

## Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 22H

<b>UNIVERSITY 7-43 22H</b>						
API/UWI 42-003-46352-0000		Property Sub 927638-022		Operator PIONEER NATURAL RESRC USA, INC		State TEXAS
Field Name SPRABERRY (TREND AREA)		Surface Legal Location 300' FSL/ 717' FEL, SEC: 35, BLK: 7, TWP: , SVY: University Lands				
Spud Date 12/12/2014		TD Date 1/12/2015		Drilling Rig Release Date 1/16/2015		Frac Date 1/29/2016
Ground Elevation (ft) 2,952.00		Original KB Elevation (ft) 2,978.00		PBTD (All) (ftKB) Original - 19,340.0		Total Depth (All) (ftKB) Original - 19,441.0
						Total Depth All (TVD) (ftKB) Original - 8,939.7
<b>Report #: 1 Daily Operation: 12/11/2014 13:00 - 12/12/2014 06:00</b>						
Job Category ORIG DRILLING				Primary Job Type ODR		AFE Number 033402
Days From Spud (days) -1	Days on Location (days) 1	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal) 8.40	Rig	
<p>Operations Summary</p> <p>Check Pre Skid check list; Rig down &amp; prepare to skid; Skid f/ University 7-43 21H to University 7-43 22H; Rigging up &amp; preparing to spud; Install conductor &amp; Flowline</p> <p>Remarks</p> <p>Rig (H&amp;P 637), Well (University 7-43 # 22H)  Rig started Rigging down &amp; preparing to skid @ 13:00 12/11/14  Accepted rig on day work: hrs 12/12/2014  Spud In @ hrs 12/12/2014  Intermediate TD  Released Rig</p> <p>RIG NPT: 0 hours for previous 24 hrs., 0 hours for the month of December 2014</p> <p>Completion Percentage: 0% Surface hole drilled  Completion Percentage: 0 % Intermediate drilled,</p> <p>Water Meter @ 6,469 bbls Used 625 bbls</p> <p>Note: Notified Texas RRC 12/11/14 with intent to spud well and run and cement 13 3/8" casing.  Operator: Angela, Operator # 6</p> <p>No accidents, Incidents or spills reported last 24hrs.</p> <p>Survey @ 0.0 MD</p>						
<b>Time Log Summary</b>						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/11/2014 13:00	12/11/2014 19:00	6	PLAN	MOB	MIRU	HJSM on Pre skid; Go over Preskid check list; Knock std pipe loose; Clean skid rails, Knock pins out of BOPE traveler, Remove Flow line; Begin skidding rig 22'; Rig over University 7-43 22H @ 19:00 hrs 12/11/2014
12/11/2014 19:00	12/12/2014 01:30	6.5	PLAN	MOB	MIRU	Install Extentions to choke; add mud line extentions; Install safety cables on mud lines; Set in flow line stands, Install flow line extentions
12/12/2014 01:30	12/12/2014 06:00	4.5	PLAN	EQUIP	WLHEAD	Install Conductor; Connect flow line to conductor; Install turnbuckles

## Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 22H

Report #: 2 Daily Operation: 12/12/2014 06:00 - 12/13/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR		AFE Number 033402
Days From Spud (days) 0	Days on Location (days) 2	End Depth (ftKB) 1,600.0	End Depth (TVD) (ftKB) 1,599.8	Dens Last Mud (lb/gal) 8.30	Rig H & P, 637

### Operations Summary

Prepare to Spud; Prespud inspection; Spudded @ 18:30 hrs 12/12/2014. Drid surf 132' to 1600' (1468' @ 128 fph); 85% complete. RR to spud 29.5 hrs (1.2 days).

### Remarks

Rig (H&P 637), Well (University 7-43 # 22H)  
Rig started Rigging down & preparing to skid @ 13:00 12/11/14  
Accepted rig on day work: 01:30 hrs 12/12/2014  
Spud In @ 18:30 hrs 12/12/2014  
Intermediate TD:  
Released Rig

RIG NPT: 0 hours for previous 24 hrs., 0 hours for the month of December 2014

Completion Percentage: 85% Surface hole drilled

Completion Percentage: 0 % Intermediate drilled,

Water Meter @ 7,095 bbls Used 626 bbls Total used: 1251 bbls

Note: Notified Texas RRC 12/11/14 with intent to spud well and run and cement 13 3/8" casing.  
Operator: Angela, Operator # 6

No accidents, Incidents or spills reported last 24hrs.

Survey @ 1329' MD\_1.08 INC\_163.48 AZM\_1328' TVD\_DLS: 0.24\_7' F/Center\_75' F/21H

### Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/12/2014 06:00	12/12/2014 14:00	8	MOBILIZATION	MIRU	MIRU	Finish R/U flowline, center over hole & tie down conductor, R/U fill up line, put mouse hole, hook up cellar jet hoses, cellar covers around conductors. test mud lines, R/U elevators on & Pre Sud Inspection check list,
12/12/2014 14:00	12/12/2014 18:30	4.5	PLAN	EQUIP	BHA	PJSA/ Layout direction BHA & P/U 17 1/2" Ulterra bit. Scrib mtr. instal MWD, Tool, M/U bit. & P/ U D.C. tag bottom @ 120' ; Test MWD
12/12/2014 18:30	12/13/2014 06:00	11.5	SURF-DRILL	DRILL SURFACE	DRL	Rotate from 120' to 1600' ( 1468' @ 128 fph ) WOB 20k, 70 rpm, SPP 2200, motor diff 588, 800 GPM, torque 18 k

## Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 22H

Report #: 3 Daily Operation: 12/13/2014 06:00 - 12/14/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR		AFE Number 033402
Days From Spud (days) 1	Days on Location (days) 3	End Depth (ftKB) 1,859.0	End Depth (TVD) (ftKB) 1,858.5	Dens Last Mud (lb/gal) 8.60	Rig H & P, 637

### Operations Summary

Drld. Surface f/1600' to 1859' T.D. @ 09:00 12-13-14, TOOHS SLM ( No Corrections) L/D Direct. BHA & BIT, Clean floor, install bails ext. & C/O elevators. S/M, R/U csg running equip & Run 45 jts. of 13 3/8" 54.5 J-55 Butt. csg to 1,859'; CBU; S/M, R/U Basic Cmt. Tools  
Surface Float shoe @ 1,857.5'  
Float collar @ 1,817.9'

Surface

### Remarks

Rig (H&P 637), Well (University 7-43 # 22H)  
Rig started Rigging down & preparing to skid @ 13:00 12/11/14  
Accepted rig on day work: 13:00 hrs 12/12/2014  
Spud In @ 18:30 hrs 12/12/2014  
Surface TD: 1,859' @ 09:00 12/13/2014  
Intermediate TD:  
Released Rig

RIG NPT: 0 hours for previous 24 hrs., 0 hours for the month of December 2014

Completion Percentage: 100% Surface hole drilled  
Completion Percentage: 0 % Intermediate drilled,

Water Meter @ 7,710 bbls Used 615 bbls Total used: 1866 bbls

Note: Notified Texas RRC 12/11/14 with intent to spud well and run and cement 13 3/8" casing.

Operator: Angela, Operator # 6

Notified Texas RRC 12/13/2014 @08:46 hrs to Run 13 3/8" csg to 1,859' & cement

Spoke to Linda, Operator # 8

No accidents, Incidents or spills reported last 24hrs

Float shoe @ 1,857.5'  
collar @ 1,817.9'

Float

### Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/13/2014 06:00	12/13/2014 09:00	3	SURF-DRILL	DRILL SURFACE	DRL	Rotate from 1600' to 1859' (259' @ 8 fph). WOB 35 k, 70 rpm, SPP 2300, motor diff 650, 800 GPM, torque 18k. (T.D. Surface @ 09:00 12-13-14)
12/13/2014 09:00	12/13/2014 11:00	2	SURF-CIRC	CIRCULATE	CIRC	Pump 2- 50 bbl hi vis sweep; Circulate to surface
12/13/2014 11:00	12/13/2014 14:00	3	SURF-TRIP	TOOH	TRIP	TOOH (Slick off bottom) f/1859' to 108' (SLM) No Correction / Hole taking correct fill
12/13/2014 14:00	12/13/2014 16:00	2	PLAN	EQUIP	BHA	PJSA - Break bit & L/D directional BHA, clean floor & install bail ext.
12/13/2014 16:00	12/13/2014 17:30	1.5	PLAN	DRLG	CSG	PTJSA / R/U Pipe Pros.Csg. tools / PTJSA on run ning 13 3/8" csg.
12/13/2014 17:30	12/13/2014 18:00	0.5	PLAN	DRLG	CSG	Make up 13 3/8 Gemco PDC drillable float shoe; 1 jt 13 3/8" J-55 54.5 ppf BTC;
12/13/2014 18:00	12/13/2014 18:30	0.5	PLAN	PERS	SFTY	HJSM with Morning tour crew, Pipe Pro casing crew & PNR
12/13/2014 18:30	12/13/2014 23:30	5	PLAN	DRLG	CSG	Make up 13 /8" PDC drillable float collar onto shoe track that day crew had made up;followed by 1 jt of 13 3/8" J-55 54.5 BTC csg; Test float equip; Continue M/U 13 3/8" J-55 54.5 BTC csg f/ 0 to1,601';
12/13/2014 23:30	12/14/2014 01:30	2	SURF-CIRC	CIRCULATE	CIRC	HJSM on Hoisting personal; Make up Swedge in casing & begin washing csg down f/ 1,601' to 1,639' GPM: 290
12/14/2014 01:30	12/14/2014 03:30	2	PLAN	DRLG	CSG	Run 13 3/8"J-55 54.5 BTC f/ 1,639' to 1,819'; Washed f/ Tagged bttm;Total of 45 jts of 13 3/8" J-55
12/14/2014 03:30	12/14/2014 04:30	1	SURF-CIRC	CIRCULATE	CIRC	Circulate Bttms up while Rigging down csg crew equip
12/14/2014 04:30	12/14/2014 06:00	1.5	SURF-CMT	CEMENT SURFACE CASING	CMT	HJSM w/ Basic Cementer, H&P rig crew & PNR; Disconnect Mud pump, Install Cementing head; Connect lines to Pump truck & prepare to cement

## Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 22H

Report #: 4 Daily Operation: 12/14/2014 06:00 - 12/15/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR		AFE Number 033402
Days From Spud (days) 2	Days on Location (days) 4	End Depth (ftKB) 1,859.0	End Depth (TVD) (ftKB) 1,858.5	Dens Last Mud (lb/gal) 8.70	Rig H & P, 637

### Operations Summary

Cemented 13 3/8" Surface csg; ( Full Returns & 41 bbls of Cement to Surface ) WOC; N/D conductor; Weld on wellhead; N/U BOPE; Test BOPE

Surface Cmt.- Testl lines to 2500 psi, Pump 20 bbls of fresh water spacer, Lead Cmt. 730 sx (12.80 ppg. 1.93 yield) / Tail Cmt. 350 sx.(13.60 ppg.- 1.71 yield) / Drop plug - Displace 281bbls of fresh water, land plug, pressure up 500 psi over, hold 5 min., check float / FULL CIRC. through out job, circulated 41 bbls./119 sks to surface. Tail Cement to 1350' ( 620 lift psi - 1117 Final psi & 1 bbl back)

Float shoe @ 1,857'

Float collar @ 1,818'

### Remarks

Rig (H&P 637), Well (University 7-43 # 22H)

Rig started Rigging down & preparing to skid @ 13:00 12/11/14

Accepted rig on day work: 13:00 hrs 12/12/2014

Spud In @ 18:30 hrs 12/12/2014

Surface TD: 1,859' @ 09:00 12/13/2014

Intermediate TD:

Released Rig

RIG NPT: 0 hours for previous 24 hrs., 0 hours for the month of December 2014

Completion Percentage: 100% Surface hole drilled

Completion Percentage: 0 % Intermediate drilled,

Water Meter @ 8,319 bbls Used 609 bbls Total used: 2475 bbls

Note: Notified Texas RRC 12/11/14 with intent to spud well and run and cement 13 3/8" casing.

Operator: Angela, Operator # 6

Notified Texas RRC 12/13/2014 @08:46 hrs to Run 13 3/8" csg to 1,859' & cement

Spoke to Linda, Operator # 8

No accidents, Incidents or spills reported last 24hrs

Float shoe @ 1,857'

Float collar @ 1,818'

Full Returns during Surface Cement job / Lead Cement to Surface

41 bbls of Cement to Surface -Tail Cement to 1,350'

### Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/14/2014 06:00	12/14/2014 08:30	2.5	SURF-CMT	CEMENT SURFACE CASING	CMT	Surface Cmt.- Testl lines to 2500 psi, Pump 20 bbls of fresh water spacer, Lead Cmt. 730 sx (12.80 ppg. 1.93 yield) / Tail Cmt. 350 sx.(13.60 ppg.- 1.71 yield) / Drop plug - Displace 281bbls of fresh water, land plug, pressure up 500 psi over, hold 5 min., check float / FULL CIRC. through out job, circulated 41 bbls./119 sks to surface. Tail Cement to 1350' ( 620 lift psi - 1117 Final psi & 1 bbl back)
12/14/2014 08:30	12/14/2014 09:30	1	PLAN	DRLG	CMTPRI	Safety Meeting W/ Basic Cementers, Rig down Cement Head & all Basic Cmt. Tools
12/14/2014 09:30	12/14/2014 11:30	2	PLAN	EQUIP	BOPS	PJSM - N/D Flow line Conductor, Turn buckles on conductor
12/14/2014 11:30	12/14/2014 15:30	4	PLAN	EQUIP	WLHEAD	P/U conductor, Rough cut 13 3/8" Surface casing; L/D cut off 13 3/8" csg & Conductor; Final cut on 13 3/8" csg; Install well head; & weld same; Test well head to 500 psi
12/14/2014 15:30	12/14/2014 16:30	1	PLAN	EQUIP	WLHEAD	Remove Casing elevators, Extension bales, & Casing bowl
12/14/2014 16:30	12/15/2014 03:00	10.5	PLAN	EQUIP	BOPS	HJSM w/ H&P rig crew, Mid Central N/U crew & PNR: Nipple up BOPE, Rotaing Head, Orbit valve; All Related Equip.
12/15/2014 03:00	12/15/2014 06:00	3	PLAN	EQUIP	BOPS	HJSM; w/ H&P rig crew, Mid Central Testing & PNR; Test BOPE 250 psi Low on all test; 1500 psi High on Annular, 2500 psi High on all other Test ; Test Casing 500 psi High on casing for 30 min, 250 psi low for 5 mins/ Prep- to test Rams