1/21/2016 20:00	1/21/2016 20:30	0.5		RUN CSG W/O WASH	CSG_W/ OWASH	PU hanger & landing joint, land casing in well head. Seaboard & PNR Rep. witness Casing set at 19,808' MD. *Seaboard Rep confirm all lock pins backed out prior to landing. *Confined Space Permit in place.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/21/2016 20:30	1/21/2016 21:00	0.5		PLANNED RIG SERVICE	RIG_SVC	Rig service
1/21/2016 21:00	1/21/2016 21:30	0.5		RIG UP	RU	M/U Swedge, low torque valve & 2" circulating iron from standpipe.
1/21/2016 21:30	1/21/2016 23:00	1.5		CIRCULATE	CIRC	Circ 1.5 x csg capacity thru CRT @ 6 bpm w/ full returns Max gas during circ = 143 units ** PJSM w/Patt, PNR, Frontier & Franks on RD csg tools RD casing tools while circulating casing. **PJSM w/Patt, PNR, SLB on RU cmtrs RU Cement Pumps & iron to floor while circ csg
1/21/2016 23:00	1/21/2016 23:15	0.25		SAFETY	SFTY	PJSM w/ Patt, SLB, Weatherford, Mud Engr & PNR over cmtg ops
1/21/2016 23:15	1/22/2016 03:00	3.75		CEMENT	CMT	Cement 5 1/2" casing, Pump 30 bbl Viscous water, Pump 45 bbl spacer (9.5ppg Mudpush); Pump 159 bbl lead cement(360 sks; Yield 2.54; 11.5 ppg); Pump 463 bbl Tail cement (1614 sks; 12.5 ppg; Yield 1.61); Displace w/438 bbl H2O 8.3 ppg; land plug with 1,570 psi @ 4.5 bbls/min. and bump 1,430 psi over FCP to 3,000 psi; Floats held; Bleed back 4.5 bbl to truck; Full returns through out cement job. ** Cementing details under cementing section **
1/22/2016 03:00	1/22/2016 04:00	1		RIG DOWN	RD	RD SLB cmt head & iron while washing through all lines and stack.
1/22/2016 04:00	1/22/2016 04:15	0.25		SAFETY	SFTY	PJSM W/Seaboard Rep, Patterson Rig Crew & PNR Rep. on Installing Packoff
1/22/2016 04:15	1/22/2016 05:15	1		WELLHEAD	WH	Drain stack. 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
1/22/2016 05:15	1/22/2016 06:00	0.75		N/D BOPE	ND_BOP E	Nipple Down flowline, hole fill line, pollution pan, prep to N/D BOPE

Report #: 24 Daily Operation: 1/22/2016 06:00 - 1/22/2016 09:30

Job Category ORIG DRILLING				Primary Job Type ODR			AFE Number 037166	
Days From Spud (days) 39	Days on Location (days) 22	End Depth (ftKB) 19,820.0	End Depth (TVD) (ftKB) 9,424.8	Dens Last Mud (lb/gal) 8.70	Rig PATTERSON - UTI, 802			

Operations Summary

N/D BOP, Install & Test Abandonment Cap, Release Rig

Remarks

Prev 24 hrs --- Est: 0' --- Actual: 0'

Next 24 hrs --- Est: 0'

Well Plan #2; SURVEY @ MD: 19757' INC 90.4° AZM 163.64, 5.3' Above & 18.9' Left of Plan 2 line (100% Complete)

NPT for January:

Patterson: Past 24 hrs - 0; Total - 0

Third Party: Past 24 hrs - 0, Total 13.0

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/22/2016 06:00	1/22/2016 09:30	3.5		N/D BOPE	ND_BOP E	Break flow line, break DSA. Lift stack. Skid 15' to set abandonment cap. **Install, torque up night cap & test ** **Release rig from University 7-38 #30H at 09:30 hrs on 1/22/16**

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Report #: 1 Daily Operation: 2/23/2016 06:00 - 2/24/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM		AFE Number 037158
Days From Spud (days) 72	Days on Location (days) 1	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig

Operations Summary

Install B Section, Plumb & Fill Cellars, NU Frac Stacks

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/23/2016 06:00	2/23/2016 07:00	1	NONOPS	WELL SHUT IN	SHUT_IN	No Activity - Wait On Daylight
2/23/2016 07:00	2/23/2016 17:00	10	SETUP	WELLHEAD/CELLAR	WH/CELL AR	NU B Section, Plumb Surface & Intermediate Csg.To Surface, Fill Cellars, NU Frac Stacks, Install Frac Stands
2/23/2016 17:00	2/24/2016 06:00	13	NONOPS	WELL SHUT IN	SHUT_IN	WSI - No Activity

Report #: 2 Daily Operation: 2/24/2016 06:00 - 2/25/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM		AFE Number 037158
Days From Spud (days) 73	Days on Location (days) 2	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig

Operations Summary

Run CBL & GR On Vertical - MIRU, Containment, Pump Down, & Flow Back Equipment

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/24/2016 06:00	2/24/2016 07:00	1	NONOPS	WELL SHUT IN	SHUT_IN	WSI - No Activity
2/24/2016 07:00	2/24/2016 21:30	14.5	WIRELINE	MISC LOG	WL_LOG	Run CBL & GR - RU Containment - Spot Frac Tanks - MIRU Flowback - MIRU Pumpdown Equipment - Pressure Test
2/24/2016 21:30	2/25/2016 06:00	8.5	NONOPS	WELL SHUT IN	SHUT_IN	WSI - No Activity

Report #: 3 Daily Operation: 2/25/2016 06:00 - 2/26/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM		AFE Number 037158
Days From Spud (days) 74	Days on Location (days) 3	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig

Operations Summary

Open Toe Sleeve - Pressure Test Csg. - Pump Acid And Limonene

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/25/2016 06:00	2/25/2016 07:00	1	NONOPS	WELL SHUT IN	SHUT_IN	WSI - No Activity
2/25/2016 07:00	2/25/2016 07:30	0.5	NONOPS	NON ACTIVE DUE TO SAFETY EVENT	SAFETY	PJSM
2/25/2016 07:30	2/25/2016 11:30	4	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait On 31H Ops
2/25/2016 11:30	2/25/2016 13:00	1.5	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait On Repairs To Leak On Pump Suction Manifold
2/25/2016 13:00	2/25/2016 14:00	1	PUMP DOWN	OPEN SLEEVE	PD_SLE EVE	Open Well, Increase pressure to 8000 psi and hold 6 min for csg test (Tested Good), pressure up sleeve to 9545 psi, sleeve open in 14 min, pressure fell to 4500 psi, est.inj. rate @ 20 bpm w/7600 psi, pumped 100 bbls
2/25/2016 14:00	2/25/2016 15:30	1.5	PUMP DOWN	ACID	PD_ACID	Drop rate to 5 bpm, pump 18 bbls of 15% HCL Acid, 20 bbls FW, 12 bbls of Limonene, and 400 bbls of flush @ 5 bpm w/5475 psi, Increase rate to 19 bpm, pump 100 bbls of FW @ 5200 psi, shut down, ISIP= 3150, let pressure bleed down and stabilize, shut in well, SICP=2720
2/25/2016 15:30	2/26/2016 06:00	14.5	NONOPS	WELL SHUT IN	SHUT_IN	WSI - No Activity

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Report #: 4 Daily Operation: 2/26/2016 06:00 - 2/27/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037158
Days From Spud (days) 75	Days on Location (days) 4	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
Operations Summary MIRU - P/P Stg. 1 - RTF						
Remarks						

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/26/2016 06:00	2/26/2016 07:00	1	NONOPS	WELL SHUT IN	SHUT_IN	WSI - No Activity
2/26/2016 07:00	2/26/2016 07:15	0.25	NONOPS	NON ACTIVE DUE TO SAFETY EVENT	SAFETY	PJSM/JSA Review
2/26/2016 07:15	2/26/2016 16:28	9.21 7	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait On 31H Ops
2/26/2016 16:28	2/26/2016 17:21	0.88 3	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	Re-head - RU Lubricator - Equalize
2/26/2016 17:21	2/26/2016 18:45	1.4	WIRELINE	RUN DOWN	WL_RUN DN	RIH
2/26/2016 18:45	2/26/2016 18:51	0.1	WIRELINE	PLUG/PERF	WL_PERF	P/P Stg. 1 - Plug @ 19,658'
2/26/2016 18:51	2/26/2016 20:20	1.48 4	WIRELINE	RUN UP	WL_RUN UP	POOH Logging Lateral
2/26/2016 20:20	2/26/2016 20:25	0.08 3	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lubricator - All Shots Fired
2/26/2016 20:25	2/27/2016 06:00	9.58 3	NONOPS	WELL SHUT IN	SHUT_IN	WSI - No Activity - Stg.1 RTF

Report #: 5 Daily Operation: 2/27/2016 06:00 - 2/28/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037158
Days From Spud (days) 76	Days on Location (days) 5	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
Operations Summary WSI - Wait On Frac						
Remarks						

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/27/2016 06:00	2/28/2016 06:00	24	NONOPS	WELL SHUT IN	SHUT_IN	WSI - Wait On Frac

Report #: 6 Daily Operation: 2/28/2016 06:00 - 2/29/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037158
Days From Spud (days) 77	Days on Location (days) 6	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
Operations Summary WSI - Wait on Frac						
Remarks						

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/28/2016 06:00	2/29/2016 06:00	24	NONOPS	WELL SHUT IN	SHUT_IN	

Report #: 7 Daily Operation: 2/29/2016 06:00 - 3/1/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037158
Days From Spud (days) 78	Days on Location (days) 7	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, 3	
Operations Summary RTF 1						
Remarks						

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/29/2016 06:00	3/1/2016 02:25	20.42	NONOPS	WELL SHUT IN	SHUT_IN	
3/1/2016 02:25	3/1/2016 06:00	3.58	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Waiting on 29H Ops

Report #: 8 Daily Operation: 3/1/2016 06:00 - 3/2/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037158
Days From Spud (days) 79	Days on Location (days) 8	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, 3	
Operations Summary Frac Stages - 1,2 P/P Stages - 1,2						
Remarks						

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/1/2016 06:00	3/1/2016 10:40	4.67	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait On 29H Ops
3/1/2016 10:40	3/1/2016 10:52	0.2	TEST	SURFACE LINES/PUMP	TEST_LI NE	Prime Pumps & Test Lines
3/1/2016 10:52	3/1/2016 15:00	4.13	FRAC	FRAC / STIM	STIM	Frac Stg.1
3/1/2016 15:00	3/1/2016 18:28	3.48	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU Lubricator - Test & Equalize
3/1/2016 18:28	3/1/2016 19:34	1.1	WIRELINE	RUN DOWN	WL_RUN DN	RIH
3/1/2016 19:34	3/1/2016 19:45	0.17	WIRELINE	PLUG/PERF	WL_PER F	P/P Stg.2 - Plug @ 19,426'
3/1/2016 19:45	3/1/2016 20:37	0.88	WIRELINE	RUN UP	WL_RUN UP	POOH w/ perforating guns
3/1/2016 20:37	3/1/2016 22:30	1.87	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Waiting on 31H ops
3/1/2016 22:30	3/1/2016 22:36	0.1	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	RD perforating guns confirmed all shots fired,
3/1/2016 22:36	3/2/2016 03:06	4.5	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WO OFF SET WELLS
3/2/2016 03:06	3/2/2016 05:42	2.6	FRAC	FRAC / STIM	STIM	FRAC STG 2
3/2/2016 05:42	3/2/2016 06:00	0.3	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU LUBE & TEST

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

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037158
Days From Spud (days) 80	Days on Location (days) 9	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, 3	
Operations Summary FRAC STG'S 3,4 PERF STG'S 3,4,5						
Remarks						

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/2/2016 06:00	3/2/2016 07:15	1.25	WIRELINE	RUN DOWN	WL_RUN DN	RIH W/ WL
3/2/2016 07:15	3/2/2016 07:21	0.1	WIRELINE	PLUG/PERF	WL_PER F	P/P STG3 SET CFP @ 19,186' PERF 18,961-19,403
3/2/2016 07:21	3/2/2016 08:00	0.65	WIRELINE	RUN UP	WL_RUN UP	POH W/ WL
3/2/2016 08:00	3/2/2016 09:25	1.42	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	WO OFF SET WELL.
3/2/2016 09:25	3/2/2016 09:40	0.25	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	RD LUBE ALL SHOTS FIRED DROP BALL
3/2/2016 09:40	3/2/2016 12:28	2.8	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	WO OFF SET WELLS.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/2/2016 12:28	3/2/2016 12:50	0.37	FRAC	SWING IRON	IRON	Swing Iron Swing Iron
3/2/2016 12:50	3/2/2016 13:30	0.67	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test to 9500 psi
3/2/2016 13:30	3/2/2016 16:05	2.58	FRAC	FRAC / STIM	STIM	Frac Stage 3 of 41
3/2/2016 16:05	3/2/2016 16:40	0.58	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	
3/2/2016 16:40	3/2/2016 16:58	0.3	WIRELINE	RUN DOWN	WL_RUN DN	
3/2/2016 16:58	3/2/2016 17:34	0.6	WIRELINE	PLUG/PERF	WL_PER F	P/P STG # 4 SET CFP @ 18940.
3/2/2016 17:34	3/2/2016 18:28	0.9	WIRELINE	RUN UP	WL_RUN UP	
3/2/2016 18:28	3/2/2016 19:54	1.43	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON OFFSET WELLS
3/2/2016 19:54	3/2/2016 20:00	0.1	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	
3/2/2016 20:00	3/3/2016 00:21	4.35	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON OFFSET WELLS
3/3/2016 00:21	3/3/2016 01:00	0.65	FRAC	SWING IRON	IRON	
3/3/2016 01:00	3/3/2016 01:10	0.18	TEST	SURFACE LINES/PUMP	TEST_LI NE	
3/3/2016 01:10	3/3/2016 03:42	2.53	FRAC	FRAC / STIM	STIM	FRAC STG # 4
3/3/2016 03:42	3/3/2016 04:22	0.67	WIRELINE	REHEAD	WL_REH EAD	
3/3/2016 04:22	3/3/2016 04:34	0.2	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	
3/3/2016 04:34	3/3/2016 05:33	0.98	WIRELINE	RUN DOWN	WL_RUN DN	
3/3/2016 05:33	3/3/2016 05:38	0.08	WIRELINE	PLUG/PERF	WL_PER F	P/P STG # 5
3/3/2016 05:38	3/3/2016 06:00	0.36	WIRELINE	RUN UP	WL_RUN UP	

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

Job Category	Primary Job Type				AFE Number
ORIG COMPLETION	OCM				037158
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
81	10	0.0			PIONEER PUMPING SERVICES, 3

Operations Summary
FRAC STG'S,5,6
P/P STG'S,6,7

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/3/2016 06:00	3/3/2016 06:25	0.42	WIRELINE	RUN UP	WL_RUN UP	POH W/ WL
3/3/2016 06:25	3/3/2016 06:37	0.2	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	RD LUBE ALL SHOTS FIRED DROP BALL
3/3/2016 06:37	3/3/2016 12:00	5.38	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	WO OFF SET WELLS.
3/3/2016 12:00	3/3/2016 12:15	0.25	FRAC	SWING IRON	IRON	Swing Iron
3/3/2016 12:15	3/3/2016 12:50	0.59	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test lines to 9,500 psi
3/3/2016 12:50	3/3/2016 15:34	2.73	FRAC	FRAC / STIM	STIM	Frac Stage 5
3/3/2016 15:34	3/3/2016 16:15	0.68	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU LUB
3/3/2016 16:15	3/3/2016 17:10	0.92	WIRELINE	RUN DOWN	WL_RUN DN	RIH
3/3/2016 17:10	3/3/2016 17:16	0.1	WIRELINE	PLUG/PERF	WL_PER F	Plug @ 18,466 and perforate Stage 6 as designed

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/3/2016 17:16	3/3/2016 18:15	0.98	WIRELINE	RUN UP	WL_RUN UP	POOH
3/3/2016 18:15	3/3/2016 20:27	2.2	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON OFFSET WELLS
3/3/2016 20:27	3/3/2016 20:31	0.08	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD LUBE
3/3/2016 20:31	3/3/2016 22:19	1.8	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON OFFSET WELLS
3/3/2016 22:19	3/3/2016 22:57	0.63	FRAC	SWING IRON	IRON	SWING IRON
3/3/2016 22:57	3/3/2016 23:12	0.25	FRAC	FRAC / STIM	STIM	TEST LINES
3/3/2016 23:12	3/4/2016 01:45	2.55	FRAC	FRAC / STIM	STIM	FRAC STG # 6
3/4/2016 01:45	3/4/2016 02:30	0.75	WIRELINE	REHEAD	WL_REH EAD	REHEAD
3/4/2016 02:30	3/4/2016 02:52	0.37	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU LUBE
3/4/2016 02:52	3/4/2016 03:49	0.95	WIRELINE	RUN DOWN	WL_RUN DN	RIH
3/4/2016 03:49	3/4/2016 03:56	0.11	WIRELINE	PLUG/PERF	WL_PER F	P/P STG # 7 PLUG @ 18220' PERF 18001'-18203'.
3/4/2016 03:56	3/4/2016 04:45	0.82	WIRELINE	RUN UP	WL_RUN UP	POOH
3/4/2016 04:45	3/4/2016 05:35	0.83	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON OFFSET WELLS
3/4/2016 05:35	3/4/2016 06:00	0.42	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD LUBE.

Report #: 11 Daily Operation: 3/4/2016 06:00 - 3/5/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037158
Days From Spud (days) 82	Days on Location (days) 11	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, 3	

Operations Summary

FRAC STG 7,8
P/P STG'S 8,9

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/4/2016 06:00	3/4/2016 09:00	3	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	WO OFF SET WELLS
3/4/2016 09:00	3/4/2016 10:06	1.1	TEST	PRIME	TEST_P RIME	PRIME & TEST
3/4/2016 10:06	3/4/2016 12:40	2.57	FRAC	FRAC / STIM	STIM	FRAC STG 7
3/4/2016 12:40	3/4/2016 13:10	0.5	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU LUBE
3/4/2016 13:10	3/4/2016 13:58	0.8	WIRELINE	RUN DOWN	WL_RUN DN	RIH W/ WL
3/4/2016 13:58	3/4/2016 14:04	0.1	WIRELINE	PLUG/PERF	WL_PER F	STG # 8 SET CFP @ 17,986' PERF 17,761'-17,963
3/4/2016 14:04	3/4/2016 14:55	0.85	WIRELINE	RUN UP	WL_RUN UP	POH W/ WL
3/4/2016 14:55	3/4/2016 15:45	0.83	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	WO OFF SET WELLS
3/4/2016 15:45	3/4/2016 15:55	0.17	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD LUBE ALL SHOTS FIRED.
3/4/2016 15:55	3/4/2016 16:42	0.78	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	WO OFF SET WELLS
3/4/2016 16:42	3/4/2016 19:28	2.77	FRAC	SWING IRON	IRON	SWING IRON
3/4/2016 19:28	3/4/2016 19:40	0.2	FRAC	FRAC / STIM	STIM	FRAC STG # 8
3/4/2016 19:40	3/4/2016 19:52	0.2	FRAC	SWING IRON	IRON	SWING IRON
3/4/2016 19:52	3/4/2016 20:02	0.17	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU LUBE

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/4/2016 20:02	3/4/2016 21:07	1.08	WIRELINE	RUN DOWN	WL_RUN DN	RIH W/WL
3/4/2016 21:07	3/4/2016 21:13	0.1	WIRELINE	PLUG/PERF	WL_PER F	P/P STG # 9 CFP@ 17746' PERF 17521'-17746'
3/4/2016 21:13	3/4/2016 22:22	1.15	WIRELINE	RUN UP	WL_RUN UP	POOH W/WL
3/4/2016 22:22	3/4/2016 22:59	0.62	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON OFFSET WELLS
3/4/2016 22:59	3/4/2016 23:07	0.13	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	RD LUBE ALL SHOTS FIRED.
3/4/2016 23:07	3/5/2016 02:42	3.58	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON OFFSET WELLS.

Report #: 12 Daily Operation: 3/5/2016 06:00 - 3/6/2016 06:00

Job Category	Primary Job Type	AFE Number
ORIG COMPLETION	OCM	037158
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)
83	12	0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
		PIONEER PUMPING SERVICES, 3

Operations Summary

FRAC STG 9,10, FRACING STG 11 AT REPORT TIME.
P/P STG'S 10,11

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/5/2016 06:00	3/5/2016 06:15	0.25	FRAC	SWING IRON	IRON	Swing Iron
3/5/2016 06:15	3/5/2016 06:39	0.4	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test to 9,500 psi
3/5/2016 06:39	3/5/2016 09:18	2.65	FRAC	FRAC / STIM	STIM	Frac stage 9 of 41
3/5/2016 09:18	3/5/2016 09:37	0.33	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU Lub
3/5/2016 09:37	3/5/2016 10:33	0.92	WIRELINE	RUN DOWN	WL_RUN DN	RIH W Wireline
3/5/2016 10:33	3/5/2016 10:37	0.07	WIRELINE	PLUG/PERF	WL_PER F	Plug @ 17,506' and perforate stage 10 as designed
3/5/2016 10:37	3/5/2016 11:37	1	WIRELINE	RUN UP	WL_RUN UP	POOH W Wireline
3/5/2016 11:37	3/5/2016 13:44	2.12	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	WO OFF SET WELLS
3/5/2016 13:44	3/5/2016 14:00	0.26	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	ALL SHOTS FIRED DROP BALL
3/5/2016 14:00	3/5/2016 17:07	3.13	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WO OFF SET WELLS
3/5/2016 17:07	3/5/2016 17:31	0.4	FRAC	SWING IRON	IRON	SWING IRON
3/5/2016 17:31	3/5/2016 17:37	0.1	TEST	SURFACE LINES/PUMP	TEST_LI NE	TEST
3/5/2016 17:37	3/5/2016 20:12	2.57	FRAC	FRAC / STIM	STIM	FRAC STG # 10
3/5/2016 20:12	3/5/2016 20:19	0.13	FRAC	SWING IRON	IRON	SWING IRON
3/5/2016 20:19	3/5/2016 20:43	0.4	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU LUBE
3/5/2016 20:43	3/5/2016 21:33	0.82	WIRELINE	RUN DOWN	WL_RUN DN	RIH
3/5/2016 21:33	3/5/2016 21:40	0.12	WIRELINE	PLUG/PERF	WL_PER F	P/P STG # 11 PLUG @ 17266' AND PERF TO DESIGN.
3/5/2016 21:40	3/5/2016 22:35	0.92	WIRELINE	RUN UP	WL_RUN UP	POOH
3/5/2016 22:35	3/5/2016 23:35	1	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON 31H FRAC OPS
3/5/2016 23:35	3/5/2016 23:45	0.17	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	RD LUBE
3/5/2016 23:45	3/6/2016 03:58	4.22	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON 29H FRAC OPS.
3/6/2016 03:58	3/6/2016 04:25	0.45	FRAC	SWING IRON	IRON	SWING IRON

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/6/2016 04:25	3/6/2016 04:37	0.2	TEST	SURFACE LINES/PUMP	TEST_LI NE	TEST LINES
3/6/2016 04:37	3/6/2016 06:00	1.38	FRAC	FRAC / STIM	STIM	FRAC STG # 11

Report #: 13 Daily Operation: 3/6/2016 06:00 - 3/7/2016 06:00

Job Category ORIG COMPLETION	Primary Job Type OCM	AFE Number 037158
Days From Spud (days) 84	Days on Location (days) 13	End Depth (ftKB) 0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, 3

Operations Summary
FRAC STG'S 11,12,13
P/P STG'S 12,13

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/6/2016 06:00	3/6/2016 07:09	1.15	FRAC	FRAC / STIM	STIM	FRAC STG 11
3/6/2016 07:09	3/6/2016 07:45	0.6	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU LUBE
3/6/2016 07:45	3/6/2016 08:39	0.9	WIRELINE	RUN DOWN	WL_RUN DN	RIH W/ WL
3/6/2016 08:39	3/6/2016 08:45	0.1	WIRELINE	PLUG/PERF	WL_PERF	STG 12 SET CFP @ 17,026 PERF 16,801-17,003
3/6/2016 08:45	3/6/2016 09:30	0.75	WIRELINE	RUN DOWN	WL_RUN DN	POH W/ WL
3/6/2016 09:30	3/6/2016 11:25	1.92	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	WO OFF SET WELLS
3/6/2016 11:25	3/6/2016 11:40	0.25	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD LUBE
3/6/2016 11:40	3/6/2016 14:40	3	NONOPS	NON ACTIVE DUE TO OFFSET PAD	OFFSET	WO OFF SET WELLS
3/6/2016 14:40	3/6/2016 15:00	0.33	FRAC	SWING IRON	IRON	Swing Iron
3/6/2016 15:00	3/6/2016 15:07	0.13	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test Lines
3/6/2016 15:07	3/6/2016 17:48	2.67	FRAC	FRAC / STIM	STIM	Frac Stage 12 of 41
3/6/2016 17:48	3/6/2016 18:04	0.28	FRAC	SWING IRON	IRON	SWING IRON
3/6/2016 18:04	3/6/2016 18:19	0.25	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU LUBE
3/6/2016 18:19	3/6/2016 19:06	0.78	WIRELINE	RUN DOWN	WL_RUN DN	RIH
3/6/2016 19:06	3/6/2016 19:12	0.1	WIRELINE	PLUG/PERF	WL_PERF	P/P STG # 13 PLUG @16786' PERF TO DESIGN.
3/6/2016 19:12	3/6/2016 19:49	0.62	WIRELINE	RUN UP	WL_RUN UP	POOH
3/6/2016 19:49	3/6/2016 21:12	1.37	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON 31H OPS
3/6/2016 21:12	3/6/2016 21:19	0.13	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD LUBE.
3/6/2016 21:19	3/7/2016 01:00	3.68	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON 29H FRAC OPS
3/7/2016 01:00	3/7/2016 01:18	0.3	FRAC	SWING IRON	IRON	SWING IRON
3/7/2016 01:18	3/7/2016 02:17	0.98	TEST	SURFACE LINES/PUMP	TEST_LI NE	TEST LINES
3/7/2016 02:17	3/7/2016 04:49	2.53	FRAC	FRAC / STIM	STIM	FRAC STG# 13 OF 41
3/7/2016 04:49	3/7/2016 05:01	0.2	FRAC	SWING IRON	IRON	SWING IRON
3/7/2016 05:01	3/7/2016 05:21	0.33	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU LUBE
3/7/2016 05:21	3/7/2016 06:00	0.65	WIRELINE	RUN DOWN	WL_RUN DN	RIH

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Report #: 14 Daily Operation: 3/7/2016 06:00 - 3/8/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM		AFE Number 037158
Days From Spud (days) 85	Days on Location (days) 14	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, 3

Operations Summary
FRAC STG'S 14,15
P/P STG'S 14, 15 ,16

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/7/2016 06:00	3/7/2016 06:04	0.08	WIRELINE	PLUG/PERF	WL_PER F	Plug @ 16,546 perforate stage 14 as designed
3/7/2016 06:04	3/7/2016 07:04	1	WIRELINE	RUN UP	WL_RUN UP	POOH W Wireline
3/7/2016 07:04	3/7/2016 08:00	0.92	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 31 Frac
3/7/2016 08:00	3/7/2016 08:10	0.17	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	RD Lub
3/7/2016 08:10	3/7/2016 11:40	3.5	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 29/31 Stim Ops
3/7/2016 11:40	3/7/2016 12:34	0.9	TEST	PRIME	TEST_P RIME	PRIME & TEST
3/7/2016 12:34	3/7/2016 15:03	2.48	FRAC	FRAC / STIM	STIM	FRAC STG 14
3/7/2016 15:03	3/7/2016 15:25	0.37	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU LUBE
3/7/2016 15:25	3/7/2016 16:14	0.82	WIRELINE	RUN DOWN	WL_RUN DN	RIH W/ WL
3/7/2016 16:14	3/7/2016 16:20	0.1	WIRELINE	PLUG/PERF	WL_PER F	STG 15 SET CFP @ 16,306' PERF 16,801'-16,283'
3/7/2016 16:20	3/7/2016 17:00	0.67	WIRELINE	RUN UP	WL_RUN UP	POH W/ WL
3/7/2016 17:00	3/7/2016 18:25	1.42	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	WO OFF SET WELLS
3/7/2016 18:25	3/7/2016 18:30	0.08	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	RD LUBE ALL SHOTS FIRED DROP BALL
3/7/2016 18:30	3/7/2016 18:55	0.42	SETUP	FRAC STACK	FRAC_S TAC	GREASE WELLHEAD
3/7/2016 18:55	3/7/2016 23:15	4.33	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON 29H FRAC OPS.
3/7/2016 23:15	3/7/2016 23:32	0.28	FRAC	SWING IRON	IRON	SWING IRON
3/7/2016 23:32	3/8/2016 01:22	1.83	FRAC	ZIPPER MAINTENANCE	ZIP_MAI NT	REPAIR FRAC PUMPS
3/8/2016 01:22	3/8/2016 01:30	0.13	TEST	SURFACE LINES/PUMP	TEST_LI NE	TEST LINES
3/8/2016 01:30	3/8/2016 04:00	2.5	FRAC	FRAC / STIM	STIM	FRAC STG #15 OF 41
3/8/2016 04:00	3/8/2016 04:19	0.33	FRAC	SWING IRON	IRON	SWING IRON
3/8/2016 04:19	3/8/2016 04:39	0.33	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU LUBE
3/8/2016 04:39	3/8/2016 05:22	0.72	WIRELINE	RUN DOWN	WL_RUN DN	RIH
3/8/2016 05:22	3/8/2016 05:28	0.1	WIRELINE	PLUG/PERF	WL_PER F	P/P STG # 16
3/8/2016 05:28	3/8/2016 06:00	0.52	WIRELINE	RUN UP	WL_RUN UP	POOH

Report #: 15 Daily Operation: 3/8/2016 06:00 - 3/9/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM		AFE Number 037158
Days From Spud (days) 86	Days on Location (days) 15	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, 3

Operations Summary
FRAC STG'S 16,17
P/P STG'S 17,18

Remarks

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/8/2016 06:00	3/8/2016 07:19	1.32	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	WO OFF SET WELLS
3/8/2016 07:19	3/8/2016 07:30	0.18	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD LUBE ALL SHOTS FIRED DROP BALL.
3/8/2016 07:30	3/8/2016 11:10	3.67	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	WO OFF SET WELLS.
3/8/2016 11:10	3/8/2016 12:09	0.98	TEST	PRIME	TEST_P RIME	PRIME & TEST
3/8/2016 12:09	3/8/2016 14:31	2.37	FRAC	FRAC / STIM	STIM	FRAC STG 16
3/8/2016 14:31	3/8/2016 14:52	0.35	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU LUBE
3/8/2016 14:52	3/8/2016 15:39	0.78	WIRELINE	RUN DOWN	WL_RUN DN	RIH W/ WL
3/8/2016 15:39	3/8/2016 15:45	0.1	WIRELINE	PLUG/PERF	WL_PER F	STG 17 SET CFP @ 15,826' PERF 15,601'-15,803'
3/8/2016 15:45	3/8/2016 16:30	0.75	WIRELINE	RUN UP	WL_RUN UP	POH W/ WL
3/8/2016 16:30	3/8/2016 18:04	1.58	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	WO OFF SET WELLS
3/8/2016 18:04	3/8/2016 18:19	0.25	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD LUBE
3/8/2016 18:19	3/8/2016 22:45	4.42	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON 29H OPS
3/8/2016 22:45	3/8/2016 23:25	0.67	FRAC	SWING IRON	IRON	SWING IRON
3/8/2016 23:25	3/8/2016 23:33	0.13	TEST	SURFACE LINES/PUMP	TEST_LI NE	TEST LINES
3/8/2016 23:33	3/9/2016 01:51	2.3	FRAC	FRAC / STIM	STIM	FRAC STG 17
3/9/2016 01:51	3/9/2016 02:00	0.15	FRAC	SWING IRON	IRON	SWING IRON
3/9/2016 02:00	3/9/2016 02:30	0.5	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU LUBE
3/9/2016 02:30	3/9/2016 03:16	0.78	WIRELINE	RUN DOWN	WL_RUN DN	RIH
3/9/2016 03:16	3/9/2016 03:22	0.1	WIRELINE	PLUG/PERF	WL_PER F	P/P STG # 18 PLUG @ 15589' PERF TO DESIGN.
3/9/2016 03:22	3/9/2016 04:30	1.12	WIRELINE	RUN UP	WL_RUN UP	POOH
3/9/2016 04:30	3/9/2016 06:00	1.5	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	WAIT ON 31H OPS

Report #: 16 Daily Operation: 3/9/2016 06:00 - 3/10/2016 06:00

Job Category	Primary Job Type	AFE Number
ORIG COMPLETION	OCM	037158

Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
87	16	0.0			PIONEER PUMPING SERVICES, 3

Operations Summary
FRAC STG 18,19
WL STG 19.20

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/9/2016 06:00	3/9/2016 08:54	2.9	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Waiting on 29H & 31H ops
3/9/2016 08:54	3/9/2016 08:58	0.08	FRAC	SWING IRON	IRON	Swing iron from 29H
3/9/2016 08:58	3/9/2016 09:15	0.27	TEST	PRIME	TEST_P RIME	Prime up pumps
3/9/2016 09:15	3/9/2016 10:00	0.75	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test surf lines and pop off valve. Test good
3/9/2016 10:00	3/9/2016 12:19	2.33	FRAC	FRAC / STIM	STIM	Frac stg 18
3/9/2016 12:19	3/9/2016 12:24	0.08	FRAC	SWING IRON	IRON	Swing iron from 30H to 31H
3/9/2016 12:24	3/9/2016 12:47	0.38	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU Lube

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/9/2016 12:47	3/9/2016 13:24	0.62	WIRELINE	RUN DOWN	WL_RUN DN	RIH
3/9/2016 13:24	3/9/2016 13:29	0.08	WIRELINE	PLUG/PERF	WL_PER F	P/P stg 19
3/9/2016 13:29	3/9/2016 14:00	0.51	WIRELINE	RUN UP	WL_RUN UP	POOH
3/9/2016 14:00	3/9/2016 15:24	1.4	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 29H and 31H ops
3/9/2016 15:24	3/9/2016 15:43	0.33	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	Test lube. Test good. RD Lube
3/9/2016 15:43	3/9/2016 16:42	0.98	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Greas wellhead and Wait on 29H and 31H ops
3/9/2016 16:42	3/9/2016 16:47	0.08	FRAC	SWING IRON	IRON	Swing Iron
3/9/2016 16:47	3/9/2016 16:55	0.13	TEST	PRIME	TEST_P RIME	PRIME & TEST
3/9/2016 16:55	3/9/2016 19:18	2.38	FRAC	FRAC / STIM	STIM	FRAC STG 19
3/9/2016 19:18	3/9/2016 19:40	0.38	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU LUBE
3/9/2016 19:40	3/9/2016 20:30	0.82	WIRELINE	RUN DOWN	WL_RUN DN	RIH W/ WL
3/9/2016 20:30	3/9/2016 20:36	0.1	WIRELINE	PLUG/PERF	WL_PER F	STG # 20 SET CFP @ 15,106 PERF 14,881-15,083.
3/9/2016 20:36	3/9/2016 21:01	0.42	WIRELINE	RUN UP	WL_RUN UP	POH W/ WL
3/9/2016 21:01	3/9/2016 22:31	1.5	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	WO OFF SET WELLS
3/9/2016 22:31	3/9/2016 22:46	0.25	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	RD LUBE ALL SHOTS FIRED DROP BALL.
3/9/2016 22:46	3/10/2016 06:00	7.23	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	WO OFF SET WELLS.

Report #: 17 Daily Operation: 3/10/2016 06:00 - 3/11/2016 06:00

Job Category	Primary Job Type	AFE Number
ORIG COMPLETION	OCM	037158
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)
88	17	0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
		PIONEER PUMPING SERVICES, 3

Operations Summary
FRAC STG 20, 21
WL STG 21, 22

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/10/2016 06:00	3/10/2016 16:45	10.75	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 29H & 31H ops
3/10/2016 16:45	3/10/2016 17:13	0.47	TEST	PRIME	TEST_P RIME	PRIME & TEST
3/10/2016 17:13	3/10/2016 19:34	2.35	FRAC	FRAC / STIM	STIM	FRAC 20
3/10/2016 19:34	3/10/2016 20:00	0.43	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU LUBE
3/10/2016 20:00	3/10/2016 20:43	0.73	WIRELINE	RUN DOWN	WL_RUN DN	RIH W/ WL
3/10/2016 20:43	3/10/2016 20:49	0.1	WIRELINE	PLUG/PERF	WL_PER F	STG #21 SET CFP @14,866' PERF 14,641-14,843'
3/10/2016 20:49	3/10/2016 21:30	0.67	WIRELINE	RUN UP	WL_RUN UP	POH W/ WL
3/10/2016 21:30	3/10/2016 23:04	1.58	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	WO OFF SET WELLS
3/10/2016 23:04	3/10/2016 23:20	0.26	WIRELINE	PLUG/PERF	WL_PER F	RD LUBE ALL SHOTS FIRED DROP BALL.
3/10/2016 23:20	3/11/2016 01:48	2.47	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	WO OFF SET WELLS

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/11/2016 01:48	3/11/2016 02:00	0.2	FRAC	SWING IRON	IRON	Swing Iron
3/11/2016 02:00	3/11/2016 02:26	0.43	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test Lines to 9,500 psi
3/11/2016 02:26	3/11/2016 04:41	2.25	FRAC	FRAC / STIM	STIM	Frac Stage 21 of 41
3/11/2016 04:41	3/11/2016 05:00	0.32	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU Lub
3/11/2016 05:00	3/11/2016 05:53	0.88	WIRELINE	RUN DOWN	WL_RUN DN	RIH With Wireline
3/11/2016 05:53	3/11/2016 06:00	0.12	WIRELINE	PLUG/PERF	WL_PER F	Plug @ 14,626' and perforate stage 22

Report #: 18 Daily Operation: 3/11/2016 06:00 - 3/12/2016 06:00

Job Category	Primary Job Type	AFE Number
ORIG COMPLETION	OCM	037158
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)
89	18	0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
		PIONEER PUMPING SERVICES, 3

Operations Summary
FRAC STG 22,23
WL STG 23,24

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/11/2016 06:00	3/11/2016 06:30	0.5	WIRELINE	RUN UP	WL_RUN UP	POOH
3/11/2016 06:30	3/11/2016 10:42	4.2	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 29h & 31H ops
3/11/2016 10:42	3/11/2016 10:46	0.08	FRAC	SWING IRON	IRON	Swing iron from 29H
3/11/2016 10:46	3/11/2016 11:22	0.6	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test surf lines
3/11/2016 11:22	3/11/2016 13:43	2.35	FRAC	FRAC / STIM	STIM	Frac stg 22
3/11/2016 13:43	3/11/2016 13:48	0.08	FRAC	SWING IRON	IRON	Swing iron to 31H
3/11/2016 13:48	3/11/2016 14:04	0.27	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU Lube
3/11/2016 14:04	3/11/2016 14:40	0.6	WIRELINE	RUN DOWN	WL_RUN DN	RIH
3/11/2016 14:40	3/11/2016 14:46	0.1	WIRELINE	PLUG/PERF	WL_PER F	P/P stg 23
3/11/2016 14:46	3/11/2016 15:21	0.58	WIRELINE	RUN UP	WL_RUN UP	POOH
3/11/2016 15:21	3/11/2016 20:29	5.13	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 29H & 31H ops
3/11/2016 20:29	3/11/2016 21:28	0.98	TEST	PRIME	TEST_P RIME	PRIME & TEST
3/11/2016 21:28	3/12/2016 02:29	5.02	FRAC	FRAC / STIM	STIM	FRAC STG 23
3/12/2016 02:29	3/12/2016 02:50	0.35	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU LUBE
3/12/2016 02:50	3/12/2016 03:28	0.63	WIRELINE	RUN DOWN	WL_RUN DN	RIH W/ WL
3/12/2016 03:28	3/12/2016 03:34	0.1	WIRELINE	PLUG/PERF	WL_PER F	STG # 24 SET CFP @ 14,146' PERF 13,921'-14,123'
3/12/2016 03:34	3/12/2016 04:04	0.5	WIRELINE	RUN UP	WL_RUN UP	POH W/ WL
3/12/2016 04:04	3/12/2016 06:00	1.94	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	WO OFF SET WELLS

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Report #: 19 Daily Operation: 3/12/2016 06:00 - 3/13/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM		AFE Number 037158
Days From Spud (days) 90	Days on Location (days) 19	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, 3

Operations Summary
Frac stages 24,25
WL stages 25,26

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/12/2016 06:00	3/12/2016 06:15	0.25	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lub
3/12/2016 06:15	3/12/2016 10:19	4.08	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Waiting on the 29H to finish frac ops.
3/12/2016 10:19	3/12/2016 10:49	0.5	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Waiting on WL to Re head. See IP
3/12/2016 10:49	3/12/2016 10:54	0.08	FRAC	SWING IRON	IRON	Swing Iron
3/12/2016 10:54	3/12/2016 10:59	0.08	TEST	PRIME	TEST_P_RIME	Prime up pumps
3/12/2016 10:59	3/12/2016 11:10	0.18	TEST	SURFACE LINES/PUMP	TEST_LI_NE	Test surf lines. Test good.
3/12/2016 11:10	3/12/2016 13:28	2.3	FRAC	FRAC / STIM	STIM	Frac Stg 24.
3/12/2016 13:28	3/12/2016 14:03	0.58	NONOPS	NON ACTIVE DUE TO SAFETY EVENT	SAFETY	Safety stand down. See IP
3/12/2016 14:03	3/12/2016 14:10	0.12	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU Lube
3/12/2016 14:10	3/12/2016 14:52	0.7	WIRELINE	RUN DOWN	WL_RUN_DN	RIH
3/12/2016 14:52	3/12/2016 14:58	0.1	WIRELINE	PLUG/PERF	WL_PERF	P/P stg 25
3/12/2016 14:58	3/12/2016 15:28	0.5	WIRELINE	RUN UP	WL_RUN_UP	POOH
3/12/2016 15:28	3/12/2016 21:05	5.62	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait
3/12/2016 21:05	3/12/2016 21:47	0.7	TEST	PRIME	TEST_P_RIME	PRIME & TEST
3/12/2016 21:47	3/13/2016 00:02	2.25	FRAC	FRAC / STIM	STIM	FRAC STG 25
3/13/2016 00:02	3/13/2016 00:20	0.3	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU LUBE
3/13/2016 00:20	3/13/2016 01:04	0.73	WIRELINE	RUN DOWN	WL_RUN_DN	RIH W/ WL
3/13/2016 01:04	3/13/2016 01:10	0.1	WIRELINE	PLUG/PERF	WL_PERF	STG # 26 SET CFP @ 13,666'
3/13/2016 01:10	3/13/2016 01:45	0.58	WIRELINE	RUN UP	WL_RUN_UP	POH W/ WL
3/13/2016 01:45	3/13/2016 02:30	0.75	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	WO OFF SET WELLS
3/13/2016 02:30	3/13/2016 03:30	1	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	TIME CHANGE
3/13/2016 03:30	3/13/2016 03:55	0.42	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	WO OFF SET WELLS
3/13/2016 03:55	3/13/2016 04:15	0.33	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD LUBE ALL SHOTS FIRED DROP BALL
3/13/2016 04:15	3/13/2016 06:00	1.75	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	WO OFF SET WELLS

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Report #: 20 Daily Operation: 3/13/2016 06:00 - 3/14/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM		AFE Number 037158
Days From Spud (days) 91	Days on Location (days) 20	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, 3

Operations Summary
Frac stages 26,27
WL stages 27,28

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/13/2016 06:00	3/13/2016 10:00	4	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on offset wells ops
3/13/2016 10:00	3/13/2016 10:04	0.08	FRAC	SWING IRON	IRON	Swing Iron
3/13/2016 10:04	3/13/2016 11:15	1.17	TEST	PRIME	TEST_P RIME	Prime Pumps. See IP
3/13/2016 11:15	3/13/2016 11:27	0.2	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test surf lines
3/13/2016 11:27	3/13/2016 13:49	2.37	FRAC	FRAC / STIM	STIM	Frac Stg 26
3/13/2016 13:49	3/13/2016 13:54	0.08	FRAC	SWING IRON	IRON	Swing Iron
3/13/2016 13:54	3/13/2016 14:13	0.32	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU Lube
3/13/2016 14:13	3/13/2016 14:55	0.7	WIRELINE	RUN DOWN	WL_RUN DN	RIH
3/13/2016 14:55	3/13/2016 15:01	0.1	WIRELINE	PLUG/PERF	WL_PER F	P/P Stg 27
3/13/2016 15:01	3/13/2016 15:30	0.48	SLICKLINE	RUN UP	SL_RUN UP	POOH
3/13/2016 15:30	3/13/2016 17:00	1.5	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on offset well ops
3/13/2016 17:00	3/13/2016 17:10	0.17	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	RD LUBE ALL SHOTS FIRED DROP BALL
3/13/2016 17:10	3/13/2016 20:00	2.83	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	WO OFF SET WELLS
3/13/2016 20:00	3/13/2016 20:51	0.85	TEST	PRIME	TEST_P RIME	PRIME & TEST
3/13/2016 20:51	3/13/2016 23:06	2.25	FRAC	FRAC / STIM	STIM	FRAC STG 27
3/13/2016 23:06	3/13/2016 23:30	0.4	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU LUBE
3/13/2016 23:30	3/14/2016 00:04	0.57	WIRELINE	RUN DOWN	WL_RUN DN	RIH W/ WL
3/14/2016 00:04	3/14/2016 00:10	0.1	WIRELINE	PLUG/PERF	WL_PER F	STG # 28 SET CFP @ 13,186"
3/14/2016 00:10	3/14/2016 01:00	0.83	WIRELINE	RUN UP	WL_RUN UP	POH W/ WL
3/14/2016 01:00	3/14/2016 01:45	0.75	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	WO OFF SET WELLS
3/14/2016 01:45	3/14/2016 02:00	0.25	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	RD LUBE ALL SHOTS FIRED DROP BALL
3/14/2016 02:00	3/14/2016 05:00	3	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	WO OFF SET WELLS
3/14/2016 05:00	3/14/2016 05:10	0.17	FRAC	SWING IRON	IRON	Swing Iron From 29H
3/14/2016 05:10	3/14/2016 06:00	0.84	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test Lines 9,500 psi

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Report #: 21 Daily Operation: 3/14/2016 06:00 - 3/15/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM		AFE Number 037158
Days From Spud (days) 92	Days on Location (days) 21	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, 3

Operations Summary
Frac stages 28,29,30
WL stages 29,30,31

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/14/2016 06:00	3/14/2016 06:51	0.85	TEST	SURFACE LINES/PUMP	TEST_LI NE	Cont to test surf lines. Test pop off valve. Had a few leaks.
3/14/2016 06:51	3/14/2016 09:11	2.34	FRAC	FRAC / STIM	STIM	Frac Stg 28
3/14/2016 09:11	3/14/2016 09:16	0.08	FRAC	SWING IRON	IRON	Swing Iron
3/14/2016 09:16	3/14/2016 09:30	0.23	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU Lube
3/14/2016 09:30	3/14/2016 10:07	0.62	WIRELINE	RUN DOWN	WL_RUN DN	RIH
3/14/2016 10:07	3/14/2016 10:13	0.1	WIRELINE	PLUG/PERF	WL_PER F	P/P 29
3/14/2016 10:13	3/14/2016 10:40	0.45	SLICKLINE	RUN DOWN	SL_RUN DN	POOH
3/14/2016 10:40	3/14/2016 15:23	4.72	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on off set well ops
3/14/2016 15:23	3/14/2016 15:28	0.08	FRAC	SWING IRON	IRON	Swing Iron
3/14/2016 15:28	3/14/2016 16:20	0.87	TEST	PRIME	TEST_P RIME	PRIME & TEST
3/14/2016 16:20	3/14/2016 18:36	2.27	FRAC	FRAC / STIM	STIM	FRAC STG 29
3/14/2016 18:36	3/14/2016 18:55	0.32	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU LUBE
3/14/2016 18:55	3/14/2016 19:24	0.48	WIRELINE	RUN DOWN	WL_RUN DN	RIH W/ WL
3/14/2016 19:24	3/14/2016 19:30	0.1	WIRELINE	PLUG/PERF	WL_PER F	STG # 30 SET CFP @ 12,706'
3/14/2016 19:30	3/14/2016 20:00	0.5	WIRELINE	RUN UP	WL_RUN UP	POH W/ WL
3/14/2016 20:00	3/14/2016 21:45	1.75	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	WO OFF SET WELLS
3/14/2016 21:45	3/14/2016 21:55	0.17	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	RD LUBE ALL SHOTS FIRED DROP BALL
3/14/2016 21:55	3/15/2016 00:57	3.02	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	WO OFF SET WELLS
3/15/2016 00:57	3/15/2016 01:07	0.17	FRAC	SWING IRON	IRON	Swing Iron and wait on WL to rehead
3/15/2016 01:07	3/15/2016 01:46	0.65	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test Lines 9,500 psi
3/15/2016 01:46	3/15/2016 03:59	2.22	FRAC	FRAC / STIM	STIM	Frac Stage 30
3/15/2016 03:59	3/15/2016 04:20	0.35	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU Lub
3/15/2016 04:20	3/15/2016 04:51	0.52	WIRELINE	RUN DOWN	WL_RUN DN	RIH W Wireline
3/15/2016 04:51	3/15/2016 04:58	0.12	WIRELINE	PLUG/PERF	WL_PER F	Plug @12,466' and perforate 31 as designed
3/15/2016 04:58	3/15/2016 05:31	0.55	WIRELINE	RUN UP	WL_RUN UP	POOH W Wireline
3/15/2016 05:31	3/15/2016 06:00	0.48	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 31 H Frac

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Report #: 22 Daily Operation: 3/15/2016 06:00 - 3/16/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037158
Days From Spud (days) 93	Days on Location (days) 22	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, 3	

Operations Summary
Frac stages 31,32
WL stages 32,33

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/15/2016 06:00	3/15/2016 11:34	5.58	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on offset well ops
3/15/2016 11:34	3/15/2016 11:39	0.08	FRAC	SWING IRON	IRON	Swing iron
3/15/2016 11:39	3/15/2016 11:59	0.33	TEST	PRIME	TEST_P RIME	Prime up pumps
3/15/2016 11:59	3/15/2016 12:39	0.67	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test surf lines and pop off valve. Tests good.
3/15/2016 12:39	3/15/2016 15:04	2.42	FRAC	FRAC / STIM	STIM	Frac Stg 31
3/15/2016 15:04	3/15/2016 15:15	0.17	FRAC	SWING IRON	IRON	Swing Iron
3/15/2016 15:15	3/15/2016 15:24	0.15	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU Lube
3/15/2016 15:24	3/15/2016 15:54	0.5	WIRELINE	RUN DOWN	WL_RUN DN	RIH
3/15/2016 15:54	3/15/2016 16:00	0.1	WIRELINE	PLUG/PERF	WL_PER F	P/P stg 32
3/15/2016 16:00	3/15/2016 16:30	0.5	WIRELINE	RUN UP	WL_RUN UP	POOH
3/15/2016 16:30	3/15/2016 22:19	5.83	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on offset well
3/15/2016 22:19	3/15/2016 23:12	0.88	TEST	PRIME	TEST_P RIME	PRIME & TEST
3/15/2016 23:12	3/16/2016 01:26	2.23	FRAC	FRAC / STIM	STIM	FRAC STG 32
3/16/2016 01:26	3/16/2016 01:44	0.3	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU LUBE
3/16/2016 01:44	3/16/2016 02:13	0.48	WIRELINE	RUN DOWN	WL_RUN DN	RIH W/ WL
3/16/2016 02:13	3/16/2016 02:19	0.1	WIRELINE	PLUG/PERF	WL_PER F	STG # 33 SET CFP @ 11,986"
3/16/2016 02:19	3/16/2016 02:59	0.67	WIRELINE	RUN UP	WL_RUN UP	POH W/ WL
3/16/2016 02:59	3/16/2016 04:19	1.33	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	WO OFF SET WELLS
3/16/2016 04:19	3/16/2016 04:44	0.42	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	RD LUBE ALL SHOTS FIRED DROP BALL
3/16/2016 04:44	3/16/2016 06:00	1.26	NONOPS	NON ACTIVE DUE TO PLANNED EVENT	PLANNE D	WO OFF SET WELLS

Report #: 23 Daily Operation: 3/16/2016 06:00 - 3/17/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037158	
Days From Spud (days) 94	Days on Location (days) 23	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, 3		

Operations Summary
Frac stages 33,34
WL stages 34,35

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/16/2016 06:00	3/16/2016 09:07	3.12	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on offset wells

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/16/2016 09:07	3/16/2016 11:58	2.85	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test surf lines. Test good
3/16/2016 11:58	3/16/2016 14:16	2.3	FRAC	FRAC / STIM	STIM	Frac Stg 33
3/16/2016 14:16	3/16/2016 14:35	0.32	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU Lube
3/16/2016 14:35	3/16/2016 15:07	0.53	WIRELINE	RUN DOWN	WL_RUN DN	RIH
3/16/2016 15:07	3/16/2016 15:13	0.1	WIRELINE	PLUG/PERF	WL_PERF	P/P Stg 34. Plug set @ 11,746
3/16/2016 15:13	3/16/2016 22:14	7.02	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on offset wells
3/16/2016 22:14	3/16/2016 22:19	0.08	FRAC	SWING IRON	IRON	Swing Iron
3/16/2016 22:19	3/16/2016 22:29	0.17	TEST	PRIME	TEST_P RIME	Prime pumps
3/16/2016 22:29	3/16/2016 23:00	0.52	WIRELINE	RUN UP	WL_RUN UP	POOH
3/16/2016 23:00	3/16/2016 23:15	0.25	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test surf lines. Test good.
3/16/2016 23:15	3/17/2016 01:29	2.23	FRAC	FRAC / STIM	STIM	Frac stg 34
3/17/2016 01:29	3/17/2016 01:40	0.18	FRAC	SWING IRON	IRON	Swing Iron
3/17/2016 01:40	3/17/2016 01:50	0.17	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU Lube
3/17/2016 01:50	3/17/2016 02:14	0.4	WIRELINE	RUN DOWN	WL_RUN DN	RIH
3/17/2016 02:14	3/17/2016 02:20	0.1	WIRELINE	PLUG/PERF	WL_PERF	P/P Stg 35
3/17/2016 02:20	3/17/2016 02:55	0.58	WIRELINE	RUN UP	WL_RUN UP	POOH
3/17/2016 02:55	3/17/2016 04:10	1.25	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on offset wells
3/17/2016 04:10	3/17/2016 04:20	0.17	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lub
3/17/2016 04:20	3/17/2016 06:00	1.67	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Waiting on the 29H to finish frac ops.

Report #: 24 Daily Operation: 3/17/2016 06:00 - 3/18/2016 06:00

Job Category	Primary Job Type	AFE Number
ORIG COMPLETION	OCM	037158
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)
95	24	0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
		PIONEER PUMPING SERVICES, 3

Operations Summary
Frac stages 35,36
WL stages 36,37

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/17/2016 06:00	3/17/2016 06:42	0.7	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Pad Wait
3/17/2016 06:42	3/17/2016 08:15	1.55	TEST	SURFACE LINES/PUMP	TEST_LI NE	Prime/test waiting for grease guy to clear way from greasing the 29H to pressure test 705-747 Set pop offs
3/17/2016 08:15	3/17/2016 10:35	2.34	FRAC	FRAC / STIM	STIM	Stage 35
3/17/2016 10:35	3/17/2016 11:25	0.83	SETUP	FRAC STACK	FRAC_S TAC	Grease Well
3/17/2016 11:25	3/17/2016 11:38	0.22	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU Lube
3/17/2016 11:38	3/17/2016 12:25	0.78	WIRELINE	RUN DOWN	WL_RUN DN	RIH

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/17/2016 12:25	3/17/2016 12:31	0.1	WIRELINE	PLUG/PERF	WL_PERF	Plug set @ 11,266
3/17/2016 12:31	3/17/2016 12:53	0.37	WIRELINE	RUN UP	WL_RUN UP	POOH
3/17/2016 12:53	3/17/2016 14:35	1.7	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Pad Wait
3/17/2016 14:35	3/17/2016 14:46	0.18	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube
3/17/2016 14:46	3/17/2016 17:47	3.02	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Pad Wait
3/17/2016 17:47	3/17/2016 17:53	0.1	FRAC	SWING IRON	IRON	Swing Iron
3/17/2016 17:53	3/17/2016 18:58	1.08	TEST	SURFACE LINES/PUMP	TEST_LINE	Test surf lines. WL Re head
3/17/2016 18:58	3/17/2016 21:06	2.13	FRAC	FRAC / STIM	STIM	Frac Stg 36
3/17/2016 21:06	3/17/2016 21:12	0.1	FRAC	SWING IRON	IRON	Swing iron
3/17/2016 21:12	3/17/2016 21:22	0.18	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU Lube
3/17/2016 21:22	3/17/2016 21:49	0.45	WIRELINE	RUN DOWN	WL_RUN DN	RIH
3/17/2016 21:49	3/17/2016 21:55	0.1	WIRELINE	PLUG/PERF	WL_PERF	P/P Stg 37
3/17/2016 21:55	3/17/2016 22:24	0.48	WIRELINE	RUN UP	WL_RUN UP	POOH
3/17/2016 22:24	3/18/2016 02:59	4.58	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on offset wells
3/18/2016 02:59	3/18/2016 03:04	0.08	FRAC	SWING IRON	IRON	Swing iron
3/18/2016 03:04	3/18/2016 03:34	0.5	WIRELINE	REHEAD	WL_REHEAD	WL Re head
3/18/2016 03:34	3/18/2016 03:43	0.16	TEST	PRIME	TEST_PRIME	Prime up pumpsQ
3/18/2016 03:43	3/18/2016 03:58	0.25	TEST	SURFACE LINES/PUMP	TEST_LINE	Test surf lines
3/18/2016 03:58	3/18/2016 06:00	2.02	FRAC	FRAC / STIM	STIM	Fracing stage 37 at report time

Report #: 25 Daily Operation: 3/18/2016 06:00 - 3/19/2016 06:00

Job Category	ORIG COMPLETION			Primary Job Type	OCM		AFE Number	037158
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig			PIONEER PUMPING SERVICES, 3
96	25	0.0						

Operations Summary

Frac Stages 37,38,39

Wireline 38,39,40

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/18/2016 06:00	3/18/2016 06:06	0.1	FRAC	FRAC / STIM	STIM	Finish Frac on stg 37
3/18/2016 06:06	3/18/2016 06:36	0.5	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU Lube
3/18/2016 06:36	3/18/2016 07:34	0.97	WIRELINE	RUN DOWN	WL_RUN DN	RIH
3/18/2016 07:34	3/18/2016 07:40	0.1	WIRELINE	PLUG/PERF	WL_PERF	P/P stge 38 Set Plug@10786
3/18/2016 07:40	3/18/2016 08:05	0.42	WIRELINE	RUN UP	WL_RUN UP	POOH
3/18/2016 08:05	3/18/2016 09:42	1.62	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Pad Wait

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/18/2016 09:42	3/18/2016 09:52	0.17	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube
3/18/2016 09:52	3/18/2016 14:05	4.21	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Pad Wait
3/18/2016 14:05	3/18/2016 14:35	0.5	TEST	PRIME	TEST_P_RIME	Prime
3/18/2016 14:35	3/18/2016 15:03	0.47	TEST	SURFACE LINES/PUMP	TEST_LI_NE	Test Lines
3/18/2016 15:03	3/18/2016 17:26	2.38	FRAC	FRAC / STIM	STIM	Stage 38
3/18/2016 17:26	3/18/2016 17:36	0.17	FRAC	SWING IRON	IRON	Swing Iron
3/18/2016 17:36	3/18/2016 17:50	0.23	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU Lub
3/18/2016 17:50	3/18/2016 18:16	0.43	WIRELINE	RUN DOWN	WL_RUN_DN	RIH
3/18/2016 18:16	3/18/2016 18:22	0.1	WIRELINE	PLUG/PERF	WL_PERF	Plug @ 10,546'
3/18/2016 18:22	3/18/2016 18:50	0.47	WIRELINE	RUN UP	WL_RUN_UP	POOH
3/18/2016 18:50	3/18/2016 20:45	1.92	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Waiting on the 31H to finish frac ops.
3/18/2016 20:45	3/18/2016 20:55	0.17	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube
3/18/2016 20:55	3/18/2016 23:36	2.68	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Waiting on the 29H to finish frac ops.
3/18/2016 23:36	3/18/2016 23:41	0.08	FRAC	SWING IRON	IRON	Swing iron
3/18/2016 23:41	3/19/2016 00:48	1.12	TEST	SURFACE LINES/PUMP	TEST_LI_NE	Test surf lines
3/19/2016 00:48	3/19/2016 03:02	2.23	FRAC	FRAC / STIM	STIM	Frac stg 39
3/19/2016 03:02	3/19/2016 03:08	0.1	FRAC	SWING IRON	IRON	Swing iron
3/19/2016 03:08	3/19/2016 03:20	0.2	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	RU Lube
3/19/2016 03:20	3/19/2016 03:45	0.42	WIRELINE	RUN DOWN	WL_RUN_DN	RIH
3/19/2016 03:45	3/19/2016 03:51	0.1	WIRELINE	PLUG/PERF	WL_PERF	P/P Stg 40
3/19/2016 03:51	3/19/2016 04:14	0.38	WIRELINE	RUN UP	WL_RUN_UP	POOH
3/19/2016 04:14	3/19/2016 06:00	1.77	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on offset wells

Report #: 26 Daily Operation: 3/19/2016 06:00 - 3/20/2016 06:00

Job Category	Primary Job Type				AFE Number
ORIG COMPLETION	OCM				037158
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
97	26	0.0			PIONEER PUMPING SERVICES, 3

Operations Summary

Frac Stages 40

Wireline 41

Set Cap Plug at 8,510'

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/19/2016 06:00	3/19/2016 06:10	0.17	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB_RD	RD Lube
3/19/2016 06:10	3/19/2016 10:16	4.1	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Pad Wait

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/19/2016 10:16	3/19/2016 11:27	1.18	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test surf lines
3/19/2016 11:27	3/19/2016 13:48	2.35	FRAC	FRAC / STIM	STIM	Frac Stg 40
3/19/2016 13:48	3/19/2016 14:17	0.48 5	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU Lube
3/19/2016 14:17	3/19/2016 14:46	0.48 5	WIRELINE	RUN DOWN	WL_RUN DN	RIH
3/19/2016 14:46	3/19/2016 14:52	0.1	WIRELINE	PLUG/PERF	WL_PER F	P/P Stage 40 Set plug@ 10066
3/19/2016 14:52	3/19/2016 15:15	0.38	WIRELINE	RUN UP	WL_RUN UP	POOH
3/19/2016 15:15	3/19/2016 16:49	1.57	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Pad Wait
3/19/2016 16:49	3/19/2016 16:59	0.17	WIRELINE	RIG DOWN LUBRICATOR	WL_LUB _RD	RD Lube
3/19/2016 16:59	3/19/2016 19:49	2.83	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Pad Wait
3/19/2016 19:49	3/19/2016 20:00	0.18	FRAC	SWING IRON	IRON	Swing iron
3/19/2016 20:00	3/19/2016 20:43	0.72	TEST	SURFACE LINES/PUMP	TEST_LI NE	Test surf lines. test good
3/19/2016 20:43	3/19/2016 23:02	2.32	FRAC	FRAC / STIM	STIM	Frac stg 41
3/19/2016 23:02	3/19/2016 23:29	0.45	WIRELINE	RIG UP LUBRICATOR	WL_LUB _RU	RU Lube
3/19/2016 23:29	3/19/2016 23:54	0.42	WIRELINE	RUN DOWN	WL_RUN DN	RIH
3/19/2016 23:54	3/19/2016 23:55	0.02	WIRELINE	PLUG/PERF	WL_PER F	Set a cap plug at 8,510'.
3/19/2016 23:55	3/19/2016 23:57	0.03	TEST	MISC EQUIPMENT	TEST_E QUIP	Test cap plug to 2500 psi. test good. bled pressure to 0 psi. Negative test holding.
3/19/2016 23:57	3/20/2016 00:21	0.4	WIRELINE	RUN UP	WL_RUN UP	POOH
3/20/2016 00:21	3/20/2016 03:30	3.15	NONOPS	NON ACTIVE DUE TO PAD OPERATIONS	PAD	Wait on 31H ops
3/20/2016 03:30	3/20/2016 06:00	2.5	SETUP	RIG UP OR RIG DOWN	RURD	RDMO Frac spread

Report #: 27 Daily Operation: 3/20/2016 06:00 - 3/21/2016 06:00

Job Category	ORIG COMPLETION				Primary Job Type	OCM	AFE Number	037158
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig			
98	27	0.0						

Operations Summary

Rigging Down Waiting on Finalized Tickets

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/20/2016 06:00	3/20/2016 15:30	9.5	SETUP	RIG UP OR RIG DOWN	RURD	
3/20/2016 15:30	3/21/2016 06:00	14.5	NONOPS	WELL SHUT IN	SHUT_IN	

Report #: 28 Daily Operation: 3/21/2016 06:00 - 3/22/2016 06:00

Job Category	ORIG COMPLETION				Primary Job Type	OCM	AFE Number	037158
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig			
99	28	0.0						

Operations Summary

WSI waiting on the drill out ops on the 29H.

Remarks

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/21/2016 06:00	3/22/2016 06:00	24	SETUP	RIG UP OR RIG DOWN	RURD	WSI waiting on the drill out ops on the 29H.

Report #: 29 Daily Operation: 3/22/2016 06:00 - 3/23/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037158
Days From Spud (days) 100	Days on Location (days) 29	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

WSI waiting on the drill out ops on the 29H.

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/22/2016 06:00	3/23/2016 06:00	24	NONOPS	WELL SHUT IN	SHUT_IN	WSI waiting on the drill out ops on the 29H.

Report #: 30 Daily Operation: 3/23/2016 06:00 - 3/24/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037158
Days From Spud (days) 101	Days on Location (days) 30	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

WSI waiting on the drill out ops on the 29H.

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/23/2016 06:00	3/24/2016 06:00	24	NONOPS	WELL SHUT IN	SHUT_IN	WSI waiting on the drill out ops on the 29H.

Report #: 31 Daily Operation: 3/24/2016 06:00 - 3/25/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037158
Days From Spud (days) 102	Days on Location (days) 31	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

WSI waiting on the drill out ops on the 29H.

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/24/2016 06:00	3/25/2016 06:00	24	NONOPS	WELL SHUT IN	SHUT_IN	WSI waiting on the drill out ops on the 29H.

Report #: 32 Daily Operation: 3/25/2016 06:00 - 3/26/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037158
Days From Spud (days) 103	Days on Location (days) 32	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

WSI waiting on the drill out ops on the 29H.

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/25/2016 06:00	3/26/2016 06:00	24	NONOPS	WELL SHUT IN	SHUT_IN	WSI waiting on the drill out ops on the 29H.

Report #: 33 Daily Operation: 3/26/2016 06:00 - 3/27/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037158
Days From Spud (days) 104	Days on Location (days) 33	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

WSI waiting on the drill out ops on the 29H.

Remarks

Frac tanks-625-698-589-652-573-545

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/26/2016 06:00	3/27/2016 06:00	24	NONOPS	WELL SHUT IN	SHUT_IN	WSI waiting on the drill out ops on the 29H.

Report #: 34 Daily Operation: 3/27/2016 06:00 - 3/28/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037158
Days From Spud (days) 105	Days on Location (days) 34	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

WSI waiting on the drill out ops on the 29H. RU flowback & NU BOP equipment.

Remarks

Frac tanks-625-698-589-652-573-545
LTR Round bottom-MT0871
In use--RO-039

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/27/2016 06:00	3/28/2016 03:00	21	NONOPS	WELL SHUT IN	SHUT_IN	WSI waiting on the drill out ops on the 29H.
3/28/2016 03:00	3/28/2016 06:00	3	SETUP	RIG UP OR RIG DOWN	RURD	RU flowback & NU BOP equipment.

Report #: 35 Daily Operation: 3/28/2016 06:00 - 3/29/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037158
Days From Spud (days) 106	Days on Location (days) 35	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

WSI. MIRU rig & support equipment. RIH w/ PH-6 workstring. Tie back & RU swivel. Test BOP. Displace hole w/ salt system. D/O cap plug #42. W/D 2 jts & Circulate hole clean. EOT @ 8,624' on jt 276.

Remarks

Frac tanks-625-698-589-652-573-545
LTR Round bottom-MT0871
In use--RO-039

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/28/2016 06:00	3/28/2016 09:30	3.5	NONOPS	WELL SHUT IN	SHUT_IN	Well shut in waiting on 29H
3/28/2016 09:30	3/28/2016 17:00	7.5	SETUP	RIG UP OR RIG DOWN	RURD	MIRU rig #27 spot in work string and set up loc for D/O.
3/28/2016 17:00	3/28/2016 17:30	0.5	TEST	BOP	TEST_B OP	Test bop and flow back to 3000 psi. (tested good)
3/28/2016 17:30	3/28/2016 18:00	0.5	SETUP	RIG UP OR RIG DOWN	RURD	Pick up new redressed pdc 4-5/8" bit sub and dual float sub and r nipple 1 jt up.
3/28/2016 18:00	3/29/2016 00:45	6.75	WORKOVER	RUN IN HOLE	WOV_RI H	RIH w/ PH-6 work string. Load tubing every 50 jts. Tag cap plug @ 8,537' on jt 274.
3/29/2016 00:45	3/29/2016 02:45	2	SETUP	RIG UP OR RIG DOWN	RURD	Tie rig back ob single line. RU swivel.
3/29/2016 02:45	3/29/2016 03:15	0.5	TEST	BOP	TEST_B OP	Test both sets pipe rams to 3K. Tested good. Test annular to 2.5 K tested good.
3/29/2016 03:15	3/29/2016 04:12	0.95	WORKOVER	CIRCULATE	WOV_CI RC	Displace hole with salt system.
3/29/2016 04:12	3/29/2016 04:49	0.61 7	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Cap plug @ 8,547' on jt 274. Drill time 37 mins. Pumping 2.6 @ 1,800 psi.. Return rate 2.5 @ 60 psi.
3/29/2016 04:49	3/29/2016 06:00	1.18 3	WORKOVER	CIRCULATE	WOV_CI RC	W/D 2 jts. Circulate hole clean @ report time. EOT 8,624' on jt 274.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Report #: 36 Daily Operation: 3/29/2016 06:00 - 3/30/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM		AFE Number 037158
Days From Spud (days) 107	Days on Location (days) 36	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig

Operations Summary

D/O plug 41-28. EOT @ 13,422 w/ 431 jts 1 jt off plug #27. Circulate bottoms up after drilling 4 plugs @ report time.

Remarks

Frac tanks-625-698-589-652-573-545
LTR Round bottom-MT0871
In use--RO-039

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/29/2016 06:00	3/29/2016 10:17	4.29	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #41 @ 10,081' w/324 jts 2-7/8" tbg.
3/29/2016 10:17	3/29/2016 10:47	0.5	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 41. Drill time 30 mins. Circ (pump) pressure 2,000 psi @ 2.5 BPM, Return Rate @ 2.5 BPM @ 120 psi, Med sand and plug parts.
3/29/2016 10:47	3/29/2016 11:23	0.6	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #40 @ 10,314' w/331 jts 2-7/8" tbg.
3/29/2016 11:23	3/29/2016 11:50	0.45	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 40. Drill time 27 mins. Circ (pump) pressure 2,000 psi @ 2.5 BPM, Return Rate @ 2.5 BPM @ 110 psi, Med sand and plug parts.
3/29/2016 11:50	3/29/2016 12:50	1	WORKOVER	CIRCULATE	WOV_CI RC	Circ btms up. rig cwer took lunch.
3/29/2016 12:50	3/29/2016 13:30	0.66 7	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #39 @ 10,556' w/339 jts 2-7/8" tbg.
3/29/2016 13:30	3/29/2016 13:57	0.45	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 39. Drill time 27 mins. Circ (pump) pressure 2,000 psi @ 2.5 BPM, Return Rate @ 2.5 BPM @ 110 psi, Med sand and plug parts.
3/29/2016 13:57	3/29/2016 14:30	0.55	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #38 @ 10,804' w/347 jts 2-7/8" tbg.
3/29/2016 14:30	3/29/2016 15:05	0.58 3	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 38. Drill time 35 mins. Circ (pump) pressure 2,100 psi @ 2.5 BPM, Return Rate @ 2.5 BPM @ 90 psi, Med sand and plug parts.
3/29/2016 15:05	3/29/2016 15:38	0.55	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #37 @ 11,030' w/355 jts 2-7/8" tbg.
3/29/2016 15:38	3/29/2016 16:20	0.7	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 37. Drill time 42 mins. Circ (pump) pressure 2,200 psi @ 2.5 BPM, Return Rate @ 2.5 BPM @ 100 psi, Med sand and plug parts.
3/29/2016 16:20	3/29/2016 16:50	0.5	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #36 @ 11,270' w/362 jts 2-7/8" tbg.
3/29/2016 16:50	3/29/2016 17:10	0.33 3	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 36. Drill time 20 mins. Circ (pump) pressure 2,200 psi @ 2.5 BPM, Return Rate @ 2.5 BPM @ 100 psi, Heavy sand and plug parts.
3/29/2016 17:10	3/29/2016 18:30	1.33 3	WORKOVER	CIRCULATE	WOV_CI RC	Circ btms up after 4 plug. Shift change
3/29/2016 18:30	3/29/2016 19:03	0.55	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #35 @ 11,524' w/370 jts 2-7/8" tbg.
3/29/2016 19:03	3/29/2016 19:26	0.38 3	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 35. Drill time 23 mins. Circ (pump) pressure 2,000 psi @ 2.5 BPM, Return Rate @ 2.5 BPM @ 80 psi, Medium sand and plug parts.
3/29/2016 19:26	3/29/2016 20:05	0.65	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #34 @ 11,765' w/378 jts 2-7/8" tbg.
3/29/2016 20:05	3/29/2016 20:20	0.25	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 34. Drill time 15 mins. Circ (pump) pressure 2,000 psi @ 2.5 BPM, Return Rate @ 2.5 BPM @ 80 psi, Medium sand and plug parts.
3/29/2016 20:20	3/29/2016 20:57	0.61 7	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #33 @ 12,009' w/386 jts 2-7/8" tbg.
3/29/2016 20:57	3/29/2016 21:25	0.46 7	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 33. Drill time 28 mins. Circ (pump) pressure 2,000 psi @ 2.5 BPM, Return Rate @ 2.5 BPM @ 70 psi, Medium sand and plug parts.
3/29/2016 21:25	3/29/2016 22:16	0.85	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #32 @ 12,240' w/393 jts 2-7/8" tbg.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/29/2016 22:16	3/29/2016 22:40	0.4	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 32. Drill time 24 mins. Circ (pump) pressure 2,000 psi @ 2.5 BPM, Return Rate @ 2.5 BPM @ 70 psi, Medium sand and plug parts.
3/29/2016 22:40	3/29/2016 23:25	0.75	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #31 @ 12,482' w/401 jts 2-7/8" tbg.
3/29/2016 23:25	3/30/2016 01:07	1.7	WORKOVER	CIRCULATE	WOV_CI RC	Circulate bottoms up on top of CFP # 31.
3/30/2016 01:07	3/30/2016 01:17	0.16 7	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 31. Drill time 10 mins. Circ (pump) pressure 2,000 psi @ 2.5 BPM, Return Rate @ 2.5 BPM @ 50 psi, Medium sand and plug parts.
3/30/2016 01:17	3/30/2016 01:53	0.6	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #30 @ 12,728' w/409 jts 2-7/8" tbg.
3/30/2016 01:53	3/30/2016 02:15	0.36 7	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 30. Drill time 22 mins. Circ (pump) pressure 2,000 psi @ 2.5 BPM, Return Rate @ 2.5 BPM @ 70 psi, Medium sand and plug parts.
3/30/2016 02:15	3/30/2016 02:58	0.71 7	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #29 @ 12,962' w/417 jts 2-7/8" tbg.
3/30/2016 02:58	3/30/2016 03:15	0.28 3	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 29. Drill time 17 mins. Circ (pump) pressure 2,000 psi @ 2.5 BPM, Return Rate @ 2.5 BPM @ 50 psi, Medium sand and plug parts.
3/30/2016 03:15	3/30/2016 03:46	0.51 7	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #28 @ 13,232' w/425 jts 2-7/8" tbg.
3/30/2016 03:46	3/30/2016 04:10	0.4	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 28. Drill time 24 mins. Circ (pump) pressure 2,000 psi @ 2.5 BPM, Return Rate @ 2.5 BPM @ 60 psi, Medium sand and plug parts.
3/30/2016 04:10	3/30/2016 04:40	0.5	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #27 stay 1 jt off plug w/431 jts 2-7/8" tbg @ 13,422.
3/30/2016 04:40	3/30/2016 06:00	1.33 3	WORKOVER	CIRCULATE	WOV_CI RC	EOT @ 13,422 w/ 431 jts. Circulate bottoms up after drilling 4 plugs.

Report #: 37 Daily Operation: 3/30/2016 06:00 - 3/31/2016 06:00

Job Category	Primary Job Type	AFE Number
ORIG COMPLETION	OCM	037158
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)
108	37	0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig

Operations Summary

D/O plug 27-14. Plugged up 3" flowback 2 twice had to run though pinic line and clean out.

Remarks

Frac tanks-625-698-589-652-573-545
LTR Round bottom-MT0871
In use--R-039 Empty R-019

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/30/2016 06:00	3/30/2016 06:15	0.25	WORKOVER	CIRCULATE	WOV_CI RC	Finish circulating bottoms up.
3/30/2016 06:15	3/30/2016 06:29	0.24 5	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #27 @ 13,480' w/433 jts 2-7/8" tbg.
3/30/2016 06:29	3/30/2016 06:44	0.25	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 27. Drill time 16 mins. Circ (pump) pressure 2,000 psi @ 2.5 BPM, Return Rate @ 2.5 BPM @ 80 psi, Med sand and plug parts.
3/30/2016 06:44	3/30/2016 07:22	0.63 3	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #26 @ 13,685' w/440 jts 2-7/8" tbg.
3/30/2016 07:22	3/30/2016 07:47	0.41 7	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 26. Drill time 25 mins. Circ (pump) pressure 2,000 psi @ 2.5 BPM, Return Rate @ 2.5 BPM @ 75 psi, Med sand and plug parts.
3/30/2016 07:47	3/30/2016 08:46	0.98 3	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #25 @ 13,937' w/448 jts 2-7/8" tbg.
3/30/2016 08:46	3/30/2016 09:00	0.23 3	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 25. Drill time 14 mins. Circ (pump) pressure 2,000 psi @ 2.5 BPM, Return Rate @ 2.5 BPM @ 55 psi, Med sand and plug parts.
3/30/2016 09:00	3/30/2016 09:40	0.66 7	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #24 @ 14,170 w/456 jts 2-7/8" tbg.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/30/2016 09:40	3/30/2016 10:03	0.38 3	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 24. Drill time 23 mins. Circ (pump) pressure 2,000 psi @ 2.5 BPM, Return Rate @ 2.5 BPM @ 90 psi, Med/Hvy sand and plug parts.
3/30/2016 10:03	3/30/2016 11:00	0.95	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #23 @ 14,406 w/463 jts 2-7/8" tbg.
3/30/2016 11:00	3/30/2016 11:25	0.41 7	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 23. Drill time 25 mins. Circ (pump) pressure 2,000 psi @ 2.5 BPM, Return Rate @ 2.5 BPM @ 55 psi, Med/Hvy sand and plug parts.
3/30/2016 11:25	3/30/2016 11:40	0.25	WORKOVER	RUN IN HOLE	WOV_RI H	W/D 2 jts to 14,447' and making heavy sand.
3/30/2016 11:40	3/30/2016 13:30	1.83 3	WORKOVER	DRILL OUT PLUG	WOV_DO P	Circ bottoms up with heavy sand and medium cuttings.
3/30/2016 13:30	3/30/2016 15:24	1.9	WORKOVER	CIRCULATE	WOV_CI RC	Continue to circulate while changing out sand roll tarp box. Also opened 2" panic line and cleaned out partially plugged 3" FB line.
3/30/2016 15:24	3/30/2016 15:40	0.26 7	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #22 @ 14,650 w/463471 jts 2-7/8" tbg.
3/30/2016 15:40	3/30/2016 16:00	0.33 3	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 22. Drill time 20 mins. Circ (pump) pressure 2,000 psi @ 2.5 BPM, Return Rate @ 2.5 BPM @ 40 psi, Med/Hvy sand and plug parts.
3/30/2016 16:00	3/30/2016 16:40	0.66 7	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #21 @ 14,980 w/471 jts 2-7/8" tbg.
3/30/2016 16:40	3/30/2016 16:50	0.16 7	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 21. Drill time 10 mins. Circ (pump) pressure 2,000 psi @ 2.5 BPM, Return Rate @ 2.5 BPM @ 40 psi, Med/Hvy sand and plug parts.
3/30/2016 16:50	3/30/2016 17:23	0.55	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #20 @ 14,980 w/479 jts 2-7/8" tbg.
3/30/2016 17:23	3/30/2016 17:39	0.26 7	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 20. Drill time 16 mins. Circ (pump) pressure 2,000 psi @ 2.5 BPM, Return Rate @ 2.5 BPM @ 40 psi, Med/Hvy sand and plug parts.
3/30/2016 17:39	3/30/2016 18:00	0.33 8	WORKOVER	CIRCULATE	WOV_CI RC	Circulate bottoms up with medium to heavy sand.
3/30/2016 18:00	3/30/2016 19:45	1.75	WORKOVER	CIRCULATE	WOV_CI RC	Cont to circulate bottoms up with medium to heavy sand.
3/30/2016 19:45	3/30/2016 20:34	0.83	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #19 @ 15,363' w/494 jts 2-7/8" tbg.
3/30/2016 20:34	3/30/2016 20:50	0.26	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 19. Drill time 16 mins. Circ (pump) pressure 2,000 psi @ 2.5 BPM, Return Rate @ 2.3 BPM @ 60 psi, Med/Hvy sand and plug parts.
3/30/2016 20:50	3/30/2016 22:05	1.25	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #18 @ 15,625' w/503 jts 2-7/8" tbg.
3/30/2016 22:05	3/30/2016 22:25	0.33 3	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 18. Drill time 20 mins. Circ (pump) pressure 2,000 psi @ 2.5 BPM, Return Rate @ 2.3 BPM @ 70 psi, Med/Hvy sand and plug parts.
3/30/2016 22:25	3/30/2016 23:09	0.74	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #17 @ 15,852' w/510 jts 2-7/8" tbg.
3/30/2016 23:09	3/30/2016 23:26	0.28	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 17. Drill time 17 mins. Circ (pump) pressure 2,000 psi @ 2.5 BPM, Return Rate @ 2.3 BPM @ 70 psi, Med/Hvy sand and plug parts.
3/30/2016 23:26	3/31/2016 00:36	1.17	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #16 @ 16,098' w/518 jts 2-7/8" tbg.
3/31/2016 00:36	3/31/2016 00:45	0.15	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 16. Drill time 12 mins. Circ (pump) pressure 2,200 psi @ 2.5 BPM, Return Rate @ 2.3 BPM @ 70 psi, Med/Hvy sand and plug parts.
3/31/2016 00:45	3/31/2016 01:35	0.83 3	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #15 @ 16,334' w/526 jts 2-7/8" tbg.
3/31/2016 01:35	3/31/2016 04:13	2.63	WORKOVER	CIRCULATE	WOV_CI RC	Circ bottoms up with medium sand and medium cuttings. Plug 3" flowback iron, Had to clean out.
3/31/2016 04:13	3/31/2016 04:27	0.24	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 15. Drill time 14 mins. Circ (pump) pressure 2,000 psi @ 2.5 BPM, Return Rate @ 2.3 BPM @ 70 psi, Med/Hvy sand and plug parts.
3/31/2016 04:27	3/31/2016 05:17	0.83 3	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #14 @ 16,572' w/534 jts 2-7/8" tbg.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/31/2016 05:17	3/31/2016 05:42	0.41 7	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 14. Drill time 25 mins. Circ (pump) pressure 2,000 psi @ 2.5 BPM, Return Rate @ 2.3 BPM @ 60 psi, Med/Hvy sand and plug parts.
3/31/2016 05:42	3/31/2016 06:00	0.29	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #13 at report time. Plugged 3" flowback iron with sand and medium plug parts. Had to clean out.

Report #: 38 Daily Operation: 3/31/2016 06:00 - 4/1/2016 06:00

Job Category ORIG COMPLETION	Primary Job Type OCM	AFE Number 037158
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Days From Spud (days) 109	Days on Location (days) 38	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
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Operations Summary

D/O plugs 13-2, Med to Heavy sand return w/good plug parts.

Remarks

Frac tanks-625-698-589-652-573-545

LTR Round bottom-MT0871

In use--R-039 Empty R-019

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/31/2016 06:00	3/31/2016 06:38	0.63 5	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #13 @ 16,800' w/541 jts 2-7/8" tbg.
3/31/2016 06:38	3/31/2016 07:00	0.36 7	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 13. Drill time 22 mins. Circ (pump) pressure 2,000 psi @ 2.5 BPM, Return Rate @ 2.5 BPM @ 100 psi, Med/Hvy sand and plug parts.
3/31/2016 07:00	3/31/2016 07:38	0.63 3	WORKOVER	RUN IN HOLE	WOV_RI H	W/D 3 jts tubing and developed leak in packoff.
3/31/2016 07:38	3/31/2016 08:10	0.53 3	WORKOVER	CIRCULATE	WOV_CI RC	Circulate sand up hole before changing out rubber.
3/31/2016 08:10	3/31/2016 08:43	0.55	WORKOVER	MAINTENANCE	WOV_MA INT	Change out packoff rubber.
3/31/2016 08:43	3/31/2016 09:32	0.81 7	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #12 @ 17,050' w/549 jts 2-7/8" tbg.
3/31/2016 09:32	3/31/2016 09:55	0.38 3	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 12. Drill time 23 mins. Circ (pump) pressure 2,000 psi @ 2.5 BPM, Return Rate @ 2.3 BPM @ 100 psi, Hvy sand and plug parts.
3/31/2016 09:55	3/31/2016 10:14	0.31 7	WORKOVER	RUN IN HOLE	WOV_RI H	W/D 1 jt, making heavy sand.
3/31/2016 10:14	3/31/2016 10:25	0.18 3	WORKOVER	CIRCULATE	WOV_CI RC	Pump 25 bbls 10 ppg brine water pill to clean up bit.
3/31/2016 10:25	3/31/2016 11:24	0.98 3	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #11 @ 17,290' w/557 jts 2-7/8" tbg.
3/31/2016 11:24	3/31/2016 11:50	0.43 3	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 11. Drill time 26 mins. Circ (pump) pressure 2,000 psi @ 2.5 BPM, Return Rate @ 2.3 BPM @ 80 psi, Hvy sand and plug parts.
3/31/2016 11:50	3/31/2016 13:53	2.05	WORKOVER	CIRCULATE	WOV_CI RC	Circ bottoms up with heavy sand and medium/large cuttings. Plug 3" flowback iron, Had to clean out line.
3/31/2016 13:53	3/31/2016 14:40	0.79	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #10 @ 17,510' w/564 jts 2-7/8" tbg.
3/31/2016 14:40	3/31/2016 15:00	0.33 3	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 10. Drill time 20 mins. Circ (pump) pressure 2,000 psi @ 2.5 BPM, Return Rate @ 2.3 BPM @ 70 psi, Hvy sand and plug parts.
3/31/2016 15:00	3/31/2016 15:57	0.95	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #9 @ 17,769' w/572 jts 2-7/8" tbg.
3/31/2016 15:57	3/31/2016 16:26	0.48 3	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 9. Drill time 29 mins. Circ (pump) pressure 2,000 psi @ 2.5 BPM, Return Rate @ 2.3 BPM @ 60 psi, Hvy/Med sand and plug parts.
3/31/2016 16:26	3/31/2016 17:18	0.86 7	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #8 @ 18,000' w/580 jts 2-7/8" tbg.
3/31/2016 17:18	3/31/2016 17:52	0.56 7	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 8. Drill time 34 mins. Circ (pump) pressure 2,000 psi @ 2.5 BPM, Return Rate @ 2.3 BPM @ 60 psi, Hvy/Med sand and plug parts.
3/31/2016 17:52	3/31/2016 19:02	1.16	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #7 @ 18,240' w/588 jts 2-7/8" tbg.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
3/31/2016 19:02	3/31/2016 19:23	0.35	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 7. Drill time 19 mins. Circ (pump) pressure 2,000 psi @ 2.5 BPM, Return Rate @ 2.3 BPM @ 60 psi, Med sand and plug parts.
3/31/2016 19:23	3/31/2016 20:22	0.99	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #6 @ 18,490' w/596 jts 2-7/8" tbq.
3/31/2016 20:22	3/31/2016 20:40	0.3	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 6. Drill time 18 mins. Circ (pump) pressure 2,200 psi @ 2.5 BPM, Return Rate @ 2.3 BPM @ 60 psi, Med sand and plug parts.
3/31/2016 20:40	3/31/2016 21:29	0.82	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #5 @ 18,720' w/603 jts 2-7/8" tbq.
3/31/2016 21:29	3/31/2016 22:03	0.57	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 5. Drill time 34 mins. Circ (pump) pressure 2,200 psi @ 2.5 BPM, Return Rate @ 2.3 BPM @ 60 psi, Med sand and plug parts.
3/31/2016 22:03	3/31/2016 23:40	1.61	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #4 @ 18,975' w/611 jts 2-7/8" tbq.
3/31/2016 23:40	4/1/2016 02:08	2.46	WORKOVER	CIRCULATE	WOV_CI RC	Circ bottoms up with med sand and medium/med cuttings.
4/1/2016 02:08	4/1/2016 02:40	0.54	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 4. Drill time 32 mins. Circ (pump) pressure 2,200 psi @ 2.5 BPM, Return Rate @ 2.3 BPM @ 80 psi, Med sand and plug parts.
4/1/2016 02:40	4/1/2016 03:40	1	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #3 @ 19,185' w/618 jts 2-7/8" tbq.
4/1/2016 03:40	4/1/2016 04:00	0.33 3	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 3. Drill time 20 mins. Circ (pump) pressure 2,200 psi @ 2.5 BPM, Return Rate @ 2.3 BPM @ 80 psi, Med sand and plug parts.
4/1/2016 04:00	4/1/2016 05:36	1.6	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #2 @ 19,420' w/626 jts 2-7/8" tbq.
4/1/2016 05:36	4/1/2016 06:00	0.4	WORKOVER	DRILL OUT PLUG	WOV_DO P	Drilling on CFP #2 at report time

Report #: 39 Daily Operation: 4/1/2016 06:00 - 4/2/2016 06:00

Job Category	Primary Job Type	AFE Number
ORIG COMPLETION	OCM	037158
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)
110	39	0.0
End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig

Operations Summary

D/O plugs 2-1. Displace salt system. POOH with 314 jts workstring. Started pulling sticky, circ 200 bbls brine water around and clean up curve.

Remarks

Frac tanks-625-698-589-652-573-545
LTR Round bottom-MT0871
In use--R-039 Empty R-019

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/1/2016 06:00	4/1/2016 06:05	0.08 5	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 2. Drill time 22 mins. Circ (pump) pressure 2,200 psi @ 2.5 BPM, Return Rate @ 2.3 BPM @ 60 psi, Med sand and plug parts.
4/1/2016 06:05	4/1/2016 06:56	0.85	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Boss Hog CFP #1 @ 19,658' w/626 jts 2-7/8" tbq.
4/1/2016 06:56	4/1/2016 07:34	0.63 3	WORKOVER	DRILL OUT PLUG	WOV_DO P	D/O Boss Hog CFP # 1. Drill time 40 mins. Circ (pump) pressure 2,200 psi @ 2.5 BPM, Return Rate @ 2.3 BPM @ 80 psi, Med sand and plug parts.
4/1/2016 07:34	4/1/2016 07:40	0.1	WORKOVER	RUN IN HOLE	WOV_RI H	W/D to Toe Sleeve at 16,668
4/1/2016 07:40	4/1/2016 08:00	0.33 3	WORKOVER	CIRCULATE	WOV_CI RC	Circulate at toe sleeve while preparing sweep.
4/1/2016 08:00	4/1/2016 11:15	3.25	WORKOVER	CIRCULATE	WOV_CI RC	Circulate 10 bbl sweep to surface at 2.5 bpm, 2000 psi. Circ 2nd 10 bbl sweep to surface. Pump rate 2.5 bpm @ 2000 psi. Returns 2.5 bpm at 100 psi. Lost 50 bbls salt system fluid to well.
4/1/2016 11:15	4/1/2016 15:10	3.91 7	WORKOVER	CIRCULATE	WOV_CI RC	Displace salt sytem fluid with 10.0 ppg Brine at 2.5 bpm, 2100 psi. Lost 257 bbls Brine to well while circulating.
4/1/2016 15:10	4/1/2016 18:00	2.83 3	WORKOVER	CIRCULATE	WOV_CI RC	Displace Brine water with Fresh Water. (Well Dead)

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/1/2016 18:00	4/1/2016 19:30	1.5	WORKOVER	PULL OUT OF HOLE	WOV_PO OH	Swivel out 15 jts 2-7/8" tbg.
4/1/2016 19:30	4/1/2016 20:00	0.5	SETUP	RIG UP OR RIG DOWN	RURD	Rig down swivel.
4/1/2016 20:00	4/2/2016 03:45	7.75	WORKOVER	RUN IN HOLE	WOV_RI H	POOH w/314 jts 2-7/8" tbg, Started pulling sticky. EOT @ 9940' (BTM of curve)
4/2/2016 03:45	4/2/2016 04:15	0.5	SETUP	RIG UP OR RIG DOWN	RURD	Rig up swivel.
4/2/2016 04:15	4/2/2016 06:00	1.75	WORKOVER	CIRCULATE	WOV_CI RC	Circ 200 bbls brine water around and clean up curve.

Report #: 40 Daily Operation: 4/2/2016 06:00 - 4/3/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037158
Days From Spud (days) 111	Days on Location (days) 40	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

Finish laying down work string. set packer @9507' RIH w/240 jts production tbg.

Remarks

Frac tanks-625-698-589-652-573-545
LTR Round bottom-MT0871
In use--R-039 Empty R-019

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/2/2016 06:00	4/2/2016 06:45	0.75	SETUP	RIG UP OR RIG DOWN	RURD	Rig down swivel.
4/2/2016 06:45	4/2/2016 12:00	5.25	WORKOVER	PULL OUT OF HOLE	WOV_PO OH	Trip out laying down work string. Platinum pulled out 51 jts 2 3/8" tubing due to excessive wear of hard banding. Will be delivering 60 replacement jts 2 3/8" tubing today.
4/2/2016 12:00	4/2/2016 12:15	0.25	WORKOVER	PULL OUT OF HOLE	WOV_PO OH	Break out BHA.
4/2/2016 12:15	4/2/2016 14:15	2	SETUP	RIG UP OR RIG DOWN	RURD	Rig up for wireline. Move out pipe wrangler. MIRU wireline and tools.
4/2/2016 14:15	4/2/2016 15:15	1	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	Rig up lubricator and prep to RIH.
4/2/2016 15:15	4/2/2016 16:25	1.16 7	WIRELINE	GAUGE RING/JUNK BASKET	WL_GR/JB	Ran 3.625" O.D. GR/JB to 9600'.
4/2/2016 16:25	4/2/2016 16:50	0.41 7	WIRELINE	RIG UP LUBRICATOR	WL_LUB_RU	Remove GR/JB and make up packer.
4/2/2016 16:50	4/2/2016 18:20	1.5	WIRELINE	PACKER	WL_PKR	RIH with 4.50" O.D.Arrowset AS1X packer and set at 9507'
4/2/2016 18:20	4/2/2016 19:00	0.66 7	WIRELINE	RUN UP	WL_RUN UP	POOH w/wireline
4/2/2016 19:00	4/2/2016 19:45	0.75	WIRELINE	RUN DOWN	WL_RUN DN	R/D Wireline
4/2/2016 19:45	4/2/2016 21:45	2	SETUP	RIG UP OR RIG DOWN	RURD	Talley tbg, R/U sage rider. and tie in cap line to btm gas valve.
4/2/2016 21:45	4/3/2016 06:00	8.25	WORKOVER	PRODUCTION TUBING	WOV_TB G	RIH w/240 jts production tbg and gaslift valves.

Report #: 41 Daily Operation: 4/3/2016 06:00 - 4/4/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037158
Days From Spud (days) 112	Days on Location (days) 41	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

Finish RIH with Prod Tubing w/ GLV & SageRider gauges. N/U production tree, test tree, R/D move off

Remarks

Frac tanks-625-698-589-652-573-545
LTR Round bottom-MT0871
In use--R-039 Empty R-019

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/3/2016 06:00	4/3/2016 06:15	0.25	WORKOVER	MAINTENANCE	WOV_MA INT	Service rig.
4/3/2016 06:15	4/3/2016 09:15	3	WORKOVER	PRODUCTION TUBING	WOV_TB G	Finish RIH with 282 jts 2 7/8" 6.5" L80 EUE tubing with 16 GLV's and SAGERIDER gauges. Space out tubing.
4/3/2016 09:15	4/3/2016 10:30	1.25	WORKOVER	CIRCULATE	WOV_CI RC	Circulate 1 load packer fluid (200 bbls)
4/3/2016 10:30	4/3/2016 12:15	1.75	NONOPS	WELL SHUT IN	SHUT_IN	Wait on second load packer fluid.
4/3/2016 12:15	4/3/2016 13:30	1.25	WORKOVER	CIRCULATE	WOV_CI RC	Circulate second load packer fluid.
4/3/2016 13:30	4/3/2016 14:00	0.5	WORKOVER	PRODUCTION TUBING	WOV_TB G	Landed tubing with 10K weight on packer.
4/3/2016 14:00	4/3/2016 18:00	4	SETUP	RIG UP OR RIG DOWN	RURD	Rig down SAGERIDER, floor and BOP stack. N/U production tree.
4/3/2016 18:00	4/3/2016 18:15	0.25	TEST	WELLHEAD	TEST_W H	Test tree to 2800 psi (tested good)
4/3/2016 18:15	4/3/2016 19:15	1	SETUP	RIG UP OR RIG DOWN	RURD	R/D pioneer rig 27.
4/3/2016 19:15	4/3/2016 22:30	3.25	NONOPS	WELL SHUT IN	SHUT_IN	WSI
4/3/2016 22:30	4/3/2016 23:30	1	PUMP DOWN	BREAK DISK	PD_DISK	Pump out disk in packer @ 1800 psi, and pump 100 bbls treated water after disk ruptured.
4/3/2016 23:30	4/4/2016 06:00	6.5	NONOPS	WELL SHUT IN	SHUT_IN	WSI waiting for drill out ops on 31H

Report #: 42 Daily Operation: 4/4/2016 06:00 - 4/5/2016 06:00

Job Category			Primary Job Type			AFE Number
ORIG COMPLETION			OCM			037158
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
113	42	0.0				
Operations Summary						
Ready for Production hookup						
Remarks						

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/4/2016 06:00	4/5/2016 06:00	24	NONOPS	WELL SHUT IN	SHUT_IN	WSI. Waiting for Production hook up.

Report #: 43 Daily Operation: 4/5/2016 06:00 - 4/6/2016 06:00

Job Category			Primary Job Type			AFE Number
ORIG COMPLETION			OCM			037158
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
114	43	0.0				
Operations Summary						
Ready for Production hookup						
Remarks						

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/5/2016 06:00	4/6/2016 06:00	24	NONOPS	WELL SHUT IN	SHUT_IN	WSI. Waiting for Production hook up.

Report #: 44 Daily Operation: 4/6/2016 06:00 - 4/7/2016 06:00

Job Category			Primary Job Type			AFE Number
ORIG COMPLETION			OCM			037158
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
115	44	0.0				
Operations Summary						
Ready for Production hookup						
Remarks						

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/6/2016 06:00	4/7/2016 06:00	24	NONOPS	WELL SHUT IN	SHUT_IN	Well ready for Production

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Report #: 45 Daily Operation: 4/7/2016 06:00 - 4/8/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037158
Days From Spud (days) 116	Days on Location (days) 45	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

Ready for Production hookup

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/7/2016 06:00	4/8/2016 06:00	24	NONOPS	WELL SHUT IN	SHUT_IN	Well ready for Production

Report #: 46 Daily Operation: 4/8/2016 06:00 - 4/9/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037158
Days From Spud (days) 117	Days on Location (days) 46	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

Ready for Production hookup

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/8/2016 06:00	4/9/2016 06:00	24	NONOPS	WELL SHUT IN	SHUT_IN	Well ready for Production

Report #: 47 Daily Operation: 4/9/2016 06:00 - 4/10/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037158	
Days From Spud (days) 118	Days on Location (days) 47	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig		

Operations Summary

Ready for Production

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/9/2016 06:00	4/10/2016 06:00	24	NONOPS	WELL SHUT IN	SHUT_IN	Ready for Production

Report #: 48 Daily Operation: 4/10/2016 06:00 - 4/11/2016 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 037158	
Days From Spud (days) 119	Days on Location (days) 48	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig		

Operations Summary

Ready for Production

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/10/2016 06:00	4/11/2016 06:00	24	NONOPS	WELL SHUT IN	SHUT_IN	WSI. Ready for Production.

WELL DETAILS

Well Name UNIVERSITY 7-38 30H	API/UWI 42-003-47209-0000	Operator PIONEER NATURAL RESRC USA, INC
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Wellbore Hole Size

Section Des	Size (in)	Act Top (ftKB)	Act Btm (ftKB)	Start Date	End Date
CONDUCTOR	30	29.0	129.0	11/30/2015	11/30/2015
SURFACE	17 1/2	129.0	1,997.0	12/13/2015	12/14/2015
INTERMEDIATE	12 1/4	1,997.0	6,010.0	12/16/2015	12/20/2015
PRODUCTION	8 3/4	6,010.0	9,048.0	1/10/2016	1/11/2016
PRODUCTION 2	8 1/2	9,048.0	19,820.0	1/12/2016	1/19/2016

Conductor Casing

Run Date 12/1/2015	Set Depth (ftKB) 129.0	Centralizers
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Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

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) 1,997.0		Run Date 12/15/2015		Centralizers 10					
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			1,958.37	46	-8.3	1,950.1
FLOAT COLLAR		13 3/8	12.615			2.00	1	1,950.1	1,952.1
Casing Joints		13 3/8	12.615			42.90	1	1,952.1	1,995.0
FLOAT SHOE		13 3/8	12.615			2.00	1	1,995.0	1,997.0
Set Depth (ftKB) 2,000.0		Run Date 12/8/2015		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, 1,997.0ftKB		Cementing Start Date 12/15/2015		Cementing End Date 12/15/2015		Cementing Company SCHLUMBERGER	
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) 6,000.0		Run Date 12/8/2015		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	6,000.00	150	0.0	6,000.0
Set Depth (ftKB) 6,000.0		Run Date 12/21/2015		Centralizers 16 Bowspring					
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	-4.9	-4.9
LANDING JOINT		9 5/8	8.835			35.00	1	-4.9	30.1
CASING HANGER		9 5/8	8.835			4.00	1	30.1	34.1
CASING JOINTS		9 5/8	8.835	40.00	L-80 IC	5,875.15	132	34.1	5,909.3
FLOAT COLLAR		9 5/8	8.835	40.00	L-80	1.45	1	5,909.3	5,910.7
CASING JOINTS		9 5/8	8.835	40.00	L-80 IC	86.54	2	5,910.7	5,997.3
FLOAT SHOE		9 5/8	8.835	40.00	L-80	2.75	1	5,997.3	6,000.0
Intermediate Casing Cement									
Type Casing		String INTERMEDIATE, 6,000.0ftKB		Cementing Start Date 12/21/2015		Cementing End Date 12/22/2015		Cementing Company SCHLUMBERGER	
Class Water		Amount (sacks) 0		Yield (ft³/sack)			Density (lb/gal) 8.34		
Class Mud		Amount (sacks) 0		Yield (ft³/sack)			Density (lb/gal) 10.00		
Class TXI LITEWEIGHT		Amount (sacks) 727		Yield (ft³/sack) 2.19			Density (lb/gal) 11.50		
Class CLASS C		Amount (sacks) 399		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) 19,808.0		Run Date 1/21/2016		Centralizers 42 Solid Body					
Item Des		OD (in)	ID (in)	Wt/Lgth (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)
CASING JOINTS		5 1/2	4.778	20.00	L-80	0.00	0	-5.6	-5.6
LANDING JOINT		5 1/2	4.778			35.00	1	-5.6	29.4
CASING HANGER		5 1/2	4.778			4.00	1	29.4	33.4
CASING JOINTS		5 1/2	4.778	20.00	P-110 IC	8,871.30	216	33.4	8,904.7
MARKER JOINT		5 1/2	4.778	20.00	P-110	20.11	1	8,904.7	8,924.8
CASING JOINTS		5 1/2	4.778	20.00	P-110 IC	162.95	4	8,924.8	9,087.8

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Item Des	OD (in)	ID (in)	Wt/Lgth (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)
MARKER JOINT	5 1/2	4.778	20.00	P-110	20.12	1	9,087.8	9,107.9
CASING JOINTS	5 1/2	4.778	20.00	P-110 IC	10,550.29	258	9,107.9	19,658.2
PUP JOINT	5 1/2	4.778			10.10	1	19,658.2	19,668.3
TOE SLEEVE - DELAYED	5 1/2	4.548	26.00	P-110	5.61	1	19,668.3	19,673.9
PUP JOINT	5 1/2	4.778			10.12	1	19,673.9	19,684.0
CASING JOINTS	5 1/2	4.778	20.00	P-110 IC	39.86	1	19,684.0	19,723.9
FLOAT COLLAR	5 1/2	4.778	26.00	P-110	1.83	1	19,723.9	19,725.7
CASING JOINTS	5 1/2	4.778	20.00	P-110 IC	80.81	2	19,725.7	19,806.5
FLOAT SHOE	5 1/2	4.778	26.00	P-110	1.50	1	19,806.5	19,808.0

Set Depth (ftKB)
19,828.0

Run Date
12/8/2015

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	19,828.00	496	0.0	19,828.0

Production Casing Cement

Type	String	Cementing Start Date	Cementing End Date	Cementing Company	Top (ftKB)	Btm (ftKB)
Casing	PRODUCTION, 19,808.0ftKB	1/21/2016	1/22/2016	SCHLUMBERGER	5,400.0	19,820.0
Class	MUDPUSH	Amount (sacks)	Yield (ft³/sack)	Density (lb/gal)		
		0		9.50		
Class	TXI LITEWEIGHT	Amount (sacks)	Yield (ft³/sack)	Density (lb/gal)		
		360	2.54	11.50		
Class	TXI LITEWEIGHT	Amount (sacks)	Yield (ft³/sack)	Density (lb/gal)		
		1,614	1.61	12.50		
Class	DSPLMT	Amount (sacks)	Yield (ft³/sack)	Density (lb/gal)		
		0		8.33		

Cement Squeeze

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

Perforations

Top (ftKB)	Btm (ftKB)	Linked Zone	Shot Dens (shots/ft)	Entered Shot Total	Com
9,841.0	9,843.0		3.5	7	
9,881.0	9,883.0		3.5	7	
9,921.0	9,923.0		3.5	7	
9,961.0	9,963.0		3.5	7	
10,001.0	10,003.0		3.5	7	
10,041.0	10,043.0		3.5	7	
10,081.0	10,083.0		3.5	7	
10,121.0	10,123.0		3.5	7	
10,161.0	10,163.0		3.5	7	
10,201.0	10,203.0		3.5	7	
10,241.0	10,243.0		3.5	7	
10,281.0	10,283.0		3.5	7	
10,321.0	10,323.0		3.5	7	
10,361.0	10,363.0		3.5	7	
10,401.0	10,403.0		3.5	7	
10,441.0	10,443.0		3.5	7	
10,481.0	10,483.0		3.5	7	
10,521.0	10,523.0		3.5	7	
10,561.0	10,563.0		3.5	7	
10,601.0	10,603.0		3.5	7	
10,641.0	10,643.0		3.5	7	
10,681.0	10,683.0		3.5	7	
10,721.0	10,723.0		3.5	7	
10,761.0	10,763.0		3.5	7	
10,801.0	10,803.0		3.5	7	
10,841.0	10,843.0		3.5	7	
10,881.0	10,883.0		3.5	7	
10,921.0	10,923.0		3.5	7	
10,961.0	10,963.0		3.5	7	
11,001.0	11,003.0		3.5	7	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Perforations					
Top (ftKB)	Btm (ftKB)	Linked Zone	Shot Dens (shots/ft)	Entered Shot Total	Com
11,041.0	11,043.0		3.5	7	
11,081.0	11,083.0		3.5	7	
11,121.0	11,123.0		3.5	7	
11,161.0	11,163.0		3.5	7	
11,201.0	11,203.0		3.5	7	
11,241.0	11,243.0		3.5	7	
11,281.0	11,283.0		3.5	7	
11,321.0	11,323.0		3.5	7	
11,361.0	11,363.0		3.5	7	
11,401.0	11,403.0		3.5	7	
11,441.0	11,443.0		3.5	7	
11,481.0	11,483.0		3.5	7	
11,521.0	11,523.0		3.5	7	
11,561.0	11,563.0		3.5	7	
11,601.0	11,603.0		3.5	7	
11,641.0	11,643.0		3.5	7	
11,681.0	11,683.0		3.5	7	
11,721.0	11,723.0		3.5	7	
11,761.0	11,763.0		3.5	7	
11,801.0	11,803.0		3.5	7	
11,841.0	11,843.0		3.5	7	
11,881.0	11,883.0		3.5	7	
11,921.0	11,923.0		3.5	7	
11,961.0	11,963.0		3.5	7	
12,001.0	12,003.0		3.5	7	
12,041.0	12,043.0		3.5	7	
12,081.0	12,083.0		3.5	7	
12,121.0	12,123.0		3.5	7	
12,161.0	12,163.0		3.5	7	
12,201.0	12,203.0		3.5	7	
12,241.0	12,243.0		3.5	7	
12,281.0	12,283.0		3.5	7	
12,321.0	12,323.0		3.5	7	
12,361.0	12,363.0		3.5	7	
12,401.0	12,403.0		3.5	7	
12,441.0	12,443.0		3.5	7	
12,481.0	12,483.0		3.5	7	
12,521.0	12,523.0		3.5	7	
12,561.0	12,563.0		3.5	7	
12,601.0	12,603.0		3.5	7	
12,641.0	12,643.0		3.5	7	
12,681.0	12,683.0		3.5	7	
12,721.0	12,723.0		3.5	7	
12,761.0	12,763.0		3.5	7	
12,801.0	12,803.0		3.5	7	
12,841.0	12,843.0		3.5	7	
12,881.0	12,883.0		3.5	7	
12,921.0	12,923.0		3.5	7	
12,961.0	12,963.0		3.5	7	
13,001.0	13,003.0		3.5	7	
13,041.0	13,043.0		3.5	7	
13,081.0	13,083.0		3.5	7	
13,121.0	13,123.0		3.5	7	
13,161.0	13,163.0		3.5	7	
13,201.0	13,203.0		3.5	7	
13,241.0	13,243.0		3.5	7	
13,281.0	13,283.0		3.5	7	
13,321.0	13,323.0		3.5	7	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Perforations

Top (ftKB)	Btm (ftKB)	Linked Zone	Shot Dens (shots/ft)	Entered Shot Total	Com
13,361.0	13,363.0		3.5	7	
13,401.0	13,403.0		3.5	7	
13,441.0	13,443.0		3.5	7	
13,481.0	13,483.0		3.5	7	
13,521.0	13,523.0		3.5	7	
13,561.0	13,563.0		3.5	7	
13,601.0	13,603.0		3.5	7	
13,641.0	13,643.0		3.5	7	
13,681.0	13,683.0		3.5	7	
13,721.0	13,723.0		3.5	7	
13,761.0	13,763.0		3.5	7	
13,801.0	13,803.0		3.5	7	
13,841.0	13,843.0		3.5	7	
13,881.0	13,883.0		3.5	7	
13,921.0	13,923.0		3.5	7	
13,961.0	13,963.0		3.5	7	
14,001.0	14,003.0		3.5	7	
14,041.0	14,043.0		3.5	7	
14,081.0	14,083.0		3.5	7	
14,121.0	14,123.0		3.5	7	
14,161.0	14,163.0		3.5	7	
14,201.0	14,203.0		3.5	7	
14,241.0	14,243.0		3.5	7	
14,281.0	14,283.0		3.5	7	
14,321.0	14,323.0		3.5	7	
14,361.0	14,363.0		3.5	7	
14,401.0	14,403.0		3.5	7	
14,441.0	14,443.0		3.5	7	
14,481.0	14,483.0		3.5	7	
14,521.0	14,523.0		3.5	7	
14,561.0	14,563.0		3.5	7	
14,601.0	14,603.0		3.5	7	
14,641.0	14,643.0		3.5	7	
14,681.0	14,683.0		3.5	7	
14,721.0	14,723.0		3.5	7	
14,761.0	14,763.0		3.5	7	
14,801.0	14,803.0		3.5	7	
14,841.0	14,843.0		3.5	7	
14,881.0	14,883.0		3.5	7	
14,921.0	14,923.0		3.5	7	
14,961.0	14,963.0		3.5	7	
15,001.0	15,003.0		3.5	7	
15,041.0	15,043.0		3.5	7	
15,081.0	15,083.0		3.5	7	
15,121.0	15,123.0		3.5	7	
15,161.0	15,163.0		3.5	7	
15,201.0	15,203.0		3.5	7	
15,241.0	15,243.0		3.5	7	
15,281.0	15,283.0		3.5	7	
15,321.0	15,323.0		3.5	7	
15,361.0	15,363.0		3.5	7	
15,401.0	15,403.0		3.5	7	
15,441.0	15,443.0		3.5	7	
15,481.0	15,483.0		3.5	7	
15,521.0	15,523.0		3.5	7	
15,561.0	15,563.0		3.5	7	
15,601.0	15,603.0		3.5	7	
15,641.0	15,643.0		3.5	7	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Perforations					
Top (ftKB)	Btm (ftKB)	Linked Zone	Shot Dens (shots/ft)	Entered Shot Total	Com
15,681.0	15,683.0		3.5	7	
15,721.0	15,723.0		3.5	7	
15,761.0	15,763.0		3.5	7	
15,801.0	15,803.0		3.5	7	
15,841.0	15,843.0		3.5	7	
15,881.0	15,883.0		3.5	7	
15,921.0	15,923.0		3.5	7	
15,961.0	15,963.0		3.5	7	
16,001.0	16,003.0		3.5	7	
16,041.0	16,043.0		3.5	7	
16,081.0	16,083.0		3.5	7	
16,121.0	16,123.0		3.5	7	
16,161.0	16,163.0		3.5	7	
16,201.0	16,203.0		3.5	7	
16,241.0	16,243.0		3.5	7	
16,281.0	16,283.0		3.5	7	
16,321.0	16,323.0		3.5	7	
16,361.0	16,363.0		3.5	7	
16,401.0	16,403.0		3.5	7	
16,441.0	16,443.0		3.5	7	
16,481.0	16,483.0		3.5	7	
16,521.0	16,523.0		3.5	7	
16,561.0	16,563.0		3.5	7	
16,601.0	16,603.0		3.5	7	
16,641.0	16,643.0		3.5	7	
16,681.0	16,683.0		3.5	7	
16,721.0	16,723.0		3.5	7	
16,761.0	16,763.0		3.5	7	
16,801.0	16,803.0		3.5	7	
16,841.0	16,843.0		3.5	7	
16,881.0	16,883.0		3.5	7	
16,921.0	16,923.0		3.5	7	
16,961.0	16,963.0		3.5	7	
17,001.0	17,003.0		3.5	7	
17,041.0	17,043.0		3.5	7	
17,081.0	17,083.0		3.5	7	
17,121.0	17,123.0		3.5	7	
17,161.0	17,163.0		3.5	7	
17,201.0	17,203.0		3.5	7	
17,241.0	17,243.0		3.5	7	
17,281.0	17,283.0		3.5	7	
17,321.0	17,323.0		3.5	7	
17,361.0	17,363.0		3.5	7	
17,401.0	17,403.0		3.5	7	
17,441.0	17,443.0		3.5	7	
17,481.0	17,483.0		3.5	7	
17,521.0	17,523.0		3.5	7	
17,561.0	17,563.0		3.5	7	
17,601.0	17,603.0		3.5	7	
17,641.0	17,643.0		3.5	7	
17,681.0	17,683.0		3.5	7	
17,721.0	17,723.0		3.5	7	
17,761.0	17,763.0		3.5	7	
17,801.0	17,803.0		3.5	7	
17,841.0	17,843.0		3.5	7	
17,881.0	17,883.0		3.5	7	
17,921.0	17,923.0		3.5	7	
17,961.0	17,963.0		3.5	7	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Perforations

Top (ftKB)	Btm (ftKB)	Linked Zone	Shot Dens (shots/ft)	Entered Shot Total	Com
18,001.0	18,003.0		3.5	7	
18,041.0	18,043.0		3.5	7	
18,081.0	18,083.0		3.5	7	
18,121.0	18,123.0		3.5	7	
18,161.0	18,163.0		3.5	7	
18,201.0	18,203.0		3.5	7	
18,241.0	18,243.0		3.5	7	
18,281.0	18,283.0		3.5	7	
18,321.0	18,323.0		3.5	7	
18,361.0	18,363.0		3.5	7	
18,401.0	18,403.0		3.5	7	
18,441.0	18,443.0		3.5	7	
18,481.0	18,483.0		3.5	7	
18,521.0	18,523.0		3.5	7	
18,561.0	18,563.0		3.5	7	
18,601.0	18,603.0		3.5	7	
18,641.0	18,643.0		3.5	7	
18,681.0	18,683.0		3.5	7	
18,721.0	18,723.0		3.5	7	
18,761.0	18,763.0		3.5	7	
18,801.0	18,803.0		3.5	7	
18,841.0	18,843.0		3.5	7	
18,881.0	18,883.0		3.5	7	
18,921.0	18,923.0		3.5	7	
18,961.0	18,963.0		3.5	7	
19,001.0	19,003.0		3.5	7	
19,041.0	19,043.0		3.5	7	
19,081.0	19,083.0		3.5	7	
19,121.0	19,123.0		3.5	7	
19,161.0	19,163.0		3.5	7	
19,201.0	19,203.0		3.5	7	
19,241.0	19,243.0		3.5	7	
19,281.0	19,283.0		3.5	7	
19,321.0	19,323.0		3.5	7	
19,361.0	19,363.0		3.5	7	
19,401.0	19,403.0		3.5	7	
19,441.0	19,443.0		3.5	7	
19,481.0	19,483.0		3.5	7	
19,521.0	19,523.0		3.5	7	
19,561.0	19,563.0		3.5	7	
19,601.0	19,603.0		3.5	7	
19,641.0	19,643.0		3.5	7	

Stimulations & Treatments (Actual)

1, <Zone?>

Date 3/1/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 19,441.0	Bottom Depth (ftKB) 19,643.0	Proppant Total (lb) 335,683.0	Total Clean Vol (bbl) 11,902.00
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2, <Zone?>

Date 3/2/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 19,201.0	Bottom Depth (ftKB) 19,403.0	Proppant Total (lb) 324,887.0	Total Clean Vol (bbl) 11,803.00
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3, <Zone?>

Date 3/2/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 18,961.0	Bottom Depth (ftKB) 19,163.0	Proppant Total (lb) 335,464.0	Total Clean Vol (bbl) 11,832.00
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4, <Zone?>

Date 3/3/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 18,721.0	Bottom Depth (ftKB) 18,923.0	Proppant Total (lb) 334,010.0	Total Clean Vol (bbl) 11,828.00
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Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Stimulations & Treatments (Actual)

5, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
3/3/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	18,481.0	18,683.0	336,030.0	11,633.00

6, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
3/3/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	18,241.0	18,443.0	332,314.0	11,961.00

7, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
3/4/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	18,001.0	18,203.0	321,283.0	11,592.00

8, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
3/4/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	17,761.0	17,963.0	332,125.0	10,736.00

9, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
3/5/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	17,521.0	17,723.0	334,426.0	11,674.00

10, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
3/5/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	17,281.0	17,483.0	331,449.0	11,741.00

11, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
3/6/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	17,041.0	17,243.0	321,940.0	11,658.00

12, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
3/6/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	16,801.0	17,003.0	324,363.0	11,833.00

13, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
3/7/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	16,561.0	16,763.0	324,827.0	11,647.00

14, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
3/7/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	16,321.0	16,523.0	316,670.0	11,115.00

15, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
3/8/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	16,081.0	16,283.0	320,232.0	11,500.00

16, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
3/8/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	15,841.0	16,043.0	317,604.0	10,688.00

17, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
3/8/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	15,601.0	15,803.0	318,390.0	10,638.00

18, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
3/9/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	15,361.0	15,563.0	295,622.0	10,334.00

19, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
3/9/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	15,121.0	15,323.0	318,435.0	10,560.00

20, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
3/10/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	14,881.0	15,083.0	318,456.0	10,698.00

21, <Zone?>

Date	Type	Stim/Treat Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Proppant Total (lb)	Total Clean Vol (bbl)
3/11/2016	HYDRAULIC FRACTURE	PIONEER PUMPING SERVICES	14,641.0	14,843.0	331,511.0	10,485.00

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Stimulations & Treatments (Actual)						
22, <Zone?>						
Date 3/11/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 14,401.0	Bottom Depth (ftKB) 14,603.0	Proppant Total (lb) 320,382.0	Total Clean Vol (bbl) 10,577.00
23, <Zone?>						
Date 3/11/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 14,161.0	Bottom Depth (ftKB) 14,363.0	Proppant Total (lb) 314,519.0	Total Clean Vol (bbl) 11,059.00
24, <Zone?>						
Date 3/12/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 13,921.0	Bottom Depth (ftKB) 14,123.0	Proppant Total (lb) 294,903.0	Total Clean Vol (bbl) 10,278.00
25, <Zone?>						
Date 3/12/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 13,681.0	Bottom Depth (ftKB) 13,883.0	Proppant Total (lb) 318,517.0	Total Clean Vol (bbl) 10,517.00
26, <Zone?>						
Date 3/13/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 13,441.0	Bottom Depth (ftKB) 13,643.0	Proppant Total (lb) 320,129.0	Total Clean Vol (bbl) 10,471.00
27, <Zone?>						
Date 3/13/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 13,201.0	Bottom Depth (ftKB) 13,403.0	Proppant Total (lb) 318,365.0	Total Clean Vol (bbl) 10,553.00
28, <Zone?>						
Date 3/14/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 12,961.0	Bottom Depth (ftKB) 13,163.0	Proppant Total (lb) 297,593.0	Total Clean Vol (bbl) 10,304.00
29, <Zone?>						
Date 3/14/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 12,721.0	Bottom Depth (ftKB) 12,923.0	Proppant Total (lb) 319,577.0	Total Clean Vol (bbl) 10,395.00
30, <Zone?>						
Date 3/15/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 12,481.0	Bottom Depth (ftKB) 12,683.0	Proppant Total (lb) 333,143.0	Total Clean Vol (bbl) 10,293.00
31, <Zone?>						
Date 3/15/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 12,241.0	Bottom Depth (ftKB) 12,443.0	Proppant Total (lb) 323,006.0	Total Clean Vol (bbl) 10,468.00
32, <Zone?>						
Date 3/15/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 12,001.0	Bottom Depth (ftKB) 12,203.0	Proppant Total (lb) 325,073.0	Total Clean Vol (bbl) 10,476.00
33, <Zone?>						
Date 3/16/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 11,761.0	Bottom Depth (ftKB) 11,963.0	Proppant Total (lb) 324,157.0	Total Clean Vol (bbl) 10,375.00
34, <Zone?>						
Date 3/17/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 11,521.0	Bottom Depth (ftKB) 11,723.0	Proppant Total (lb) 323,287.0	Total Clean Vol (bbl) 10,410.00
35, <Zone?>						
Date 3/17/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 11,281.0	Bottom Depth (ftKB) 11,483.0	Proppant Total (lb) 322,772.0	Total Clean Vol (bbl) 10,515.00
36, <Zone?>						
Date 3/17/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 11,041.0	Bottom Depth (ftKB) 11,243.0	Proppant Total (lb) 271,493.0	Total Clean Vol (bbl) 9,831.00
37, <Zone?>						
Date 3/18/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 10,801.0	Bottom Depth (ftKB) 11,003.0	Proppant Total (lb) 322,209.0	Total Clean Vol (bbl) 10,424.00
38, <Zone?>						
Date 3/18/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 10,561.0	Bottom Depth (ftKB) 10,763.0	Proppant Total (lb) 322,634.0	Total Clean Vol (bbl) 10,815.00

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Stimulations & Treatments (Actual)

39, <Zone?>

Date 3/19/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 10,321.0	Bottom Depth (ftKB) 10,523.0	Proppant Total (lb) 322,880.0	Total Clean Vol (bbl) 10,330.00
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40, <Zone?>

Date 3/19/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 10,081.0	Bottom Depth (ftKB) 10,283.0	Proppant Total (lb) 322,442.0	Total Clean Vol (bbl) 10,708.00
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41, <Zone?>

Date 3/19/2016	Type HYDRAULIC FRACTURE	Stim/Treat Company PIONEER PUMPING SERVICES	Top Depth (ftKB) 9,841.0	Bottom Depth (ftKB) 10,043.0	Proppant Total (lb) 315,303.0	Total Clean Vol (bbl) 10,110.00
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Zones

Zone Name	Top (ftKB)

Tubing Details

Tubing Description TUBING - PRODUCTION	Set Depth (ftKB) 9,507.5	Run Date 4/3/2016
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Tubing Components

Item Des	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)
TUBING HANGER	5 1/2	6.50	N-80	0.75	1	21.0	21.8
TUBING	2 7/8	6.50	L-80	33.11	1	21.8	54.9
PUP JOINT	2 7/8	6.50	L-80	10.00	1	54.9	64.9
PUP JOINT	2 7/8	6.50	L-80	8.00	1	64.9	72.9
PUP JOINT	2 7/8	6.50	L-80	2.00	1	72.9	74.9
TUBING	2 7/8	6.50	L-80	1,425.64	43	74.9	1,500.5
GAS LIFT SUB # 16	2 7/8	4.00	L-80	4.10	1	1,500.5	1,504.6
TUBING	2 7/8	6.50	L-80	497.01	15	1,504.6	2,001.6
GAS LIFT SUB # 15	2 7/8	4.00		4.10	1	2,001.6	2,005.7
TUBING	2 7/8	6.50	L-80	497.01	15	2,005.7	2,502.7
GAS LIFT SUB # 14	2 7/8	4.00		4.10	1	2,502.7	2,506.8
TUBING	2 7/8	6.50	L-80	497.11	15	2,506.8	3,003.9
GAS LIFT SUB # 13	2 7/8	4.00		4.10	1	3,003.9	3,008.0
TUBING	2 7/8	6.50	L-80	496.92	15	3,008.0	3,505.0
GAS LIFT SUB # 12	2 7/8	4.00		4.10	1	3,505.0	3,509.1
TUBING	2 7/8	6.50	L-80	497.21	15	3,509.1	4,006.3
GAS LIFT SUB # 11	2 7/8	4.00		4.10	1	4,006.3	4,010.4
TUBING	2 7/8	6.50	L-80	497.02	15	4,010.4	4,507.4
GAS LIFT SUB # 10	2 7/8	4.00		4.10	1	4,507.4	4,511.5
TUBING	2 7/8	6.50	L-80	530.46	16	4,511.5	5,041.9
GAS LIFT SUB # 9	2 7/8	4.00		4.10	1	5,041.9	5,046.0
TUBING	2 7/8	6.50	L-80	497.03	15	5,046.0	5,543.1
GAS LIFT SUB # 8	2 7/8	4.00		4.10	1	5,543.1	5,547.2
TUBING	2 7/8	6.50	L-80	530.55	16	5,547.2	6,077.7
GAS LIFT SUB # 7	2 7/8	4.00		4.10	1	6,077.7	6,081.8
TUBING	2 7/8	6.50	L-80	497.31	15	6,081.8	6,579.1
GAS LIFT SUB # 6	2 7/8	4.00		4.10	1	6,579.1	6,583.2
TUBING	2 7/8	6.50	L-80	530.20	16	6,583.2	7,113.4
GAS LIFT SUB # 5	2 7/8	4.00		4.10	1	7,113.4	7,117.5
TUBING	2 7/8	6.50	L-80	563.70	17	7,117.5	7,681.2
GAS LIFT SUB # 4	2 7/8	4.00		4.10	1	7,681.2	7,685.3
TUBING	2 7/8	6.50	L-80	563.55	17	7,685.3	8,248.9
GAS LIFT SUB # 3	2 7/8	4.00		4.10	1	8,248.9	8,253.0
TUBING	2 7/8	6.50	L-80	596.74	18	8,253.0	8,849.7
GAS LIFT SUB # 2	2 7/8	4.00		4.10	1	8,849.7	8,853.8
TUBING	2 7/8	6.50	L-80	563.71	17	8,853.8	9,417.5
PROFILE "X" NIPPLE'	2 7/8	6.50	L-80	1.10	1	9,417.5	9,418.6
TUBING	2 7/8	6.50	L-80	33.18	1	9,418.6	9,451.8
GAS LIFT SUB # 1	2 7/8	4.00		4.10	1	9,451.8	9,455.9
Gage Carrier	2 7/8	4.00		9.46	1	9,455.9	9,465.4
TUBING	2 7/8	6.50	L-80	33.15	1	9,465.4	9,498.5
ON-OFF TOOL	4 1/2	6.50	L-80	1.37	1	9,498.5	9,499.9

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Tubing Components																		
Item Des		OD (in)		Wt (lb/ft)		Grade		Len (ft)		Jts	Top (ftKB)		Btm (ftKB)					
Stinger/Packer		4 1/2		6.50		L-80		7.20		1	9,499.9		9,507.1					
Pump Out Plug		2 7/8						0.45		1	9,507.1		9,507.5					
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		19,658.0		19,660.0		4 3/8		2/26/2016		4/1/2016					PRODUCTION, 19,808.0ftKB		ORIGINAL	
FRAC PLUG		19,426.0		19,428.0		4 3/8		3/1/2016		4/1/2016					PRODUCTION, 19,808.0ftKB		ORIGINAL	
FRAC PLUG		19,186.0		19,188.0		4 3/8		3/2/2016		4/1/2016					PRODUCTION, 19,808.0ftKB		ORIGINAL	
FRAC PLUG		18,940.0		18,942.0		4 3/8		3/2/2016		4/1/2016		MOVED PLUG 6' DUE TO COLLAR.			PRODUCTION, 19,808.0ftKB		ORIGINAL	
FRAC PLUG		18,706.0		18,708.0		4 3/8		3/3/2016		3/31/2016					PRODUCTION, 19,808.0ftKB		ORIGINAL	
FRAC PLUG		18,466.0		18,468.0		4 3/8		3/3/2016		3/31/2016					PRODUCTION, 19,808.0ftKB		ORIGINAL	
FRAC PLUG		18,220.0		18,222.0		4 3/8		3/4/2016		3/31/2016		MOVED PLUG 6' DUE TO COLLAR.			PRODUCTION, 19,808.0ftKB		ORIGINAL	
FRAC PLUG		17,986.0		17,988.0		4 3/8		3/4/2016		3/31/2016					PRODUCTION, 19,808.0ftKB		ORIGINAL	
FRAC PLUG		17,746.0		17,748.0		4 3/8		3/5/2016		3/31/2016					PRODUCTION, 19,808.0ftKB		ORIGINAL	
FRAC PLUG		17,506.0		17,508.0		4 3/8		3/5/2016		3/31/2016					PRODUCTION, 19,808.0ftKB		ORIGINAL	
FRAC PLUG		17,266.0		17,268.0		4 3/8		3/5/2016		3/31/2016					PRODUCTION, 19,808.0ftKB		ORIGINAL	
FRAC PLUG		17,026.0		17,028.0		4 3/8		3/6/2016		3/31/2016					PRODUCTION, 19,808.0ftKB		ORIGINAL	
FRAC PLUG		16,786.0		16,788.0		4 3/8		3/6/2016		3/31/2016					PRODUCTION, 19,808.0ftKB		ORIGINAL	
FRAC PLUG		16,546.0		16,548.0		4 3/8		3/7/2016		3/31/2016					PRODUCTION, 19,808.0ftKB		ORIGINAL	
FRAC PLUG		16,306.0		16,308.0		4 3/8		3/7/2016		3/31/2016					PRODUCTION, 19,808.0ftKB		ORIGINAL	
FRAC PLUG		16,066.0		16,068.0		4 3/8		3/8/2016		3/31/2016					PRODUCTION, 19,808.0ftKB		ORIGINAL	
FRAC PLUG		15,826.0		15,828.0		4 3/8		3/8/2016		3/30/2016					PRODUCTION, 19,808.0ftKB		ORIGINAL	
FRAC PLUG		15,589.0		15,591.0		4 3/8		3/9/2016		3/30/2016		MOVED PUG DOWN 3' DUE TO COLLAR.			PRODUCTION, 19,808.0ftKB		ORIGINAL	
FRAC PLUG		15,346.0		15,348.0		4 3/8		3/9/2016		3/30/2016					PRODUCTION, 19,808.0ftKB		ORIGINAL	
FRAC PLUG		15,106.0		15,108.0		4 3/8		3/9/2016		3/30/2016					PRODUCTION, 19,808.0ftKB		ORIGINAL	
FRAC PLUG		14,866.0		14,868.0		4 3/8		3/10/2016		3/30/2016					PRODUCTION, 19,808.0ftKB		ORIGINAL	
FRAC PLUG		14,626.0		14,628.0		4 3/8		3/11/2016		3/30/2016					PRODUCTION, 19,808.0ftKB		ORIGINAL	
FRAC PLUG		14,386.0		14,388.0		4 3/8		3/11/2016		3/30/2016					PRODUCTION, 19,808.0ftKB		ORIGINAL	
FRAC PLUG		13,666.0		13,668.0		4 3/8		3/12/2016		3/30/2016					PRODUCTION, 19,808.0ftKB		ORIGINAL	
FRAC PLUG		14,146.0		14,148.0		4 3/8		3/12/2016		3/30/2016					PRODUCTION, 19,808.0ftKB		ORIGINAL	
FRAC PLUG		13,906.0		13,908.0		4 3/8		3/12/2016		3/30/2016					PRODUCTION, 19,808.0ftKB		ORIGINAL	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Other In Hole								
Des	Top (ftKB)	Btm (ftKB)	OD (in)	Run Date	Pull Date	Com	String	Wellbore
FRAC PLUG	13,426.0	13,428.0	4 3/8	3/13/2016	3/30/2016		PRODUCTION, 19,808.0ftKB	ORIGINAL
FRAC PLUG	13,186.0	13,188.0	4 3/8	3/14/2016	3/30/2016		PRODUCTION, 19,808.0ftKB	ORIGINAL
FRAC PLUG	12,946.0	12,948.0	4 3/8	3/14/2016	3/30/2016		PRODUCTION, 19,808.0ftKB	ORIGINAL
FRAC PLUG	12,706.0	12,708.0	4 3/8	3/14/2016	3/30/2016		PRODUCTION, 19,808.0ftKB	ORIGINAL
FRAC PLUG	12,466.0	12,468.0	4 3/8	3/15/2016	3/30/2016		PRODUCTION, 19,808.0ftKB	ORIGINAL
FRAC PLUG	12,226.0	12,228.0	4 3/8	3/15/2016	3/29/2016		PRODUCTION, 19,808.0ftKB	ORIGINAL
FRAC PLUG	11,986.0	11,988.0	4 3/8	3/16/2016	3/29/2016		PRODUCTION, 19,808.0ftKB	ORIGINAL
FRAC PLUG	11,746.0	11,748.0	4 3/8	3/16/2016	3/29/2016		PRODUCTION, 19,808.0ftKB	ORIGINAL
FRAC PLUG	11,506.0	11,508.0	4 3/8	3/17/2016	3/29/2016		PRODUCTION, 19,808.0ftKB	ORIGINAL
FRAC PLUG	11,266.0	11,268.0	4 3/8	3/17/2016	3/29/2016		PRODUCTION, 19,808.0ftKB	ORIGINAL
FRAC PLUG	11,026.0	11,028.0	4 3/8	3/17/2016	3/29/2016		PRODUCTION, 19,808.0ftKB	ORIGINAL
FRAC PLUG	10,786.0	10,788.0	4 3/8	3/18/2016	3/29/2016		PRODUCTION, 19,808.0ftKB	ORIGINAL
FRAC PLUG	10,546.0	10,548.0	4 3/8	3/18/2016	3/29/2016		PRODUCTION, 19,808.0ftKB	ORIGINAL
FRAC PLUG	10,306.0	10,308.0	4 3/8	3/19/2016	3/29/2016		PRODUCTION, 19,808.0ftKB	ORIGINAL
FRAC PLUG	10,066.0	10,068.0	4 3/8	3/19/2016	3/29/2016		PRODUCTION, 19,808.0ftKB	ORIGINAL
BRIDGE PLUG - TEMPORARY	8,510.0	8,512.0	4 3/8	3/19/2016	3/29/2016		PRODUCTION, 19,808.0ftKB	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				
12/13/2015		FINAL DIRECTIONAL SURVEY				
Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Unwrap Displace (ft)	Survey Company
	0.00	0.00	0.00	0.00	0.00	
	208.00	1.40	329.60	207.98	2.54	
	305.00	1.30	324.60	304.95	4.82	
	395.00	1.30	325.00	394.93	6.87	
	486.00	1.10	322.30	485.91	8.77	
	577.00	1.10	319.60	576.89	10.52	
	666.00	1.10	320.00	665.88	12.23	
	757.00	1.00	318.00	756.86	13.89	
	851.00	1.10	319.60	850.84	15.62	
	945.00	1.00	332.50	944.83	17.33	
	1,038.00	1.10	320.10	1,037.81	19.02	
	1,132.00	1.00	311.60	1,131.80	20.74	
	1,226.00	1.50	18.20	1,225.78	22.47	
	1,320.00	1.80	22.90	1,319.74	25.17	
	1,413.00	1.70	17.50	1,412.70	28.01	
	1,507.00	1.50	13.90	1,506.66	30.63	
	1,601.00	1.50	16.00	1,600.63	33.09	
	1,695.00	1.40	16.20	1,694.60	35.47	
	1,788.00	0.80	22.20	1,787.58	37.26	
	1,882.00	0.70	31.20	1,881.57	38.48	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Unwrap Displace (ft)	Survey Company
	1,939.00	0.50	45.00	1,938.57	39.07	
12/16/2015	2,082.00	0.20	79.00	2,081.57	39.92	LEAM DRILLING SYSTEMS, INC.
12/16/2015	2,176.00	0.00	97.50	2,175.57	40.08	LEAM DRILLING SYSTEMS, INC.
12/16/2015	2,269.00	0.10	38.90	2,268.57	40.16	LEAM DRILLING SYSTEMS, INC.
12/16/2015	2,363.00	0.40	79.50	2,362.57	40.56	LEAM DRILLING SYSTEMS, INC.
12/16/2015	2,457.00	0.40	78.60	2,456.56	41.21	LEAM DRILLING SYSTEMS, INC.
12/16/2015	2,550.00	0.40	69.90	2,549.56	41.86	LEAM DRILLING SYSTEMS, INC.
12/16/2015	2,644.00	0.80	24.40	2,643.56	42.78	LEAM DRILLING SYSTEMS, INC.
12/16/2015	2,738.00	1.20	22.40	2,737.54	44.42	LEAM DRILLING SYSTEMS, INC.
12/16/2015	2,831.00	1.20	20.60	2,830.52	46.36	LEAM DRILLING SYSTEMS, INC.
12/16/2015	2,925.00	1.50	356.60	2,924.50	48.53	LEAM DRILLING SYSTEMS, INC.
12/17/2015	3,019.00	1.80	347.60	3,018.46	51.23	LEAM DRILLING SYSTEMS, INC.
12/17/2015	3,112.00	1.90	342.20	3,111.41	54.23	LEAM DRILLING SYSTEMS, INC.
12/17/2015	3,206.00	1.90	341.40	3,205.36	57.34	LEAM DRILLING SYSTEMS, INC.
12/17/2015	3,300.00	1.80	344.30	3,299.31	60.38	LEAM DRILLING SYSTEMS, INC.
12/17/2015	3,393.00	1.80	344.30	3,392.26	63.30	LEAM DRILLING SYSTEMS, INC.
12/17/2015	3,487.00	2.50	354.30	3,486.20	66.81	LEAM DRILLING SYSTEMS, INC.
12/17/2015	3,581.00	3.90	359.00	3,580.05	72.06	LEAM DRILLING SYSTEMS, INC.
12/17/2015	3,674.00	5.70	354.40	3,672.72	79.83	LEAM DRILLING SYSTEMS, INC.
12/17/2015	3,768.00	7.60	351.30	3,766.08	90.71	LEAM DRILLING SYSTEMS, INC.
12/17/2015	3,862.00	9.60	350.70	3,859.02	104.77	LEAM DRILLING SYSTEMS, INC.
12/17/2015	3,955.00	11.70	350.40	3,950.41	121.95	LEAM DRILLING SYSTEMS, INC.
12/17/2015	4,049.00	13.40	351.20	4,042.16	142.38	LEAM DRILLING SYSTEMS, INC.
12/17/2015	4,143.00	13.60	350.90	4,133.57	164.32	LEAM DRILLING SYSTEMS, INC.
12/17/2015	4,237.00	13.30	351.20	4,224.99	186.19	LEAM DRILLING SYSTEMS, INC.
12/17/2015	4,330.00	12.90	351.80	4,315.57	207.26	LEAM DRILLING SYSTEMS, INC.
12/17/2015	4,424.00	14.50	352.20	4,406.89	229.53	LEAM DRILLING SYSTEMS, INC.
12/17/2015	4,518.00	14.60	353.30	4,497.88	253.14	LEAM DRILLING SYSTEMS, INC.
12/17/2015	4,611.00	14.40	353.10	4,587.91	276.43	LEAM DRILLING SYSTEMS, INC.
12/18/2015	4,705.00	14.80	353.10	4,678.88	300.12	LEAM DRILLING SYSTEMS, INC.
12/18/2015	4,798.00	14.40	353.20	4,768.87	323.56	LEAM DRILLING SYSTEMS, INC.
12/18/2015	4,892.00	15.20	349.80	4,859.76	347.56	LEAM DRILLING SYSTEMS, INC.
12/18/2015	4,985.00	15.20	348.90	4,949.50	371.95	LEAM DRILLING SYSTEMS, INC.
12/18/2015	5,079.00	14.90	349.40	5,040.28	396.36	LEAM DRILLING SYSTEMS, INC.
12/18/2015	5,173.00	14.60	349.10	5,131.18	420.29	LEAM DRILLING SYSTEMS, INC.
12/18/2015	5,266.00	14.80	349.30	5,221.14	443.89	LEAM DRILLING SYSTEMS, INC.
12/18/2015	5,360.00	14.80	349.90	5,312.02	467.90	LEAM DRILLING SYSTEMS, INC.
12/18/2015	5,454.00	15.00	350.50	5,402.86	492.07	LEAM DRILLING SYSTEMS, INC.
12/18/2015	5,548.00	14.30	350.90	5,493.80	515.84	LEAM DRILLING SYSTEMS, INC.
12/20/2015	5,636.00	14.70	347.40	5,579.00	537.87	LEAM DRILLING SYSTEMS, INC.
12/20/2015	5,730.00	14.10	344.90	5,670.05	561.24	LEAM DRILLING SYSTEMS, INC.
12/20/2015	5,824.00	13.20	345.30	5,761.39	583.42	LEAM DRILLING SYSTEMS, INC.
12/20/2015	5,918.00	13.10	348.30	5,852.93	604.80	LEAM DRILLING SYSTEMS, INC.
12/20/2015	5,943.00	13.20	349.20	5,877.27	610.49	LEAM DRILLING SYSTEMS, INC.
1/10/2016	6,020.00	13.10	351.00	5,952.25	628.00	LEAM DRILLING SYSTEMS, INC.
1/10/2016	6,113.00	14.40	352.00	6,042.59	650.10	LEAM DRILLING SYSTEMS, INC.
1/10/2016	6,207.00	16.00	354.30	6,133.30	674.74	LEAM DRILLING SYSTEMS, INC.
1/10/2016	6,301.00	18.50	355.20	6,223.06	702.62	LEAM DRILLING SYSTEMS, INC.
1/10/2016	6,395.00	18.60	355.70	6,312.18	732.52	LEAM DRILLING SYSTEMS, INC.
1/10/2016	6,489.00	17.90	356.30	6,401.45	761.96	LEAM DRILLING SYSTEMS, INC.
1/10/2016	6,582.00	18.00	357.50	6,489.92	790.62	LEAM DRILLING SYSTEMS, INC.
1/10/2016	6,676.00	16.70	357.70	6,579.64	818.65	LEAM DRILLING SYSTEMS, INC.
1/10/2016	6,770.00	16.20	354.10	6,669.80	845.25	LEAM DRILLING SYSTEMS, INC.
1/10/2016	6,864.00	15.30	352.00	6,760.27	870.77	LEAM DRILLING SYSTEMS, INC.
1/10/2016	6,957.00	14.60	351.00	6,850.12	894.76	LEAM DRILLING SYSTEMS, INC.
1/10/2016	7,051.00	15.30	348.90	6,940.94	919.00	LEAM DRILLING SYSTEMS, INC.
1/10/2016	7,145.00	13.80	347.60	7,031.92	942.62	LEAM DRILLING SYSTEMS, INC.
1/10/2016	7,239.00	11.10	341.10	7,123.71	962.85	LEAM DRILLING SYSTEMS, INC.
1/10/2016	7,332.00	11.30	343.20	7,214.94	980.91	LEAM DRILLING SYSTEMS, INC.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Unwrap Displace (ft)	Survey Company
1/10/2016	7,426.00	14.90	346.10	7,306.48	1,002.20	LEAM DRILLING SYSTEMS, INC.
1/10/2016	7,520.00	16.40	355.50	7,397.00	1,027.48	LEAM DRILLING SYSTEMS, INC.
1/11/2016	7,614.00	16.10	359.10	7,487.25	1,053.77	LEAM DRILLING SYSTEMS, INC.
1/11/2016	7,707.00	14.60	356.80	7,576.93	1,078.38	LEAM DRILLING SYSTEMS, INC.
1/11/2016	7,801.00	16.60	352.60	7,667.47	1,103.65	LEAM DRILLING SYSTEMS, INC.
1/11/2016	7,895.00	17.20	351.30	7,757.41	1,130.97	LEAM DRILLING SYSTEMS, INC.
1/11/2016	7,988.00	13.90	355.00	7,846.99	1,155.88	LEAM DRILLING SYSTEMS, INC.
1/11/2016	8,082.00	10.90	349.40	7,938.79	1,176.04	LEAM DRILLING SYSTEMS, INC.
1/11/2016	8,176.00	7.60	349.40	8,031.56	1,191.15	LEAM DRILLING SYSTEMS, INC.
1/11/2016	8,269.00	7.50	350.30	8,123.75	1,203.37	LEAM DRILLING SYSTEMS, INC.
1/11/2016	8,363.00	5.70	346.90	8,217.12	1,214.17	LEAM DRILLING SYSTEMS, INC.
1/11/2016	8,456.00	3.40	339.00	8,309.83	1,221.53	LEAM DRILLING SYSTEMS, INC.
1/11/2016	8,550.00	3.40	338.10	8,403.66	1,227.11	LEAM DRILLING SYSTEMS, INC.
1/11/2016	8,644.00	2.70	342.50	8,497.53	1,232.10	LEAM DRILLING SYSTEMS, INC.
1/11/2016	8,737.00	2.60	339.40	8,590.43	1,236.40	LEAM DRILLING SYSTEMS, INC.
1/11/2016	8,831.00	1.80	330.40	8,684.36	1,240.00	LEAM DRILLING SYSTEMS, INC.
1/11/2016	8,925.00	1.00	312.30	8,778.33	1,242.27	LEAM DRILLING SYSTEMS, INC.
1/11/2016	8,987.00	0.60	297.90	8,840.32	1,243.13	LEAM DRILLING SYSTEMS, INC.
1/12/2016	9,039.00	0.50	261.90	8,892.32	1,243.60	LEAM DRILLING SYSTEMS, INC.
1/12/2016	9,132.00	12.10	168.30	8,984.63	1,253.37	LEAM DRILLING SYSTEMS, INC.
1/12/2016	9,226.00	23.10	164.40	9,074.10	1,281.74	LEAM DRILLING SYSTEMS, INC.
1/12/2016	9,319.00	30.20	172.30	9,157.19	1,323.34	LEAM DRILLING SYSTEMS, INC.
1/12/2016	9,413.00	36.70	168.30	9,235.59	1,375.10	LEAM DRILLING SYSTEMS, INC.
1/12/2016	9,507.00	43.40	166.10	9,307.51	1,435.54	LEAM DRILLING SYSTEMS, INC.
1/12/2016	9,601.00	47.50	163.30	9,373.44	1,502.50	LEAM DRILLING SYSTEMS, INC.
1/12/2016	9,632.00	49.90	163.09	9,393.90	1,525.79	LEAM DRILLING SYSTEMS, INC.
1/12/2016	9,664.00	52.10	163.71	9,414.04	1,550.66	LEAM DRILLING SYSTEMS, INC.
1/13/2016	9,695.00	54.80	164.13	9,432.50	1,575.56	LEAM DRILLING SYSTEMS, INC.
1/13/2016	9,726.00	57.90	163.68	9,449.67	1,601.36	LEAM DRILLING SYSTEMS, INC.
1/13/2016	9,757.00	60.40	163.94	9,465.57	1,627.97	LEAM DRILLING SYSTEMS, INC.
1/13/2016	9,789.00	63.30	163.90	9,480.66	1,656.18	LEAM DRILLING SYSTEMS, INC.
1/14/2016	9,851.00	71.30	162.70	9,504.57	1,713.33	LEAM DRILLING SYSTEMS, INC.
1/14/2016	9,882.00	76.80	162.50	9,513.09	1,743.13	LEAM DRILLING SYSTEMS, INC.
1/15/2016	9,976.00	91.00	163.58	9,523.05	1,836.36	LEAM DRILLING SYSTEMS, INC.
1/15/2016	10,069.00	91.30	163.49	9,521.18	1,929.34	LEAM DRILLING SYSTEMS, INC.
1/15/2016	10,163.00	91.40	164.32	9,518.97	2,023.31	LEAM DRILLING SYSTEMS, INC.
1/15/2016	10,257.00	91.50	166.48	9,516.59	2,117.27	LEAM DRILLING SYSTEMS, INC.
1/15/2016	10,351.00	90.60	164.75	9,514.87	2,211.25	LEAM DRILLING SYSTEMS, INC.
1/15/2016	10,351.00	91.50	166.48	9,514.87	2,211.25	LEAM DRILLING SYSTEMS, INC.
1/15/2016	10,444.00	91.10	165.40	9,512.76	2,304.23	LEAM DRILLING SYSTEMS, INC.
1/15/2016	10,538.00	91.00	164.44	9,511.03	2,398.21	LEAM DRILLING SYSTEMS, INC.
1/15/2016	10,632.00	90.90	166.17	9,509.48	2,492.20	LEAM DRILLING SYSTEMS, INC.
1/15/2016	10,725.00	91.50	166.50	9,507.53	2,585.17	LEAM DRILLING SYSTEMS, INC.
1/15/2016	10,819.00	91.60	164.75	9,504.99	2,679.14	LEAM DRILLING SYSTEMS, INC.
1/15/2016	10,913.00	92.00	167.70	9,502.03	2,773.08	LEAM DRILLING SYSTEMS, INC.
1/15/2016	11,007.00	92.10	166.29	9,498.67	2,867.02	LEAM DRILLING SYSTEMS, INC.
1/15/2016	11,100.00	90.60	166.22	9,496.48	2,959.99	LEAM DRILLING SYSTEMS, INC.
1/15/2016	11,194.00	91.70	166.80	9,494.59	3,053.97	LEAM DRILLING SYSTEMS, INC.
1/15/2016	11,288.00	93.00	166.47	9,490.74	3,147.89	LEAM DRILLING SYSTEMS, INC.
1/15/2016	11,381.00	90.20	165.76	9,488.14	3,240.84	LEAM DRILLING SYSTEMS, INC.
1/15/2016	11,475.00	90.30	165.20	9,487.73	3,334.84	LEAM DRILLING SYSTEMS, INC.
1/15/2016	11,569.00	91.00	164.28	9,486.67	3,428.83	LEAM DRILLING SYSTEMS, INC.
1/15/2016	11,663.00	90.20	165.04	9,485.68	3,522.83	LEAM DRILLING SYSTEMS, INC.
1/15/2016	11,756.00	90.10	167.10	9,485.44	3,615.82	LEAM DRILLING SYSTEMS, INC.
1/15/2016	11,850.00	91.30	167.35	9,484.29	3,709.81	LEAM DRILLING SYSTEMS, INC.
1/16/2016	11,944.00	90.50	166.76	9,482.81	3,803.80	LEAM DRILLING SYSTEMS, INC.
1/16/2016	12,037.00	91.30	166.52	9,481.35	3,896.79	LEAM DRILLING SYSTEMS, INC.
1/16/2016	12,131.00	89.50	165.47	9,480.70	3,990.78	LEAM DRILLING SYSTEMS, INC.
1/16/2016	12,225.00	89.90	165.16	9,481.19	4,084.78	LEAM DRILLING SYSTEMS, INC.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Unwrap Displace (ft)	Survey Company
1/16/2016	12,318.00	88.70	165.71	9,482.32	4,177.77	LEAM DRILLING SYSTEMS, INC.
1/16/2016	12,412.00	90.60	167.31	9,482.90	4,271.76	LEAM DRILLING SYSTEMS, INC.
1/16/2016	12,506.00	91.70	167.55	9,481.01	4,365.74	LEAM DRILLING SYSTEMS, INC.
1/16/2016	12,599.00	90.60	166.87	9,479.14	4,458.72	LEAM DRILLING SYSTEMS, INC.
1/16/2016	12,693.00	90.90	166.72	9,477.91	4,552.71	LEAM DRILLING SYSTEMS, INC.
1/16/2016	12,784.00	92.50	167.99	9,475.21	4,643.66	LEAM DRILLING SYSTEMS, INC.
1/16/2016	12,874.00	91.20	167.12	9,472.31	4,733.61	LEAM DRILLING SYSTEMS, INC.
1/16/2016	12,965.00	89.90	165.35	9,471.44	4,824.60	LEAM DRILLING SYSTEMS, INC.
1/16/2016	13,056.00	90.90	164.89	9,470.80	4,915.60	LEAM DRILLING SYSTEMS, INC.
1/16/2016	13,145.00	90.30	165.25	9,469.87	5,004.60	LEAM DRILLING SYSTEMS, INC.
1/16/2016	13,236.00	91.10	165.59	9,468.76	5,095.59	LEAM DRILLING SYSTEMS, INC.
1/16/2016	13,327.00	90.30	165.75	9,467.65	5,186.58	LEAM DRILLING SYSTEMS, INC.
1/16/2016	13,421.00	90.50	164.68	9,466.99	5,280.58	LEAM DRILLING SYSTEMS, INC.
1/16/2016	13,515.00	91.80	169.18	9,465.10	5,374.53	LEAM DRILLING SYSTEMS, INC.
1/16/2016	13,608.00	90.70	168.54	9,463.07	5,467.51	LEAM DRILLING SYSTEMS, INC.
1/16/2016	13,702.00	91.40	167.95	9,461.35	5,561.49	LEAM DRILLING SYSTEMS, INC.
1/16/2016	13,796.00	89.10	166.06	9,460.94	5,655.48	LEAM DRILLING SYSTEMS, INC.
1/16/2016	13,890.00	88.60	167.49	9,462.83	5,749.46	LEAM DRILLING SYSTEMS, INC.
1/16/2016	13,984.00	89.90	167.55	9,464.06	5,843.45	LEAM DRILLING SYSTEMS, INC.
1/16/2016	14,077.00	90.60	166.76	9,463.65	5,936.45	LEAM DRILLING SYSTEMS, INC.
1/16/2016	14,171.00	91.40	166.41	9,462.01	6,030.43	LEAM DRILLING SYSTEMS, INC.
1/16/2016	14,265.00	91.10	166.15	9,459.96	6,124.41	LEAM DRILLING SYSTEMS, INC.
1/16/2016	14,359.00	90.80	166.23	9,458.40	6,218.39	LEAM DRILLING SYSTEMS, INC.
1/17/2016	14,452.00	91.50	165.37	9,456.53	6,311.37	LEAM DRILLING SYSTEMS, INC.
1/17/2016	14,546.00	91.70	163.07	9,453.91	6,405.33	LEAM DRILLING SYSTEMS, INC.
1/17/2016	14,640.00	89.90	162.72	9,452.60	6,499.32	LEAM DRILLING SYSTEMS, INC.
1/17/2016	14,733.00	89.50	165.09	9,453.08	6,592.31	LEAM DRILLING SYSTEMS, INC.
1/17/2016	14,827.00	89.20	165.88	9,454.15	6,686.30	LEAM DRILLING SYSTEMS, INC.
1/17/2016	14,921.00	91.30	170.51	9,453.74	6,780.27	LEAM DRILLING SYSTEMS, INC.
1/17/2016	15,015.00	90.60	169.37	9,452.18	6,874.26	LEAM DRILLING SYSTEMS, INC.
1/17/2016	15,109.00	90.70	166.61	9,451.12	6,968.24	LEAM DRILLING SYSTEMS, INC.
1/17/2016	15,203.00	88.90	166.84	9,451.44	7,062.24	LEAM DRILLING SYSTEMS, INC.
1/17/2016	15,296.00	89.10	165.57	9,453.07	7,155.22	LEAM DRILLING SYSTEMS, INC.
1/17/2016	15,390.00	89.80	164.65	9,453.97	7,249.21	LEAM DRILLING SYSTEMS, INC.
1/17/2016	15,484.00	89.50	164.20	9,454.54	7,343.21	LEAM DRILLING SYSTEMS, INC.
1/17/2016	15,577.00	89.80	165.96	9,455.11	7,436.21	LEAM DRILLING SYSTEMS, INC.
1/17/2016	15,671.00	91.00	166.08	9,454.46	7,530.20	LEAM DRILLING SYSTEMS, INC.
1/17/2016	15,765.00	91.10	165.72	9,452.73	7,624.19	LEAM DRILLING SYSTEMS, INC.
1/17/2016	15,859.00	91.60	164.81	9,450.52	7,718.16	LEAM DRILLING SYSTEMS, INC.
1/17/2016	15,953.00	91.80	164.19	9,447.73	7,812.12	LEAM DRILLING SYSTEMS, INC.
1/17/2016	16,046.00	91.50	165.17	9,445.05	7,905.08	LEAM DRILLING SYSTEMS, INC.
1/17/2016	16,140.00	91.10	166.57	9,442.92	7,999.05	LEAM DRILLING SYSTEMS, INC.
1/17/2016	16,234.00	91.80	167.08	9,440.54	8,093.02	LEAM DRILLING SYSTEMS, INC.
1/17/2016	16,328.00	92.50	167.38	9,437.01	8,186.95	LEAM DRILLING SYSTEMS, INC.
1/17/2016	16,422.00	92.30	166.54	9,433.08	8,280.87	LEAM DRILLING SYSTEMS, INC.
1/18/2016	16,516.00	90.60	165.48	9,430.70	8,374.84	LEAM DRILLING SYSTEMS, INC.
1/18/2016	16,609.00	88.00	164.29	9,431.83	8,467.82	LEAM DRILLING SYSTEMS, INC.
1/18/2016	16,703.00	90.40	166.68	9,433.15	8,561.80	LEAM DRILLING SYSTEMS, INC.
1/18/2016	16,797.00	91.50	166.90	9,431.59	8,655.78	LEAM DRILLING SYSTEMS, INC.
1/18/2016	16,891.00	91.10	166.10	9,429.46	8,749.76	LEAM DRILLING SYSTEMS, INC.
1/18/2016	16,984.00	88.20	163.85	9,430.02	8,842.74	LEAM DRILLING SYSTEMS, INC.
1/18/2016	17,078.00	87.90	165.50	9,433.22	8,936.68	LEAM DRILLING SYSTEMS, INC.
1/18/2016	17,172.00	87.90	164.88	9,436.67	9,030.62	LEAM DRILLING SYSTEMS, INC.
1/18/2016	17,265.00	88.50	166.02	9,439.59	9,123.57	LEAM DRILLING SYSTEMS, INC.
1/18/2016	17,359.00	89.10	165.73	9,441.56	9,217.55	LEAM DRILLING SYSTEMS, INC.
1/18/2016	17,453.00	90.90	165.93	9,441.56	9,311.54	LEAM DRILLING SYSTEMS, INC.
1/18/2016	17,547.00	91.50	165.66	9,439.59	9,405.52	LEAM DRILLING SYSTEMS, INC.
1/18/2016	17,641.00	91.30	166.18	9,437.29	9,499.49	LEAM DRILLING SYSTEMS, INC.
1/18/2016	17,734.00	91.50	165.92	9,435.02	9,592.47	LEAM DRILLING SYSTEMS, INC.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-38 30H

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Unwrap Displace (ft)	Survey Company
1/18/2016	17,828.00	88.30	164.04	9,435.18	9,686.45	LEAM DRILLING SYSTEMS, INC.
1/18/2016	17,922.00	88.30	164.88	9,437.97	9,780.41	LEAM DRILLING SYSTEMS, INC.
1/18/2016	18,016.00	88.20	166.03	9,440.84	9,874.36	LEAM DRILLING SYSTEMS, INC.
1/18/2016	18,109.00	90.40	166.96	9,441.98	9,967.35	LEAM DRILLING SYSTEMS, INC.
1/18/2016	18,203.00	91.20	165.92	9,440.67	10,061.34	LEAM DRILLING SYSTEMS, INC.
1/18/2016	18,297.00	92.50	165.73	9,437.63	10,155.29	LEAM DRILLING SYSTEMS, INC.
1/19/2016	18,391.00	90.80	165.07	9,434.93	10,249.24	LEAM DRILLING SYSTEMS, INC.
1/19/2016	18,485.00	91.90	164.87	9,432.71	10,343.22	LEAM DRILLING SYSTEMS, INC.
1/19/2016	18,579.00	90.40	163.79	9,430.82	10,437.19	LEAM DRILLING SYSTEMS, INC.
1/19/2016	18,672.00	91.10	165.05	9,429.61	10,530.18	LEAM DRILLING SYSTEMS, INC.
1/19/2016	18,766.00	90.60	166.14	9,428.21	10,624.17	LEAM DRILLING SYSTEMS, INC.
1/19/2016	18,860.00	90.60	165.20	9,427.23	10,718.16	LEAM DRILLING SYSTEMS, INC.
1/19/2016	18,954.00	91.30	164.76	9,425.67	10,812.15	LEAM DRILLING SYSTEMS, INC.
1/19/2016	19,047.00	90.80	164.90	9,423.97	10,905.14	LEAM DRILLING SYSTEMS, INC.
1/19/2016	19,141.00	88.00	162.03	9,424.95	10,999.11	LEAM DRILLING SYSTEMS, INC.
1/19/2016	19,235.00	89.90	165.40	9,426.67	11,093.08	LEAM DRILLING SYSTEMS, INC.
1/19/2016	19,329.00	90.20	167.02	9,426.59	11,187.07	LEAM DRILLING SYSTEMS, INC.
1/19/2016	19,422.00	90.00	165.34	9,426.43	11,280.07	LEAM DRILLING SYSTEMS, INC.
1/19/2016	19,516.00	90.50	164.58	9,426.02	11,374.07	LEAM DRILLING SYSTEMS, INC.
1/19/2016	19,610.00	90.10	164.44	9,425.53	11,468.07	LEAM DRILLING SYSTEMS, INC.
1/19/2016	19,704.00	90.00	163.94	9,425.44	11,562.07	LEAM DRILLING SYSTEMS, INC.
1/19/2016	19,757.00	90.40	163.64	9,425.26	11,615.07	LEAM DRILLING SYSTEMS, INC.
1/19/2016	19,820.00	90.40	163.64	9,424.82	11,678.06	LEAM DRILLING SYSTEMS, INC.