

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

API/UWI 42-003-46351-0000		Property Sub 927638-021		Operator PIONEER NATURAL RESRC USA, INC		State TEXAS		County ANDREWS	
Field Name SPRABERRY (TREND AREA)				Surface Legal Location 300' FSL/ 687' FEL, SEC: 35, BLK: 7, TWP: , SVY: University lands					
Spud Date 11/26/2014		TD Date 2/3/2015		Drilling Rig Release Date 2/7/2015		Frac Date 5/16/2015		On Production Date	
Ground Elevation (ft) 2,952.00		Original KB Elevation (ft) 2,978.00		PBDT (All) (ftKB) Original Hole - 19,803.4		Total Depth (All) (ftKB) Original Hole - 19,913.0		Total Depth All (TVD) (ftKB) Original Hole - 9,424.4	
Report #: 1 Daily Operation: 11/18/2014 06:00 - 11/19/2014 06:00									
Job Category ORIG DRILLING				Primary Job Type ODR				AFE Number 033397	
Days From Spud (days) -8		Days on Location (days) 1		End Depth (ftKB) 0.0		End Depth (TVD) (ftKB)		Dens Last Mud (lb/gal) Rig	
Operations Summary Waiting on orders to begin rigging up; moving 27 loads of H&P 637 into University Location + 5 loads of drill pipe, set 2 pieces of rig in place									
Remarks Waiting for H&P to get paperwork back to Pioneer									
Time Log Summary									
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com			
11/18/2014 06:00	11/18/2014 12:00	6	PLAN	MOB	MIRU	Waiting on orders to begin rigging up			
11/18/2014 12:00	11/18/2014 18:00	6	PLAN	MOB	MIRU	Hold Pre-job safety meeting, moving 27 loads of H&P 637 into University Location + 5 loads of drill pipe, set 2 pieces of rig in place			
11/18/2014 18:00	11/19/2014 06:00	12	PLAN	MOB	MIRU	Waiting on Daylight			
Report #: 2 Daily Operation: 11/19/2014 06:00 - 11/20/2014 06:00									
Job Category ORIG DRILLING				Primary Job Type ODR				AFE Number 033397	
Days From Spud (days) -7		Days on Location (days) 2		End Depth (ftKB) 0.0		End Depth (TVD) (ftKB)		Dens Last Mud (lb/gal) Rig	
Operations Summary Receive 25 loads rig components from Houston to University 7-43 #21H location. Rig 100% on location, 10% spotted, 10% rigged up. Estimated spud 11/26/2014									
Remarks Rig (H&P 637), Well (University 7-43 # 21H) Accepted: N/A Spud In @ N/A Rig started arriving from Houston yard 11/18/14 @ 12:00pm No accidents, incidents or spills reported.									
RIG NPT: 0 hours for previous 24 hrs., 0 hours for the month of November 2014									
Completion Percentage: 100% on location, 10% spotted, 10% rigged up									
Estimated spud date: 11/26/2014									
Water Meter @ 0 bbls Used 0 bbls									
Time Log Summary									
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com			
11/19/2014 06:00	11/19/2014 18:00	12	PLAN	MOB	MIRU	Receive 25 loads rig components from Houston to University 7-43 #21H location. Rig 100% on location, 10% spotted, 10% rigged up. Estimated spud 11/26/2014			
11/19/2014 18:00	11/20/2014 06:00	12	PLAN	MOB	MIRU	Waiting on daylight.			

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Well Name: UNIVERSITY 7-43 #21H

Report #: 3 Daily Operation: 11/20/2014 06:00 - 11/21/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 033397
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
-6	3	0.0				

Operations Summary

Hold pjsm with Pioneer, H&P and rig moving personnel. Spot mud pits; shakers tank, settling pits, active mud pits. Spot generator package & diesel tank. Spot substructure and install center steel, drawworks skid. Set derrick ramps in place, pin up derrick on headache rack. Rig up hydraulics and raise subs. Spot choke manifold and separator in place, spot parts house. Install dog house on raising mast and on same,

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Accepted: N/A
Spud In @ N/A
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
No accidents, incidents or spills reported.

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

Completion Percentage: 100% on location, 75% spotted, 20% rigged up

Estimated spud date: 11/26/2014

Water Meter @ 0 bbls Used 0 bbls

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
11/20/2014 06:00	11/20/2014 18:00	12	PLAN	MOB	MIRU	Hold pjsm with Pioneer, H&P and rig moving personnel. Spot mud pits; shakers tank, settling pits, active mud pits. Spot generator package & diesel tank. Spot substructure and install center steel, drawworks skid. Set derrick ramps in place, pin up derrick on headache rack. Rig up hydraulics and raise subs. Spot choke manifold and separator in place, spot parts house. Install dog house on raising mast and pin same.
11/20/2014 18:00	11/21/2014 06:00	12	PLAN	MOB	MIRU	Waiting on daylight.

Report #: 4 Daily Operation: 11/21/2014 06:00 - 11/22/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 033397
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
-5	4	0.0				

Operations Summary

Hold pjsm with Pioneer, H&P and rig moving personnel. Install catwalk and stairs, raise V-door and pin up same. Raise dog house and pin up to rig floor. Dress out derrick and make final walk around. Raise derrick. (Derrick in air 14:00pm 11/21/14). Install stairs to rig floor, set geronimo line on skid, raise gas buster. Run out and start plugging electrical lines. Rig 100% on location, 95% spotted, 35% rigged up.

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Accepted: N/A
Spud In @ N/A
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
No accidents, incidents or spills reported.

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

Completion Percentage: 100% on location, 95% spotted, 35% rigged up

Estimated spud date: 11/26/2014

Water Meter @ 0 bbls Used 0 bbls

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Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
11/21/2014 06:00	11/21/2014 18:00	12	PLAN	MOB	MIRU	Hold pism with Pioneer, H&P and rig moving personnel. Install catwalk and stairs, raise V-door and pin up same. Raise dog house and pin up to rig floor. Dress out derrick and make final walk around. Raise derrick. (Derrick in air 14:00pm 11/21/14). Install stairs to rig floor, set geronimo line on skid, raise gas buster. Run out and start plugging electrical lines. Rig 100% on location, 95% spotted, 35% rigged up.
11/21/2014 18:00	11/22/2014 06:00	12	PLAN	MOB	MIRU	Waiting on daylight.

Report #: 5 Daily Operation: 11/22/2014 06:00 - 11/23/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 033397
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
-4	5	0.0				

Operations Summary

Fabricate shaker slides with welders. Install vibrator hoses to all 3 mud pumps, install standpipe from MCC to rig floor, rig up trip tanks & gas buster. Install ground rods on all rigs equipment. Hook up all elecetrical lines with electrician, connect stand pipe mud line extensions to rig floor, install kill line. Install turnbuckles & SALA blocks in subs. Install cellar covers. Connect lines on the degasser and desilter, function test drawworks, test shale shakers, dress out rig floor. 100% on location, 99% spotted, 45% rigged up. . Estimated spud date 11/26/2014.

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Accepted: N/A
Spud In @ N/A
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
No accidents, incidents or spills reported.

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

Completion Percentage: 100% on location, 100% spotted, 60% rigged up

Estimated spud date: 11/26/2014

Water Meter @ 3818 bbls Used 700 bbls

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
11/22/2014 06:00	11/22/2014 18:00	12	PLAN	MOB	MIRU	Fabricate shaker slides with welders. Install vibrator hoses to all 3 mud pumps, install standpipe from MCC to rig floor, rig up trip tanks & gas buster. Install ground rods on all rigs equipment. Hook up all elecetrical lines with electrician, connect stand pipe mud line extensions to rig floor, install kill line. Install turnbuckles & SALA blocks in subs. Install cellar covers.
11/22/2014 18:00	11/23/2014 06:00	12	PLAN	MOB	MIRU	Connect lines on the degasser and desilter, function test drawworks, function test shakers, function test mud pumps, dress out rig floor.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Report #: 6 Daily Operation: 11/23/2014 06:00 - 11/24/2014 06:00

Job Category ORIG DRILLING				Primary Job Type ODR		AFE Number 033397
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
-3	6	0.0				

Operations Summary

String up drawworks, undock top drive, string up drum, undock top drive. Calibrate drawworks, install bale link tilts and elevators, adjust link tilts, install rig floor tongs, install skid cylinders. Build and modify conductor with welders and hook up transfer pumps from reserve to mud pits. Install lights on rig, fill up pits with water and test for leaks, continue dressing out rig floor, installing Pason and Totco monitoring with 3rd party. Fill top drive with hydraulic oil and function test the same. Organzie and clean location for safety. Working on Cenergy action item list to commission rig. Prepare ot install conductor and flowline. . 100% on location, 100% spotted, 75% rigged up

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Accepted: N/A
Spud In @ N/A
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
No accidents, incidents or spills reported.

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

Completion Percentage: 100% on location, 99% spotted, 45% rigged up

Estimated spud date: 11/26/2014

Water Meter @ 3818 bbls Used 760 bbls

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
11/23/2014 06:00	11/23/2014 18:00	12	PLAN	MOB	MIRU	String up drawworks, undock top drive, string up drum, undock top drive. Calibrate drawworks, install bale link tilts and elevators, adjust link tilts, install rig floor tongs, install skid cylinders. Build and modify conductor with welders and hook up transfer pumps from reserve to mud pits.
11/23/2014 18:00	11/24/2014 06:00	12	MOBILIZATION	MIRU	MIRU	Install lights on rig, fill up pits with water and test for leaks, continue dressing out rig floor, installing Pason and Totco monitoring with 3rd party. Fill top drive with hydraulic oil and function test the same. Organzie and clean location for safety. Prepare ot install conductor and flowline.

Report #: 7 Daily Operation: 11/24/2014 06:00 - 11/25/2014 06:00

Job Category ORIG DRILLING				Primary Job Type ODR		AFE Number 033397
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
-2	7	0.0		8.30		

Operations Summary

Nipple up Conductor, install turnbuckles. Install flowline & hook up same to conductor sleeve. Start Commissioning Rig with Cenergy rep and hooking up fill up lines, jet lines. Hooking up hard lines from mud pumps to choke manifold for pump through test. Pin up V-door to wrangler, hook up power and test the same. Change out electric motor on #3 mud pump. Test mud pumps on auto drill to verify all components. Hook up lines from mud pumps to kill line to choke manifold and finish rigging up backyard PVC lines. Set open tops. Top of mud pumps with gear oil. Perform commissioning mud pumps with Cenergy: stage up #1 & #3 mud pumps to 1000psi for 30 min and observe for leaks, continue increasing pump pressure in 1000psi increments to 4250psi and observe equipment. No leaks observed. Moving blocks up and down while pumping to simulate tripping and load generators as per Cenergy rep recommendation.

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Accepted: N/A
Spud In @ N/A
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
No accidents, incidents or spills reported.

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

Completion Percentage: 100% on location, 100% spotted, 85% rigged up

Estimated spud date: 11/26/2014

Water Meter @ 3818 bbls Used 760 bbls

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
11/24/2014 06:00	11/24/2014 18:00	12	PLAN	MOB	MIRU	Nipple up Conductor, install turnbuckles. Install flowline & hook up same to conductor sleeve. Start Commissioning Rig with Cenergy rep and hooking up fill up lines, jet lines. Hooking up hard lines from mud pumps to choke manifold for pump through test. Pin up V-door to wrangler, hook up power and test the same. Change out electric motor on #3 mud pump. Test mud pumps on auto drill to verify all components.
11/24/2014 18:00	11/25/2014 00:30	6.5	PLAN	MOB	MIRU	Hook up lines from mud pumps to kill line to choke manifold and finish rigging up backyard PVC lines. Set open tops. Top of mud pumps with gear oil.
11/25/2014 00:30	11/25/2014 06:00	5.5	PLAN	MOB	MIRU	Perform commissioning mud pumps with Cenergy: stage up #1 & #3 mud pumps to 1000psi for 30 min and observe for leaks, continue increasing pump pressure in 1000psi increments to 4250psi and observe equipment. No leaks observed. Moving blocks up and down while pumping to simulate tripping and load generators as per Cenergy rep recommendation.

Report #: 8 Daily Operation: 11/25/2014 06:00 - 11/26/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 033397
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
-1	8	0.0		8.30		

Operations Summary

Continue commissioning mud pumps with Cenergy rep. Swap over to mud pump #2 & #3 dtsge up i every 30 min in 1,000psi increments to 4250psi and moniotr for leaks and pressure losses. Start DROP object commissioning on rig equipment with Cenergy rep. Mud pumps commisioned and accepted by Cenergy & Pioneer Rep. Standy waiting on commisioning paperwork from H&P. Held conference call with H&P, Pioneer office and Cenergy reps to discuss the proper required documentation from H&P in order to commision and accept rig on daywork. Continue waiting on orders while receiving documentation from H&P for commisioning rig.

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Accepted: N/A
Spud In @ N/A
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
No accidents, incidents or spills reported.

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

Completion Percentage: 100% on location, 100% spotted, 100% rigged up

Estimated spud date: 11/26/2014-11/27/2014

Water Meter @ 3818 bbls Used 0 bbls

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie Job # 19936

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
11/25/2014 06:00	11/25/2014 13:00	7	PLAN	MOB	MIRU	Continue commissioning mud pumps with Cenergy rep. Swap over to mud pump #2 & #3 dtsge up i every 30 min in 1,000psi increments to 4250psi and moniotr for leaks and pressure losses. Start DROP object commissioning on rig equipment with Cenergy rep. Mud pumps commisioned and accepted by Cenergy & Pioneer Rep.
11/25/2014 13:00	11/26/2014 06:00	17	PLAN	MOB	MIRU	Standy waiting on commisioning paperwork from H&P. Held conference call with H&P, Pioneer office and Cenergy reps to discuss the proper required documentation from H&P in order to commision and accept rig on daywork. Continue waiting on orders while receiving documentation from H&P for commisioning rig.

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Well Name: UNIVERSITY 7-43 #21H

Report #: 9 Daily Operation: 11/26/2014 06:00 - 11/27/2014 06:00

Job Category ORIG DRILLING				Primary Job Type ODR			AFE Number 033397
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig		
0	9	483.0	483.0	8.40	H & P, 637		

Operations Summary

Commision rig and receive approval from Pioneer office to accept rig & spud well. Well Spud @ 23:30hrs. 11/26/2014. Drill from 120' -483' (363' @ 103fph)

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)

Accepted: 13:00hrs 11/26/2014

Spud In @ 23:30hrs 11/26/2014

Rig started arriving from Houston yard 11/18/14 @ 12:00pm

No accidents, incidents or spills reported.

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

Completion Percentage: 26 % Surface hole drilled

Water Meter @ 3818 bbls Used 0 bbls

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.

Operator Katie Job # 19936

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
11/26/2014 06:00	11/26/2014 13:00	7	PLAN	MOB	MIRU	Finish commisioning the rig and receive orders from Pioneer to accept rig and spud well.
11/26/2014 13:00	11/26/2014 14:00	1	PLAN	EQUIP	BHA	Hold pre spud meeting with Pioneer rep, H&P personnel, directional & mud reps on location. Accepted rig on daywork at 13:00hrs. 11/26/2014.
11/26/2014 14:00	11/26/2014 14:30	0.5	PLAN	EQUIP	RIGSER	Rig service.
11/26/2014 14:30	11/26/2014 16:00	1.5	PLAN	EQUIP	BHA	Function test ST-80, install master bushings, make up saver sub to top drive.
11/26/2014 16:00	11/26/2014 17:00	1	PLAN	EQUIP	BHA	Lay out directional BHA & drill collars.
11/26/2014 17:00	11/26/2014 23:30	6.5	PLAN	EQUIP	BHA	Picking up Scientific 1.83 deg. 7/8 lobe 5.7stage mud motor, float sun, 2 non mag DC's, x-over, 2- 8" Drill collars, X-over, 6-6.5" drill collars, x-over, 21- 5" hwt. pipe. Test surface tools (all good) Make up Ulterra17 1/2" U616S (9x14's).
11/26/2014 23:30	11/27/2014 02:00	2.5	SURF-DRILL	DRILL SURFACE	DRL	Tag bottom @ 146'. Drill 17 1/2" Surface Hole; Rotate from 120' to 390' (270' @ 108 FPH). WOB 10 to 15K, 60 RPM, Motor Diff 200, 803 GPM. Note: Well Spud 23:30hrs 11/27/2014
11/27/2014 02:00	11/27/2014 02:30	0.5	SURF-TRIP	TOOH	TRIP	Trip out of hole, rack 3 stands of heavyweight back.
11/27/2014 02:30	11/27/2014 05:00	2.5	SURF-TIH	TRIP IN HOLE	TIH	Trip in hole with 2 stands of 6.5 drill collars and 1 stand of heavyweight
11/27/2014 05:00	11/27/2014 06:00	1	SURF-DRILL	DRILL SURFACE	DRL	Drill 17 1/2" Surface Hole; Rotate from 390' to 483' (93' @ 93 FPH). WOB 10 to 15K, 60 RPM, Motor Diff 200, 803 GPM.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Report #: 10 Daily Operation: 11/27/2014 06:00 - 11/28/2014 06:00

Job Category ORIG DRILLING				Primary Job Type ODR		AFE Number 033397
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
1	10	1,867.0	1,865.7	9.10	H & P, 637	

Operations Summary

Drill from 483' to 1867' (1384' @ 125.8FPH), Circulate and condition hole, Trip out of hole, Trip in hole to 1867', Circulate and condition hole, Trip out of hole to run 13 3/8" surface casing

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Accepted: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
No accidents, incidents or spills reported.

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

Completion Percentage: 100% Surface hole drilled

Water Meter @ 3818 bbls Used 0 bbls

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie Job # 19936

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
11/27/2014 06:00	11/27/2014 17:00	11	SURF-DRILL	DRILL SURFACE	DRL	Drill Surface Hole from 483' to 1867' (1,384' @ 153.7'FPH) WOB 10-25K, 70rpm, 844gpm, 2300psi, 600diff, 3-4k torque, 220spm
11/27/2014 17:00	11/27/2014 18:00	1	SURF-CIRC	CIRCULATE	CIRC	Circulate 2 40 bbls high viscosity sweeps, clean and condition hole to trip out for 13 3/8" casing.
11/27/2014 18:00	11/27/2014 19:00	1	SURF-CIRC	CIRCULATE	CIRC	Circulate and condition mud, clean hole for 13 3/8" casing
11/27/2014 19:00	11/28/2014 00:00	5	SURF-TRIP	TOOH	TRIP	Trip out of hole for wiper trip
11/28/2014 00:00	11/28/2014 02:30	2.5	SURF-TIH	TRIP IN HOLE	TIH	Trip in hole to 1867'
11/28/2014 02:30	11/28/2014 03:30	1	SURF-CIRC	CIRCULATE	CIRC	Pump 50vis sweep, circulate 2 bottoms up.
11/28/2014 03:30	11/28/2014 06:00	2.5	SURF-TRIP	TOOH	TRIP	Trip out of hole to run 13 3/8" casing

Report #: 11 Daily Operation: 11/28/2014 06:00 - 11/29/2014 06:00

Job Category ORIG DRILLING				Primary Job Type ODR		AFE Number 033397
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
2	11	1,867.0	1,865.7	9.10	H & P, 637	

Operations Summary

Lay down BHA, Run 45 joints of 13 3/8" surface casing, circulate, cement, Remove conductor, dress casing for well head

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Accepted: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
No accidents, incidents or spills reported.

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

Completion Percentage: 100% Surface hole drilled

Water Meter @ 3818 bbls Used 0 bbls

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie Job # 19936

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Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
11/28/2014 06:00	11/28/2014 09:00	3	PLAN	EQUIP	BHA	Hold pjsm with day crew, rack back 6.5" & 8" drill collars and lay down 8" directional tools, break off bit and clean same.
11/28/2014 09:00	11/28/2014 10:00	1	PLAN	EQUIP	RIGSER	Rig service. Clean and organize rig floor for safety.
11/28/2014 10:00	11/28/2014 11:30	1.5	SURF-CASE	RUN SURFACE CASING	CASE	Hold pjsm with H&P & Express casing. Install casing bales extensions and rig up casing running equipment
11/28/2014 11:30	11/28/2014 18:30	7	SURF-CASE	RUN SURFACE CASING	CASE	Make up Float Shoe, shoe joint, Float Collar. Pump through same (All Good) Run 45 joints 13 3/8" 54.5ppf J-55 BTC Surface casing to 1867' . Hole slick no problems ART
11/28/2014 18:30	11/28/2014 21:00	2.5	SURF-CIRC	CIRCULATE	CIRC	Circulate with rig pumps, rig down casing crew while circulating.
11/28/2014 21:00	11/29/2014 01:30	4.5	SURF-CMT	CEMENT SURFACE CASING	CMT	Rig up cementers, test lines to 2500psi, Pump 20bbls spacer. Mix & Pump Lead 9 35/65/6 Class C with 6% gel+5% Salt6pps+4/10%C41P+1/4pps Celloflake+2/10%C-45): 736 sacks/254bbls @ 12.8ppg. Mix & Pump Tail (Class C with 2% C.C+1/4pps Celloflake+4%Gel): 285sacks/ 86.5bbls @ 13.6ppg. Drop plug. Displace with fresh water 281bbls. Final circulating pressure 600psi, bump plug with 1100psi (500psi over psi). Full returns while cementing, 50bbls of cement to surface. Pressure held 5 min after bumping plug, 2bbls back after bleed off. Note: Basic didnt not send a back up cement truck as per Pioneer rep request and had mechanical issues with the 1 pump truck on location and cement job took 2 hours longer due to mechanical issues with pump truck.
11/29/2014 01:30	11/29/2014 06:00	4.5	PLAN	EQUIP	BOPS	Flush all surface lines, Nipple down conductor & flex sleeve. Verify cement on backside, cement 4' below GL. Cut off conductor, make rough cut on casing. Lay down conductor & cut joint of casing.

Report #: 12 Daily Operation: 11/29/2014 06:00 - 11/30/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 033397
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
	3	12	1,867.0	1,865.7	8.40	H & P, 637

Operations Summary

Finish dressing casing for well head, weld on well head, install BOP, replace top pipe rams with variable rams, test choke manifold, test BOP, Test Accumulator with Cynergy, Test mud lines and TIW valves (TIW's did not test)

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Accepted: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
No accidents, incidents or spills reported.

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

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

Water Meter @ 4197 bbls Used 379 bbls

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie Job # 19936

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
11/29/2014 06:00	11/29/2014 09:00	3	PLAN	EQUIP	WLHEAD	Install A (13 3/8" x 13 5/8" 5M) & B Section (13 5/8" 5M x 13 5/8" 5M) wellhead with welder. Ensure wellhead system for 2 well pad. Test wellhead to 500psi for 30min, test good.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
11/29/2014 09:00	11/29/2014 21:00	12	PLAN	EQUIP	BOPS	Install 5K x10K DSA & 48" spacer spool on top of B section, change out top 5" rams to 3.5" x 5.5" VBR's. Install drive over ramp and hook up panic line, flare line & igniter. Install rotating head bowl, Orbit valve, connect flow line, connect hydraulic lines, function test BOP operation.
11/29/2014 21:00	11/30/2014 04:00	7	INT-NU/TEST	NIPPLE UP/TST	NU/TEST	Test choke manifold, blind rams, two sets of pipe rams, hydraulic 4" valve and manual 4" valve, two 2" valves to 250psi Low and 2500psi high. Tested Annular 250psi low and 1500psi high, held all for 5 minutes each. All tested good. Two TIW valves did not test.
11/30/2014 04:00	11/30/2014 05:00	1	INT-NU/TEST	NIPPLE UP/TST	NU/TEST	Function test Accumulator for Cynergy, all worked well.
11/30/2014 05:00	11/30/2014 06:00	1	INT-NU/TEST	NIPPLE UP/TST	NU/TEST	Install flow line and catch can

Report #: 13 Daily Operation: 11/30/2014 06:00 - 12/1/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 033397	
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig		
4	13	2,905.0	2,897.7	8.40	H & P, 637		

Operations Summary

Tighten orbit valve, test casing, rig service, install wear bushing, Pickup BHA, TIH, Test MWD, TIH, Wash & ream, Drlg, install rotating head, Started int @ 1930 hrs 11/30/2014. Drld int 1867' to 2905' (1038' @ 104 fph); 16% complete; 70% rot, 30% sldg. Lithology: 70%RSH, 20%SD, 10%SH

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014/ Surface TD 17:00pm 11/29/14
Intermediate @ 19:30 11/30/2014 - TD @

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

Completion Percentage: 100% Surface hole drilled, casing ran & cemented.
Completion Percentage: 20% Intermediate drilled

Water Meter @ 4197 bbls Used 0 bbls

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie Job # 19936

No accidents, incidents or spills reported last 24hrs. .

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
11/30/2014 06:00	11/30/2014 09:00	3	PLAN	EQUIP	BOPS	Received TIW's & test same 250psi low/2,500psi high. Finish testing BOP's. Test casing 500psi for 30 min. All tests held 5 min and charted. Rig down Midcentral BOP testers.
11/30/2014 09:00	11/30/2014 09:30	0.5	PLAN	EQUIP	RIGSER	Rig Service.
11/30/2014 09:30	11/30/2014 10:30	1	PLAN	EQUIP	WLHEAD	Install wear bushing and lock down pins on same. Install mousehole
11/30/2014 10:30	11/30/2014 11:30	1	PLAN	EQUIP	BHA	Lay out directional BHA & hold pjsm with H&P, Scientific & Pioneer rep on plan forward
11/30/2014 11:30	11/30/2014 14:00	2.5	PLAN	EQUIP	BHA	Pick up 8" 11" Neat bit STB, 1.75fixed, 7/8lobe 4.0stage, 0.16rpg mud motor, pick up 11 1/2" Nortrak stabilizer, 8" Orientation Sub, 2-8" Nonmag DC's, install MWD. Scribe & test surface tools, test good. Make up 12 1/4" Drillformance 616 (4x18's, 3x13's). TIH 2- 8" DC's, 6-6.5" DC's.
11/30/2014 14:00	11/30/2014 15:30	1.5	INT-TRIP IN HOLE	TRIP IN HOLE	TIH	Trip in hole from 0' to 455'
11/30/2014 15:30	11/30/2014 16:00	0.5	INT-TRIP IN HOLE	TRIP IN HOLE	TIH	Test MWD tool @ 455'

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
11/30/2014 16:00	11/30/2014 17:30	1.5	INT-TRIP IN HOLE	TRIP IN HOLE	TIH	Trip in hole from 455' to 1738'
11/30/2014 17:30	11/30/2014 19:30	2	PLAN	DRLG	DRLCMT	Wash and ream cement from 1738' to 1867'
11/30/2014 19:30	11/30/2014 21:30	2	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate from 1867' to 2054' (187' @ 94 fph). WOB 17k, 70 rpm, motor diff 150, 800 GPM, torque 3k.
11/30/2014 21:30	11/30/2014 22:00	0.5	PLAN	EQUIP	BOPS	Install rotating head
11/30/2014 22:00	11/30/2014 23:00	1	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate from 2054' to 2148' (94' @ 94 fph). WOB 17k, 70 rpm, motor diff 150, 800 GPM, torque 2k.
11/30/2014 23:00	11/30/2014 23:30	0.5	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide from 2148' to 2176' (28' @ 56 fph). 75.89 MTF, WOB 9k, motor diff 210, 800 GPM.
11/30/2014 23:30	12/1/2014 00:00	0.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate from 2176' to 2243' (67' @ 134 fph). WOB 20k, 71 rpm, motor diff 556, 800 GPM, torque 17k.
12/1/2014 00:00	12/1/2014 01:00	1	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide from 2243' to 2273' (30' @ 30 fph). 75.9 MTF, WOB 10k, motor diff 283, 800 GPM.
12/1/2014 01:00	12/1/2014 01:30	0.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate from 2273' to 2338' (65' @ 130 fph). WOB 25k, 70 rpm, motor diff 481, 800 GPM, torque 16k.
12/1/2014 01:30	12/1/2014 02:00	0.5	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide from 2338' to 2353' (15' @ 30 fph). 75.9 MTF, WOB 10k, motor diff 165, 800 GPM.
12/1/2014 02:00	12/1/2014 02:30	0.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate from 2353' to 2432' (79' @ 158 fph). WOB 18k, 70 rpm, motor diff 436, 800 GPM, torque 13k.
12/1/2014 02:30	12/1/2014 03:00	0.5	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide from 2432' to 2447' (15' @ 30 fph). 75.9 MTF, WOB 8k, motor diff 151, 800 GPM.
12/1/2014 03:00	12/1/2014 04:30	1.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate from 2447' to 2716' (269' @ 179 fph). WOB 15k, 70 rpm, motor diff 376, 800 GPM, torque 18k.
12/1/2014 04:30	12/1/2014 05:00	0.5	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide from 2716' to 2746' (30' @ 60 fph). 75.9 MTF, WOB 8k, motor diff 158, 800 GPM.
12/1/2014 05:00	12/1/2014 06:00	1	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate from 2746' to 2905' (159' @ 159 fph). WOB 10k, 70 rpm, motor diff 351, 800 GPM, torque 12k.

Report #: 14 Daily Operation: 12/1/2014 06:00 - 12/2/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 033397
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
5	14	4,988.0	4,978.6	9.00	H & P, 637	

Operations Summary

Drid int 2905' to 4988' (2083' @ 89 fph); 48% complete; 85% rot, 15% sldg.
Lithology: 50%SD, 30%SA, 20%RSH @ 4810'

Mudded up 03:00hrs. @ 4800

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014/ Surface TD 17:00pm 11/29/14
Intermediate @ 19:30 11/30/2014 - TD @

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

Completion Percentage: 100% Surface hole drilled, casing ran & cemented.
Completion Percentage: 45% Intermediate drilled

Water Meter @ 4449 bbls Used 252 bbls

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie Job # 19936

No accidents, incidents or spills reported last 24hrs.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/1/2014 06:00	12/1/2014 06:30	0.5	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide from 2905' to 2940' (35' @ 70 fph). 180 MTF, WOB 20k, motor diff 480, 844 GPM.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/1/2014 06:30	12/1/2014 07:00	0.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate from 2940' to 3000' (60' @ 120 fph). WOB 25k, 70 rpm, motor diff 417, 844 GPM, torque 12k.
12/1/2014 07:00	12/1/2014 07:30	0.5	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide from 3000' to 3023' (23' @ 46 fph). 180 MTF, WOB 20k, motor diff 468, 844 GPM.
12/1/2014 07:30	12/1/2014 10:30	3	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate from 3023' to 3379' (356' @ 119 fph). WOB 35k, 70 rpm, motor diff 410, 844 GPM, torque 11k.
12/1/2014 10:30	12/1/2014 11:00	0.5	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide from 3379' to 3414' (35' @ 70 fph). 180 MTF, WOB 20k, motor diff 412, 844 GPM.
12/1/2014 11:00	12/1/2014 12:30	1.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate from 3414' to 3568' (154' @ 103 fph). WOB 35k, 70 rpm, motor diff 472, 844 GPM, torque 12k.
12/1/2014 12:30	12/1/2014 13:00	0.5	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide from 3568' to 3602' (34' @ 68 fph). 180 MTF, WOB 20k, motor diff 415, 844 GPM.
12/1/2014 13:00	12/1/2014 14:30	1.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate from 3602' to 3757' (155' @ 103 fph). WOB 35k, 70 rpm, motor diff 468, 844 GPM, torque 12k.
12/1/2014 14:30	12/1/2014 16:00	1.5	INT-DRILL-VERT	DRILL INT VERT-SLIDE	DRL-SLIDE	Slide from 3757' to 3792' (35' @ 23.3 fph). 257 MTF, WOB 20k, motor diff 412, 844 GPM.
12/1/2014 16:00	12/1/2014 17:30	1.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate from 3792' to 4010' (218' @ 145 fph). WOB 35k, 70 rpm, motor diff 468, 844 GPM, torque 12k.
12/1/2014 17:30	12/1/2014 18:00	0.5	PLAN	EQUIP	RIGSER	Rig Service, Lubricate Rig
12/1/2014 18:00	12/2/2014 06:00	12	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate from 4010' to 4988' (978' @ 82 fph). WOB 30k, 70 rpm, motor diff 353, 800 GPM, torque 6k.

Report #: 15 Daily Operation: 12/2/2014 06:00 - 12/3/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 033397
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
6	15	6,172.0	6,162.5	9.00	H & P, 637	

Operations Summary

Drilled int 4988' to 6172' (1184' @ 62 fph); 60% complete. Shut down operation for H2S comming from well bore. Waiting on Safety Solutions

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014/ Surface TD 17:00pm 11/29/14
Intermediate @ 19:30 11/30/2014 - TD @

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

Completion Percentage: 100% Surface hole drilled, casing ran & cemented.
Completion Percentage: 65% Intermediate drilled

Water Meter @ 4449 bbls Used 252 bbls

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie Job # 19936

No accidents, incidents or spills reported last 24hrs.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/2/2014 06:00	12/2/2014 07:00	1	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate from 4988' to 5073' (85' @ 85 fph). WOB 30k, 70 rpm, motor diff 400, 800 GPM, torque 6k.
12/2/2014 07:00	12/2/2014 08:30	1.5	UNPLAN	OTHR	U_OTR	Circulate while cleaning out plugged up 12" PVC & packed off shaker slides.
12/2/2014 08:30	12/2/2014 10:00	1.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate from 5073' to 5210' (137' @ 91 fph). WOB 30k, 70 rpm, motor diff 400, 800 GPM, torque 6k.
12/2/2014 10:00	12/2/2014 17:30	7.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate from 5210' to 5651' (441' @ 59 fph). WOB 35k, 40 rpm, motor diff 450, 614 GPM, torque 13k.
12/2/2014 17:30	12/2/2014 18:00	0.5	PLAN	EQUIP	RIGSER	Rig Service, Lubricate Rig.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/2/2014 18:00	12/3/2014 03:00	9	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate from 5651' to 6172' (521' @ 58 fph). WOB 30k, 40 rpm, motor diff 458, 614 GPM, torque 12k.
12/3/2014 03:00	12/3/2014 06:00	3	UNPLAN	WLCOND	U_WC	Wait on Safety Solutions for H2S evaluation.

Report #: 16 Daily Operation: 12/3/2014 06:00 - 12/4/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 033397
Days From Spud (days) 7	Days on Location (days) 16	End Depth (ftKB) 6,172.0	End Depth (TVD) (ftKB) 6,162.5	Dens Last Mud (lb/gal) 9.20	Rig H & P, 637	

Operations Summary

Circulate and condition mud, shut well in for H2S, raise mud weight from 8.9 to 9.3, Displace hole with 9.3 mud, Weight up more mud from 8.9 to 9.3, Displace hole with 9.3 mud, build mor 9.3 mud, displace hole with 9.3 mud, hole is full of 9.3 mud and still have 50ppm max coming out. Build mud up to 9.5ppg.

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014// Surface TD 17:00pm 11/29/14
Intermediate @ 19:30 11/30/2014 - TD @

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

Completion Percentage: 100% Surface hole drilled, casing ran & cemented.

Completion Percentage: 65% Intermediate drilled

Water Meter @ 5212 bbls Used 763 bbls

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie Job # 19936

1 - incident in last 24hrs
No accidents or spills reported last 24hrs.

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/3/2014 06:00	12/3/2014 12:00	6	UNPLAN	WLCOND	U_WC	Check all H2S sensors with Safety Solutions on rig: rig floor and cellar sensors found good. Registered 200ppm on Shaker sensor. Secure location. Kill mud pumps, shut well in, line up on choke. Prep kill mud in active to 9.3ppg and continue monitoring H2S on location. Well 0 psi on casing while shut in.
12/3/2014 12:00	12/3/2014 13:30	1.5	UNPLAN	WLCOND	U_WC	Hold pjsm with Pioneer rep, H&P crew, Safety Solutions H2S reps and 3rd party and bring pump online and circulate 500bbls of 9.3ppg through the choke. Monitor well while circulating, 10ppm H2S max showing while circulating.
12/3/2014 13:30	12/3/2014 15:30	2	UNPLAN	WLCOND	U_WC	Shut down and transfer 500bbls from storage and condition same. Prep to pump second round of 9.3 mud.
12/3/2014 15:30	12/3/2014 19:00	3.5	UNPLAN	WLCOND	U_WC	Hold pjsm with Pioneer rep, H&P crew, Safety Solutions H2S reps and 3rd party and bring pump online and circulate 500bbls of 9.3ppg through the choke. Monitor well while circulating, 10ppm H2S max showing while circulating.
12/3/2014 19:00	12/4/2014 00:30	5.5	UNPLAN	WLCOND	U_WC	Start Transferring mud to pits from frac tanks, mud up from 8.9 to 9.3.
12/4/2014 00:30	12/4/2014 01:00	0.5	UNPLAN	WLCOND	U_WC	Hold pjsm with Pioneer rep, H&P crew, Safety Solutions H2S reps and 3rd party and bring pump online and circulate 100bbls of 9.3ppg through the choke. Monitor well while circulating, 50ppm H2S max showing while circulating. 0 - psi on back side while shut in. Was advised by supervisor to raise weight from 9.3 to 9.5 through out system.
12/4/2014 01:00	12/4/2014 06:00	5	UNPLAN	WLCOND	U_WC	Fill pits up from Frac tanks with gel mud, cut back with fresh water and Raise weight in active system from 9.3 to 9.5.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Report #: 17 Daily Operation: 12/4/2014 06:00 - 12/5/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR		AFE Number 033397
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
8	17	6,639.0	6,629.4	9.40	H & P, 637

Operations Summary

Circulate and condition mud, shut well in for H2S, raise mud weight from 9.3 to 9.5, Displace hole with 480 bbls 9.5 mud, Weight up more mud from 8.9 to 9.5, Displace hole 480 bbls with 9.5 mud, build volume in pits mud up to 9.5 mud, No sign of H2S Gas coming out of well, Open BOP & move pipe make sure pipe is free, Circ. bottoms up & Drlg. Rotate from 6172' to 6639' (467' @ 44.5 fph). WOB 27k, 40 rpm, motor diff 520, 584 GPM, torque 14k.

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014// Surface TD 17:00pm 11/29/14
Intermediate @ 19:30 11/30/2014 - TD @

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

Completion Percentage: 100% Surface hole drilled, casing ran & cemented.
Completion Percentage: 74% Intermediate drilled

Water Meter @ 5345 bbls Used 133 bbls

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie Job # 199

No accidents or spills reported last 24hrs.

Survey @ 6444' MD_1.43 INC_136.49 AZM_6434' TVD_DLS: 0.19_36' From Center

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/4/2014 06:00	12/4/2014 11:00	5	UNPLANNED	Well Control events & any circulating related to g	U_WC	Condition mud, wieght up to 9.5 ppg. (Well Closed In) & Displace through choke / panic line 480 bbls w/ 9.5 mud- Due to H2S - 50 ppm (Safety Solutions Rep. on 24-7 on location)
12/4/2014 11:00	12/4/2014 15:00	4	UNPLANNED	Well Control events & any circulating related to g	U_WC	Transfer mud & weigth up to 9.5 ppg. / Displace 480 ppg. 9.5 mud through choke / panic line (Well Closed In) - Due H2S Gas - 25 ppm (Safety Solutions Rep. on 24-7 on location)
12/4/2014 15:00	12/4/2014 19:00	4	UNPLAN	WLCOND	U_WC	Transfer mud & weigth up to 9.5 ppg./ build up volume in steel pits (Well Closed In) 0 ppm H2S detection
12/4/2014 19:00	12/4/2014 19:30	0.5	UNPLANNED	Well Control events & any circulating related to g	U_WC	Circulate Bottoms up; Checking H2S levels @ 0 ppm
12/4/2014 19:30	12/5/2014 06:00	10.5	INT-DRILL-CURVE	DRILL INT CURVE-ROTATE	DRL-ROT	Rotate from 6172' to 6639' (467' @ 44.5 fph). WOB 27k, 40 rpm, motor diff 520, 584 GPM, torque 14k. (0 ppm H2S)

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Report #: 18 Daily Operation: 12/5/2014 06:00 - 12/6/2014 06:00

Job Category ORIG DRILLING				Primary Job Type ODR			AFE Number 033397	
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig			
9	18	6,797.0	6,787.3	9.50	H & P, 637			

Operations Summary

Drilling Intermediate section F/ 6629' to 6797' (158' @ 22.6 fph); 76% complete; Flowcheck- 25bbls per hr. flow, TOO H f/6,797' to 6,026'; Spot 30 bbls wt. 2 lbs. over @ 6026' , Trip out out f/ 6026' to 4500',(Tight Hole f/ 6693' to 5899') ; Spot 35 bbls. 2.5 lbs over @ 4500', TOO H f/4500' t/ 3,197'; Back ream f/ 3,197' t/ 2,508'; TOO H f/ 2508' to 1,740'; Spot 40 bbl 12 ppg pill @ 1,740'; TOO H f/ 1740' t/1,044'; Pull Rotating Head Element; TOO H f/ 1,740' to Directional tools; Pull MWD; Break Bit; L/D Mud motor

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014// Surface TD 17:00pm 11/29/14
Intermediate @ 19:30 11/30/2014 - TD @

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

Completion Percentage: 100% Surface hole drilled, casing ran & cemented.
Completion Percentage: 76% Intermediate drilled

Water Meter @ 5345 bbls Used 0 bbls

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie Job # 199

No accidents or spills reported last 24hrs.

Survey @ 6633' MD_1.52 INC_153.10 AZM_6623' TVD_DLS: 0.2_41' From Center

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/5/2014 06:00	12/5/2014 13:00	7	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate from 6639' to 6797' (158' @ 22.6 fph). WOB 25k, 40 rpm, motor diff 500, 583 GPM, torque 14k.
12/5/2014 13:00	12/5/2014 14:30	1.5	INT-CIRC	CIRCULATE	CIRC	Circulate Btms up @ 6,797'; While reciprocating pipe
12/5/2014 14:30	12/5/2014 18:30	4	INT-TRIP	TOOH	TRIP	Trip out of hole f/ 6,797' t/ 6,026"; Pulling slowly to keep from swapping; Spot 30 bbls wt. 2 lbs. over @ 6026' , Trip out out f/ 6026' to 4500',(Tight Hole f/ 6693' to 5899') spot 35 bbls. 2.5 lbs over @ 4500';
12/5/2014 18:30	12/5/2014 19:00	0.5	PLAN	EQUIP	RIGSER	Lubricate Rig
12/5/2014 19:00	12/6/2014 03:00	8	INT-TRIP	TOOH	TRIP	Trip out of hole f/ 4,500' to 3,649'; Tight spot @ 3,649', work through same; TOO H f/ 3,649' t/ 3,197'; Tight spot; Back ream out of hole f/ 3,197' to 2,508'; Continue TOO H f/ 2,508' to 1,740'
12/6/2014 03:00	12/6/2014 03:30	0.5	INT-CIRC	CIRCULATE	CIRC	Spot 40 bbls 12 ppg pill @ 1,740'
12/6/2014 03:30	12/6/2014 05:30	2	INT-TRIP	TOOH	TRIP	TOOH f/ 1,740' t/1,044'; Pull Rotating Head Element; TOO H f/ 1,044' to Directional tools
12/6/2014 05:30	12/6/2014 06:00	0.5	PLAN	EQUIP	BHA	Pull MWD; Break Bit; L/D mud Motor

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Report #: 19 Daily Operation: 12/6/2014 06:00 - 12/7/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 033397	
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig		
10	19	6,804.0	6,794.3	9.40	H & P, 637		

Operations Summary

Finish Laying down BHA # 2; P/U BHA # 3, M/U Mud Motor, MWD, Scribe, Test, Make up Bit, TIH to 2,828'; Tight spot @ 2,828'; W&R f/ 2828' to 3317'; Tight spot @ 2,947'; TIH to 6,159'; Tight spot @ 6,159'; W&R f/ 6,159' t/ 6,797'; Rotate from 6797' to 6804' (7' @ 14 fph). WOB 25k, 40 rpm, motor diff 400, 584 GPM, torque 12k.; Shut Well in & Monitor due to H2S; Fill Mud tanks w/ 500 bbls of mud; Condition mud to 9.4 ppg; Displace mud in mud tanks & build new 9.5 ppg mud; Displace Annulus w/ 9.5 ppg mud

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014// Surface TD 17:00pm 11/29/14
Intermediate @ 19:30 11/30/2014 - TD @

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

Completion Percentage: 100% Surface hole drilled, casing ran & cemented.
Completion Percentage: 76% Intermediate drilled

Water Meter @ 5345 bbls Used 0 bbls

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie Job # 199

No accidents or spills reported last 24hrs.

Survey @ 6633' MD_1.52 INC_153.10 AZM_6623' TVD_DLS: 0.2_41' From Center

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/6/2014 06:00	12/6/2014 08:00	2	PLAN	EQUIP	BHA	Finish Laying Down BHA # 2
12/6/2014 08:00	12/6/2014 10:00	2	PLAN	EQUIP	BHA	Pick up Mud motor, MWD, Make up & Scribe
12/6/2014 10:00	12/6/2014 13:00	3	INT-TRIP IN HOLE	TRIP IN HOLE	TIH	Make up Bit # 3; Trip in hole to 1,867'; Install Rotating Head; Continue in hole f/ 1,867' to 1,986'
12/6/2014 13:00	12/6/2014 13:30	0.5	PLAN	EQUIP	BHA	Test MWD
12/6/2014 13:30	12/6/2014 14:00	0.5	INT-TRIP IN HOLE	TRIP IN HOLE	TIH	Trip in hole f/ 1,986' to 2,828'; Tight Spot @ 2,828'
12/6/2014 14:00	12/6/2014 16:00	2	INT-CIRC	CIRCULATE	CIRC	Wash & Ream f/ 2,828' to 3,317'; Tight spot @ 2,828' & 2,947'
12/6/2014 16:00	12/6/2014 18:00	2	INT-TRIP IN HOLE	TRIP IN HOLE	TIH	Trip in hole f/ 3,317' to 6,159'; Tight spot @ 6,159'
12/6/2014 18:00	12/6/2014 20:30	2.5	INT-CIRC	CIRCULATE	CIRC	Wash & Ream F/ 6,159 to 6,797' WOB: 4 k; Rot: 40; Torque: 8
12/6/2014 20:30	12/6/2014 21:00	0.5	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate from 6797' to 6804' (7' @ 14 fph). WOB 25k, 40 rpm, motor diff 400, 584 GPM, torque 12k.
12/6/2014 21:00	12/6/2014 22:00	1	UNPLAN	WLCOND	U_WC	While drilling @ 6,804' Shut Well In & monitor due to 27ppm H2S at the shakers. Evacuate H&P hands & 3rd party personnel to muster area and verify area safe after well shut in prior to resuming pumping operations.
12/6/2014 22:00	12/7/2014 03:00	5	UNPLAN	WLCOND	U_WC	Build volume in mud pits to 575 bbl of 9.4 ppg mud. Displace 150 bbl through the choke down the panic line and register 0 ppm on panic line returns for enitre circulation and good mud coming back. Attempt to swap over on flowline and rule out trapped H2S in flowline and no success, H2S registering 210 ppm after circulating 100 bbls on flowline on the floor and shakers and subs. Kill pumps, shut well in and muster H&P and 3rd party personnel and monitor H2S getting down to acceptable level prior to resuming pumping operations. Displace 450 bbls down the panic line and build another 450 bbls to displace 100% annulus with 9.5 ppg mud.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/7/2014 03:00	12/7/2014 06:00	3	UNPLAN	WLCOND	U_WC	Displace 100% Annulus W/ fresh 9.5 ppg mud @ 268 gpm

Report #: 20 Daily Operation: 12/7/2014 06:00 - 12/8/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 033397
Days From Spud (days) 11	Days on Location (days) 20	End Depth (ftKB) 7,987.0	End Depth (TVD) (ftKB) 7,977.2	Dens Last Mud (lb/gal) 9.50	Rig H & P, 637	

Operations Summary

Well shut in, due to 210 ppm H2s gas @ shaker/ flowline, build mud to 9.5 ppg. & displace total of 1100 bbls of mud through Annulus w/ 9.5 ppg mud; H2s gas to 10-0 ppm @ choke, Drld int 6804' to 7987' (1183' @ 70 fph); 95% complete / Keep a close watch on H2S Gas. 24/7 Safety Solution Rep. monitoring.

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014// Surface TD @ 1867' 17:00pm 11/29/14
Intermediate @ 19:30 11/30/2014 - TD @

RIG NPT: 6.5 hours for previous 24 hrs., 0 hours for the month of December 2014

Completion Percentage: 100% Surface hole drilled, casing ran & cemented.

Completion Percentage: 95 % Intermediate drilled

Water Meter @ 5411 bbls Used 66 bbls

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie Job # 199

No accidents or spills reported last 24hrs.

Survey @ 7768' MD_0.48 INC_124.70 AZM_7758' TVD_DLS: 0.10_56' From Center

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/7/2014 06:00	12/7/2014 08:00	2	UNPLAN	WLCOND	U_WC	Well shut in, build mud to 9.5 ppg. f/ displacement (89 ppm @ choke when displacing) Safety Solution Rep. Monitoring well 24/7
12/7/2014 08:00	12/7/2014 09:00	1	UNPLAN	WLCOND	U_WC	Displacing 480 bbls of 9.5 ppg. in hole w/ 86 ppm @ choke when displacing. Safety Solution Rep. Monitoring well 24/7
12/7/2014 09:00	12/7/2014 11:30	2.5	UNPLAN	WLCOND	U_WC	Well shut in, build 480 bbls of mud to 9.5 ppg. f/ displacement (86 ppm @ choke when displacing) Safety Solution Rep. Monitoring well 24/7
12/7/2014 11:30	12/7/2014 12:30	1	UNPLAN	WLCOND	U_WC	Displacing 150 bbls of 9.5 ppg. in hole w/ 13 - 5 ppm @ choke when displacing. Safety Solution Rep. Monitoring well 24/7. Work pipe/ wash & ream to bottom f/ 6740' to 6804'
12/7/2014 12:30	12/7/2014 16:30	4	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate from 6804' to 7073' (269' @ 67.25 fph). WOB 40 k, 70 rpm, motor diff 257, 845 GPM, torque 18k., ssp 3345
12/7/2014 16:30	12/7/2014 17:00	0.5	PLAN	EQUIP	RIGSER	Lubricate Rig
12/7/2014 17:00	12/8/2014 06:00	13	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate from 7073' to 7987' (914' @ 70 fph). WOB 35k, 70 rpm, motor diff 420, 790 GPM, torque 1700k.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Report #: 21 Daily Operation: 12/8/2014 06:00 - 12/9/2014 06:00

Job Category ORIG DRILLING				Primary Job Type ODR			AFE Number 033397	
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig			
12	21	8,337.0	8,327.1	9.70	H & P, 637			

Operations Summary

Drid Inter. 7987' to 8337' (350' @ 88 fph); 100% complete @ 10:00 hrs 12/08/2014. ; Pump 40 bbl sweep & Weight up system to 9.7 ppg; TOOH f,8337' to 7,913'; Pump slug; TOOH f/7,913' to 4,780'; Spot 12 ppg 40 bbl pill @ 4,780'; TOOH f/ 4,780' to 2,907'; Backream f/ 2,907' to 2,535'; TOOH @ 75 fpm f/ 2,535' to 1,732'; Spot 12 ppg 40 bbl pill @ 1,732', TOOH f/ 1,732' to 175'; L/D 8" BHA & Directional tool

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014// Surface TD 17:00pm 11/29/14
Intermediate TD 8,337' @ 10:00 12/08/2014

RIG NPT: 6.5 hours for previous 24 hrs., 0 hours for the month of December 2014

Completion Percentage: 100% Surface hole drilled, casing ran & cemented.

Completion Percentage: 100 % Intermediate drilled

Water Meter @ 5411 bbls Used 0 bbls

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.

Operator Katie Job # 199

Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing.

Operator # 9 Carla

No accidents or spills reported last 24hrs.

Survey @ 8276' MD_1.36 INC_86.62 AZM_8266' TVD_DLS: 0.2_61' From Center

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/8/2014 06:00	12/8/2014 10:00	4	INT-DRILL-VERT	DRILL INT VERT-ROTATE	DRL-ROT	Rotate from 7987' to 8337' (350' @ 88 fph). WOB 34k, 70 rpm, motor diff 498, 840 GPM, torque 15k.
12/8/2014 10:00	12/8/2014 16:30	6.5	INT-CIRC	CIRCULATE	CIRC	Pump 40 bbl Hi Vis sweep; Circulate & condition mud raising Mud wt f/ 9.5 ppg to 9.7 ppg
12/8/2014 16:30	12/8/2014 22:00	5.5	INT-TRIP	TOOH	TRIP	TOOH @ 75 fpm, f/ 8,337 to 7,913'; Pump slug @ 7,913'; TOOH @ 75 fpm f/ 7,913' to 4,580'; SLM
12/8/2014 22:00	12/8/2014 22:30	0.5	INT-CIRC	CIRCULATE	CIRC	Spot 12 ppg 40 bbl pill @ 4,780'
12/8/2014 22:30	12/9/2014 01:00	2.5	INT-TRIP	TOOH	TRIP	TOOH @ 75 fpm f/ 4,780' to 2,907' ; SLM
12/9/2014 01:00	12/9/2014 02:00	1	INT-TRIP	TOOH	TRIP	TOOH ; Backreaming f/ 2,907' to 2,535'; Rot: 50, Gpm: 438, torque: 3 k (tight hole)
12/9/2014 02:00	12/9/2014 05:30	3.5	INT-TRIP	TOOH	TRIP	TOOH @ 75 fpm f/ 2,535' to 1,732'; Spot 12 ppg 40 bbl pill @ 1,732'; TOOH f/ 1,732' to 175', Remove Rotaing head element; SLM
12/9/2014 05:30	12/9/2014 06:00	0.5	PLAN	EQUIP	BHA	Lay down 8" BHA & Directional tools

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Report #: 22 Daily Operation: 12/9/2014 06:00 - 12/10/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 033397
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
13	22	8,337.0	8,327.1	9.80	H & P, 637	

Operations Summary
L/D 8" BHA & Directional tools; Pull Wear Bushing; Rig up Casing running equip; Hold JSA Saftey Meeting; Run 9 5/8" 43.5 ppg. L-80 IC BTC Intermediate csg to 7755'
T,D Interm Section @ 8337'
Interm. Csg. Shoe @ 8315'
Interm. Float Collar @ 8221'
Interm. DV Tool @ 6820'

Remarks
Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014// Surface TD 17:00pm 11/29/14
Intermediate TD 8,337' @ 10:00 12/08/2014

RIG NPT: 6.5 hours for previous 24 hrs., 0 hours for the month of December 2014

Completion Percentage: 100% Surface hole drilled, casing ran & cemented.
Completion Percentage: 100 % Intermediate drilled

Water Meter @ 5411 bbls Used 0 bbls

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie Job # 199
Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing.
Operator # 9 Carla

No accidents or spills reported last 24hrs.

Survey @ 8276' MD_1.36 INC_86.62 AZM_8266' TVD_DLS: 0.2_61' From Center
T,D Interm Section @ 8337'
Interm. Csg. Shoe @ 8315'
Interm. Float Collar @ 8221'
Interm. DV Tool @ 6820'

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/9/2014 06:00	12/9/2014 12:30	6.5	PLAN	EQUIP	BHA	TOOH F/ 860' to Surface- L/D Monel, MWD Tools, Pull wear bushing, clean floor for csg. run.
12/9/2014 12:30	12/9/2014 15:00	2.5	PLAN	DRLG	CSG	Rig up bells extensions, hold safety meeting, rig up Pipe Pros. Csg. crew tools
12/9/2014 15:00	12/9/2014 18:00	3	PLAN	DRLG	CSG	Running casing JSA , Make up 9 5/8" float shoe 2 shoe jts 9 5/8" L-80, 43.5 pp.f BTC, Float collar 8 jts of 9 5/8" L-80 43.5 ppg BTC; Filling pipe @142' & ck float equip
12/9/2014 18:00	12/9/2014 18:30	0.5	PLAN	PERS	SFTY	Saftey meeting Review JSA with casing crew, CRT operator ,H&P Rig hands, Saftey Solution & PNR
12/9/2014 18:30	12/10/2014 06:00	11.5	PLAN	DRLG	CSG	Run Intermediate 9 5/8" L-80 43.5 BTC casing f/470' to 7,755' (filling pipe every 25 jts)

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Report #: 23 Daily Operation: 12/10/2014 06:00 - 12/11/2014 06:00

Job Category ORIG DRILLING			Primary Job Type ODR		AFE Number 033397	
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
14	23	8,337.0	8,327.1	9.70	H & P, 637	

Operations Summary

Run 43.5 ppf L-80 IC BTC 9 5/8" csg (179 total jts.) f/ 7,755' to 8,282'; Land casing @ 8,315'; R/U Schlumberger & Circ w/ Rig Pump; R/D Csg Tools; HJSM & Cement 1 st Stage Intermediate; Open DV tool & Circ w/ Rig Pump; HJSM & Cement 2 nd Stage of Intermediate, R/D Schlumberger; Flush Lines, Back out landing jt., Set pack-off, Remove Casing Bails & Elevators; HJSM , N/D BOPE

Test cementing lines 1,000 psi low & 4600 psi high; Pump 50 bbls Vis water; 70 bbls of 10.5 ppg mud push; 132 bbls of Lead cement @ 11ppg, 40 bbls of tail cement @ 12.5 ppg, drop plug @ displace with 592 bbls of FW; Bump plug from 1000 psi to 1540 psi; float held, bled back 3 1/2 bbls of displacement water (Full Returns through out 1 st stage / 0-5 ppm H2s)

Drop DV tool opening cone for 35 min., pressure up to 749 psi to open DV Tool; switch to rig pump & circulate @ 250 gpm

HJSM with Schlumberger, Weatherford DV tool Tech, H&P rig crew & PNR on Cementing 2 nd stage of Intermediate casing; Switch lines back to Schlumberger Pump truck; Pump 50 bbls of Vis water; 70 bbls of 10.5 ppg mud push; 540 bbls of Lead cement TXI @ 11 ppg, 58 bbls of tail cement @ 12.5 ppg, Drop plug & Displace with 510 bbls of FW, Bump plug from 960 psi to 2367 psi, Float held, Bleed pressure off; R/D Schlumberger

Full Returns through out 2 nd stage/ 0-5 ppm H2s gas (Safety Solutions Reps on location) Cmt. out the panic line

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)

Rig started arriving from Houston yard 11/18/14 @ 12:00pm

Accepted rig on day work: 13:00hrs 11/26/2014

Spud In @ 23:30hrs 11/26/2014/ Surface TD 17:00pm 11/29/14

Intermediate TD 8,337' @ 10:00 12/08/2014

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

Completion Percentage: 100% Surface hole drilled, casing ran & cemented.

Completion Percentage: 100 % Intermediate drilled, casing ran & cemented

Water Meter @ 5844 bbls Used 433 bbls

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.

Operator Katie Job # 199

Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing.

Operator # 9 Carla

No accidents, Incidents or spills reported last 24hrs.

Survey @ 8276' MD_1.36 INC_86.62 AZM_8266' TVD_DLS: 0.2_61' From Center

T,D Interm Section @ 8337'

Interm. Csg. Shoe @ 8315

Interm. Float Collar @ 8221'

Interm. DV Tool @ 6820'

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/10/2014 06:00	12/10/2014 09:00	3	PLAN	DRLG	CSG	Run 9 5/8" L-80 43.5 ppf BTC f/ 7,755' to 8,282'; P/U Landing jt & make up same; Land casing @ 8,315'; Verify csg is landed
12/10/2014 09:00	12/10/2014 09:30	0.5	PLAN	PERS	SFTY	HJSM with Pipe pro, Express & H&P rig crew on rigging down casing crew equip; CRT tool & Loading out same
12/10/2014 09:30	12/10/2014 11:00	1.5	INT-CMT	CEMENT INTERMEDIATE CSG	CMT	HJSM with Schlumberger; H&P rig crew; Weatherford DV tool Tech & PNR on Cementing 1 st stage of Intermediate csg; Rig up cementing head & fill pipe & circulate with rig pump; Rigging down Casing crew equip while filling pipe @ 152 gpm & circulating 368 gpm
12/10/2014 11:00	12/10/2014 13:30	2.5	INT-CMT	CEMENT INTERMEDIATE CSG	CMT	Test cementing lines 1,000 psi low & 4600 psi high; Pump 50 bbls Vis water; 70 bbls of 10.5 ppg mud push; 132 bbls of Lead cement @ 11ppg, 40 bbls of tail cement @ 12.5 ppg, drop plug @ displace with 592 bbls of FW; Bump plug from 1000 psi to 1540 psi; float held, bled back 3 1/2 bbls of displacement water. Top Of Lead: 6846', Top of Tail: 8029'.
12/10/2014 13:30	12/10/2014 17:30	4	INT-CIRC	CIRCULATE	CIRC	Drop DV tool opening cone for 35 min., pressure up to 749 psi to open DV Tool; switch to rig pump & circulate @ 250 gpm

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/10/2014 17:30	12/10/2014 23:30	6	INT-CMT	CEMENT INTERMEDIATE CSG	CMT	HJSM with Schlumberger, Weatherford DV tool Tech, H&P rig crew & PNR on Cementing 2 nd stage of Intermediate casing; Switch lines back to Schlumberger Pump truck; Pump 50 bbls of Vis water; 70 bbls of 10.5 ppg mud push; 540 bbls of Lead cement TXI @ 11 ppg, 58 bbls of tail cement @ 12.5 ppg, Drop plug & Displace with 510 bbls of FW, Bump plug from 960 psi to 2367 psi, Float held, Bleed pressure off; R/D Schlumberger. Top Of Lead: 3780', Top Of Tail: 6546'.
12/10/2014 23:30	12/11/2014 03:00	3.5	INT-TST CSG/DO/FIT	TEST CSG/DRILL OUT/FIT	TEST CSG/DRILL OUT/FIT	Back out Landing jt; Make up & set casing packoff ; Remove casing Elevators & bails
12/11/2014 03:00	12/11/2014 06:00	3	PLAN	EQUIP	BOPS	HJSM, Remove turn buckles, Flow line, Hydraulic lines; Nipple down BOPE

Report #: 24 Daily Operation: 12/11/2014 06:00 - 12/12/2014 13:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 033397
Days From Spud (days)	Days On Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
16	23	8,337.0	8,327.1	9.70	H & P, 637	

Operations Summary

N/D Remove Rotating Head, Orbit valve, Remove DSA from Spacer spool; Install Abandonment cap ; Release rig From University 7-43 21H, @ 13:00 hrs 12/11/2014

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014// Surface TD 17:00pm 11/29/14
Intermediate TD 8,337' @ 10:00 12/08/2014
Released Rig @ 13:00 hrs 12/11/2014

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

Completion Percentage: 100% Surface hole drilled, casing ran & cemented.
Completion Percentage: 100 % Intermediate drilled, casing ran & cemented

Water Meter @ 5844 bbls Used 0 bbls

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie Job # 199
Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing.
Operator # 9 Carla

No accidents, Incidents or spills reported last 24hrs.

Survey @ 8276' MD_1.36 INC_86.62 AZM_8266' TVD_DLS: 0.2_61' From Center
T,D Interm Section @ 8337'
Interm. Csg. Shoe @ 8315
Interm. Float Collar @ 8221'
Interm. DV Tool @ 6820'

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
12/11/2014 06:00	12/11/2014 13:00	7	PLAN	EQUIP	BOPS	N/D Rotating Head , Orbit valve, Spacer spool ; Remove BOPE, Remove DSA from Spacer spool; Install abandonment cap & RELEASE RIG @ 13:00 hrs 12/11/2014

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Report #: 25 Daily Operation: 1/16/2015 11:00 - 1/17/2015 06:00

Job Category ORIG DRILLING				Primary Job Type ODR			AFE Number 033397
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig		
51	24	8,337.0	8,327.1	8.90	H & P, 637		

Operations Summary

Skid from University 7-43 #22H to 21H, center rig over well. Nipple up & test BOP's, start picking up Dumb Iron BHA

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014/ Surface TD 17:00pm 11/29/14
Intermediate TD 8,337' @ 10:00 12/08/2014
Released Rig @ 13:00 hrs 12/11/2014

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

Completion Percentage: 100% Surface hole drilled, casing ran & cemented.
Completion Percentage: 100 % Intermediate drilled, casing ran & cemented

Water Meter @ 1870 bbls 24hr Usage: 1374 bbls. Total Used: 7941 bbls.

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie # 199
Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing.
Operator # 9 Carla

No accidents, Incidents or spills reported last 24hrs.

Survey @ 8276' MD_1.36 INC_86.62 AZM_8266' TVD_DLS: 0.2_61' From Center
T,D Interm Section @ 8337'
Interm. Csg. Shoe @ 8315
Interm. Float Collar @ 8221'
Interm. DV Tool @ 6820'

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/16/2015 11:00	1/16/2015 12:00	1	MOBILIZATION	MIRU	MIRU	Skid rig from University 7-43 #22H to University 7-43 #21H. Center rig over well.
1/16/2015 12:00	1/16/2015 19:30	7.5	PLAN	EQUIP	BOPS	Check pressure on TA Cap (all good), remove TA Cap. Install DSA & spacer spool, torque bolts on same. Install BOPs and start torquing bolts on same.
1/16/2015 19:30	1/16/2015 20:00	0.5	PLAN	PERS	SFTY	Safety meeting on testing BOP with 3rd party testers.
1/16/2015 20:00	1/17/2015 03:00	7	PLAN	EQUIP	BOPS	Test choke manifold and BOP to 250psi low and 2500psi high, all tested good, Test Annular to 1500psi high, tested good. Tested dart valve and TIW valve, tested good. Tested stand pipe and mud pump valves 250psi low and 2500psi high, tested good.
1/17/2015 03:00	1/17/2015 04:00	1	PLAN	EQUIP	WLHEAD	Installed wear bushing, locked in place.
1/17/2015 04:00	1/17/2015 04:30	0.5	PLAN	EQUIP	RIGSER	Rig Service
1/17/2015 04:30	1/17/2015 05:00	0.5	PLAN	EQUIP	BOPS	Installed lines on Orbit valve, checked flow line for leaks.
1/17/2015 05:00	1/17/2015 06:00	1	PLAN	EQUIP	BHA	Lay out, strap & caliper Dumb Iron BHA. Pick up 8.5" String Mill, bit sub.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Report #: 26 Daily Operation: 1/17/2015 06:00 - 1/18/2015 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 033397
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
52	25	8,347.0	8,337.1	8.90	H & P, 637	

Operations Summary

P/U Dumb Iron BHA, TIH to 5020', Repair draw works, TIH to 6341', Cut Drlg. line, TIH to 6813', Test DV tool to 2000psi, test good, drill out DV tool, TIH to 8204', Tagged float collar, Test casing to 2000psi, test good, Drill out float collar, drill out cement and float shoe, drill 10' formation, Perform FIT @ 8347', Test 9.5ppg EMW 8.4ppg @ 8347' = 477psi, test good, CBU. Displace hole with OBM. Trip out of hole From 8347' to 90', lay down BHA and Mill tooth bit, prepare to pick up Curve BHA.

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014// Surface TD 17:00pm 11/29/14
Intermediate TD 8,337' @ 10:00 12/08/2014
Released Rig @

RIG NPT: .5 hours for previous 24 hrs., .5 hours for the month of January 2015

Completion Percentage: 100% Surface hole drilled, casing ran & cemented.
Completion Percentage: 100 % Intermediate drilled, casing ran & cemented

Water Meter @ 2694 bbls 24hr Useage: 1320 bbls. Total Used: 9261 bbls.

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie # 199
Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing.
Operator # 9 Carla

No accidents, Incidents or spills reported last 24hrs.

Survey @ 8276' MD_1.36 INC_86.62 AZM_8266' TVD_DLS: 0.2_61' From Center
T,D Interm Section @ 8337'
Interm. Csg. Shoe @ 8315
Interm. Float Collar @ 8221'
Interm. DV Tool @ 6820'

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/17/2015 06:00	1/17/2015 07:00	1	PLAN	EQUIP	BHA	Make up 8.5" Security QHK1S mill tooth bit, bit sub (install float), X-over, 8.5" String Mill
1/17/2015 07:00	1/17/2015 10:00	3	PLAN	EQUIP	TRIP	TIH from 35' to 5,020', fill up pipe every 30 stands.
1/17/2015 10:00	1/17/2015 10:30	0.5	PLAN	EQUIP	RIGSER	Rig service.
1/17/2015 10:30	1/17/2015 11:00	0.5	UNPLAN	EQUIP	U_RIG	Troubleshoot A encoder on drawworks.
1/17/2015 11:00	1/17/2015 13:00	2	PLAN	DRLG	CUTDL	Slip & cut 90' drill line. Reset all alarms and set points.
1/17/2015 13:00	1/17/2015 14:30	1.5	PLAN	EQUIP	TRIP	TIH from 5,020' to 6,820'.
1/17/2015 14:30	1/17/2015 16:30	2	PLAN	EQUIP	TRIP	Tag DV stage tool @ 6,820', set 50k lbs twice with pumps off to ensure stage collar is closed. All good. Test 9 5/8" casing above DV stage tool 2000si/10 minutes. Test good. Drill DV stage tool from 6,820' to 6.823' & ream through same.
1/17/2015 16:30	1/17/2015 17:30	1	PLAN	EQUIP	TRIP	TIH from 6,823' to 8,221'.
1/17/2015 17:30	1/17/2015 19:30	2	PLAN	DRLG	DRLCMT	Tag Float Collar @ 8,221'. Test 9 5/8" casing above FC 2000psi/30minutes. Test good. Drill from 8,221' to 8,347' Float Collar, shoe track, Float Shoe & 10' new formation. Float Collar @ 8,221', Float Shoe @ 8,316'.
1/17/2015 19:30	1/17/2015 20:00	0.5	PLAN	EQUIP	TRIP	Pull trip nipple, install rotating head.
1/17/2015 20:00	1/17/2015 21:00	1	PLAN	GEO	LKOFF	Circulate and condition mud. Perform 9.5ppg EMW with 8.4ppg = 477psi. Test good. 2.5bbls in & out.
1/17/2015 21:00	1/17/2015 23:30	2.5	PLAN	WLCOND	CIRC	Hold pjsm, displace hole with 567bbls 8.7ppg OBM. No problems while displacing.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/17/2015 23:30	1/18/2015 00:00	0.5	PROD-CIRC	CIRCULATE	CIRC	Get trip tanks full & mix slug. Check flow, well static.
1/18/2015 00:00	1/18/2015 03:30	3.5	PROD-TRIP BHA	TRIP FOR BHA	TRIP BHA	TOOH F/8347' to 753'
1/18/2015 03:30	1/18/2015 04:00	0.5	PLAN	EQUIP	TRIP	Remove Rotating Head
1/18/2015 04:00	1/18/2015 04:30	0.5	PLAN	EQUIP	BHA	Continue TOOH F/753' to 0'
1/18/2015 04:30	1/18/2015 05:00	0.5	PLAN	EQUIP	BHA	Break off insert Bit and lay down bit sub, X-O sub and string mill. (All cones are on the bit and good).
1/18/2015 05:00	1/18/2015 06:00	1	PLAN	EQUIP	TRIP	Clean and organize rig floor for safety. Lay down mill tooth bit and string mill. Lay out and prepare Curve BHA.

Report #: 27 Daily Operation: 1/18/2015 06:00 - 1/19/2015 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 033397
Days From Spud (days) 53	Days on Location (days) 26	End Depth (ftKB) 8,753.0	End Depth (TVD) (ftKB) 8,742.8	Dens Last Mud (lb/gal) 8.60	Rig H & P, 637	

Operations Summary

M/U Curve BHA, Test MWD, RIH to 8347', Drill from 8347' to 8682' (335' @ 47.9 fph). Drill Curve 8682' to 8753' (71' @ 7.5 fph); 6% complete; 100% sldg.
Note: KOP 8682' MD 20:30pm 01/19/2015. Survey @ 8697' MD_2.87 INC_138.80 AZM_66' A_17' L_DLS: 7.33_DLN: 6.83 . Last formation sample: 80% Shale, 20% Sand @ 8720'

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014/ Surface TD 17:00pm 11/29/14
Intermediate TD 8,337' @ 10:00 12/08/2014
Released Rig @

RIG NPT: 0 hours for previous 24 hrs., .5 hours for the month of January 2015

Completion Percentage: 100% Surface Hole Drilled, casing ran & cemented.
Completion Percentage: 100 % Intermediate Drilled, casing ran & cemented
Completion Percentage: Production Drilled

Water Meter @ 2694 bbls 24hr Useage: 0 bbls. Total Used: 9261 bbls.

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie # 199
Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing.
Operator # 9 Carla

No Accidents, Incidents or Spills reported last 24hrs.

Survey @ 8276' MD_1.36 INC_86.62 AZM_8266' TVD_DLS: 0.2_61' From Center
T,D Intern Section @ 8337'
Interm. Csg. Shoe @ 8315
Interm. Float Collar @ 8221'
Interm. DV Tool @ 6820'

Survey @ 8697' MD_2.87 INC_138.80 AZM_86876' TVD_DLS: 7.33
Lithology: @ 8720', 80% SH, 20% SD

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/18/2015 06:00	1/18/2015 06:30	0.5	PLAN	EQUIP	BHA	Finish clean and organize rig floor for safety & hold pjsm on picking up Curve BHA.
1/18/2015 06:30	1/18/2015 09:00	2.5	PLAN	EQUIP	BHA	Pick up Scientific 2.1 deg. fixed 7/8 lobe 5.0stage 0.28rpg mud motor, Non-mag DC, pulser sub. Install MWD, scribe & test surface tools, all good. Make up 8.5" Security MM64D PDC (6x20's, 1.84TFA).
1/18/2015 09:00	1/18/2015 13:30	4.5	PROD-TRIP	TRIP	TRIP	TIH from 96' to 8,347' fill up pipe every 30 stands.
1/18/2015 13:30	1/18/2015 20:30	7	PROD-DRILL TANGENT	DRILL PROD TANGENT-ROTATE	DRL-ROT	Rotate from 8347' to 8682' (335' @ 47.9 fph). , WOB 14k, 40 rpm, SPP 1896, motor diff 160, 460 GPM, torque 10k.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/18/2015 20:30	1/19/2015 06:00	9.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE- SLIDE	Slide from 8682' to 8753' (71' @ 7.5 fph). 2.87 MTF, WOB 19k, SPP 1950, motor diff 150, 460 GPM.

Report #: 28 Daily Operation: 1/19/2015 06:00 - 1/20/2015 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 033397
Days From Spud (days) 54	Days on Location (days) 27	End Depth (ftKB) 8,957.0	End Depth (TVD) (ftKB) 8,941.5	Dens Last Mud (lb/gal) 8.60	Rig H & P, 637	

Operations Summary

Drill 8,753' - 8,957' (204' @ 8.5fph) 100% slide. Survey @ 8887' MD_13.60 INC_165.90 AZM_3' A_0' L_DLS: 3.84_DLN: 7.7. Projection at bit: 8935' 15.42deg.
Last formation: 90% Shale, 10% Limestone @ 8,940'

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014// Surface TD 17:00pm 11/29/14
Intermediate TD 8,337' @ 10:00 12/08/2014
Released Rig @

RIG NPT: 0 hours for previous 24 hrs., .5 hours for the month of January 2015

Completion Percentage: 100% Surface Hole Drilled, casing ran & cemented.
Completion Percentage: 100 % Intermediate Drilled, casing ran & cemented
Completion Percentage: Production Drilled

Water Meter @ 2694 bbls 24hr Useage: 0 bbls. Total Used: 9261 bbls.

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie # 199
Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing.
Operator # 9 Carla

No Accidents, Incidents or Spills reported last 24hrs.

Survey @ 8276' MD_1.36 INC_86.62 AZM_8266' TVD_DLS: 0.2_61' From Center
T,D Interm Section @ 8337'
Interm. Csg. Shoe @ 8315
Interm. Float Collar @ 8221'
Interm. DV Tool @ 6820'

Survey @ 8887' MD_13.60 INC_165.90 AZM_8874' TVD_DLS: 7.7
Lithology: @ 8940', 90% Shale, 10% Limestone

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/19/2015 06:00	1/20/2015 06:00	24	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE- SLIDE	Slide from 8753' to 8957' (204' @ 8.5 fph). WOB 15k, 0 rpm, SPP 1950, motor diff 300, 490 GPM, torque 0k.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Report #: 29 Daily Operation: 1/20/2015 06:00 - 1/21/2015 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 033397
Days From Spud (days) 55	Days on Location (days) 28	End Depth (ftKB) 9,200.0	End Depth (TVD) (ftKB) 9,159.3	Dens Last Mud (lb/gal) 8.40	Rig H & P, 637	

Operations Summary

Drill 8.5" Curve from 8,957' to 9,200' (243' @ 10.3fph) 100% slide, Curve 40% completed. Last survey: 9139' MD 29.58deg. 175.64 azim. 9107' TVD. DLS8.77 BRN 8.22. Projection at bit: 33.7deg Last formation sample: 9160' MD: 100% Shale

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014// Surface TD 17:00pm 11/29/14
Intermediate TD 8,337' @ 10:00 12/08/2014
Released Rig @

RIG NPT: 0 hours for previous 24 hrs., .5 hours for the month of January 2015

Completion Percentage: 100% Surface Hole Drilled, casing ran & cemented.
Completion Percentage: 100 % Intermediate Drilled, casing ran & cemented
Completion Percentage: 40% Curve completed Production Drilled

Water Meter @ 2794 bbls 24hr Useage: 100 bbls. Total Used: 9361 bbls.

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie # 199
Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing.
Operator # 9 Carla

No Accidents, Incidents or Spills reported last 24hrs.

T,D Interm Section @ 8337'
Interm. Csg. Shoe @ 8315
Interm. Float Collar @ 8221'
Interm. DV Tool @ 6820'

Last survey: 9139' MD 29.58deg. 175.64 azim. 9107' TVD. DLS8.77 BRN 8.22. Projection at bit: 33.7deg
Lithology: @ 9160', 100% Shale

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/20/2015 06:00	1/20/2015 06:30	0.5	PLAN	EQUIP	RIGSER	Rig service.
1/20/2015 06:30	1/21/2015 06:00	23.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE- SLIDE	Slide from 8957' to 9200' (243' @ 10.3 fph). WOB 20k, 0 rpm, SPP 1450, motor diff 250, 420 GPM, torque 0k.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Report #: 30 Daily Operation: 1/21/2015 06:00 - 1/22/2015 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 033397
Days From Spud (days) 56	Days on Location (days) 29	End Depth (ftKB) 9,408.0	End Depth (TVD) (ftKB) 9,305.1	Dens Last Mud (lb/gal) 8.40	Rig H & P, 637	

Operations Summary

Drill curve F/9200' to 9408' (208' @ 8.7 fph); 61% complete; 100% sldg. Drill curve F/9200' to 9408' (208' @ 8.7 fph); 61% complete; 100% sldg. Last survey: 9329' MD 47.62deg. 171.11 azim. 9252' TVD. DLS 13.07 BRN 12.93 Projection at bit: 53.86deg. Last formation sample: 9380' MD: 70% Shale, 30% Limestone

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014// Surface TD 17:00pm 11/29/14
Intermediate TD 8,337' @ 10:00 12/08/2014
Released Rig @

RIG NPT: 0 hours for previous 24 hrs., .5 hours for the month of January 2015

Completion Percentage: 100% Surface Hole Drilled, casing ran & cemented.
Completion Percentage: 100 % Intermediate Drilled, casing ran & cemented
Completion Percentage: 61% Curve completed Production Drilled

Water Meter @ 2794 bbls 24hr Useage: 0 bbls. Total Used: 9361 bbls.

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie # 199
Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing.
Operator # 9 Carla

No Accidents, Incidents or Spills reported last 24hrs.

T,D Interm Section @ 8337'
Interm. Csg. Shoe @ 8315
Interm. Float Collar @ 8221'
Interm. DV Tool @ 6820'

Last survey: 9329' MD 47.62deg. 171.11 azim. 9252' TVD. DLS 13.07 BRN 12.93 Projection at bit: 53.86deg
Lithology: @ 9160', 70% Shale, 30% LimeStone

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/21/2015 06:00	1/21/2015 06:30	0.5	PLAN	EQUIP	RIGSER	Rig service.
1/21/2015 06:30	1/22/2015 06:00	23.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE- SLIDE	Slide from 9200' to 9408' (208' @ 8.7 fph). WOB 20k, 0 rpm, SPP 1550, motor diff 160, 490 GPM, torque 0k.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Report #: 31 Daily Operation: 1/22/2015 06:00 - 1/23/2015 06:00						
Job Category ORIG DRILLING				Primary Job Type ODR		AFE Number 033397
Days From Spud (days) 57	Days on Location (days) 30	End Depth (ftKB) 9,565.0	End Depth (TVD) (ftKB) 9,374.2	Dens Last Mud (lb/gal) 8.40	Rig H & P, 637	
Operations Summary Built curve 9408' to 9565' (157' @ 13.7 fph); 75% complete; 100% sldg. Last survey: 9518' MD 66.65 INC_164.83 AZM_ 9357.21' TVD. DLS 10.2 BRN 3.7 Projection at bit: 71.55 deg: Lithology: @ 9160', 80% LimeStone - 20% Shale. CBU, Pump Slug, TOO, L/D Curve BHA, P/U lateral BHA, TIH to 1997'						
Remarks Rig (H&P 637), Well (University 7-43 # 21H) Rig started arriving from Houston yard 11/18/14 @ 12:00pm Accepted rig on day work: 13:00hrs 11/26/2014 Spud In @ 23:30hrs 11/26/2014// Surface TD 17:00pm 11/29/14 Intermediate TD 8,337' @ 10:00 12/08/2014 Released Rig @ RIG NPT: 0 hours for previous 24 hrs., .5 hours for the month of January 2015 Completion Percentage: 100% Surface Hole Drilled, casing ran & cemented. Completion Percentage: 100 % Intermediate Drilled, casing ran & cemented Completion Percentage: 75% Curve completed Production Drilled Water Meter @ 2794 bbls 24hr Useage: 0 bbls. Total Used: 9361 bbls. Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing. Operator Katie # 199 Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing. Operator # 9 Carla No Accidents, Incidents or Spills reported last 24hrs. T,D Interm Section @ 8337' Interm. Csg. Shoe @ 8315 Interm. Float Collar @ 8221' Interm. DV Tool @ 6820' Last survey: 9518' MD 66.65deg. 164.83 azim. 9357' TVD. DLS 10.2 BRN 3.7 Projection at bit: 71.55deg Lithology: @ 9560', 80% LimeStone, 20% Shale						
Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/22/2015 06:00	1/22/2015 17:30	11.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE- SLIDE	Slide from 9408' to 9565' (157' @ 13.7 fph). WOB 36k, 0 rpm, SPP 2127, motor diff 400, 561 GPM, torque 1k.100% Slide. Last survey: 9518' MD 66.65 INC_164.83 AZM_ 9357.21' TVD. DLS 10.28 BRN 8.77 Projection at bit: 71.55 deg Lithology: @ 9560', 80% LimeStone - 20% Shale.
1/22/2015 17:30	1/22/2015 18:30	1	PROD-CIRC	CIRCULATE	CIRC	Clean up cycle, pump 30bbls hi vis sweep. Check flow, well static. Pump slug
1/22/2015 18:30	1/22/2015 23:30	5	PROD-TRIP BHA	TRIP FOR BHA	TRIP BHA	POOH from 9565' to 96' hole slick and taking proper fill.
1/22/2015 23:30	1/23/2015 00:00	0.5	PROD-TRIP BHA	TRIP FOR BHA	TRIP BHA	Remove rotating head, install trip nipple.
1/23/2015 00:00	1/23/2015 02:00	2	PROD-TRIP BHA	TRIP FOR BHA	TRIP BHA	Drain mud motor, break off bit. Lay down mud motor, bit, retrieve MWD.
1/23/2015 02:00	1/23/2015 04:30	2.5	PLAN	EQUIP	BHA	P/U 1.75 motor fixed UKB 7/8lobe 6.4stage 0.28rpg mud motor, nonmag DC, install pulser sub & MWD. Scribe & test same. Make up 8.5" Smith MDSi516M (6x18's, 2x22"s, 2.12TFA).
1/23/2015 04:30	1/23/2015 06:00	1.5	PROD-TRIP	TRIP	TRIP	TIH F/104' to 1997'

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Report #: 32 Daily Operation: 1/23/2015 06:00 - 1/24/2015 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 033397	
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig		
58	31	10,932.0	9,449.0	8.50	H & P, 637		

Operations Summary

TIH to 9565', Built curve 9565' to 10237' (672' @ 75 fph); 100% complete @ 1930 hrs 01/23/2015. Drl lateral 10237' to 10932' (695' @ 66 fph); Lateral 7% complete; Rotate: 1114'/81%, Slide: 253'/ 19%
Note: Landing point 10,237'MD 86.74 deg 164.63 azim. 9446' TVD -- 13' above, 28' left.

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014// Surface TD 17:00pm 11/29/14
Intermediate TD 8,337' @ 10:00 12/08/2014
Released Rig @

RIG NPT: 0 hours for previous 24 hrs., .5 hours for the month of January 2015

Completion Percentage: 100% Surface Hole Drilled, casing ran & cemented.
Completion Percentage: 100 % Intermediate Drilled, casing ran & cemented
Completion Percentage: 100% Curve completed Production Drilled
Completion Percentage: 7 % Lateral completed

Water Meter @ 2794 bbls 24hr Usage: 0 bbls. Total Used: 9361 bbls.

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.

Operator Katie # 199

Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing.

Operator # 9 Carla

No Accidents, Incidents or Spills reported last 24hrs.

T,D Interm Section @ 8337'
Interm. Csg. Shoe @ 8315
Interm. Float Collar @ 8221'
Interm. DV Tool @ 6820'

Last survey: 10655' MD 91.14deg. 165.76 azim. 9450' TVD. DLS 1.8 BRN 1.7 Projection at bit: 91.55deg

Lithology: @ 10760', 80% Shale, 20% LimeStone

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/23/2015 06:00	1/23/2015 10:30	4.5	PROD-TRIP	TRIP	TRIP	TIH from 1,997' to 9,565' hole slick no problems through open hole section. Relog last 50' for Gamma.
1/23/2015 10:30	1/23/2015 12:00	1.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide from 9565' to 9637' (72' @ 48 fph). WOB 25k, SPP 2390, motor diff 350, 561 GPM, torque 0k.
1/23/2015 12:00	1/23/2015 12:30	0.5	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rotate from 9637' to 9668' (31' @ 62 fph). WOB 30k, 60 rpm, SPP 2810, motor diff 700, 561 GPM, torque 15k.
1/23/2015 12:30	1/23/2015 13:00	0.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide from 9668' to 9688' (20' @ 40 fph). WOB 25k, SPP 2400, motor diff 400, 561 GPM, torque 0k.
1/23/2015 13:00	1/23/2015 14:00	1	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rotate from 9688' to 9762' (74' @ 74 fph). WOB 30k, 70 rpm, SPP 2600, motor diff 700, 561 GPM, torque 12k.
1/23/2015 14:00	1/23/2015 15:00	1	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide from 9762' to 9798' (36' @ 36 fph). WOB 25k, SPP 2400, motor diff 400, 561 GPM, torque 0k.
1/23/2015 15:00	1/23/2015 15:30	0.5	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rotate from 9798' to 9857' (59' @ 118 fph). WOB 25k, 70 rpm, SPP 2600, motor diff 525, 561 GPM, torque 13k.
1/23/2015 15:30	1/23/2015 16:30	1	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE-SLIDE	Slide from 9857' to 9882' (25' @ 25 fph). WOB 22k, SPP 2450, motor diff 365, 561 GPM, torque 0k.
1/23/2015 16:30	1/23/2015 17:00	0.5	PROD-DRILL CURVE	DRILL CURVE-ROTATE	DRL CURVE-ROT	Rotate from 9882' to 9952' (70' @ 140 fph). WOB 30k, 70 rpm, SPP 2875, motor diff 800, 561 GPM, torque 15k.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/23/2015 17:00	1/23/2015 17:30	0.5	PROD-DRILL CURVE	DRILL CURVE-SLIDE	DRL CURVE- SLIDE	Slide from 9952' to 9967' (15' @ 30 fph). WOB 22k, SPP 2500, motor diff 398, 561 GPM, torque 0k.
1/23/2015 17:30	1/23/2015 19:30	2	PROD-DRILL CURVE	DRILL CURVE- ROTATE	DRL CURVE- ROT	Rotate from 9967' to 10237' (270' @ 135 fph). WOB 29k, 68 rpm, SPP 3000, motor diff 865, 561 GPM, torque 16k.
1/23/2015 19:30	1/23/2015 20:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL- SLIDE	DRL LAT- SLIDE	Slide from 10237' to 10252' (15' @ 30 fph). WOB 20k, SPP 2500, motor diff 325, 561 GPM, torque 0k.
1/23/2015 20:00	1/23/2015 22:30	2.5	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rotate from 10252' to 10426' (174' @ 70 fph). WOB 34k, 70 rpm, SPP 2900, motor diff 800, 561 GPM, torque 15k.
1/23/2015 22:30	1/23/2015 23:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL- SLIDE	DRL LAT- SLIDE	Slide from 10426' to 10441' (15' @ 30 fph). WOB 20k, SPP 2400, motor diff 226, 561 GPM, torque 0k.
1/23/2015 23:00	1/24/2015 00:00	1	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rotate from 10441' to 10522' (81' @ 81 fph). WOB 30k, 70 rpm, SPP 2920, motor diff 663, 561 GPM, torque 14k.
1/24/2015 00:00	1/24/2015 00:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL- SLIDE	DRL LAT- SLIDE	Slide from 10522' to 10542' (20' @ 40 fph). WOB 18k, SPP 2600, motor diff 341, 561 GPM, torque 0k.
1/24/2015 00:30	1/24/2015 02:30	2	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rotate from 10542' to 10711' (169' @ 85 fph). WOB 28k, 70 rpm, SPP 2770, motor diff 554, 560 GPM, torque 13k.
1/24/2015 02:30	1/24/2015 03:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL- SLIDE	DRL LAT- SLIDE	Slide from 10711' to 10726' (15' @ 30 fph). WOB 7k, SPP 2250, motor diff 247, 560 GPM, torque 0k.
1/24/2015 03:00	1/24/2015 04:00	1	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rotate from 10726' to 10806' (80' @ 80 fph). WOB 29k, 70 rpm, SPP 3010, motor diff 833, 560 GPM, torque 15k.
1/24/2015 04:00	1/24/2015 04:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL- SLIDE	DRL LAT- SLIDE	Slide from 10806' to 10826' (20' @ 40 fph). WOB 21k, SPP 2500, motor diff 242, 560 GPM, torque 0k.
1/24/2015 04:30	1/24/2015 06:00	1.5	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rotate from 10826' to 10932' (106' @ 71 fph). WOB 28k, 70 rpm, SPP 3025, motor diff 765, 560 GPM, torque 14k.

Report #: 33 Daily Operation: 1/24/2015 06:00 - 1/25/2015 06:00

Job Category	Primary Job Type				AFE Number
ORIG DRILLING	ODR				033397
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
59	32	12,842.0	9,460.8	8.50	H & P, 637

Operations Summary

Drl lateral 10932' to 12842' (1910' @ 81 fph); 27% complete; 83% rot, 17% sldg; 28' left, 27' low; plan #4.

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014// Surface TD 17:00pm 11/29/14
Intermediate TD 8,337' @ 10:00 12/08/2014
Released Rig @

RIG NPT: 0 hours for previous 24 hrs., .5 hours for the month of January 2015

Completion Percentage: 100% Surface Hole Drilled, casing ran & cemented.
Completion Percentage: 100 % Intermediate Drilled, casing ran & cemented
Completion Percentage: 100% Curve completed Production Drilled
Completion Percentage: 27 % Lateral completed

Water Meter @ 2794 bbls 24hr Usage: 0 bbls. Total Used: 9361 bbls.

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie # 199
Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing.
Operator # 9 Carla

No Accidents, Incidents or Spills reported last 24hrs.

T,D Interm Section @ 8337'
Interm. Csg. Shoe @ 8315
Interm. Float Collar @ 8221'
Interm. DV Tool @ 6820'

Last survey: 12723' MD 92.18deg. 163.99 azim. 9463' TVD. DLS 1.1 BRN .8 Projection at bit: 92.18deg
Lithology: @ 12740', 90% Shale, 10% LimeStone

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/24/2015 06:00	1/24/2015 09:30	3.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 10932' to 11279' (347' @ 99 fph). WOB 35k, 70 rpm, SPP 3200, motor diff 900, 600 GPM, torque 14k.
1/24/2015 09:30	1/24/2015 10:00	0.5	PLAN	EQUIP	RIGSER	Rig service.
1/24/2015 10:00	1/24/2015 19:30	9.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 11279' to 12306' (1027' @ 108 fph). WOB 40k, 70 rpm, SPP 3450, motor diff 550, 582 GPM, torque 14k.
1/24/2015 19:30	1/24/2015 20:30	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 12306' to 12326' (20' @ 20 fph). WOB 25k, SPP 3000, motor diff 235, 582 GPM, torque 0k.
1/24/2015 20:30	1/24/2015 21:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 12326' to 12401' (75' @ 150 fph). WOB 35k, 70 rpm, SPP 3450, motor diff 475, 582 GPM, torque 13k.
1/24/2015 21:00	1/24/2015 22:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 12401' to 12421' (20' @ 20 fph). WOB 28k, SPP 3000, motor diff 254, 582 GPM, torque 0k.
1/24/2015 22:00	1/24/2015 22:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 12421' to 12432' (11' @ 22 fph). WOB 12k, 70 rpm, SPP 3130, motor diff 340, 582 GPM, torque 13k.
1/24/2015 22:30	1/24/2015 23:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 12432' to 12452' (20' @ 40 fph). WOB 27k, SPP 3040, motor diff 300, 582 GPM, torque 0k.
1/24/2015 23:00	1/24/2015 23:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 12452' to 12495' (43' @ 86 fph). WOB 34k, 70 rpm, SPP 3435, motor diff 610, 582 GPM, torque 17k.
1/24/2015 23:30	1/25/2015 00:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 12495' to 12515' (20' @ 40 fph). WOB 21k, SPP 2975, motor diff 228, 582 GPM, torque 0k.
1/25/2015 00:00	1/25/2015 00:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 12515' to 12527' (12' @ 24 fph). WOB 14k, 70 rpm, SPP 3140, motor diff 262, 582 GPM, torque 13k.
1/25/2015 00:30	1/25/2015 01:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 12527' to 12547' (20' @ 40 fph). WOB 17k, SPP 2450, motor diff 148, 582 GPM, torque 0k.
1/25/2015 01:00	1/25/2015 03:00	2	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 12547' to 12653' (106' @ 53 fph). WOB 33k, 70 rpm, SPP 3325, motor diff 615, 582 GPM, torque 16k.
1/25/2015 03:00	1/25/2015 03:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 12653' to 12673' (20' @ 40 fph). WOB 20k, SPP 3039, motor diff 332, 582 GPM, torque 0k.
1/25/2015 03:30	1/25/2015 06:00	2.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 12673' to 12842' (169' @ 68 fph). WOB 33k, 70 rpm, SPP 3345, motor diff 603, 582 GPM, torque 16k.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Report #: 34 Daily Operation: 1/25/2015 06:00 - 1/26/2015 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 033397
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
60	33	13,617.0	9,429.5	8.40	H & P, 637	

Operations Summary

Drid lateral 12842' to 13617' (775' @ 47 fph); 35% complete; 67% rot, 33% sldg; 47' left, 2' low; CBHT 171 F; plan #4. CBU to TOOH for ROP, check flow, Pump Slug, TOOH F/13617' to 104"

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014// Surface TD 17:00pm 11/29/14
Intermediate TD 8,337' @ 10:00 12/08/2014
Released Rig @

RIG NPT: 7 hours for previous 24 hrs., 7.5 hours for the month of January 2015

Completion Percentage: 100% Surface Hole Drilled, casing ran & cemented.
Completion Percentage: 100 % Intermediate Drilled, casing ran & cemented
Completion Percentage: 100% Curve completed Production Drilled
Completion Percentage: 35 % Lateral completed

Water Meter @ 2794 bbls 24hr Usage: 0 bbls. Total Used: 9361 bbls.

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie # 199
Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing.
Operator # 9 Carla

No Accidents, Incidents or Spills reported last 24hrs.

T,D Interm Section @ 8337'
Interm. Csg. Shoe @ 8315
Interm. Float Collar @ 8221'
Interm. DV Tool @ 6820'

Last survey: 13481' MD 92.86deg. 168.41 azim. 9435' TVD. DLS 3.3 BRN -1.98 Projection at bit: 92.86deg
Lithology: @ 12740', 70% Shale, 30% LimeStone

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/25/2015 06:00	1/25/2015 06:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 12842' to 12874' (32' @ 64 fph). WOB 35k, 70 rpm, SPP 3600, motor diff 900, 600 GPM, torque 14k.
1/25/2015 06:30	1/25/2015 07:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 12874' to 12899' (25' @ 50 fph). 30R GTF, WOB 35k, SPP 3100, motor diff 400, 600 GPM.
1/25/2015 07:00	1/25/2015 08:00	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 12899' to 12967' (68' @ 68 fph). WOB 40k, 70 rpm, SPP 3600, motor diff 900, 600 GPM, torque 14k.
1/25/2015 08:00	1/25/2015 08:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 12967' to 12993' (26' @ 52 fph). 30R GTF, WOB 35k, SPP 3200, motor diff 500, 600 GPM.
1/25/2015 08:30	1/25/2015 09:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 12993' to 13000' (7' @ 14 fph). WOB 40k, 70 rpm, SPP 3600, motor diff 800, 600 GPM, torque 14k.
1/25/2015 09:00	1/25/2015 09:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 13000' to 13025' (25' @ 50 fph). 30R GTF, WOB 35k, SPP 3100, motor diff 400, 600 GPM.
1/25/2015 09:30	1/25/2015 10:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 13025' to 13033' (8' @ 16 fph). WOB 40k, 70 rpm, SPP 3500, motor diff 800, 600 GPM, torque 15k.
1/25/2015 10:00	1/25/2015 10:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 13033' to 13053' (20' @ 40 fph). 30R GTF, WOB 35k, SPP 3200, motor diff 500, 600 GPM.
1/25/2015 10:30	1/25/2015 13:30	3	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 13053' to 13284' (231' @ 77 fph). WOB 35k, 70 rpm, SPP 3600, motor diff 800, 600 GPM, torque 16k.
1/25/2015 13:30	1/25/2015 14:30	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 13284' to 13304' (20' @ 20 fph). 60R GTF, WOB 35k, SPP 3100, motor diff 400, 600 GPM.
1/25/2015 14:30	1/25/2015 15:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 13304' to 13316' (12' @ 24 fph). WOB 17k, 70 rpm, SPP 3150, motor diff 410, 582 GPM, torque 16k.
1/25/2015 15:00	1/25/2015 15:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 13316' to 13336' (20' @ 40 fph). 60R GTF, WOB 35k, SPP 2950, motor diff 145, 582 GPM.
1/25/2015 15:30	1/25/2015 16:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 13336' to 13347' (11' @ 22 fph). WOB 26k, 70 rpm, SPP 3430, motor diff 629, 582 GPM, torque 20k.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/25/2015 16:00	1/25/2015 16:30	0.5	PLAN	EQUIP	RIGSER	Rig Service
1/25/2015 16:30	1/25/2015 17:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 13347' to 13368' (21' @ 42 fph). WOB 26k, 70 rpm, SPP 3425, motor diff 629, 582 GPM, torque 20k.
1/25/2015 17:00	1/25/2015 18:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 13368' to 13410' (42' @ 42 fph). 90R GTF, WOB 33k, SPP 2900, motor diff 232, 582 GPM.
1/25/2015 18:00	1/25/2015 19:00	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 13410' to 13460' (50' @ 50 fph). WOB 37k, 70 rpm, SPP 3320, motor diff 639, 582 GPM, torque 18k.
1/25/2015 19:00	1/25/2015 20:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 13460' to 13480' (20' @ 20 fph). 120R GTF, WOB 13k, SPP 2860, motor diff 148, 582 GPM.
1/25/2015 20:00	1/25/2015 23:00	3	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 13480' to 13617' (137' @ 45.7 fph). WOB 33k, 70 rpm, SPP 3010, motor diff 247, 582 GPM, torque 15k. Note: While drilling lost differential and was not able to get bit back to drilling nor any differential back on mud motor. Decision made to POOH and insepect bit & mud motor for issues.
1/25/2015 23:00	1/26/2015 00:00	1	PROD-CIRC	CIRCULATE	CIRC	CBU to TOO H for ROP, Check flow, Pump slug.
1/26/2015 00:00	1/26/2015 06:00	6	PROD-TRIP	TRIP	TRIP	TOOH F/13617' to 104'

Report #: 35 Daily Operation: 1/26/2015 06:00 - 1/27/2015 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 033397
Days From Spud (days) 61	Days on Location (days) 34	End Depth (ftKB) 14,026.0	End Depth (TVD) (ftKB) 9,413.1	Dens Last Mud (lb/gal) 8.50	Rig H & P, 637	

Operations Summary

Change out BHA, TIH to 8162', C/O Saver Sub, Slip & cut 72' Drill Line, TIH to 13,532', Relog Gamma F/13,532' T/13,617. Drill 13,617' to 14,026' (409' @ 43fph) Rotate 329/80%, Slide 80/20%. Last Survey @ 13954' MD_91.21 INC_168.00 AZM_15' A_28' L_DLS: 2.68. Last formation sample: 13,960' 80% Limestone, 20% Shale

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014// Surface TD 17:00pm 11/29/14
Intermediate TD 8,337' @ 10:00 12/08/2014
Released Rig @

RIG NPT: 7 hours for previous 24 hrs., 7.5 hours for the month of January 2015

Completion Percentage: 100% Surface Hole Drilled, casing ran & cemented.
Completion Percentage: 100 % Intermediate Drilled, casing ran & cemented
Completion Percentage: 100% Curve completed Production Drilled
Completion Percentage: 39 % Lateral completed

Water Meter @ 2794 bbls 24hr Useage: 0 bbls. Total Used: 9361 bbls.

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie # 199
Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing.
Operator # 9 Carla

No Accidents, Incidents or Spills reported last 24hrs.

T,D Interm Section @ 8337'
Interm. Csg. Shoe @ 8315
Interm. Float Collar @ 8221'
Interm. DV Tool @ 6820'

Last survey: 13954' MD_91.21 INC_168.00 AZM_15' A_28' L_DLS: 2.68
Lithology: @ 13,960', 20% Shale, 80% LimeStone

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/26/2015 06:00	1/26/2015 09:30	3.5	PLAN	EQUIP	BHA	Drain motor(all good) , break off bit (found wear on shoulder cutters), lay down mud motor & bit. Retrieve MWD. Pick up Scientific "UKB Titan22" 6.5" 1.75deg. fixed 7/8lobe 5.0stage 0.28rpg mud motor, pick up NMDC, pulser sub, install MWD. Scribe & test surface tools, all good. Make up 8.5" Smith MDSi516 PDC bit (6x18's, 2x22's).
1/26/2015 09:30	1/26/2015 10:00	0.5	PLAN	EQUIP	BOPS	C/O rubber on rotating head and install same.
1/26/2015 10:00	1/26/2015 12:30	2.5	PROD-TRIP	TRIP	TRIP	TIH F/200' to 6,368' fill pipe every 30 stands
1/26/2015 12:30	1/26/2015 13:00	0.5	PLAN	EQUIP	RIGSER	Rig service.
1/26/2015 13:00	1/26/2015 14:00	1	PROD-TRIP	TRIP	TRIP	TIH from 6,368' to 8,162' fill pipe every 30 stands
1/26/2015 14:00	1/26/2015 15:00	1	UNPLAN	EQUIP	U_RIG	Change out saver sub on top drive.
1/26/2015 15:00	1/26/2015 16:30	1.5	PLAN	DRLG	CUTDL	Slip and cut drilling line
1/26/2015 16:30	1/26/2015 20:00	3.5	PROD-TRIP	TRIP	TRIP	TIH F/8,162' to 13,532' fill pipe every 30 stands.
1/26/2015 20:00	1/26/2015 20:30	0.5	PLAN	GEO	LOG	Relog gamma F/13,532' to 13,617'
1/26/2015 20:30	1/26/2015 22:30	2	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rotate from 13617' to 13816' (199' @ 100 fph). WOB 40k, 70 rpm, motor diff 550, 582 GPM, torque 16k.
1/26/2015 22:30	1/27/2015 00:00	1.5	PROD-DRILL LATERAL	DRILL LATERAL- SLIDE	DRL LAT- SLIDE	Slide from 13816' to 13836' (20' @ 13.3 fph). 120L GTF, WOB 45k, motor diff 100, 582 GPM.
1/27/2015 00:00	1/27/2015 01:00	1	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rotate from 13836' to 13911' (75' @ 75 fph). WOB 40k, 70 rpm, motor diff 600, 582 GPM, torque 19k.
1/27/2015 01:00	1/27/2015 02:30	1.5	PROD-DRILL LATERAL	DRILL LATERAL- SLIDE	DRL LAT- SLIDE	Slide from 13911' to 13931' (20' @ 13.3 fph). 180 GTF, WOB 45k, motor diff 100, 582 GPM.
1/27/2015 02:30	1/27/2015 03:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rotate from 13931' to 13943' (12' @ 24 fph). WOB 35k, 70 rpm, motor diff 450, 582 GPM, torque 18k.
1/27/2015 03:00	1/27/2015 04:00	1	PROD-DRILL LATERAL	DRILL LATERAL- SLIDE	DRL LAT- SLIDE	Slide from 13943' to 13963' (20' @ 20 fph). 180 GTF, WOB 35k, motor diff 450, 582 GPM.
1/27/2015 04:00	1/27/2015 05:00	1	PROD-DRILL LATERAL	DRILL LATERAL- ROTATE	DRL LAT- ROT	Rotate from 13963' to 14006' (43' @ 43 fph). WOB 33k, 70 rpm, motor diff 365, 582 GPM, 3200pp psi, torque 16k.
1/27/2015 05:00	1/27/2015 06:00	1	PROD-DRILL LATERAL	DRILL LATERAL- SLIDE	DRL LAT- SLIDE	Slide from 14006' to 14026' (20' @ 20 fph). 180 GTF, WOB 40k, 0 rpm, motor diff 450, 582 GPM, torque 0k, 2800psi pp.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Report #: 36 Daily Operation: 1/27/2015 06:00 - 1/28/2015 06:00

Job Category ORIG DRILLING			Primary Job Type ODR		AFE Number 033397	
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
62	35	15,280.0	9,440.6	8.40	H & P, 637	

Operations Summary

Drid lateral 14026' to 15280' (1254' @ 53 fph); 52% complete; 60% rot, 40% sldg; 20' left, 50' low; CBHT 170 F; plan #4.

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014// Surface TD 17:00pm 11/29/14
Intermediate TD 8,337' @ 10:00 12/08/2014
Released Rig @

RIG NPT: 0 hours for previous 24 hrs., 21.5 hours for the month of January 2015

Completion Percentage: 100% Surface Hole Drilled, casing ran & cemented.
Completion Percentage: 100 % Intermediate Drilled, casing ran & cemented
Completion Percentage: 100% Curve completed Production Drilled
Completion Percentage: 39 % Lateral completed

Water Meter @ 2794 bbls 24hr Usage: 0 bbls. Total Used: 9361 bbls.

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie # 199
Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing.
Operator # 9 Carla

No Accidents, Incidents or Spills reported last 24hrs.

T,D Interm Section @ 8337'
Interm. Csg. Shoe @ 8315
Interm. Float Collar @ 8221'
Interm. DV Tool @ 6820'

Last survey: 15,186' MD_89.56 INC_166.23 AZM_20' B_50' L_DLS: 2.93
Lithology: @ 15,140', 80% Shale, 20% LimeStone

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/27/2015 06:00	1/27/2015 09:00	3	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 14026' to 14132' (106' @ 35.3 fph). WOB 35k, 70 rpm, motor diff 500, 600 GPM, torque 12k.
1/27/2015 09:00	1/27/2015 10:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 14132' to 14152' (20' @ 20 fph). 150L GTF, WOB 35k, motor diff 300, 600 GPM.
1/27/2015 10:00	1/27/2015 11:00	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 14152' to 14195' (43' @ 43 fph). WOB 35k, 70 rpm, motor diff 500, 600 GPM, torque 13k.
1/27/2015 11:00	1/27/2015 11:30	0.5	PLAN	EQUIP	RIGSER	Rig service.
1/27/2015 11:30	1/27/2015 13:00	1.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 14195' to 14215' (20' @ 13.3 fph). 150L GTF, WOB 35k, motor diff 300, 600 GPM.
1/27/2015 13:00	1/27/2015 15:00	2	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 14215' to 14284' (69' @ 34.5 fph). WOB 35k, 70 rpm, motor diff 500, 600 GPM, torque 14k.
1/27/2015 15:00	1/27/2015 16:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 14284' to 14394' (110' @ 110 fph). 150L GTF, WOB 25k, motor diff 160, 600 GPM.
1/27/2015 16:00	1/27/2015 18:30	2.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 14394' to 14669' (275' @ 110 fph). WOB 37k, 70 rpm, motor diff 600, 600 GPM, torque 18k.
1/27/2015 18:30	1/27/2015 19:30	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 14669' to 14689' (20' @ 20 fph). 60R GTF, WOB 34k, motor diff 160, 600 GPM.
1/27/2015 19:30	1/27/2015 20:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 14689' to 14764' (75' @ 150 fph). WOB 37k, 70 rpm, motor diff 600, 600 GPM, torque 18k.
1/27/2015 20:00	1/27/2015 21:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 14764' to 14784' (20' @ 20 fph). 120R GTF, WOB 38k, motor diff 150, 600 GPM.
1/27/2015 21:00	1/27/2015 21:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 14784' to 14859' (75' @ 150 fph). WOB 37k, 70 rpm, motor diff 600, 600 GPM, torque 19k.
1/27/2015 21:30	1/27/2015 22:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 14859' to 14874' (15' @ 30 fph). 20R GTF, WOB 37k, motor diff 100, 600 GPM.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/27/2015 22:00	1/28/2015 00:00	2	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 14874' to 15048' (174' @ 87 fph). WOB 38k, 70 rpm, motor diff 650, 600 GPM, torque 20k.
1/28/2015 00:00	1/28/2015 01:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 15048' to 15068' (20' @ 20 fph). 90R GTF, WOB 28k, motor diff 150, 600 GPM.
1/28/2015 01:00	1/28/2015 01:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 15068' to 15143' (75' @ 150 fph). WOB 38k, 70 rpm, motor diff 550, 600 GPM, torque 19k.
1/28/2015 01:30	1/28/2015 02:30	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 15143' to 15163' (20' @ 20 fph). 90R GTF, WOB 38k, motor diff 150, 600 GPM.
1/28/2015 02:30	1/28/2015 03:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 15163' to 15174' (11' @ 22 fph). WOB 37k, 70 rpm, motor diff 650, 600 GPM, torque 19k.
1/28/2015 03:00	1/28/2015 04:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 15174' to 15194' (20' @ 20 fph). 120R GTF, WOB 38k, motor diff 150, 600 GPM.
1/28/2015 04:00	1/28/2015 05:30	1.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 15194' to 15274' (80' @ 53 fph). WOB 32k, 70 rpm, motor diff 475, 600 GPM, torque 17k.
1/28/2015 05:30	1/28/2015 06:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 15274' to 15280' (6' @ 12 fph). WOB 38k, motor diff 150, 600 GPM.

Report #: 37 Daily Operation: 1/28/2015 06:00 - 1/29/2015 06:00

Job Category ORIG DRILLING				Primary Job Type ODR		AFE Number 033397
Days From Spud (days) 63	Days on Location (days) 36	End Depth (ftKB) 16,300.0	End Depth (TVD) (ftKB) 9,432.6	Dens Last Mud (lb/gal) 8.40	Rig H & P, 637	

Operations Summary

Drl lateral 15280' to 16300' (1020' @ 43.4 fph); 62% complete; 51% rot, 49% sldg; 43' left, 10' high; CBHT 173 F; plan #4.

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014// Surface TD 17:00pm 11/29/14
Intermediate TD 8,337' @ 10:00 12/08/2014
Released Rig @

RIG NPT: 0 hours for previous 24 hrs., 21.5 hours for the month of January 2015

Completion Percentage: 100% Surface Hole Drilled, casing ran & cemented.
Completion Percentage: 100 % Intermediate Drilled, casing ran & cemented
Completion Percentage: 100% Curve completed Production Drilled
Completion Percentage: 39 % Lateral completed

Water Meter @ 2794 bbls 24hr Usage: 0 bbls. Total Used: 9361 bbls.

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie # 199
Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing.
Operator # 9 Carla

No Accidents, Incidents or Spills reported last 24hrs.

T,D Interm Section @ 8337'
Interm. Csg. Shoe @ 8315
Interm. Float Collar @ 8221'
Interm. DV Tool @ 6820'

Last survey: 16,228' MD_91.58 INC_167.82 AZM_10' H_43' L_DLS: 0.57
Lithology: @ 16,130', 90% Shale, 10% LimeStone

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/28/2015 06:00	1/28/2015 08:30	2.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 15280' to 15422' (142' @ 57 fph). WOB 35k, 70 rpm, motor diff 500, 600 GPM, 3200psi pp, torque 18k.
1/28/2015 08:30	1/28/2015 09:30	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 15422' to 15542' (120' @ 120 fph). 30R GTF, WOB 35k, 0 rpm, motor diff 300, 600 GPM, torque 0k, 2800psi pp.
1/28/2015 09:30	1/28/2015 10:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 15542' to 15560' (18' @ 36 fph). WOB 35k, 70 rpm, motor diff 600, 600 GPM, 3200psi pp, torque 18k.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/28/2015 10:00	1/28/2015 11:30	1.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 15560' to 15590' (30' @ 20 fph). 30R GTF, WOB 35k, 0 rpm, motor diff 350, 600 GPM, 2800psi pp, torque 0k.
1/28/2015 11:30	1/28/2015 12:30	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 15590' to 15648' (58' @ 58 fph). WOB 37k, 70 rpm, motor diff 700, 600 GPM, torque 19k.
1/28/2015 12:30	1/28/2015 13:30	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 15648' to 15668' (20' @ 20 fph). 90R GTF, WOB 35k, 0 rpm, motor diff 300, 600 GPM, 2800psi pp, torque 0k.
1/28/2015 13:30	1/28/2015 14:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 15668' to 15712' (44' @ 88 fph). WOB 35k, 70 rpm, motor diff 700, 600 GPM, torque 19k, 3200psi pp.
1/28/2015 14:00	1/28/2015 15:30	1.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 15712' to 15732' (20' @ 13.3 fph). 90R GTF, WOB 20k, motor diff 150, 591 GPM.
1/28/2015 15:30	1/28/2015 16:30	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 15732' to 15806' (74' @ 74 fph). WOB 40k, 70 rpm, motor diff 600, 591 GPM, torque 18k.
1/28/2015 16:30	1/28/2015 17:00	0.5	PLAN	EQUIP	RIGSER	Service Rig.
1/28/2015 17:00	1/28/2015 18:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 15806' to 15826' (20' @ 20 fph). 90R GTF, WOB 25k, motor diff 100, 591 GPM.
1/28/2015 18:00	1/28/2015 19:00	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 15826' to 15870' (44' @ 44 fph). WOB 38k, 70 rpm, motor diff 575, 591 GPM, torque 20k.
1/28/2015 19:00	1/28/2015 20:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 15870' to 15890' (20' @ 20 fph). HS GTF, WOB 17k, motor diff 100, 591 GPM.
1/28/2015 20:00	1/28/2015 20:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 15890' to 15901' (11' @ 22 fph). WOB 38k, 70 rpm, motor diff 575, 591 GPM, torque 20k.
1/28/2015 20:30	1/28/2015 21:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 15901' to 15921' (20' @ 40 fph). HS GTF, WOB 17k, motor diff 100, 591 GPM.
1/28/2015 21:00	1/28/2015 22:30	1.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 15921' to 15996' (75' @ 50 fph). WOB 38k, 70 rpm, motor diff 600, 591 GPM, torque 20k.
1/28/2015 22:30	1/28/2015 23:30	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 15996' to 16016' (20' @ 20 fph). 90R GTF, WOB 17k, motor diff 100, 591 GPM.
1/28/2015 23:30	1/29/2015 01:00	1.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 16016' to 16117' (101' @ 67 fph). WOB 32k, 70 rpm, motor diff 600, 591 GPM, torque 20k.
1/29/2015 01:00	1/29/2015 02:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 16117' to 16432' (315' @ 315 fph). 180 GTF, WOB 17k, motor diff 100, 591 GPM.
1/29/2015 02:00	1/29/2015 03:00	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 16132' to 16185' (53' @ 53 fph). WOB 34k, 70 rpm, motor diff 600, 591 GPM, torque 20k.
1/29/2015 03:00	1/29/2015 04:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 16185' to 16205' (20' @ 20 fph). 180 GTF, WOB 17k, motor diff 100, 591 GPM.
1/29/2015 04:00	1/29/2015 05:00	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 16205' to 16280' (75' @ 75 fph). WOB 33k, 70 rpm, motor diff 600, 591 GPM, torque 20k.
1/29/2015 05:00	1/29/2015 06:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 16280' to 16300' (20' @ 20 fph). 180 GTF, WOB 17k, motor diff 100, 591 GPM.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Report #: 38 Daily Operation: 1/29/2015 06:00 - 1/30/2015 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 033397	
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig		
64	37	17,205.0	9,431.5	8.40	H & P, 637		

Operations Summary

Drl'd lateral 16300' to 17205' (905' @ 38.5 fph); 72% complete; 60% rot, 40% slg; 34' left, 6' high; CBHT 168 F; plan #5.

Last Survey @ 17080' MD_89.19 INC_162.15 AZM_6' A_34' L_DLS: 4.15

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014// Surface TD 17:00pm 11/29/14
Intermediate TD 8,337' @ 10:00 12/08/2014
Released Rig @

RIG NPT: 0 hours for previous 24 hrs., 21.5 hours for the month of January 2015

Completion Percentage: 100% Surface Hole Drilled, casing ran & cemented.
Completion Percentage: 100 % Intermediate Drilled, casing ran & cemented
Completion Percentage: 100% Curve completed Production Drilled
Completion Percentage: 72 % Lateral completed

Water Meter @ 2794 bbls 24hr Usage: 0 bbls. Total Used: 9361 bbls.

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie # 199
Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing.
Operator # 9 Carla

No Accidents, Incidents or Spills reported last 24hrs.

T,D Interm Section @ 8337'
Interm. Csg. Shoe @ 8315
Interm. Float Collar @ 8221'
Interm. DV Tool @ 6820'

Last Survey @ 17080' MD_89.19 INC_162.15 AZM_6' A_34' L_DLS: 4.15
Lithology: @ 17,120' 90% Shale, 10% LimeStone

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/29/2015 06:00	1/29/2015 06:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 16300' to 16311' (11' @ 22 fph). WOB 38k, 70 rpm, motor diff 600, 600 GPM, torque 20k.
1/29/2015 06:30	1/29/2015 07:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 16311' to 16331' (20' @ 40 fph). 180 GTF, WOB 20k, motor diff 100, 600 GPM, torque 4k.
1/29/2015 07:00	1/29/2015 08:00	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 16331' to 16437' (106' @ 106 fph). WOB 38k, 70 rpm, motor diff 700, 600 GPM, torque 22k.
1/29/2015 08:00	1/29/2015 09:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 16437' to 16457' (20' @ 20 fph). HS TF GTF, WOB 20k, motor diff 150, 600 GPM, torque 20k.
1/29/2015 09:00	1/29/2015 10:30	1.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 16457' to 16529' (72' @ 48 fph). 70 rpm, motor diff 650, 200 GPM, torque 22k.
1/29/2015 10:30	1/29/2015 12:00	1.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 16529' to 16549' (20' @ 13.3 fph). HS TF GTF, WOB 20k, motor diff 200, 600 GPM, torque 4k.
1/29/2015 12:00	1/29/2015 16:00	4	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 16549' to 16753' (204' @ 51 fph). WOB 38k, 70 rpm, motor diff 500, 600 GPM, torque 20k.
1/29/2015 16:00	1/29/2015 16:30	0.5	PLAN	EQUIP	RIGSER	Rig Service
1/29/2015 16:30	1/29/2015 17:30	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 16753' to 16773' (20' @ 40 fph). 180 TF GTF, WOB 20k, motor diff 200, 600 GPM, torque 3k.
1/29/2015 17:30	1/29/2015 20:00	2.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 16773' to 16879' (106' @ 42.4 fph). WOB 22k, 70 rpm, motor diff 550, 600 GPM, torque 22k.
1/29/2015 20:00	1/29/2015 21:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 16879' to 16899' (20' @ 20 fph). 180 GTF, WOB 26k, motor diff 220, 600 GPM, torque 3k.
1/29/2015 21:00	1/29/2015 23:00	2	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 16899' to 17037' (138' @ 69 fph). WOB 38k, 70 rpm, motor diff 400, 600 GPM, torque 19k.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/29/2015 23:00	1/29/2015 23:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 17037' to 17057' (20' @ 40 fph). 180 GTF, WOB 26k, motor diff 220, 600 GPM, torque 8k.
1/29/2015 23:30	1/30/2015 00:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 17057' to 17068' (11' @ 22 fph). WOB 38k, 70 rpm, motor diff 400, 600 GPM, torque 19k.
1/30/2015 00:00	1/30/2015 01:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 17068' to 17088' (20' @ 20 fph). 90 GTF, WOB 44k, motor diff 220, 600 GPM, torque 8k.
1/30/2015 01:00	1/30/2015 01:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 17088' to 17100' (12' @ 24 fph). WOB 38k, 70 rpm, motor diff 400, 600 GPM, torque 19k.
1/30/2015 01:30	1/30/2015 02:30	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 17100' to 17120' (20' @ 20 fph). 90 GTF, WOB 44k, motor diff 220, 600 GPM, torque 8k.
1/30/2015 02:30	1/30/2015 03:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 17120' to 17132' (12' @ 24 fph). WOB 38k, 70 rpm, motor diff 400, 600 GPM, torque 19k.
1/30/2015 03:00	1/30/2015 04:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 17132' to 17152' (20' @ 20 fph). 90 R GTF, WOB 44k, motor diff 220, 600 GPM, torque 8k.
1/30/2015 04:00	1/30/2015 05:00	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 17152' to 17195' (43' @ 43 fph). WOB 38k, 70 rpm, motor diff 400, 600 GPM, torque 19k.
1/30/2015 05:00	1/30/2015 06:00	1	PROD-DRILL TANGENT	DRILL PROD TANGENT-SLIDE	DRL-SLIDE	Slide from 17195' to 17205' (10' @ 10 fph). 90 R GTF, WOB 44k, motor diff 220, 600 GPM, torque 8k.

Report #: 39 Daily Operation: 1/30/2015 06:00 - 1/31/2015 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 033397
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
65	38	17,241.0	9,432.8	8.40	H & P, 637	

Operations Summary

Drld lateral 17205' to 17241' (36' @ 18 fph); 72% complete; 25% rot, 75% sldg; 36' left, 3' high; CBHT 169 F; plan, Circulate clean up cycles, TOO H from 17241' to 100' with no issues, lay down motor & bit, make up new bha #8 & bit #8 & test directional tools, TIH from 100' to 10,000

Lithology: @ 17,120' 80% Shale, 20% LimeStone

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014// Surface TD 17:00pm 11/29/14
Intermediate TD 8,337' @ 10:00 12/08/2014
Released Rig @

RIG NPT: 0 hours for previous 24 hrs., 21.5 hours for the month of January 2015

Completion Percentage: 100% Surface Hole Drilled, casing ran & cemented.

Completion Percentage: 100 % Intermediate Drilled, casing ran & cemented

Completion Percentage: 100% Curve completed Production Drilled

Completion Percentage: 72 % Lateral completed

Water Meter @ 24hr Usage: 0 bbls. Total Used: 9361 bbls.

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.

Operator Katie # 199

Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing.

Operator # 9 Carla

No Accidents, Incidents or Spills reported last 24hrs.

T,D Interm Section @ 8337'

Interm. Csg. Shoe @ 8315

Interm. Float Collar @ 8221'

Interm. DV Tool @ 6820'

Last Survey @ 17174' MD_87.31 INC_165.99 AZM_3' A_36' L_DLS: 4.5

Lithology: @ 17,120' 80% Shale, 20% LimeStone

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/30/2015 06:00	1/30/2015 06:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 17205' to 17226' (21' @ 42 fph). WOB 38k, 70 rpm, motor diff 400, 600 GPM, torque 18k.
1/30/2015 06:30	1/30/2015 07:30	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 17226' to 17237' (11' @ 11 fph). HS GTF, WOB 30k, motor diff 90, 600 GPM.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/30/2015 07:30	1/30/2015 10:30	3	PROD-CIRC	CIRCULATE	CIRC	Clean out cyle - Pump 2 x 30 bbl wt. sweeps bottoms up & reciprocate pipe
1/30/2015 10:30	1/30/2015 11:00	0.5	PROD-CIRC	CIRCULATE	CIRC	Slide from 17237' to 17241' (4' @ 8 fph). HS GTF, WOB 30k, motor diff 90, 600 GPM. (Atteempt to slide, only 2 FPH & differential @ 80 psi w/ 50 wob & also tried Rotating @ 15 - 20 FPH 48 w/ stack wt. on bit)
1/30/2015 11:00	1/30/2015 12:00	1	PROD-CIRC	CIRCULATE	CIRC	Circulate- build slug & Flow Check (Well Static)
1/30/2015 12:00	1/30/2015 18:00	6	PROD-TRIP	TRIP	TRIP	TOOH F/ 17241' to 4000' (Well Static- No tight spots, hole slick) Trip out hole f/ bit & mrt.
1/30/2015 18:00	1/30/2015 20:30	2.5	PROD-TRIP	TRIP	TRIP	Trip out of hole From 4000' to 100' and retrieve rotating head element.
1/30/2015 20:30	1/30/2015 21:00	0.5	PROD-TRIP	TRIP	TRIP	Drain motor, break bit and lay down mud motor & bit
1/30/2015 21:00	1/30/2015 21:30	0.5	PROD-TRIP	TRIP	TRIP	Clean rig floor of oil base mud
1/30/2015 21:30	1/30/2015 23:00	1.5	PROD-TRIP	TRIP	TRIP	Pick up motor, scribe motor, install new MWD.
1/30/2015 23:00	1/30/2015 23:30	0.5	PLAN	EQUIP	RIGSER	Service rig & top drive
1/30/2015 23:30	1/31/2015 01:00	1.5	PROD-TRIP	TRIP	TRIP	Make up one stand and test mwd tool, set stand back and make up bit # 8 (8 1/2" Security MMD55DC)
1/31/2015 01:00	1/31/2015 02:00	1	PROD-TRIP	TRIP	TRIP	Picked up one stand, review jsa & install rotating head element.
1/31/2015 02:00	1/31/2015 06:00	4	PROD-TRIP	TRIP	TRIP	Trip in hole from 100' to 10,000

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Report #: 40 Daily Operation: 1/31/2015 06:00 - 2/1/2015 06:00

Job Category ORIG DRILLING			Primary Job Type ODR		AFE Number 033397	
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
66	39	18,015.0	9,436.6	8.40	H & P, 637	

Operations Summary
TIH from 10,000' to 15,513', wash & ream tight hole from 15,513' to 17,191', relog gamma from 17,191' to 17,241', Drld lateral 17241' to 18015' (774' @ 49.9 fph); 80% complete; 55% rot, 45% sldg; 19' left, 15' low; CBHT 168 F; plan #5.

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014// Surface TD 17:00pm 11/29/14
Intermediate TD 8,337' @ 10:00 12/08/2014
Released Rig @

RIG NPT: 0 hours for previous 24 hrs., 21.5 hours for the month of January 2015

Completion Percentage: 100% Surface Hole Drilled, casing ran & cemented.
Completion Percentage: 100 % Intermediate Drilled, casing ran & cemented
Completion Percentage: 100% Curve completed Production Drilled
Completion Percentage: 72 % Lateral completed

Water Meter @ 24hr Usage: 0 bbls. Total Used: 9361 bbls.

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie # 199
Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing.
Operator # 9 Carla

No Accidents, Incidents or Spills reported last 24hrs.

T,D Interm Section @ 8337'
Interm. Csg. Shoe @ 8315
Interm. Float Collar @ 8221'
Interm. DV Tool @ 6820'

Last Survey @ 17837' MD_90.80 INC_166.46AZM_15' B_19' L_DLS: .77
Lithology: @ 17,870' 90% Shale, 10% LimeStone

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/31/2015 06:00	1/31/2015 10:00	4	PROD-TRIP	TRIP	TRIP	TIH f/10,00' - 15,513' (Well displace correct fluid/ No tight spots & fill every 30 stds.)
1/31/2015 10:00	1/31/2015 14:00	4	PLAN	WLCOND	RMWAS H	Wash & Ream f/15513' to 17241' (tight hole) & Log Gamma f/17191' to 17241' w/ Scientific Drilling
1/31/2015 14:00	1/31/2015 15:30	1.5	INT-DRILL-TAN	DRILL INT TANGENT-ROTATE	DRL-ROT	Rotate from 17241' to 17320' (79' @ 53 fph). WOB 30k, 70 rpm, motor diff 550, 600 GPM, torque 20k.
1/31/2015 15:30	1/31/2015 16:30	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 17320' to 17340' (20' @ 20 fph). 90 R GTF, WOB 25k, motor diff 200, 600 GPM.
1/31/2015 16:30	1/31/2015 17:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 17340' to 17415' (75' @ 150 fph). WOB 38k, 70 rpm, motor diff 550, 600 GPM, torque 20k.
1/31/2015 17:00	1/31/2015 17:30	0.5	PLAN	EQUIP	RIGSER	Rig Service
1/31/2015 17:30	1/31/2015 19:00	1.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 17415' to 17425' (10' @ 6.7 fph). 30 R GTF, WOB 25k, motor diff 200, 600 GPM.
1/31/2015 19:00	1/31/2015 19:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 17425' to 17510' (85' @ 170 fph). WOB 38k, 70 rpm, motor diff 550, 600 GPM, torque 22k.
1/31/2015 19:30	1/31/2015 21:00	1.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 17510' to 17530' (20' @ 13.3 fph). HS GTF, WOB 50k, motor diff 200, 600 GPM.
1/31/2015 21:00	1/31/2015 22:00	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 17530' to 17605' (75' @ 75 fph). WOB 38k, 70 rpm, motor diff 600, 600 GPM, torque 22k.
1/31/2015 22:00	1/31/2015 22:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 17605' to 17616' (11' @ 22 fph). HS GTF, WOB 50k, motor diff 150, 600 GPM.
1/31/2015 22:30	1/31/2015 23:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 17616' to 17621' (5' @ 10 fph). WOB 38k, 70 rpm, motor diff 600, 600 GPM, torque 22k.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
1/31/2015 23:00	2/1/2015 00:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 17621' to 17641' (20' @ 20 fph). HS GTF, WOB 50k, motor diff 150, 600 GPM.
2/1/2015 00:00	2/1/2015 00:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 17641' to 17667' (26' @ 52 fph). WOB 38k, 70 rpm, motor diff 650, 600 GPM, torque 22k.
2/1/2015 00:30	2/1/2015 01:00	0.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 17667' to 17687' (20' @ 40 fph). HS GTF, WOB 50k, motor diff 150, 600 GPM.
2/1/2015 01:00	2/1/2015 04:00	3	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 17687' to 17888' (201' @ 67 fph). WOB 25k, 70 rpm, motor diff 450, 600 GPM.
2/1/2015 04:00	2/1/2015 05:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 17888' to 17908' (20' @ 20 fph). HS GTF, WOB 50k, motor diff 150, 600 GPM.
2/1/2015 05:00	2/1/2015 06:00	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 17908' to 18015' (107' @ 107 fph). WOB 25k, 70 rpm, motor diff 450, 600 GPM, torque 22k.

Report #: 41 Daily Operation: 2/1/2015 06:00 - 2/2/2015 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 033397	
Days From Spud (days) 67	Days on Location (days) 40	End Depth (ftKB) 19,139.0	End Depth (TVD) (ftKB) 9,414.7	Dens Last Mud (lb/gal) 8.40	Rig H & P, 637		

Operations Summary

Drld lateral 18015' to 19139' (1124' @ 47.8 fph); 92% complete; 60% rot, 40% sldg; 35' left, 1' low; CBHT 170 F; plan #5.

Lithology: @ 18,950' 80% Shale, 20% LimeStone

Last Survey @ 19068 MD_89.56 INC_167.06AZM_1' B_35' L_DLS: .62

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)

Rig started arriving from Houston yard 11/18/14 @ 12:00pm

Accepted rig on day work: 13:00hrs 11/26/2014

Spud In @ 23:30hrs 11/26/2014/ Surface TD 17:00pm 11/29/14

Intermediate TD 8,337' @ 10:00 12/08/2014

Released Rig @

RIG NPT: 0 hours for previous 24 hrs., 21.5 hours for the month of January 2015

Completion Percentage: 100% Surface Hole Drilled, casing ran & cemented.

Completion Percentage: 100 % Intermediate Drilled, casing ran & cemented

Completion Percentage: 100% Curve completed Production Drilled

Completion Percentage: 92 % Lateral completed

Water Meter @ 24hr Usage: 0 bbls. Total Used: 9361 bbls.

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.

Operator Katie # 199

Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing.

Operator # 9 Carla

No Accidents, Incidents or Spills reported last 24hrs.

T,D Interm Section @ 8337'

Interm. Csg. Shoe @ 8315

Interm. Float Collar @ 8221'

Interm. DV Tool @ 6820'

Last Survey @ 19068 MD_89.56 INC_167.06AZM_1' B_35' L_DLS: .62

Lithology: @ 18,950' 80% Shale, 20% LimeStone

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/1/2015 06:00	2/1/2015 10:30	4.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 18015' to 18362' (347' @ 77 fph). WOB 25k, 70 rpm, motor diff 450, 600 GPM, torque 17k.
2/1/2015 10:30	2/1/2015 12:00	1.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 18362' to 18382' (20' @ 13.3 fph). 30 R GTF, WOB 30k, motor diff 150, 600 GPM.
2/1/2015 12:00	2/1/2015 13:30	1.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 18382' to 18456' (74' @ 49.3 fph). WOB 25k, 70 rpm, motor diff 450, 600 GPM, torque 15k.
2/1/2015 13:30	2/1/2015 15:30	2	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 18456' to 18476' (20' @ 10 fph). 90 R GTF, WOB 30k, motor diff 150, 600 GPM.
2/1/2015 15:30	2/1/2015 16:30	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 18476' to 18551' (75' @ 75 fph). WOB 25k, 70 rpm, motor diff 350, 600 GPM, torque 15k.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/1/2015 16:30	2/1/2015 17:00	0.5	PLAN	EQUIP	RIGSER	Rig Service
2/1/2015 17:00	2/1/2015 18:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 18551' to 18571' (20' @ 20 fph). 90 R GTF, WOB 30k, motor diff 150, 600 GPM.
2/1/2015 18:00	2/1/2015 19:00	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 18571' to 18646' (75' @ 75 fph). WOB 16k, 70 rpm, motor diff 400, 600 GPM, torque 16k.
2/1/2015 19:00	2/1/2015 20:30	1.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 18646' to 18666' (20' @ 13.3 fph). 45 GTF, WOB 21k, motor diff 100, 600 GPM.
2/1/2015 20:30	2/1/2015 23:00	2.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 18666' to 18835' (169' @ 68 fph). WOB 23k, 70 rpm, motor diff 350, 600 GPM, torque 16k.
2/1/2015 23:00	2/2/2015 00:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 18835' to 18855' (20' @ 20 fph). 30 GTF, WOB 21k, motor diff 100, 600 GPM.
2/2/2015 00:00	2/2/2015 01:00	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 18855' to 18929' (74' @ 74 fph). WOB 13k, 70 rpm, motor diff 350, 600 GPM, torque 16k.
2/2/2015 01:00	2/2/2015 02:00	1	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 18929' to 18944' (15' @ 15 fph). 60 GTF, WOB 21k, motor diff 100, 600 GPM.
2/2/2015 02:00	2/2/2015 04:30	2.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 18944' to 19119' (175' @ 70 fph). WOB 19k, 70 rpm, motor diff 350, 600 GPM, torque 16k.
2/2/2015 04:30	2/2/2015 06:00	1.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 19119' to 19139' (20' @ 13.3 fph). hs GTF, WOB 21k, motor diff 100, 600 GPM.

Report #: 42 Daily Operation: 2/2/2015 06:00 - 2/3/2015 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 033397	
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig		
68	41	19,913.0	9,424.4	8.50	H & P, 637		

Operations Summary

Drld lateral 19139' to 19913' (774' @ 40.7 fph); 100% complete @ 01:00 hrs 02/03/2015; 42% rot, 58% sldg; 3' left, 17' low; CBHT 180 F; plan #5., Circulate clean up cycles 2 bottoms up & two weighted sweeps, Check flow & pump slug, TOOH @ 17,500' with no issues, Lithology: @ 19,910' 90% Shale, 10% LimeStone, Last Survey @ 19,862' MD_88.08 INC_166.25 AZM_17' B_3' L_DLS: 10.6
T.D. LATERAL @ 1:00 AM 02-03-15

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014// Surface TD 17:00pm 11/29/14
Intermediate TD 8,337' @ 10:00 12/08/2014
Released Rig @

RIG NPT: 0 hours for previous 24 hrs., 21.5 hours for the month of January 2015

Completion Percentage: 100% Surface Hole Drilled, casing ran & cemented.
Completion Percentage: 100 % Intermediate Drilled, casing ran & cemented
Completion Percentage: 100% Curve completed Production Drilled
Completion Percentage: 100% Lateral completed

Water Meter @ 24hr Usage: 0 bbls. Total Used: 9361 bbls.

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie # 199
Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing.
Operator # 9 Carla

No Accidents, Incidents or Spills reported last 24hrs.

T,D Interm Section @ 8337'
Interm. Csg. Shoe @ 8315
Interm. Float Collar @ 8221'
Interm. DV Tool @ 6820'

Last Survey @ 19,862' MD_88.08 INC_166.25 AZM_17' B_3' L_DLS: 10.6
Lithology: @ 19,910' 90% Shale, 10% LimeStone

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/2/2015 06:00	2/2/2015 11:00	5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 19139' to 19497' (358' @ 72 fph). WOB 25k, 70 rpm, motor diff 400, 600 GPM, torque 17k.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/2/2015 11:00	2/2/2015 13:00	2	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 19497' to 19517' (20' @ 10 fph). HS GTF, WOB 35k, motor diff 200, 600 GPM.
2/2/2015 13:00	2/2/2015 14:30	1.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 19517' to 19686' (169' @ 113 fph). , WOB 38k, 70 rpm, motor diff 700, 600 GPM, torque 22k.
2/2/2015 14:30	2/2/2015 20:00	5.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 19686' to 19720' (34' @ 6.2 fph). HS GTF, WOB 35k, motor diff 200, 600 GPM.
2/2/2015 20:00	2/2/2015 20:30	0.5	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 19720' to 19781' (61' @ 122 fph). WOB 25k, 70 rpm, motor diff 400, 600 GPM, torque 19k.
2/2/2015 20:30	2/3/2015 00:00	3.5	PROD-DRILL LATERAL	DRILL LATERAL-SLIDE	DRL LAT-SLIDE	Slide from 19781' to 19801' (20' @ 5.7 fph). HS GTF, WOB 50k, motor diff 120, 600 GPM.
2/3/2015 00:00	2/3/2015 01:00	1	PROD-DRILL LATERAL	DRILL LATERAL-ROTATE	DRL LAT-ROT	Rotate from 19801' to 19913' (112' @ 112 fph). WOB 25k, 70 rpm, motor diff 400, 600 GPM, torque 19k.
2/3/2015 01:00	2/3/2015 04:30	3.5	PROD-CIRC	CIRCULATE	CIRC	Clean out cyle - Pump 2 x 30 bbl wt. sweeps bottoms up & reciprocate pipe, check flow & pump slug.
2/3/2015 04:30	2/3/2015 06:00	1.5	PROD-TRIP	TRIP	TRIP	Trip out of hole@ 17,500' with no issues

Report #: 43 Daily Operation: 2/3/2015 06:00 - 2/4/2015 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 033397
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
69	42	19,913.0	9,424.4	8.50	H & P, 637	

Operations Summary

POOH f/ 17500' to 8300' @ csg. shoe (well static, no tight spots) L/D D.P. f/8300' to 100' / L/D BHA w/ Scientific D.D. - TIH f/ 0' to 8000', Lay down drill pipe from 8,000' to 4,000', TIH with remaining pipe from derrick from 4,000' to 7,961', Lay down drill pipe from 7,961' to 7,400'

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014// Surface TD 17:00pm 11/29/14
Intermediate TD 8,337' @ 10:00 12/08/2014
Released Rig @

RIG NPT: 0 hours for previous 24 hrs., 21.5 hours for the month of January 2015

Completion Percentage: 100% Surface Hole Drilled, casing ran & cemented.
Completion Percentage: 100 % Intermediate Drilled, casing ran & cemented
Completion Percentage: 100% Curve completed Production Drilled
Completion Percentage: 100% Lateral completed

Water Meter @ 24hr Usage: 0 bbls. Total Used: 9361 bbls.

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie # 199
Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing.
Operator # 9 Carla

No Accidents, Incidents or Spills reported last 24hrs.

T,D Interm Section @ 8337'
Interm. Csg. Shoe @ 8315
Interm. Float Collar @ 8221'
Interm. DV Tool @ 6820'
T.D. LATERAL @ 1:00 AM 02-03-15

Last Survey @ 19,862' MD_88.08 INC_166.25 AZM_17' B_3' L_DLS: 10.6
Lithology: @ 19,910' 90% Shale, 10% LimeStone

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/3/2015 06:00	2/3/2015 11:30	5.5	PROD-TRIP	TRIP	TRIP	POOH f/ 17500' to 8300' @ csg. shoe (well static, no tight spots)
2/3/2015 11:30	2/3/2015 13:30	2	PROD-TRIP	TRIP	TRIP	L/D D.P. f/ 8300' to 5673' w/ pipe wrangler
2/3/2015 13:30	2/3/2015 14:00	0.5	PLAN	EQUIP	RIGSER	Rig Service

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/3/2015 14:00	2/3/2015 17:30	3.5	PROD-TRIP	TRIP	TRIP	L/D D.P. f/ 5673' to 100' w/ pipe wrangler
2/3/2015 17:30	2/3/2015 18:00	0.5	PLAN	EQUIP	RURDRT	Remove Rot. & Install trip nipple
2/3/2015 18:00	2/3/2015 20:30	2.5	PROD-TRIP	TRIP	TRIP	Review jsa, drain motor, break bit, pull mwd tool, lay down subs, monel collars and lay down motor
2/3/2015 20:30	2/3/2015 21:00	0.5	PROD-TRIP	TRIP	TRIP	Clean rig floor of oil bsae mud
2/3/2015 21:00	2/4/2015 01:00	4	PROD-TRIP	TRIP	TRIP	Make up bit & trip in hole with pipe from derrick from surface 0' to 8,000'
2/4/2015 01:00	2/4/2015 04:00	3	PROD-TRIP	TRIP	TRIP	Lay down drill string from 8,000' to 4,000'
2/4/2015 04:00	2/4/2015 05:30	1.5	PROD-TRIP	TRIP	TRIP	Trip in hole from 4,000' to 7,961'
2/4/2015 05:30	2/4/2015 06:00	0.5	PROD-TRIP	TRIP	TRIP	Lay down drill string from 7,961' to 7,400'

Report #: 44 Daily Operation: 2/4/2015 06:00 - 2/5/2015 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 033397
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
70	43	19,913.0	9,424.4	8.50	H & P, 637	

Operations Summary

L/D drill string from 7,400' to surface. Retrieve wear bushing pulled 50 k to free wear bushing. Safety Meeting with all csg. tools reps. & Rig up all csg. tools. M/U float equipment & Run 5 1/2" production casing to 1500', change out casing tongs, Ran a total of 185 joints of 5 1/2", 20.00ppf, P-110IC, TXP-BTC to 7,856'

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014// Surface TD 17:00pm 11/29/14
Intermediate TD 8,337' @ 10:00 12/08/2014
Released Rig @ 1:00 am 2-3-15

RIG NPT: 0 hours for previous 24 hrs., 21.5 hours for the month of January 2015

Completion Percentage: 100% Surface Hole Drilled, casing ran & cemented.
Completion Percentage: 100 % Intermediate Drilled, casing ran & cemented
Completion Percentage: 100% Curve completed Production Drilled
Completion Percentage: 100% Lateral completed

Water Meter @ 24hr Useage: 0 bbls. Total Used: 9361 bbls.

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie # 199
Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing.
Operator # 9 Carla

No Accidents, Incidents or Spills reported last 24hrs.

T,D Interm Section @ 8337'
Interm. Csg. Shoe @ 8315
Interm. Float Collar @ 8221'
Interm. DV Tool @ 6820'
T.D. LATERAL @ 1:00 AM 02-03-15

Last Survey @ 19,862' MD 88.08 INC 166.25 AZM 17' B_3' L_DLS: 10.6
Lithology: @ 19,910' 90% Shale, 10% LimeStone

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/4/2015 06:00	2/4/2015 12:30	6.5	PLAN	EQUIP	DPIPE	L/D D.P. f/ 7400' to 0' w/ pipe wrangler / Break out 8.5" bit, sub & XO Sub. (well static)
2/4/2015 12:30	2/4/2015 15:00	2.5	PLAN	EQUIP	DPIPE	P/U 1 jt. of D.P. & pull wear bushing / bushing was tight pull 50k to break lose. Close blind rams, cover hole, Clean floor.
2/4/2015 15:00	2/4/2015 15:30	0.5	PLAN	PERS	SFTY	Safety Meeting on R/U Csg. Tools

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/4/2015 15:30	2/4/2015 17:00	1.5	PROD-CASE	RUN PRODUCTION CASING	CASE	Rig up all Csg. Tools on floor.
2/4/2015 17:00	2/4/2015 18:00	1	PROD-CASE	RUN PRODUCTION CASING	CASE	M/U Float equipment (2-jts. shoe track) & check float equipment (ok) & P/U Coach Gun Production Tool w/ Tool Rep.
2/4/2015 18:00	2/4/2015 21:30	3.5	PROD-CASE	RUN PRODUCTION CASING	CASE	Ran 36 jts of 5 1/2", P-110 IC, 20 ppf TXP-BTC, f/ 90' to 1,500'
2/4/2015 21:30	2/4/2015 22:00	0.5	UNPLAN	OTHR	U_OTR	Change out Pipe Pros power tongs
2/4/2015 22:00	2/5/2015 06:00	8	PROD-CASE	RUN PRODUCTION CASING	CASE	Ran 185 total jts of 5 1/2", P-110 IC, 20 ppf TXP-BTC, f/ 1,500' to 7,856' (Fill Pipe every 1800 ft.)

Report #: 45 Daily Operation: 2/5/2015 06:00 - 2/6/2015 06:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 033397
Days From Spud (days) 71	Days on Location (days) 44	End Depth (ftKB) 19,913.0	End Depth (TVD) (ftKB) 9,424.4	Dens Last Mud (lb/gal) 8.50	Rig H & P, 637	

Operations Summary

Ran 469 total joints of 5 1/2", 20.0 ppf. P-110IC, TXP-BTC., Set casing @ 19,894', Washed last 5 stands to bottom with no issues, Circulate casing volume, rig down casing crew, Safety meeting with cementers, Cementing production casing with Schlumberger
Landed casing Shoe @ 19,894', Float Collar @19,803', Coach Gun @ 19,732'
Cementing with Schlumberger @ 19,894', Pressure test cement lines to 5000 Psi - Pump cement as follows: 20 bbls visc. water, Mudpush Spacer: 240 bbls, 9.5 lb/gal, Lead Cement: 92 bbls (165 sx), 11.0 ppg, 3.01 yield. 75.013 lb/sk Cement, Mix water 17.894 gal/sk, Mix Fluid 17.894 gal/sk, Tail cement 530 bbls (1560 sx.), 12.5 ppg, 1.91 yield,

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014// Surface TD 17:00pm 11/29/14
Intermediate TD 8,337' @ 10:00 12/08/2014
Released Rig @ 1:00 am 2-3-15

RIG NPT: 0 hours for previous 24 hrs., 21.5 hours for the month of January 2015

Completion Percentage: 100% Surface Hole Drilled, casing ran & cemented.
Completion Percentage: 100 % Intermediate Drilled, casing ran & cemented
Completion Percentage: 100% Curve completed Production Drilled
Completion Percentage: 100% Lateral completed

Water Meter @ 24hr Usage: 0 bbls. Total Used: 9361 bbls.

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie # 199
Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing.
Operator # 9 Carla
Notified Texas RRC 2/5/15 with intent to run and cement 5 1/2" production casing.
Operator # 2 Audrey

No Accidents, Incidents or Spills reported last 24hrs.

T,D Interm Section @ 8337'
Interm. Csg. Shoe @ 8315
Interm. Float Collar @ 8221'
Interm. DV Tool @ 6820'

T.D. LATERAL @ 1:00 AM 02-03-15
Landed casing Shoe @ 19,894', Float Collar @19,803', Coach Gun @ 19,732'

Last Survey @ 19,862' MD_88.08 INC_166.25 AZM_17' B_3' L_DLS: 10.6
Lithology: @ 19,910' 90% Shale, 10% LimeStone

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/5/2015 06:00	2/5/2015 06:30	0.5	PLAN	DRLG	CSG	Ran 18 jts. 5 1/2", P-110 IC, 20 ppf TXP-BTC, f/ 7856' to 8639' (Fill Pipe every 1800 ft.) Well disp. correct fluid, No tight spots
2/5/2015 06:30	2/5/2015 07:30	1	PLAN	DRLG	CSG	Circulate bottoms up @ KOP @ 8682'

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/5/2015 07:30	2/5/2015 15:00	7.5	PLAN	DRLG	CSG	Run 132 jts. of 5 1/2", P-110 IC, 20 ppf TXP-BTC, f/ 8639' to 14284' (Fill Pipe every 1800 ft.) 351 Total jts. in hole Well disp. correct fluid, No tight spots / 351 jts. Total in hole
2/5/2015 15:00	2/5/2015 23:30	8.5	PROD-CASE	RUN PRODUCTION CASING	CASE	Ran 5 1/2", P-110 IC, 20 ppf TXP-BTC, f/ 14,284' to 19,894' (Fill Pipe every 1800 ft.) 469 Total jts. in hole, Well disp. correct fluid, No tight spots / Wash last 5 stands to bottom with no issues, Landed casing @ 19,894', float collar @ 19,803', Coach Gun @ 19,732'
2/5/2015 23:30	2/6/2015 01:00	1.5	PROD-CIRC	CIRCULATE	CIRC	Circulate with CRT tool 1 casing volume, rig down casing crew and torque turn
2/6/2015 01:00	2/6/2015 02:30	1.5	PROD-CMT	CEMENT PRODUCTION CASTING	CMT	Safety meeting with Schlumberger cementers & rig personnel & rig up cementers
2/6/2015 02:30	2/6/2015 06:00	3.5	PROD-CMT	CEMENT PRODUCTION CASTING	CMT	Cementing with Schlumberger @ 19,894', Pressure test cement lines to 5000 Psi - Pump cement as follows: 20 bbls visc. water, Mudpush Spacer: 240 bbls, 9.5 lb/gal, Lead Cement: 92 bbls (165 sx), 11.0 ppg, 3.01 yield. 75.013 lb/sk Cement, Mix water 17.894 gal/sk, Mix Fluid 17.894 gal/sk, Tail cement 530 bbls (1560 sx.), 12.5 ppg, 1.91 yield, 56.410 lb/sk Cement, Mix water 10.178 gal/sk, Mix fluid 10.178 gal/sk, Mix water Density 8.33 ppg. Plug loaded, and pumped down witnessed by Co. Man, Cementer, & Coach gun rep. , Displace w/ 438 bbl fresh water, Calculated displacement was 439 bbls + half of shoe track 1.0 bbl, plug bumped on time. Returns through cement job, Bumped plug (Yes) from 1527 psi to 2086 psi . floats held, got 3 bbls of displacement back after bleed off. (Note still cementing and will finish cement report on todays report) *** TRRC notified of intent to run & cement 19,894' of production casing 2-5-15, Spoke with Audry operator # 2 ***

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Report #: 46 Daily Operation: 2/6/2015 06:00 - 2/7/2015 06:00

Job Category ORIG DRILLING				Primary Job Type ODR			AFE Number 033397	
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig			
72	45	19,913.0	9,424.4	8.50	H & P, 637			

Operations Summary

Finish cementing - Cementing with Schlumberger @ 19,894', Pressure test cement lines to 5000 Psi - Pump cement as follows: 20 bbls visc. water, Mudpush Spacer: 240 bbls, 9.5 lb/gal, Lead Cement: 92 bbls (165 sx), 11.0 ppg, 3.01 yield. 75.013 lb/sk Cement, Mix water 17.894 gal/sk, Mix Fluid 17.894 gal/sk, Tail cement 530 bbls (1560 sx), 12.5 ppg, 1.91 yield, 56.410 lb/sk Cement, Mix water 10.178 gal/sk, Mix fluid 10.178 gal/sk, Mix water Density 8.33 ppg. Plug loaded, and pumped down witnessed by Co. Man, Cementer, & Coach gun rep. , Displace w/ 437 bbl fresh water, Calculated displacement was 439 bbls + half of shoe track 1.0 bbl, plug bumped on time. Returns through cement job, Bumped plug (Yes) from 1527 psi to 2086 psi . floats held, got 3 bbls of displacement back after bleed off. R/D cementers, Install pack off, Flush thru mud lines, clean mud tanks, nipple down bop stack, install abandonment cap, Break bolts on annular, double set rams, mud cross, single set ram, Break bolts on bonnet doors on rams remove VBR, clean and grease rams in stack Continue cleaning mud tanks & open top tanks with Sprint, pressure wash bop stack, pull valves, seats, swabs & liners from mud pumps, rig down bails and elevators from top drive. Continue pressure washing the rig. Rig Release on @ 6:00 am 2-7-2015

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014// Surface TD 17:00pm 11/29/14
Intermediate TD 8,337' @ 10:00 12/08/2014
Released Rig @ 1:00 am 2-3-15

RIG NPT: 0 hours for previous 24 hrs., 21.5 hours for the month of January 2015

Completion Percentage: 100% Surface Hole Drilled, casing ran & cemented.
Completion Percentage: 100 % Intermediate Drilled, casing ran & cemented
Completion Percentage: 100% Curve completed Production Drilled
Completion Percentage: 100% Lateral completed

Water Meter @ 24hr Usage: 0 bbls. Total Used: 9361 bbls.

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie # 199
Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing.
Operator # 9 Carla
Notified Texas RRC 2/5/15 with intent to run and cement 5 1/2" production casing.
Operator # 2 Audrey

No Accidents, Incidents or Spills reported last 24hrs.

T,D Interm Section @ 8337'
Interm. Csg. Shoe @ 8315
Interm. Float Collar @ 8221'
Interm. DV Tool @ 6820'

T.D. LATERAL @ 1:00 AM 02-03-15
Landed casing Shoe @ 19,894', Float Collar @ 19,803', Coach Gun @ 19,732'
Rig Release @ 6:00 am 2-07-15

Last Survey @ 19,862' MD_88.08 INC_166.25 AZM_17' B_3' L_DLS: 10.6
Lithology: @ 19,910' 90% Shale, 10% LimeStone

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/6/2015 06:00	2/6/2015 08:30	2.5	PROD-CMT	CEMENT PRODUCTION CASTING	CMT	Cementing with Schlumberger @ 19,894', Pressure test cement lines to 5000 Psi - Pump cement as follows: 20 bbls visc. water, Mudpush Spacer: 240 bbls, 9.5 lb/gal, Lead Cement: 92 bbls (165 sx), 11.0 ppg, 3.01 yield. 75.013 lb/sk Cement, Mix water 17.894 gal/sk, Mix Fluid 17.894 gal/sk, Tail cement 530 bbls (1560 sx), 12.5 ppg, 1.91 yield, 56.410 lb/sk Cement, Mix water 10.178 gal/sk, Mix fluid 10.178 gal/sk, Mix water Density 8.33 ppg. Plug loaded, and pumped down witnessed by Co. Man, Cementer, & Coach gun rep. , Displace w/ 437 bbl fresh water, Calculated displacement was 439 bbls + half of shoe track 1.0 bbl, plug bumped on time. Returns through cement job, Bumped plug (Yes) from 1527 psi to 2086 psi . floats held, got 3 bbls of displacement back after bleed off. *** TRRC notified of intent to run & cement 19,894' of production casing 2 -5-15, Spoke with Audry operator # 2 ***

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/6/2015 08:30	2/6/2015 09:00	0.5	PROD-CMT	CEMENT PRODUCTION CASTING	CMT	Review jsa & rig down Schlumberger
2/6/2015 09:00	2/6/2015 11:30	2.5	PROD-NU/TEST	NIPPLE UP/TEST	NU/TEST	Drain stack, back out landing joint, make up & set pack off
2/6/2015 11:30	2/6/2015 13:30	2	PROD-NU/TEST	NIPPLE UP/TEST	NU/TEST	Flush thru stack, flowline, choke manifold, gas buster, stand pipe & trip tank lines
2/6/2015 13:30	2/6/2015 16:00	2.5	PROD-NU/TEST	NIPPLE UP/TEST	NU/TEST	Remove mouse hole, rig down pollution pan, turn buckles, flowline, remove trip nipple, connect bop handler to stack.
2/6/2015 16:00	2/6/2015 18:00	2	PROD-NU/TEST	NIPPLE UP/TEST	NU/TEST	Review jsa, bleed off accumulator, remove koomy lines & pin for transport, nipple down coflex line, break bolts on spacer spool, dsa & rotating head, lay down rotating head, orbit valve, lift stack and trac bop stack out of the way.
2/6/2015 18:00	2/7/2015 00:00	6	PROD-NU/TEST	NIPPLE UP/TEST	NU/TEST	Break bolts on annular, double set rams, mud cross, single set ram, Break bolts on bonnet doors on rams remove VBR, clean and grease rams in stack Continue cleaning mud tanks & open top tanks with Sprint.
2/7/2015 00:00	2/7/2015 06:00	6	PROD-NU/TEST	NIPPLE UP/TEST	NU/TEST	Pressure wash inside of bop stack, pull valves, seats, swabs & liners from mud pumps, rig down bails and elevators from top drive.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Report #: 47 Daily Operation: 2/7/2015 06:00 - 2/8/2015 06:00

Job Category ORIG DRILLING			Primary Job Type ODR		AFE Number 033397
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
73	46	19,913.0	9,424.4	8.50	

Operations Summary

Continue pressure washing rig, PJSM with Suarez Brothers on rigging down(Suarez Brothers Trucking on location @ 11:00 am w/ 1 crane, 2 haul trucks, 1 big forklift, 2 pole trucks & Rig down gas buster, choke, trip tank, 2 mud tanks, & set on racks to clean on base, Suarez Bros. Move Thomas Fuel upright tanks to front on location & bulk tanks also. Suares Bros. Trucking stop working about 6:30 pm.) Close bonnet doors on bop and tighten bolts, track bop back to transport position & pin stack, lower gas buster, bulk tanks, diesel tank, lower shale shaker skid, flowline manifold, disconnect electrical lines to mud tanks, move trip tanks, mud tanks and set aside to pressure wash, rig down degasser, hand rails on mud tanks, break line on mud tanks, remove expansion joints from mud tanks, rigged down & gather all rental equipment on location. Rig up preachers stand to skid rig back to mud boat and pin same, rig down preachers stand, remove filters from top drive, dock top drive, pin boom poles, unspool drawworks, rig down and roll up hoist lines, clean out pulsation dampners on mud pumps. Continue pressure washing on the rig. (Broke tour @ 00:00)

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014// Surface TD 17:00pm 11/29/14
Intermediate TD 8,337' @ 10:00 12/08/2014
Released Rig @ 1:00 am 2-3-15

RIG NPT: 0 hours for previous 24 hrs., 21.5 hours for the month of January 2015

Completion Percentage: 100% Surface Hole Drilled, casing ran & cemented.
Completion Percentage: 100 % Intermediate Drilled, casing ran & cemented
Completion Percentage: 100% Curve completed Production Drilled
Completion Percentage: 100% Lateral completed

Water Meter @ 24hr Usage: 0 bbls. Total Used: 9361 bbls.

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie # 199
Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing.
Operator # 9 Carla
Notified Texas RRC 2/5/15 with intent to run and cement 5 1/2" production casing.
Operator # 2 Audrey

No Accidents, Incidents or Spills reported last 24hrs.

T,D Interm Section @ 8337'
Interm. Csg. Shoe @ 8315
Interm. Float Collar @ 8221'
Interm. DV Tool @ 6820'

T.D. LATERAL @ 1:00 AM 02-03-15
Landed casing Shoe @ 19,894', Float Collar @ 19,803', Coach Gun @ 19,732'
Rig Release @ 6:00 am 2-07-15

Last Survey @ 19,862' MD 88.08 INC 166.25 AZM 17' B 3' L_DLS: 10.6
Lithology: @ 19,910' 90% Shale, 10% LimeStone

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/7/2015 06:00	2/7/2015 18:00	12	MOBILIZATION	RDMO	RDMO	Continue pressure washing rig, PJSM with Suarez Brothers on rigging down, Close bonnet doors on bop and tighten bolts, track bop back to transport position & pin stack, lower gas buster, bulk tanks, diesel tank, lower shale shaker skid, flowline manifold, disconnect electrical lines to mud tanks, move trip tanks, mud tanks and set aside to pressure wash, rig down degasser, hand rails on mud tanks, break line on mud tanks, remove expansion joints from mud tanks, rigged down & gather all rental equipment on location.
2/7/2015 18:00	2/8/2015 00:00	6	MOBILIZATION	RDMO	RDMO	Rig up preachers stand to skid rig back to mud boat and pin same, rig down preachers stand, remove filters from top drive, dock top drive, pin boom poles, unspool drawworks, rig down and roll up hoist lines, clean out pulsation dampners on mud pumps. Continue pressure washing on the rig. (Broke tour @ 00:00)

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Report #: 48 Daily Operation: 2/8/2015 06:00 - 2/9/2015 06:00

Job Category ORIG DRILLING			Primary Job Type ODR		AFE Number 033397
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
74	47	19,913.0	9,424.4	8.50	

Operations Summary

Continue pressure washing rig w/ 2 wash crews, total of 8 washhands & 1 Supervisor, 24/7. PJSM with Suarez Bros. Trucking, H & P hands, Sprint Energy wash crews & PNR Co. Reps. on rigging down, washing & haul loads. Suarez Bros. Trucking arrived on location @ 6:30 am w/1 crane, 6 haul trucks, 1 big forklift, 2 pole trucks, 1 tandem, & 2 bobtail trucks to haul derrick. Suarez Bros. Trucking had 1- Tandem Truck, 1 Crane, 1 Forklift & 1 Pole Truck @ H&P Yard to unload trucks & set up rig. One Truck hauled 19 jts. of 5" D.P. & 6"x8" X-Over Sub to Triumph Downhole & Inspection Service Yard. Disconnect electrical lines to pumps, rig floor, MCC house, diesel tank & all 3 Generators house. Rig down V-door, rig floor, mud pumps, 3 Generators houses, Air comp/ Lubetster skid, VFD house, Water Tank, & Diesel Tank, Lowered Derrick mask down @ 15:00 & Lowered Driller Cabin @ 17:00. Haul in Shaker Skid, Trip Tank/ choke skid, 450 bbl. Water Tank, 2 Mud Tanks, MCC house & 1 Mudpump to H&P Yard. Sun Cost Fuels, pumped out 5336 gals of diesel out of Rig diesel tank & credit back to Pioneer. Thomas Fuel upright tank on location & M.I. Swaco bulk tanks also have been pick up & hauled off. Suares Bros. Trucking stop working about 18:45 pm.

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014// Surface TD 17:00pm 11/29/14
Intermediate TD 8,337' @ 10:00 12/08/2014
Released Rig @ 1:00 am 2-3-15

RIG NPT: 0 hours for previous 24 hrs., 21.5 hours for the month of January 2015

Completion Percentage: 100% Surface Hole Drilled, casing ran & cemented.
Completion Percentage: 100 % Intermediate Drilled, casing ran & cemented
Completion Percentage: 100% Curve completed Production Drilled
Completion Percentage: 100% Lateral completed

Water Meter @ 24hr Usage: 0 bbls. Total Used: 9361 bbls.

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie # 199
Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing.
Operator # 9 Carla
Notified Texas RRC 2/5/15 with intent to run and cement 5 1/2" production casing.
Operator # 2 Audrey

No Accidents, Incidents or Spills reported last 24hrs.

T,D Interm Section @ 8337'
Interm. Csg. Shoe @ 8315
Interm. Float Collar @ 8221'
Interm. DV Tool @ 6820'

T.D. LATERAL @ 1:00 AM 02-03-15
Landed casing Shoe @ 19,894', Float Collar @19,803', Coach Gun @ 19,732'
Rig Release @ 6:00 am 2-07-15

Last Survey @ 19,862' MD_88.08 INC_166.25 AZM_17' B_3' L_DLS: 10.6
Lithology: @ 19,910' 90% Shale, 10% LimeStone

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/8/2015 06:00	2/8/2015 18:00	12	MOBILIZATION	RDMO	RDMO	Continue pressure washing rig w/ 2 wash crews, total of 8 washhands & 1 Supervisor, 24/7. PJSM with Suarez Bros, Trucking, H & P hands, Sprint Energy wash crews & PNR Co. Reps. on rigging down, washing & haulin loads. Suarez Bros.Trucking arrived on location @ 6:30 am w/1 crane, 6 haul trucks, 1 big forklift, 2 pole trucks, 1 tandem, & 2 bobtail trucks to haul derrick. Suarez Bros. Trucking had 1- Tandem Truck, 1 Crane, 1 Forklift & 1 Pole Truck @ H&P Yard to unload trucks & set up rig. One Truck hauled 19 jts. of 5" D.P. & 6"x8" X-Over Sub to Triumph Downhole & Inspection Service Yard. Disconnect electrical lines to pumps, rig floor, MCC house, diesel tank & all 3 Generators house. Rig down V-door, rig floor, mud pumps, 3 Generators houses, Air comp/ Lubetster skid, VFD house, Water Tank, & Disesel Tank, Lowered Derrick mask down @ 15:00 & Lowered Driller Cabin @ 17:00. Haul in Shaker Skid, Trip Tank/ choke skid, 450 bbl. Water Tank, 2 Mud Tanks, MCC house & 1 Mudpump to H&P Yard. Sun Cost Fuels, pumped out 5336 gals of diesel out of Rig diesel tank & credit back to Pioneer. Thomas Fuel upright tank on location & M.I. Swaco bulk tanks also have been pick up & hauled off. Suares Bros. Trucking stop working about 18:45 pm.
2/8/2015 18:00	2/9/2015 06:00	12	MOBILIZATION	RDMO	RDMO	Wait on days to resume rig operations / 1 rig hand working night to run manlift f/ Sprint Energy - wash crews washing derrick, pumps & generators

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Report #: 49 Daily Operation: 2/9/2015 06:00 - 2/10/2015 06:00

Job Category ORIG DRILLING			Primary Job Type ODR		AFE Number 033397
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
75	48	19,913.0	9,424.4	8.50	

Operations Summary

Continue pressure washing rig w/ 2 wash crews, total of 8 washhands & 1 Supervisor, 24/7. PJSM with Suarez Bros. Trucking, H & P hands, Sprint Energy wash crews & PNR Co. Reps. on rigging down, washing & haul loads. Suarez Bros. Trucking arrived on location @ 6:30 am w/1 crane, 6 haul trucks, 1 big forklift, 2 pole trucks, 1 tandem, & 2 bobtail trucks to haul derrick. Suarez Bros. Trucking had 1- Tandem Truck, 1 Crane, 1 Forklift & 1 Pole Truck @ H&P Yard to unload trucks & set up rig. Trucks haul off MCC house, diesel tank, 3 Generators house, 2 mud pumps, Air comp/ Lubetster skid & VFD house. Unstring blocks. Rig down & split derrick, remove doghouse, lower substructure, BOP transport skid, unpin & move mud boat to side of location, Rig down hpu lines, roll up wires on wire tray, skid package & wash & clean all components. Suares Bros. Trucking stop working about 18:45 pm.

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014// Surface TD 17:00pm 11/29/14
Intermediate TD 8,337' @ 10:00 12/08/2014
Released Rig @ 1:00 am 2-3-15

RIG NPT: 0 hours for previous 24 hrs., 21.5 hours for the month of January 2015

Completion Percentage: 100% Surface Hole Drilled, casing ran & cemented.
Completion Percentage: 100 % Intermediate Drilled, casing ran & cemented
Completion Percentage: 100% Curve completed Production Drilled
Completion Percentage: 100% Lateral completed

Water Meter @ 24hr Useage: 0 bbls. Total Used: 9361 bbls.

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie # 199
Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing.
Operator # 9 Carla
Notified Texas RRC 2/5/15 with intent to run and cement 5 1/2" production casing.
Operator # 2 Audrey

No Accidents, Incidents or Spills reported last 24hrs.

T,D Interm Section @ 8337'
Interm. Csg. Shoe @ 8315
Interm. Float Collar @ 8221'
Interm. DV Tool @ 6820'

T.D. LATERAL @ 1:00 AM 02-03-15
Landed casing Shoe @ 19,894', Float Collar @ 19,803', Coach Gun @ 19,732'
Rig Release @ 6:00 am 2-07-15

Last Survey @ 19,862' MD_88.08 INC_166.25 AZM_17' B_3' L_DLS: 10.6
Lithology: @ 19,910' 90% Shale, 10% LimeStone

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/9/2015 06:00	2/9/2015 18:00	12	MOBILIZATION	RDMO	RDMO	Continue pressure washing rig w/ 2 wash crews, total of 8 washhands & 1 Supervisor, 24/7. PJSM with Suarez Bros. Trucking, H & P hands, Sprint Energy wash crews & PNR Co. Reps. on rigging down, washing & haul loads. Suarez Bros. Trucking arrived on location @ 6:30 am w/1 crane, 6 haul trucks, 1 big forklift, 2 pole trucks, 1 tandem, & 2 bobtail trucks to haul derrick. Suarez Bros. Trucking had 1- Tandem Truck, 1 Crane, 1 Forklift & 1 Pole Truck @ H&P Yard to unload trucks & set up rig. Trucks haul off MCC house, diesel tank, 3 Generators house, 2 mud pumps, Air comp/ Lubetster skid & VFD house. Unstring blocks. Rig down & split derrick, remove doghouse, lower substructure, BOP transport skid, unpin & move mud boat to side of location, Rig down hpu lines, roll up wires on wire tray, skid package & wash & clean all components. Suares Bros. Trucking stop working about 18:45 pm.
2/9/2015 18:00	2/10/2015 06:00	12	MOBILIZATION	RDMO	RDMO	Wait on days to resume rig operations / 1 rig hand working night to run manlift f/ Sprint Energy - wash crews washing derrick, pumps & generators

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Report #: 50 Daily Operation: 2/10/2015 06:00 - 2/11/2015 06:00

Job Category ORIG DRILLING			Primary Job Type ODR		AFE Number 033397
Days From Spud (days) 76	Days on Location (days) 49	End Depth (ftKB) 19,913.0	End Depth (TVD) (ftKB) 9,424.4	Dens Last Mud (lb/gal) 8.50	Rig

Operations Summary

Continue pressure washing rig w/ 2 wash crews, total of 8 washhands & 1 Supervisor, work 24/7. PJSM with Suarez Bros, Trucking, H & P hands, Sprint Energy wash crews & PNR Co. Reps. on rigging down, washing & haul loads. Suarez Bros. Trucking arrived on location @ 6:30 am w/1 crane, 6 haul trucks, 1 big forklift, 2 pole trucks, 1 tandem, & 2 bobtail trucks to haul derrick. Suarez Bros. Trucking had 1- Tandem Truck, 1 Crane, 1 Forklift & 1 Pole Truck @ H&P Yard to unload trucks & set up rig. Trucks hauled off drawworks, ODS Sub, DS sub, bogie guide, BOP transport, HPU skid, Upper & Lower derrick mask, drill line, Catwalk & Parts house. Wash & clean all components. Suares Bros. Trucking stop working about 18:45 pm.

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014/ Surface TD 17:00pm 11/29/14
Intermediate TD 8,337' @ 10:00 12/08/2014
Released Rig @ 1:00 am 2-3-15

RIG NPT: 0 hours for previous 24 hrs., 21.5 hours for the month of January 2015

Completion Percentage: 100% Surface Hole Drilled, casing ran & cemented.
Completion Percentage: 100 % Intermediate Drilled, casing ran & cemented
Completion Percentage: 100% Curve completed Production Drilled
Completion Percentage: 100% Lateral completed

Water Meter @ 24hr Useage: 0 bbls. Total Used: 9361 bbls.

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie # 199
Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing.
Operator # 9 Carla
Notified Texas RRC 2/5/15 with intent to run and cement 5 1/2" production casing.
Operator # 2 Audrey

No Accidents, Incidents or Spills reported last 24hrs.

T,D Interm Section @ 8337'
Interm. Csg. Shoe @ 8315
Interm. Float Collar @ 8221'
Interm. DV Tool @ 6820'

T.D. LATERAL @ 1:00 AM 02-03-15
Landed casing Shoe @ 19,894', Float Collar @19,803', Coach Gun @ 19,732'
Rig Release @ 6:00 am 2-07-15

Last Survey @ 19,862' MD_88.08 INC_166.25 AZM_17' B_3' L_DLS: 10.6
Lithology: @ 19,910' 90% Shale, 10% LimeStone

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/10/2015 06:00	2/10/2015 18:00	12	MOBILIZATION	RDMO	RDMO	Continue pressure washing rig w/ 2 wash crews, total of 8 washhands & 1 Supervisor 24/7. PJSM with Suarez Bros, Trucking, H & P hands, Sprint Energy wash crews & PNR Co. Reps. on rigging down, washing & haul loads. Suarez Bros. Crane & heavy haul LLC. arrived on location @ 6:30 am w/ 6 haul trucks, 1 big forklift, 1 pole trucks, 1 tandem, & 2 bobtail trucks to haul derrick. Suarez Bros. Trucking had 1- Tandem Truck, 1 Crane, 1 Forklift & 1 Pole Truck @ H&P Yard to unload trucks & set up rig. Trucks hauled off draw works, ODS Sub, DS sub, bogie guide, BOP transport, HPU skid, Upper & Lower derrick mask, drill line, Catwalk & Parts house. Wash & clean all components. Suarez Bros. Trucking stop working about 18:45 pm.
2/10/2015 18:00	2/11/2015 06:00	12	MOBILIZATION	RDMO	RDMO	Wait on daylights to resume rig operations / 1 rig hand working nights to run forklift f/ Sprint Energy - wash & clean Miscellaneous loads.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Report #: 51 Daily Operation: 2/11/2015 06:00 - 2/12/2015 06:00

Job Category ORIG DRILLING			Primary Job Type ODR		AFE Number 033397
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
77	50	19,913.0	9,424.4	8.50	

Operations Summary

PJSM with Suarez Bros, Crane & Heavy Haul LLC, H & P hands, Sprint Energy wash crews & PNR Co. Reps. on rigging down, washing & haul loads. Suarez Bros. Trucking arrived on location @ 7:00 am w/ 5 haul trucks, 1 big forklift, 2 pole trucks, 1 tandem.. Suarez Bros. had 1- Tandem Truck, 1 Forklift & 2 Pole Truck @ H&P Yard to unload trucks & set up rig. Continue pressure washing rig w/ 2 wash crews, total of 8 wash hands & 1 Supervisor, work 20:00 PM Pressure washing on rig. Clean out cellars w/ super sucker & vac-truck & Clean Miscellaneous loads going to H&P yard. Lone Star Tank Rental Trucks hauled off OBM Frac-Tanks, Pre-mix Tank & Water base Frac-Tanks off. R/D all the containment bearer haul off location. Wash & clean all components on Suarez Bros. Trucking going to yard. Suarez Bros, Crane & Heavy Haul LLC stop working about 18:45 pm. (Both rig crews & Toolpusher went to H&P yard to rig up derrick & rig. Only 2 hands stayed behind on location working)

100% Rig down
95% Wash & Clean
95% Rig Hauled to H&P Yard

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014// Surface TD 17:00pm 11/29/14
Intermediate TD 8,337' @ 10:00 12/08/2014
Released Rig @ 1:00 am 2-3-15

RIG NPT: 0 hours for previous 24 hrs., 21.5 hours for the month of January 2015

Completion Percentage: 100% Surface Hole Drilled, casing ran & cemented.
Completion Percentage: 100 % Intermediate Drilled, casing ran & cemented
Completion Percentage: 100% Curve completed Production Drilled
Completion Percentage: 100% Lateral completed

Water Meter @ 24hr Usage: 0 bbls. Total Used: 9361 bbls.

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.
Operator Katie # 199
Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing.
Operator # 9 Carla
Notified Texas RRC 2/5/15 with intent to run and cement 5 1/2" production casing.
Operator # 2 Audrey

No Accidents, Incidents or Spills reported last 24hrs.

T,D Interm Section @ 8337'
Interm. Csg. Shoe @ 8315
Interm. Float Collar @ 8221'
Interm. DV Tool @ 6820'

T.D. LATERAL @ 1:00 AM 02-03-15
Landed casing Shoe @ 19,894',
Float Collar @19,803',
Coach Gun @ 19,732'
Rig Release @ 6:00 am 2-07-15

Last Survey @ 19,862' MD_88.08 INC_166.25 AZM_17' B_3' L_DLS: 10.6
Last Lithology: @ 19,910' 90% Shale, 10% LimeStone

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/11/2015 06:00	2/11/2015 18:00	12	MOBILIZATION	RDMO	RDMO	PJSM with Suarez Bros, Crane & Heavy Haul LLC, H & P hands, Sprint Energy wash crews & PNR Co. Reps. on rigging down, washing & haul loads. Suarez Bros.Trucking arrived on location @ 7:00 am w/ 5 haul trucks, 1 big forklift, 2 pole trucks, 1 tandem.. Suarez Bros. had 1- Tandem Truck, 1 Forklift & 2 Pole Truck @ H&P Yard to unload trucks & set up rig. Continue pressure washing rig w/ 2 wash crews, total of 8 washhands & 1 Supervisor, work 20:00 PM Pressure washing on rig. Clean out cellars w/ super sucker & vac-truck & Clean Miscellaneous loads going to H&P yard. Lonel Star Tank Rental Trucks hauled off OBM Frac-Tanks, Pre-mix Tank & Waterbase Frac-Tanks off. R/D all the containment bearrear haul off location. Wash & clean all components on Suares Bros. Trucking going to yard.Suarez Bros, Crane & Heavy Haul LLC stop working about 18:45 pm.
2/11/2015 18:00	2/12/2015 06:00	12	MOBILIZATION	RDMO	RDMO	Wait on daylights to resume rig operations with Suarez Bros, Crane & Heavy Haul LLC. Haul in the remaining miscellaneous loads & D.P to Yard & clean location

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Report #: 52 Daily Operation: 2/12/2015 06:00 - 2/13/2015 06:00

Job Category ORIG DRILLING			Primary Job Type ODR		AFE Number 033397	
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
78	51	19,913.0	9,424.4	8.50		

Operations Summary

PJSM with Suarez Bros., H & P hands, Sprint Energy wash crews & PNR Co. Reps. on washing & hauling loads. Suarez Bros. Trucking arrived on location @ 7:00 am w/ 6 haul trucks, 1 big forklift, 2 pole trucks, 1 tandem../ Suarez Bros. had 1- Tandem Truck, 1 Forklift & 2 Pole Truck @ H&P Yard to unload trucks & set up rig. Continue pressure washing rig w/ 1 wash crews, total of 6 wash hands & 1 Supervisor, work until 12:00 noon. (Sprint Energy Completed Washing H&P Rig @ 12:00 none 2-12-15) Pressure wash a few miscellaneous loads going to H&P yard. Wash & clean all components on Trucks going to H&P yard. Load all Pioneer Equipment on Suarez Bros, Haul Trucks. and will take pioneer equipment to Pioneer Yard @ 8:00 am in morning. Suarez Bro. stop working about 17:00 pm. (Only 2 H&P hands stayed behind on location working until 17:00)

100% Rig down

100% Wash & Clean

100% Rig Hauled to H&P Yard

Sprint Energy Completed Washing H&P Rig @ 12:00 none 2-12-15

Suarez Bros, Crane & Heavy Haul LLC stop working about 17:00 2-12-15

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)

Rig started arriving from Houston yard 11/18/14 @ 12:00pm

Accepted rig on day work: 13:00hrs 11/26/2014

Spud In @ 23:30hrs 11/26/2014// Surface TD 17:00pm 11/29/14

Intermediate TD 8,337' @ 10:00 12/08/2014

Released Rig @ 1:00 am 2-3-15

RIG NPT: 0 hours for previous 24 hrs., 21.5 hours for the month of January 2015

Completion Percentage: 100% Surface Hole Drilled, casing ran & cemented.

Completion Percentage: 100 % Intermediate Drilled, casing ran & cemented

Completion Percentage: 100% Curve completed Production Drilled

Completion Percentage: 100% Lateral completed

Water Meter @ 24hr Useage: 0 bbls. Total Used: 9361 bbls.

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.

Operator Katie # 199

Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing.

Operator # 9 Carla

Notified Texas RRC 2/5/15 with intent to run and cement 5 1/2" production casing.

Operator # 2 Audrey

No Accidents, Incidents or Spills reported last 24hrs.

T,D Interm Section @ 8337'

Interm. Csg. Shoe @ 8315

Interm. Float Collar @ 8221'

Interm. DV Tool @ 6820'

T.D. LATERAL @ 1:00 AM 02-03-15

Landed casing Shoe @ 19,894',

Float Collar @ 19,803',

Coach Gun @ 19,732'

Rig Release @ 6:00 am 2-07-15

Last Survey @ 19,862' MD_88.08 INC_166.25 AZM_17' B_3' L_DLS: 10.6

Last Lithology: @ 19,910' 90% Shale, 10% LimeStone

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/12/2015 06:00	2/12/2015 18:00	12	MOBILIZATION	RDMO	RDMO	<p>PJSM with Suarez Bros., H & P hands, Sprint Energy wash crews & PNR Co. Reps. on washing & hauling loads. Suarez Bros. Trucking arrived on location @ 7:00 am w/ 6 haul trucks, 1 big forklift, 2 pole trucks, 1 tandem../ Suarez Bros. had 1-Tandem Truck, 1 Forklift & 2 Pole Truck @ H&P Yard to unload trucks & set up rig. Continue pressure washing rig w/ 1 wash crews, total of 6 wash hands & 1 Supervisor, work until 12:00 noon. (Sprint Energy Completed Washing H&P Rig @ 12:00 none 2-12-15) Pressure wash a few miscellaneous loads going to H&P yard. Wash & clean all components on Trucks going to H&P yard. Load all Pioneer Equipment on Suarez Bros,Haul Trucks. and will take pioneer equipment to Pioneer Yard @ 8:00 am in morning. Suarez Bro. stop working about 17:00 pm. (Only 2 H&P hands stayed behind on location working until 17:00)</p> <p>100% Rig down 100% Wash & Clean 100% Rig Hauled to H&P Yard Sprint Energy Completed Washing H&P Rig @ 12:00 none 2-12-15 Suarez Bros, Crane & Heavy Haul LLC stop working about 17:00 2-12-15</p>
2/12/2015 18:00	2/13/2015 06:00	12	MOBILIZATION	RDMO	RDMO	<p>Wait on daylights to resume rig operations with Suarez Bros, Crane & Heavy Haul LLC. @ 8:00 am 2-13-15, Haul in the Pioneer Equipment to Pioneer Yard, Release PNR camp trailers & clean location. (All PNR, H&P & Third Party Equipment will be off location @ 18:00 2-12-15)</p>

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Report #: 53 Daily Operation: 2/13/2015 06:00 - 2/13/2015 18:00

Job Category ORIG DRILLING			Primary Job Type ODR			AFE Number 033397
Days From Spud (days) 79	Days on Location (days) 51	End Depth (ftKB) 19,913.0	End Depth (TVD) (ftKB) 9,424.4	Dens Last Mud (lb/gal) 8.50	Rig	

Operations Summary

Resume rig operations with Suarez Bros, Crane & Heavy Haul LLC. @ 8:00 am 2-13-15, Haul in the Pioneer Equipment to Pioneer Yard, Release PNR camp trailers & clean location. (All PNR, H&P & Third Party Equipment will be off location by 18:00 2-13-15)
Close Well on University 7-43 21H @ 18:00 2-13-15

Remarks

Rig (H&P 637), Well (University 7-43 # 21H)
Rig started arriving from Houston yard 11/18/14 @ 12:00pm
Accepted rig on day work: 13:00hrs 11/26/2014
Spud In @ 23:30hrs 11/26/2014// Surface TD 17:00pm 11/29/14
Intermediate TD 8,337' @ 10:00 12/08/2014
Released Rig @ 1:00 am 2-3-15

RIG NPT: 0 hours for previous 24 hrs., 21.5 hours for the month of January 2015

Completion Percentage: 100% Surface Hole Drilled, casing ran & cemented.
Completion Percentage: 100 % Intermediate Drilled, casing ran & cemented
Completion Percentage: 100% Curve completed Production Drilled
Completion Percentage: 100% Lateral completed

Water Meter @ 24hr Useage: 0 bbls. Total Used: 9361 bbls.

Note: Notified Texas RRC 11/25/14 with intent to spud well and run and cement 13 3/8" casing.

Operator Katie # 199

Notified Texas RRC 11/08/14 with intent to run and cement 9 5/8" casing.

Operator # 9 Carla

Notified Texas RRC 2/5/15 with intent to run and cement 5 1/2" production casing.

Operator # 2 Audrey

No Accidents, Incidents or Spills reported last 24hrs.

T,D Interm Section @ 8337'

Interm. Csg. Shoe @ 8315

Interm. Float Collar @ 8221'

Interm. DV Tool @ 6820'

T.D. LATERAL @ 1:00 AM 02-03-15

Landed casing Shoe @ 19,894',

Float Collar @ 19,803',

Coach Gun @ 19,732'

Rig Release @ 6:00 am 2-07-15

Last Survey @ 19,862' MD_88.08 INC_166.25 AZM_17' B_3' L_DLS: 10.6

Last Lithology: @ 19,910' 90% Shale, 10% LimeStone

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
2/13/2015 06:00	2/13/2015 18:00	12	MOBILIZATION	RDMO	RDMO	Resume rig operations with Suarez Bros, Crane & Heavy Haul LLC. @ 8:00 am 2-13-15, Haul in the Pioneer Equipment to Pioneer Yard, Release PNR camp trailers & clean location. (All PNR, H&P & Third Party Equipment will be off location by 18:00 2-13-15) Close Well on University 7-43 21H @ 18:00 2-13-15

Report #: 1 Daily Operation: 4/29/2015 07:00 - 4/29/2015 12:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 034316
Days From Spud (days) 154	Days on Location (days) 0	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig ACID SPECIALISTS LLC, <rigno>	

Operations Summary

Casing test/chemical treatments

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/29/2015 07:00	4/29/2015 07:30	0.5	PRESTIM	NONOPS	SAFETY	Went over hazards on location

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/29/2015 07:30	4/29/2015 08:30	1	PRESTIM	PUMP DOWN	TEST	Tested lines to 9,500 psi
4/29/2015 08:30	4/29/2015 08:55	0.43 3	PRESTIM	TEST	CASING	Casing test 6,000 psi(5 mins.), 9,020 psi (5mins), 9,550 psi (5mins.)
4/29/2015 08:55	4/29/2015 09:39	0.71 7	PRESTIM	PUMP DOWN	TOEVAL VE	Sleeve shifted @ 7,630 psi lined out at 3,200 psi. started chemical treatments
4/29/2015 09:39	4/29/2015 11:49	2.18 3	PRESTIM	PUMP DOWN	TOEVAL VE	Ran 1,000 gals of limo/1,500 of 15% HCL as designed @ 4.6BPM 5,058 psi.
4/29/2015 11:49	4/29/2015 11:51	0.01 7	PRESTIM	NONOPS	PLANNE D	Toe prep complete, wait on frac

Report #: 2 Daily Operation: 4/30/2015 07:00 - 5/1/2015 07:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 034316
Days From Spud (days) 155	Days on Location (days) 1	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

Waiting on Frac

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
4/30/2015 07:00	5/1/2015 07:00	24	PRESTIM	NONOPS	PLANNE D	Waiting on Frac

Report #: 3 Daily Operation: 5/1/2015 07:00 - 5/2/2015 07:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 034316
Days From Spud (days) 156	Days on Location (days) 2	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

Waiting on Frac

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/1/2015 07:00	5/2/2015 07:00	24	PRESTIM	NONOPS	PLANNE D	Waiting on Frac

Report #: 4 Daily Operation: 5/2/2015 07:00 - 5/3/2015 07:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 034316
Days From Spud (days) 157	Days on Location (days) 3	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

Waiting on Frac

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/2/2015 07:00	5/3/2015 07:00	24	PRESTIM	NONOPS	PLANNE D	Waiting on Frac

Report #: 5 Daily Operation: 5/3/2015 07:00 - 5/4/2015 07:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 034316
Days From Spud (days) 158	Days on Location (days) 4	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	

Operations Summary

Waiting on Frac

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/3/2015 07:00	5/4/2015 07:00	24	PRESTIM	NONOPS	PLANNE D	Waiting on Frac

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Report #: 6 Daily Operation: 5/4/2015 07:00 - 5/5/2015 07:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 034316
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig	
159	4	0.0				

Operations Summary

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com

Report #: 7 Daily Operation: 5/5/2015 07:00 - 5/6/2015 05:45

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 034316
Days From Spud (days) 160	Days on Location (days) 5	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig ACID SPECIALISTS LLC, <rigno>	

Operations Summary

Set Plug and Perf'd for Stage 1. Had minor issues with wireline grease tube/ brass pack off ring.

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/5/2015 07:00	5/5/2015 20:15	13.2 5	STIM	NONOPS	PADWAI T	Waiting on E&P to arrive to P&P stage 1
5/5/2015 20:15	5/5/2015 20:39	0.4	STIM	WIRELINE	RULUB	
5/5/2015 20:39	5/6/2015 04:25	7.76 7	STIM	WIRELINE	WLRUND N	
5/6/2015 04:25	5/6/2015 04:29	0.06 7	STIM	WIRELINE	PLUGPE RF	Set Plug @ 19,694 ft Perf for stage 1 Could not get down to proposed depth of 19722 ft moved up bottom perf from 19,710 to 19,681
5/6/2015 04:29	5/6/2015 05:45	1.26 7	STIM	WIRELINE	WLRUNU P	

Report #: 8 Daily Operation: 5/6/2015 05:45 - 5/7/2015 05:30

Job Category ORIG COMPLETION				Primary Job Type OCM			AFE Number 034316	
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig			
161	6	0.0			PIONEER PUMPING SERVICES, 1			

Operations Summary

Set plugs and perf'd for stages 2 thru 3 Fracked stages 1,2 and 3 Issues with Blender and Chemical Pumps.

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/6/2015 05:45	5/6/2015 05:53	0.13 4	STIM	WIRELINE	RDLUB	
5/6/2015 05:53	5/6/2015 07:52	1.98 3	STIM	FRAC	PRIME	Day shift showed up 45 minutes late
5/6/2015 07:52	5/6/2015 09:23	1.51 7	STIM	FRAC	TEST	Issues with the blender.
5/6/2015 09:23	5/6/2015 12:26	3.05	STIM	FRAC	STIM	Stage #1 Joseph McGee
5/6/2015 12:26	5/6/2015 13:40	1.23 3	STIM	WIRELINE	RULUB	
5/6/2015 13:40	5/6/2015 14:43	1.05	STIM	WIRELINE	WLRUND N	
5/6/2015 14:43	5/6/2015 14:47	0.06 7	STIM	WIRELINE	PLUGPE RF	Plug set @ 19,503 ft JM
5/6/2015 14:47	5/6/2015 15:30	0.71 7	STIM	WIRELINE	WLRUNU P	
5/6/2015 15:30	5/6/2015 15:37	0.11 7	STIM	WIRELINE	RDLUB	
5/6/2015 15:37	5/6/2015 15:58	0.35	STIM	FRAC	PRIME	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/6/2015 15:58	5/6/2015 16:06	0.13 3	STIM	FRAC	TEST	
5/6/2015 16:06	5/6/2015 18:38	2.53 3	STIM	FRAC	STIM	Stage #2 Had issues with X-link and gel pumps during stage.
5/6/2015 18:38	5/6/2015 19:18	0.66 7	STIM	WIRELINE	RULUB	
5/6/2015 19:18	5/6/2015 20:14	0.93 3	STIM	WIRELINE	WLRUND N	
5/6/2015 20:14	5/6/2015 20:17	0.05	STIM	WIRELINE	PLUGPE RF	Plug set @ 19,255 ft RT/JA
5/6/2015 20:17	5/6/2015 21:05	0.8	STIM	WIRELINE	WLRUNU P	
5/6/2015 21:05	5/6/2015 21:12	0.11 7	STIM	WIRELINE	RDLUB	
5/6/2015 21:12	5/6/2015 22:15	1.05	STIM	FRAC	PRIME	
5/6/2015 22:15	5/6/2015 22:35	0.33 3	STIM	FRAC	TEST	
5/6/2015 22:35	5/7/2015 04:38	6.05	STIM	FRAC	STIM	Stage 3 Issues with pin hole on blender, xlink pump #2 would not work doubled up on pump#1. Took significant pressure spike on 2.5# sand. Cut sand with 282,525 lbs gone and went to flush.
5/7/2015 04:38	5/7/2015 04:58	0.33 3	STIM	WIRELINE	RULUB	
5/7/2015 04:58	5/7/2015 05:30	0.53 3	STIM	WIRELINE	WLRUND N	

Report #: 9 Daily Operation: 5/7/2015 05:30 - 5/8/2015 05:14

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 034316
Days From Spud (days) 162	Days on Location (days) 7	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, 1	

Operations Summary

Set plugs and perf'd for stages 4 thru 8. Fracked stages 4-7. issue with Blender hydraulic hose on stage 5

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/7/2015 05:30	5/7/2015 05:58	0.46 7	STIM	WIRELINE	PLUGPE RF	Set Plug @ 19,012'
5/7/2015 05:58	5/7/2015 06:39	0.68 3	STIM	WIRELINE	WLRUNU P	
5/7/2015 06:39	5/7/2015 06:49	0.16 7	STIM	WIRELINE	RDLUB	
5/7/2015 06:49	5/7/2015 07:08	0.31 7	STIM	FRAC	PRIME	
5/7/2015 07:08	5/7/2015 07:17	0.15	STIM	FRAC	TEST	
5/7/2015 07:17	5/7/2015 09:55	2.63 3	STIM	FRAC	STIM	Stage # 4 Joseph McGee
5/7/2015 09:55	5/7/2015 10:42	0.78 3	STIM	WIRELINE	RULUB	J&W greasing valve on frac stack before rigging up the lube
5/7/2015 10:42	5/7/2015 11:31	0.81 7	STIM	WIRELINE	WLRUND N	
5/7/2015 11:31	5/7/2015 11:35	0.06 7	STIM	WIRELINE	PLUGPE RF	Set Plug @ 18,760'
5/7/2015 11:35	5/7/2015 12:12	0.61 7	STIM	WIRELINE	WLRUNU P	
5/7/2015 12:12	5/7/2015 12:16	0.06 7	STIM	WIRELINE	RDLUB	
5/7/2015 12:16	5/7/2015 12:49	0.55	STIM	FRAC	PRIME	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/7/2015 12:49	5/7/2015 12:55	0.1	STIM	FRAC	TEST	
5/7/2015 12:55	5/7/2015 15:55	3	STIM	FRAC	STIM	Stage #5 Clint Sims
5/7/2015 15:55	5/7/2015 16:05	0.16 7	STIM	WIRELINE	RULUB	
5/7/2015 16:05	5/7/2015 17:10	1.08 3	STIM	WIRELINE	WLRUND N	
5/7/2015 17:10	5/7/2015 17:20	0.16 7	STIM	WIRELINE	PLUGPE RF	Set Plug @ 18,526'
5/7/2015 17:20	5/7/2015 18:00	0.66 7	STIM	WIRELINE	WLRUNU P	
5/7/2015 18:00	5/7/2015 18:15	0.25	STIM	WIRELINE	RDLUB	
5/7/2015 18:15	5/7/2015 18:45	0.5	STIM	NONOPS	SAFETY	Safety Meeting
5/7/2015 18:45	5/7/2015 19:10	0.41 7	STIM	FRAC	PRIME	
5/7/2015 19:10	5/7/2015 19:46	0.6	STIM	FRAC	TEST	
5/7/2015 19:46	5/7/2015 22:34	2.8	STIM	FRAC	STIM	Stage #6 Rudy / Jaime
5/7/2015 22:34	5/7/2015 22:48	0.23 3	STIM	WIRELINE	RULUB	
5/7/2015 22:48	5/7/2015 23:45	0.95	STIM	WIRELINE	WLRUND N	
5/7/2015 23:45	5/7/2015 23:49	0.06 7	STIM	WIRELINE	PLUGPE RF	Set plug @ 18,285'
5/7/2015 23:49	5/8/2015 00:35	0.76 7	STIM	WIRELINE	WLRUNU P	
5/8/2015 00:35	5/8/2015 00:48	0.21 7	STIM	WIRELINE	RDLUB	
5/8/2015 00:48	5/8/2015 01:00	0.2	STIM	FRAC	PRIME	
5/8/2015 01:00	5/8/2015 03:52	2.86 7	STIM	FRAC	STIM	Stage #7 Rudy / Jaime
5/8/2015 03:52	5/8/2015 04:15	0.38 3	STIM	WIRELINE	RULUB	
5/8/2015 04:15	5/8/2015 05:10	0.91 7	STIM	WIRELINE	WLRUND N	
5/8/2015 05:10	5/8/2015 05:14	0.06 7	STIM	WIRELINE	PLUGPE RF	Set plug @ 18,040'

Report #: 10 Daily Operation: 5/8/2015 05:14 - 5/9/2015 03:08

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 034316
Days From Spud (days) 163	Days on Location (days) 8	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, 1	

Operations Summary

Pumped Stages 8 thru 10. Plugged and perfered for stages 9 thru 11. A total of 3 stages were pumped in the last 24 hour period. Issues with failed plug on Stage #10 and Chemical pumps.

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/8/2015 05:14	5/8/2015 06:00	0.76 7	STIM	WIRELINE	WLRUNU P	
5/8/2015 06:00	5/8/2015 06:06	0.1	STIM	WIRELINE	RDLUB	
5/8/2015 06:06	5/8/2015 06:46	0.66 7	STIM	FRAC	PRIME	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/8/2015 06:46	5/8/2015 06:53	0.11 7	STIM	FRAC	TEST	
5/8/2015 06:53	5/8/2015 09:24	2.51 7	STIM	FRAC	STIM	Stage #8 Joseph McGee
5/8/2015 09:24	5/8/2015 09:58	0.56 7	STIM	WIRELINE	RULUB	J&W greasing valves before rigging up lube
5/8/2015 09:58	5/8/2015 10:53	0.91 7	STIM	WIRELINE	WLRUND N	
5/8/2015 10:53	5/8/2015 10:56	0.05	STIM	WIRELINE	PLUGPE RF	Set Plug @ 17,792' JM
5/8/2015 10:56	5/8/2015 11:31	0.58 3	STIM	WIRELINE	WLRUNU P	
5/8/2015 11:31	5/8/2015 11:38	0.11 7	STIM	WIRELINE	RDLUB	
5/8/2015 11:38	5/8/2015 11:53	0.25	STIM	FRAC	PRIME	
5/8/2015 11:53	5/8/2015 11:59	0.1	STIM	FRAC	TEST	
5/8/2015 11:59	5/8/2015 14:31	2.53 3	STIM	ACID	STIM	Stage 9 / Clint Sims
5/8/2015 14:31	5/8/2015 14:44	0.21 7	STIM	WIRELINE	RULUB	
5/8/2015 14:44	5/8/2015 15:45	1.01 7	STIM	WIRELINE	WLRUND N	
5/8/2015 15:45	5/8/2015 15:48	0.05	STIM	WIRELINE	PLUGPE RF	Set Plug @ 17558 / Clint Sims
5/8/2015 15:48	5/8/2015 16:22	0.56 7	STIM	WIRELINE	WLRUNU P	
5/8/2015 16:22	5/8/2015 16:28	0.1	STIM	WIRELINE	RDLUB	
5/8/2015 16:28	5/8/2015 16:35	0.11 7	STIM	FRAC	PRIME	
5/8/2015 16:35	5/8/2015 16:41	0.1	STIM	FRAC	TEST	
5/8/2015 16:41	5/8/2015 17:03	0.37	STIM	FRAC	STIM	Stage 10 / Joseph M./Jaime A. Shutdown due to possibility of plug not holding
5/8/2015 17:03	5/8/2015 17:46	0.72	STIM	WIRELINE	RULUB	
5/8/2015 17:46	5/8/2015 18:51	1.08	PRESTIM	WIRELINE	WLRUND N	
5/8/2015 18:51	5/8/2015 19:00	0.15	PRESTIM	COIL	PLUGPE RF	Set Plug @ 17536 / RT
5/8/2015 19:00	5/8/2015 20:10	1.17	PRESTIM	WIRELINE	WLRUNU P	
5/8/2015 20:10	5/8/2015 20:20	0.17	PRESTIM	WIRELINE	RDLUB	
5/8/2015 20:20	5/8/2015 20:52	0.53	STIM	FRAC	PRIME	
5/8/2015 20:52	5/9/2015 00:34	3.7	STIM	FRAC	STIM	Started stage 10 again after setting another plug.
5/9/2015 00:34	5/9/2015 01:19	0.75	STIM	WIRELINE	RULUB	
5/9/2015 01:19	5/9/2015 02:11	0.86 7	STIM	WIRELINE	WLRUND N	
5/9/2015 02:11	5/9/2015 02:14	0.05	STIM	WIRELINE	PLUGPE RF	Set plug @ 17,311' RT
5/9/2015 02:14	5/9/2015 02:50	0.6	STIM	WIRELINE	WLRUNU P	
5/9/2015 02:50	5/9/2015 03:00	0.16 7	STIM	WIRELINE	RDLUB	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/9/2015 03:00	5/9/2015 03:08	0.13 3	STIM	FRAC	PRIME	

Report #: 11 Daily Operation: 5/9/2015 03:08 - 5/10/2015 05:12

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 034316
Days From Spud (days) 164	Days on Location (days) 9	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, 1	

Operations Summary

Pumped Stages 11 thru 13 Set plugs and perfed stages 12 thru 14 Waited on Seismic to rig up and RIH on #22H

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/9/2015 03:08	5/9/2015 05:58	2.83 4	STIM	FRAC	STIM	Stage #11 Jaime Aguilar
5/9/2015 05:58	5/9/2015 06:13	0.25	STIM	WIRELINE	RULUB	
5/9/2015 06:13	5/9/2015 07:06	0.88 3	STIM	WIRELINE	WLRUND N	
5/9/2015 07:06	5/9/2015 07:10	0.06 7	STIM	WIRELINE	PLUGPE RF	Set Plug @ 17,068'
5/9/2015 07:10	5/9/2015 07:42	0.53 3	STIM	WIRELINE	WLRUNU P	
5/9/2015 07:42	5/9/2015 07:47	0.08 3	STIM	WIRELINE	RDLUB	
5/9/2015 07:47	5/9/2015 07:55	0.13 4	STIM	FRAC	PRIME	
5/9/2015 07:55	5/9/2015 08:11	0.26 7	STIM	FRAC	TEST	
5/9/2015 08:11	5/9/2015 10:47	2.6	STIM	FRAC	STIM	Stage #12 Joseph McGee
5/9/2015 10:47	5/9/2015 15:02	4.25	STIM	NONOPS	PLANNE D	Waiting on Microsiesmic to rig before continuing Operations
5/9/2015 15:02	5/9/2015 15:21	0.31 7	STIM	WIRELINE	RULUB	
5/9/2015 15:21	5/9/2015 16:06	0.75	STIM	WIRELINE	WLRUND N	
5/9/2015 16:06	5/9/2015 16:10	0.06 7	STIM	WIRELINE	PLUGPE RF	Set Plug @ 16,823' JM
5/9/2015 16:10	5/9/2015 17:05	0.91 7	STIM	WIRELINE	WLRUNU P	
5/9/2015 17:05	5/9/2015 17:10	0.08 3	STIM	WIRELINE	RDLUB	
5/9/2015 17:10	5/9/2015 18:40	1.5	STIM	FRAC	PRIME	
5/9/2015 18:40	5/9/2015 18:50	0.16 7	STIM	FRAC	TEST	
5/9/2015 18:50	5/9/2015 21:30	2.66 7	STIM	FRAC	STIM	Stage #13 Jaime Aguilar
5/9/2015 21:30	5/10/2015 02:15	4.75	STIM	NONOPS	PADWAI T	Waiting on MicroSeismic to come out hole, fix tools and alternator on logger truck.
5/10/2015 02:15	5/10/2015 02:29	0.23 3	STIM	WIRELINE	RULUB	
5/10/2015 02:29	5/10/2015 03:13	0.73 3	STIM	WIRELINE	WLRUND N	
5/10/2015 03:13	5/10/2015 03:18	0.08 3	STIM	WIRELINE	PLUGPE RF	Set plug @ 16,588'
5/10/2015 03:18	5/10/2015 03:57	0.65	STIM	WIRELINE	WLRUNU P	
5/10/2015 03:57	5/10/2015 04:01	0.06 7	STIM	WIRELINE	RDLUB	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/10/2015 04:01	5/10/2015 04:20	0.31 7	STIM	FRAC	PRIME	
5/10/2015 04:20	5/10/2015 05:12	0.86 7	STIM	FRAC	TEST	

Report #: 12 Daily Operation: 5/10/2015 05:12 - 5/11/2015 05:30

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 034316
Days From Spud (days) 165	Days on Location (days) 10	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, 1	

Operations Summary

Pumped Stages 14 thru 18 Set plugs and perfed stages 15 thru 18

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/10/2015 05:12	5/10/2015 08:03	2.85	STIM	FRAC	STIM	Stage #14 Clint Sims
5/10/2015 08:03	5/10/2015 08:22	0.31 7	STIM	WIRELINE	RULUB	
5/10/2015 08:22	5/10/2015 09:18	0.93 3	STIM	WIRELINE	WLRUND N	
5/10/2015 09:18	5/10/2015 09:24	0.1	STIM	WIRELINE	PLUGPE RF	Set Plug @ 16,339'
5/10/2015 09:24	5/10/2015 09:56	0.53 4	STIM	WIRELINE	WLRUNU P	
5/10/2015 09:56	5/10/2015 10:02	0.1	STIM	WIRELINE	RDLUB	
5/10/2015 10:02	5/10/2015 10:22	0.33 3	STIM	FRAC	PRIME	
5/10/2015 10:22	5/10/2015 10:37	0.25	STIM	FRAC	TEST	
5/10/2015 10:37	5/10/2015 13:36	2.98 3	STIM	FRAC	STIM	Stage #15 Joseph McGee
5/10/2015 13:36	5/10/2015 13:57	0.35	STIM	WIRELINE	RULUB	
5/10/2015 13:57	5/10/2015 14:45	0.8	STIM	WIRELINE	WLRUND N	
5/10/2015 14:45	5/10/2015 14:48	0.05	STIM	WIRELINE	PLUGPE RF	Set Plug @16,096' JM
5/10/2015 14:48	5/10/2015 15:16	0.48 3	STIM	WIRELINE	WLRUNU P	
5/10/2015 15:16	5/10/2015 15:24	0.11 7	STIM	WIRELINE	RDLUB	
5/10/2015 15:24	5/10/2015 15:30	0.1	STIM	FRAC	PRIME	
5/10/2015 15:30	5/10/2015 15:38	0.13 4	STIM	FRAC	TEST	
5/10/2015 15:38	5/10/2015 18:10	2.53 3	STIM	FRAC	STIM	Stage #16 Clint Sims
5/10/2015 18:10	5/10/2015 18:25	0.25	STIM	WIRELINE	RULUB	
5/10/2015 18:25	5/10/2015 19:49	1.4	STIM	WIRELINE	WLRUND N	
5/10/2015 19:49	5/10/2015 19:53	0.06 7	STIM	WIRELINE	PLUGPE RF	Set Plug @ 15,851'
5/10/2015 19:53	5/10/2015 20:27	0.56 7	STIM	WIRELINE	WLRUNU P	
5/10/2015 20:27	5/10/2015 20:42	0.25	STIM	WIRELINE	RDLUB	
5/10/2015 20:42	5/10/2015 21:10	0.46 7	STIM	FRAC	PRIME	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/10/2015 21:10	5/10/2015 21:30	0.33 3	STIM	FRAC	TEST	
5/10/2015 21:30	5/11/2015 00:05	2.58 3	STIM	FRAC	STIM	Stage # 17 Jaime Aguilar
5/11/2015 00:05	5/11/2015 00:40	0.58 3	STIM	WIRELINE	RULUB	
5/11/2015 00:40	5/11/2015 01:22	0.7	STIM	WIRELINE	WLRUND N	
5/11/2015 01:22	5/11/2015 01:25	0.05	STIM	WIRELINE	PLUGPE RF	Set Plug @ 15,600'
5/11/2015 01:25	5/11/2015 02:00	0.58 3	STIM	WIRELINE	WLRUNU P	
5/11/2015 02:00	5/11/2015 02:10	0.16 7	STIM	WIRELINE	RDLUB	
5/11/2015 02:10	5/11/2015 02:30	0.33 3	STIM	FRAC	PRIME	
5/11/2015 02:30	5/11/2015 05:09	2.65	STIM	FRAC	STIM	Stage #18 Jaime Aguilar
5/11/2015 05:09	5/11/2015 05:30	0.35	STIM	WIRELINE	RULUB	

Report #: 13 Daily Operation: 5/11/2015 05:30 - 5/12/2015 05:38

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 034316	
Days From Spud (days) 166	Days on Location (days) 11	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, 1		

Operations Summary

Pumped Stages 19 thru 23 Set plugs and perfed stages 19 thru 23

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/11/2015 05:30	5/11/2015 06:15	0.75	STIM	WIRELINE	WLRUND N	
5/11/2015 06:15	5/11/2015 06:19	0.06 7	STIM	WIRELINE	PLUGPE RF	Set Plug @ 15,367'
5/11/2015 06:19	5/11/2015 06:48	0.48 3	STIM	WIRELINE	WLRUNU P	
5/11/2015 06:48	5/11/2015 06:53	0.08 4	STIM	WIRELINE	RDLUB	
5/11/2015 06:53	5/11/2015 07:05	0.2	STIM	FRAC	PRIME	
5/11/2015 07:05	5/11/2015 07:14	0.15	STIM	FRAC	TEST	
5/11/2015 07:14	5/11/2015 09:44	2.5	STIM	FRAC	STIM	Stage #19 Joseph McGee
5/11/2015 09:44	5/11/2015 10:25	0.68 3	STIM	WIRELINE	RULUB	J&W Greased Valves before Rigging up Lube.
5/11/2015 10:25	5/11/2015 11:07	0.7	STIM	WIRELINE	WLRUND N	
5/11/2015 11:07	5/11/2015 11:10	0.05	STIM	WIRELINE	PLUGPE RF	Set Plug @ 15,124' JM
5/11/2015 11:10	5/11/2015 11:38	0.46 7	STIM	WIRELINE	WLRUNU P	
5/11/2015 11:38	5/11/2015 11:49	0.18 3	STIM	WIRELINE	RDLUB	
5/11/2015 11:49	5/11/2015 12:04	0.25	STIM	FRAC	PRIME	
5/11/2015 12:04	5/11/2015 14:45	2.68 3	STIM	FRAC	STIM	Stage #20 Clint Sims
5/11/2015 14:45	5/11/2015 15:03	0.3	STIM	WIRELINE	RULUB	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/11/2015 15:03	5/11/2015 15:50	0.78 4	STIM	WIRELINE	WLRUND N	
5/11/2015 15:50	5/11/2015 15:55	0.08 4	STIM	WIRELINE	PLUGPE RF	Set plug @ 14,881' CS
5/11/2015 15:55	5/11/2015 16:20	0.41 7	STIM	WIRELINE	WLRUNU P	
5/11/2015 16:20	5/11/2015 16:27	0.11 7	STIM	WIRELINE	RDLUB	
5/11/2015 16:27	5/11/2015 16:48	0.35	STIM	FRAC	PRIME	
5/11/2015 16:48	5/11/2015 16:54	0.1	STIM	FRAC	TEST	
5/11/2015 16:54	5/11/2015 19:33	2.65	STIM	FRAC	STIM	Stage #21 Joseph McGee
5/11/2015 19:33	5/11/2015 19:47	0.23 3	STIM	WIRELINE	RULUB	
5/11/2015 19:47	5/11/2015 20:36	0.81 7	STIM	WIRELINE	WLRUND N	
5/11/2015 20:36	5/11/2015 20:39	0.05	STIM	WIRELINE	PLUGPE RF	Set Plug @ 14,636' RT
5/11/2015 20:39	5/11/2015 21:17	0.63 3	STIM	WIRELINE	WLRUNU P	
5/11/2015 21:17	5/11/2015 21:27	0.16 7	STIM	WIRELINE	RDLUB	
5/11/2015 21:27	5/11/2015 21:35	0.13 3	STIM	FRAC	PRIME	
5/11/2015 21:35	5/11/2015 21:52	0.28 3	STIM	FRAC	TEST	
5/11/2015 21:52	5/12/2015 00:35	2.71 7	STIM	FRAC	STIM	Stage #22 Jaime Aguilar
5/12/2015 00:35	5/12/2015 00:52	0.28 3	STIM	WIRELINE	RULUB	
5/12/2015 00:52	5/12/2015 01:34	0.7	STIM	WIRELINE	WLRUND N	
5/12/2015 01:34	5/12/2015 01:38	0.06 7	STIM	WIRELINE	PLUGPE RF	Set Plug @ 14,400' RT
5/12/2015 01:38	5/12/2015 02:07	0.48 3	STIM	WIRELINE	WLRUNU P	
5/12/2015 02:07	5/12/2015 02:20	0.21 7	STIM	WIRELINE	RDLUB	
5/12/2015 02:20	5/12/2015 02:40	0.33 3	STIM	FRAC	PRIME	
5/12/2015 02:40	5/12/2015 02:52	0.2	STIM	FRAC	TEST	
5/12/2015 02:52	5/12/2015 05:38	2.76 7	STIM	FRAC	STIM	Stage #23 Jaime Aguilar

Report #: 14 Daily Operation: 5/12/2015 05:38 - 5/13/2015 04:23

Job Category				Primary Job Type			AFE Number
ORIG COMPLETION				OCM			034316
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig		
167	12	0.0			PIONEER PUMPING SERVICES, 1		

Operations Summary
Pumped Stages 24-27

Wireline runs for stages 24-27 and had misrun on stg 28

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/12/2015 05:38	5/12/2015 06:10	0.53 4	STIM	WIRELINE	RULUB	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/12/2015 06:10	5/12/2015 07:00	0.83 3	STIM	WIRELINE	WLRUND N	
5/12/2015 07:00	5/12/2015 07:05	0.08 3	STIM	WIRELINE	PLUGPE RF	Set plug @ 14,152 Hector G
5/12/2015 07:05	5/12/2015 07:30	0.41 7	STIM	WIRELINE	WLRUNU P	
5/12/2015 07:30	5/12/2015 07:40	0.16 7	STIM	WIRELINE	RDLUB	
5/12/2015 07:40	5/12/2015 08:00	0.33 3	STIM	FRAC	PRIME	
5/12/2015 08:00	5/12/2015 08:33	0.55	STIM	FRAC	TEST	
5/12/2015 08:33	5/12/2015 11:16	2.71 7	STIM	FRAC	STIM	Stage 24 Hector G
5/12/2015 11:16	5/12/2015 11:42	0.43 3	STIM	WIRELINE	RULUB	Waited on J&W to grease valve before stabbing on to well.
5/12/2015 11:42	5/12/2015 12:46	1.06 7	STIM	WIRELINE	WLRUND N	
5/12/2015 12:46	5/12/2015 12:49	0.05	STIM	WIRELINE	PLUGPE RF	Set plug @ 13,909 Robert C
5/12/2015 12:49	5/12/2015 13:18	0.48 3	STIM	WIRELINE	WLRUNU P	
5/12/2015 13:18	5/12/2015 13:24	0.1	STIM	WIRELINE	RDLUB	
5/12/2015 13:24	5/12/2015 13:46	0.36 7	STIM	FRAC	PRIME	
5/12/2015 13:46	5/12/2015 13:52	0.1	STIM	FRAC	TEST	
5/12/2015 13:52	5/12/2015 16:34	2.7	STIM	FRAC	STIM	Stage 25 Robert C
5/12/2015 16:34	5/12/2015 16:47	0.21 7	STIM	WIRELINE	RULUB	
5/12/2015 16:47	5/12/2015 17:42	0.91 7	STIM	WIRELINE	WLRUND N	
5/12/2015 17:42	5/12/2015 17:50	0.13 3	STIM	WIRELINE	PLUGPE RF	Set Plug @ 13,660' Felix Villanueva
5/12/2015 17:50	5/12/2015 18:39	0.81 7	STIM	WIRELINE	WLRUNU P	
5/12/2015 18:39	5/12/2015 18:46	0.11 7	STIM	WIRELINE	RDLUB	
5/12/2015 18:46	5/12/2015 19:08	0.36 7	STIM	FRAC	PRIME	
5/12/2015 19:08	5/12/2015 19:18	0.16 7	STIM	FRAC	TEST	
5/12/2015 19:18	5/12/2015 22:38	3.33 4	STIM	FRAC	STIM	Stage 26 Ernest Barrera
5/12/2015 22:38	5/12/2015 22:56	0.3	STIM	WIRELINE	RULUB	
5/12/2015 22:56	5/12/2015 23:34	0.63 3	STIM	WIRELINE	WLRUND N	
5/12/2015 23:34	5/12/2015 23:41	0.11 7	STIM	WIRELINE	PLUGPE RF	Set Plug @ 13,423' Felix Villanueva
5/12/2015 23:41	5/13/2015 00:08	0.45	STIM	WIRELINE	WLRUNU P	
5/13/2015 00:08	5/13/2015 00:15	0.11 7	STIM	WIRELINE	RDLUB	
5/13/2015 00:15	5/13/2015 00:35	0.33 3	STIM	FRAC	PRIME	
5/13/2015 00:35	5/13/2015 00:45	0.16 7	STIM	FRAC	TEST	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/13/2015 00:45	5/13/2015 03:29	2.73 3	STIM	FRAC	STIM	Stage 27 Ernest Barrera
5/13/2015 03:29	5/13/2015 03:58	0.48 3	STIM	WIRELINE	RULUB	
5/13/2015 03:58	5/13/2015 04:23	0.41 7	STIM	WIRELINE	WLRUND N	
5/13/2015 04:23	5/13/2015 04:23		STIM	WIRELINE	PLUGPE RF	Set Plug @ 13,180' Felix Villanueva; 3 out of 4 guns fired and had a miss run, will be RIH to shoot last gun.

Report #: 15 Daily Operation: 5/13/2015 04:23 - 5/14/2015 03:52

Job Category ORIG COMPLETION			Primary Job Type OCM		AFE Number 034316	
Days From Spud (days) 168	Days on Location (days) 13	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, 1	

Operations Summary

Pumped Stages 28-30; Rigged down Seismic this morning.
Perf'd stages 28-31.

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/13/2015 04:23	5/13/2015 06:04	1.68 4	STIM	WIRELINE	PLUGPE RF	Set Plug @ 13,180' Felix V.
5/13/2015 06:04	5/13/2015 06:29	0.41 7	STIM	WIRELINE	WLRUNU P	
5/13/2015 06:29	5/13/2015 06:35	0.1	STIM	WIRELINE	RDLUB	
5/13/2015 06:35	5/13/2015 11:11	4.6	STIM	FRAC	PRIME	
5/13/2015 11:11	5/13/2015 11:18	0.11 7	STIM	FRAC	TEST	
5/13/2015 11:18	5/13/2015 14:02	2.73 3	STIM	FRAC	STIM	Stage 28 Robert C.
5/13/2015 14:02	5/13/2015 15:26	1.4	STIM	WIRELINE	RULUB	
5/13/2015 15:26	5/13/2015 16:13	0.78 3	STIM	WIRELINE	WLRUND N	
5/13/2015 16:13	5/13/2015 16:15	0.03 3	STIM	WIRELINE	PLUGPE RF	Set Plug @ 12,928' Robert C.
5/13/2015 16:15	5/13/2015 16:50	0.58 3	STIM	WIRELINE	WLRUNU P	
5/13/2015 16:50	5/13/2015 16:54	0.08 3	STIM	WIRELINE	RDLUB	
5/13/2015 16:54	5/13/2015 17:18	0.4	STIM	FRAC	PRIME	
5/13/2015 17:18	5/13/2015 17:41	0.36 7	STIM	FRAC	TEST	
5/13/2015 17:41	5/13/2015 20:37	2.93 4	STIM	FRAC	STIM	Stage 29 Ernest Barrera
5/13/2015 20:37	5/13/2015 20:50	0.21 7	STIM	WIRELINE	RULUB	
5/13/2015 20:50	5/13/2015 21:37	0.78 3	STIM	WIRELINE	WLRUND N	
5/13/2015 21:37	5/13/2015 21:39	0.03 3	STIM	WIRELINE	PLUGPE RF	Set Plug 12,694' Ernest Barrera
5/13/2015 21:39	5/13/2015 22:05	0.43 3	STIM	WIRELINE	WLRUNU P	
5/13/2015 22:05	5/13/2015 22:11	0.1	STIM	WIRELINE	RDLUB	
5/13/2015 22:11	5/13/2015 22:21	0.16 7	STIM	FRAC	PRIME	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/13/2015 22:21	5/13/2015 22:34	0.21 7	STIM	FRAC	TEST	
5/13/2015 22:34	5/14/2015 02:04	3.5	STIM	FRAC	STIM	Stage 30 Felix Villanueva
5/14/2015 02:04	5/14/2015 02:21	0.28 3	STIM	WIRELINE	RULUB	
5/14/2015 02:21	5/14/2015 02:57	0.6	STIM	WIRELINE	WLRUND N	
5/14/2015 02:57	5/14/2015 03:03	0.1	STIM	WIRELINE	PLUGPE RF	Set Plug 12,451' Felix Villanueva
5/14/2015 03:03	5/14/2015 03:25	0.36 7	STIM	WIRELINE	WLRUNU P	
5/14/2015 03:25	5/14/2015 03:31	0.1	STIM	WIRELINE	RDLUB	
5/14/2015 03:31	5/14/2015 03:43	0.2	STIM	FRAC	PRIME	
5/14/2015 03:43	5/14/2015 03:52	0.15	STIM	FRAC	TEST	

Report #: 16 Daily Operation: 5/14/2015 03:52 - 5/15/2015 03:23

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 034316
Days From Spud (days) 169	Days on Location (days) 14	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, 1	

Operations Summary

Pumped Stages 31-35

Perf'd stages 32-36

Issues with suction centrifugal on blender burned up, replacing it.

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/14/2015 03:52	5/14/2015 06:33	2.68 4	STIM	FRAC	STIM	Stage 31 Ernest B/Hector G
5/14/2015 06:33	5/14/2015 06:52	0.31 7	STIM	WIRELINE	RULUB	
5/14/2015 06:52	5/14/2015 07:30	0.63 3	STIM	WIRELINE	WLRUND N	
5/14/2015 07:30	5/14/2015 07:35	0.08 3	STIM	WIRELINE	PLUGPE RF	Set plug @ 12,208 Hector
5/14/2015 07:35	5/14/2015 07:58	0.38 3	STIM	WIRELINE	WLRUNU P	
5/14/2015 07:58	5/14/2015 08:05	0.11 7	STIM	WIRELINE	RDLUB	
5/14/2015 08:05	5/14/2015 08:10	0.08 3	STIM	FRAC	PRIME	
5/14/2015 08:10	5/14/2015 08:20	0.16 7	STIM	FRAC	TEST	
5/14/2015 08:20	5/14/2015 10:59	2.65	STIM	FRAC	STIM	Stage 32 Robert Calderon
5/14/2015 10:59	5/14/2015 11:40	0.68 3	STIM	WIRELINE	RULUB	
5/14/2015 11:40	5/14/2015 12:17	0.61 7	STIM	WIRELINE	WLRUND N	
5/14/2015 12:17	5/14/2015 12:22	0.08 3	STIM	WIRELINE	PLUGPE RF	Set Plug @ 11,965' Hector G.
5/14/2015 12:22	5/14/2015 12:41	0.31 7	STIM	WIRELINE	WLRUNU P	
5/14/2015 12:41	5/14/2015 12:46	0.08 3	STIM	WIRELINE	RDLUB	
5/14/2015 12:46	5/14/2015 13:04	0.3	STIM	FRAC	PRIME	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/14/2015 13:04	5/14/2015 13:09	0.08 4	STIM	FRAC	TEST	
5/14/2015 13:09	5/14/2015 15:51	2.7	STIM	FRAC	STIM	Stage 33 Robert Calderon
5/14/2015 15:51	5/14/2015 16:00	0.15	STIM	WIRELINE	RULUB	
5/14/2015 16:00	5/14/2015 16:41	0.68 3	STIM	WIRELINE	WLRUND N	
5/14/2015 16:41	5/14/2015 16:44	0.05	STIM	WIRELINE	PLUGPE RF	Set Plug @ 11,722' Robert C.
5/14/2015 16:44	5/14/2015 17:06	0.36 7	STIM	WIRELINE	WLRUNU P	
5/14/2015 17:06	5/14/2015 17:11	0.08 3	STIM	WIRELINE	RDLUB	
5/14/2015 17:11	5/14/2015 17:31	0.33 3	STIM	FRAC	PRIME	
5/14/2015 17:31	5/14/2015 17:49	0.3	STIM	FRAC	TEST	
5/14/2015 17:49	5/14/2015 20:31	2.7	STIM	FRAC	STIM	Stage 34 Felix Villanueva
5/14/2015 20:31	5/14/2015 20:44	0.23 3	STIM	WIRELINE	RULUB	
5/14/2015 20:44	5/14/2015 21:14	0.5	STIM	WIRELINE	WLRUND N	
5/14/2015 21:14	5/14/2015 21:19	0.06 7	STIM	WIRELINE	PLUGPE RF	Set Plug @ 11,486' Felix Villanueva
5/14/2015 21:19	5/14/2015 21:41	0.36 7	STIM	WIRELINE	WLRUNU P	
5/14/2015 21:41	5/14/2015 21:48	0.11 7	STIM	WIRELINE	RDLUB	
5/14/2015 21:48	5/14/2015 21:51	0.05	STIM	FRAC	PRIME	
5/14/2015 21:51	5/14/2015 22:20	0.48 3	STIM	FRAC	TEST	
5/14/2015 22:20	5/15/2015 01:02	2.7	STIM	FRAC	STIM	Stage 35 Ernest Barrera
5/15/2015 01:02	5/15/2015 01:42	0.66 7	STIM	WIRELINE	RULUB	
5/15/2015 01:42	5/15/2015 02:13	0.51 7	STIM	WIRELINE	WLRUND N	
5/15/2015 02:13	5/15/2015 02:16	0.05	STIM	WIRELINE	PLUGPE RF	Set Plug @ 11,236' Ernest Barrera
5/15/2015 02:16	5/15/2015 02:40	0.4	STIM	WIRELINE	WLRUNU P	
5/15/2015 02:40	5/15/2015 02:45	0.08 3	STIM	WIRELINE	RDLUB	
5/15/2015 02:45	5/15/2015 03:10	0.41 7	STIM	FRAC	PRIME	
5/15/2015 03:10	5/15/2015 03:23	0.21 7	STIM	FRAC	TEST	While fracing stage 36, on pad, suction centrifugal pump on blender burned up. Mechanic on location and order another from yard to replace burned one.
Report #: 17 Daily Operation: 5/15/2015 03:23 - 5/16/2015 05:05						
Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 034316
Days From Spud (days) 170	Days on Location (days) 15	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, 1	
Operations Summary Pumped Stages 36-39 Perf'd stages 37-39 Weather was a major delay Remarks						

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/15/2015 03:23	5/15/2015 12:38	9.25	STIM	FRAC	STIM	Stage 36 Hector G. Was down due to PPS having to get parts to replace C pump on Blender. Then restarted stage 36
5/15/2015 12:38	5/15/2015 12:55	0.28 4	STIM	WIRELINE	RULUB	
5/15/2015 12:55	5/15/2015 13:25	0.5	STIM	WIRELINE	WLRUND N	
5/15/2015 13:25	5/15/2015 13:30	0.08 3	STIM	WIRELINE	PLUGPE RF	Set Plug @ 10,993
5/15/2015 13:30	5/15/2015 13:50	0.33 3	STIM	WIRELINE	WLRUNU P	
5/15/2015 13:50	5/15/2015 14:00	0.16 7	STIM	WIRELINE	RDLUB	
5/15/2015 14:00	5/15/2015 14:06	0.1	STIM	FRAC	PRIME	
5/15/2015 14:06	5/15/2015 14:08	0.03 3	STIM	FRAC	TEST	
5/15/2015 14:08	5/15/2015 16:50	2.7	STIM	FRAC	STIM	Stage 37
5/15/2015 16:50	5/15/2015 17:00	0.16 7	STIM	WIRELINE	RULUB	
5/15/2015 17:00	5/15/2015 18:12	1.2	STIM	WIRELINE	WLRUND N	
5/15/2015 18:12	5/15/2015 18:24	0.2	STIM	WIRELINE	PLUGPE RF	Set Plug @ 10,746' Ernest Barrera
5/15/2015 18:24	5/15/2015 18:55	0.51 7	STIM	WIRELINE	WLRUNU P	
5/15/2015 18:55	5/15/2015 19:00	0.08 3	STIM	WIRELINE	RDLUB	
5/15/2015 19:00	5/15/2015 19:12	0.2	STIM	FRAC	PRIME	
5/15/2015 19:12	5/15/2015 19:46	0.56 7	STIM	FRAC	TEST	
5/15/2015 19:46	5/15/2015 22:26	2.66 7	STIM	FRAC	STIM	Stage 38 Felix Villanueva
5/15/2015 22:26	5/15/2015 23:07	0.68 3	STIM	WIRELINE	RULUB	
5/15/2015 23:07	5/15/2015 23:41	0.56 7	STIM	WIRELINE	WLRUND N	
5/15/2015 23:41	5/15/2015 23:52	0.18 3	STIM	WIRELINE	PLUGPE RF	Set Plug @ 10,498' Felix Villanueva
5/15/2015 23:52	5/16/2015 01:30	1.63 3	STIM	WIRELINE	WLRUNU P	
5/16/2015 01:30	5/16/2015 01:39	0.15	STIM	WIRELINE	RDLUB	
5/16/2015 01:39	5/16/2015 01:55	0.26 7	STIM	FRAC	PRIME	
5/16/2015 01:55	5/16/2015 02:01	0.1	STIM	FRAC	TEST	
5/16/2015 02:01	5/16/2015 04:48	2.78 3	STIM	FRAC	STIM	Stage 39 Ernest Barrera
5/16/2015 04:48	5/16/2015 05:05	0.28 3	STIM	WIRELINE	RULUB	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Report #: 18 Daily Operation: 5/16/2015 05:05 - 5/16/2015 21:00

Job Category ORIG COMPLETION			Primary Job Type OCM		AFE Number 034316	
Days From Spud (days) 171	Days on Location (days) 16	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig PIONEER PUMPING SERVICES, 1	

Operations Summary
Pumped Stages 40,41,42
Perf'd Stages 40,41,41, 2-Cap Plugs

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/16/2015 05:05	5/16/2015 05:43	0.63 4	STIM	WIRELINE	WLRUND N	
5/16/2015 05:43	5/16/2015 05:48	0.08 3	STIM	WIRELINE	PLUGPE RF	Set Plug @ 10,252 Felix V.
5/16/2015 05:48	5/16/2015 06:08	0.33 3	STIM	WIRELINE	WLRUNU P	
5/16/2015 06:08	5/16/2015 06:11	0.05	STIM	WIRELINE	RDLUB	
5/16/2015 06:11	5/16/2015 06:24	0.21 7	STIM	FRAC	PRIME	
5/16/2015 06:24	5/16/2015 06:36	0.2	STIM	FRAC	TEST	
5/16/2015 06:36	5/16/2015 09:15	2.65	STIM	FRAC	STIM	Stage 40 Robert Calderon
5/16/2015 09:15	5/16/2015 09:21	0.1	STIM	WIRELINE	RULUB	
5/16/2015 09:21	5/16/2015 09:59	0.63 3	STIM	WIRELINE	WLRUND N	
5/16/2015 09:59	5/16/2015 10:02	0.05	STIM	WIRELINE	PLUGPE RF	Set Plug @ 10,021' Robert C.
5/16/2015 10:02	5/16/2015 10:19	0.28 4	STIM	WIRELINE	WLRUNU P	
5/16/2015 10:19	5/16/2015 10:24	0.08 3	STIM	WIRELINE	RDLUB	
5/16/2015 10:24	5/16/2015 10:31	0.11 7	STIM	FRAC	PRIME	
5/16/2015 10:31	5/16/2015 10:36	0.08 3	STIM	FRAC	TEST	
5/16/2015 10:36	5/16/2015 13:12	2.6	STIM	FRAC	STIM	Stage 41 Robert Calderon
5/16/2015 13:12	5/16/2015 13:19	0.11 7	STIM	WIRELINE	RULUB	
5/16/2015 13:19	5/16/2015 13:51	0.53 3	STIM	WIRELINE	WLRUND N	
5/16/2015 13:51	5/16/2015 13:54	0.05	STIM	WIRELINE	PLUGPE RF	Set Plug @ 9,778' Robert C.
5/16/2015 13:54	5/16/2015 14:12	0.3	STIM	WIRELINE	WLRUNU P	
5/16/2015 14:12	5/16/2015 14:16	0.06 7	STIM	WIRELINE	RDLUB	
5/16/2015 14:16	5/16/2015 14:36	0.33 3	STIM	FRAC	PRIME	
5/16/2015 14:36	5/16/2015 14:46	0.16 7	STIM	FRAC	TEST	
5/16/2015 14:46	5/16/2015 18:20	3.56 7	STIM	FRAC	STIM	Stage 42 Robert Calderon
5/16/2015 18:20	5/16/2015 18:42	0.36 7	STIM	WIRELINE	RULUB	
5/16/2015 18:42	5/16/2015 19:18	0.6	STIM	WIRELINE	WLRUND N	

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/16/2015 19:18	5/16/2015 19:19	0.017	STIM	WIRELINE	PLUGPE RF	Cap Plug 1 Set @ 8,730' Ernest Barrera
5/16/2015 19:19	5/16/2015 19:41	0.367	STIM	WIRELINE	WLRUNUP	
5/16/2015 19:41	5/16/2015 19:50	0.15	STIM	WIRELINE	RDLUB	
5/16/2015 19:50	5/16/2015 19:55	0.083	STIM	WIRELINE	RULUB	
5/16/2015 19:55	5/16/2015 20:26	0.517	STIM	WIRELINE	WLRUNDN	
5/16/2015 20:26	5/16/2015 20:27	0.017	STIM	WIRELINE	PLUGPE RF	Cap Plug 2 Set @ 8,700' Ernest Barrera
5/16/2015 20:27	5/16/2015 20:51	0.4	STIM	WIRELINE	WLRUNUP	
5/16/2015 20:51	5/16/2015 21:00	0.15	STIM	WIRELINE	RDLUB	

Report #: 19 Daily Operation: 5/18/2015 06:00 - 5/18/2015 18:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 034316
Days From Spud (days) 173	Days on Location (days) 16	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig MESA WELL SERVICE, 223	

Operations Summary
SET UP LOC. FOR COMPLETION

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/18/2015 06:00	5/18/2015 06:30	0.5	POSTSTIM	NONOPS	SAFETY	HELD SAFETY MEETING
5/18/2015 06:30	5/18/2015 10:30	4	POSTSTIM	NONOPS	PADWAI T	SET UP LOC. FOR COMPLETION. STAND BY WAIT ON FRAC TO REMOVE EQUIPMENT.
5/18/2015 10:30	5/18/2015 18:00	7.5	POSTSTIM	WORKOVER	RU	MIRU FLOWBACK, FRAC TANKS, WORKSTRING AND RACK, LAYDOWN MACHINE. SPOT IN MESA RIG 223. TALLY TBG. N/U BOP. LOCATION IS READY TO R/U RIG IN AM. CLOSE BLIND RAMS. SDFN.

Report #: 20 Daily Operation: 5/19/2015 07:00 - 5/20/2015 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 034316
Days From Spud (days) 174	Days on Location (days) 17	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig MESA WELL SERVICE, 223	

Operations Summary
SET ANCHORS, R/U MESA RIG 223, TIH W/MILL, D/O PLUGS 1-2

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/19/2015 07:00	5/19/2015 07:30	0.5	POSTSTIM	NONOPS	SAFETY	HELD SAFETY MEETING W/DAY CREW
5/19/2015 07:30	5/19/2015 09:00	1.5	POSTSTIM	WORKOVER	RU	SET 4 ANCHORS FOR RIG.
5/19/2015 09:00	5/19/2015 11:00	2	POSTSTIM	WORKOVER	RU	R/U MESA RIG 223.
5/19/2015 11:00	5/19/2015 12:15	1.25	POSTSTIM	WORKOVER	TEST	HOOK UP REVERSE UNIT TO BACKSIDE. TEST BLIND RAMS AND FLOWBACK EQUIP. TO 3500 PSI. HELD GOOD. CREW LUNCH
5/19/2015 12:15	5/19/2015 18:00	5.75	POSTSTIM	WORKOVER	RIH	OPEN WELL. P/U 4-5/8" OPTICUT BUTTERFLY MILL, XO, 1 JT, R NIPPLE W/DUAL FLAPPERS. CONT TO TIH W/283 JTS OF 2-3/8" PH6 P110 TBG. TURN OVER TO NIGHTS (ERIC LESTER)
5/19/2015 18:00	5/19/2015 19:00	1	POSTSTIM	WORKOVER	RU	R/U UP BJ TONGS, 3.5 SWIVEL AND WORKING HEAD.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/19/2015 19:00	5/19/2015 19:15	0.25	POSTSTIM	NONOPS	SAFETY	CREW CHANGE AND HELD SAFETY MEETING.
5/19/2015 19:15	5/19/2015 20:45	1.5	POSTSTIM	WORKOVER	RU	CONT TO R/U SWIVEL AND WORKING HEAD, LITTLE TROUBLE R/U SWIVEL.
5/19/2015 20:45	5/19/2015 22:00	1.25 5	POSTSTIM	WORKOVER	DOPLUG	D/O 1ST CAP PLUG @ 8700' W/283 JTS 2-3/8" TBG. 1.20 HR DRILL TIME
5/19/2015 22:00	5/19/2015 22:45	0.75	POSTSTIM	WORKOVER	CIRC	PUMP 5 BBLs GEL SWEEP AROUND TO SURFACE.
5/19/2015 22:45	5/19/2015 22:55	0.16 7	POSTSTIM	WORKOVER	RIH	W/D TO 2ND CAP PLUG @ 8730' W/284 JTS 2-3/8" TBG.
5/19/2015 22:55	5/19/2015 23:55	1	POSTSTIM	WORKOVER	CIRC	R/U N2 PUMP AND UNLOAD HOLE @ 1500 SCFM AND 1 BPM TREATED WATER.
5/19/2015 23:55	5/20/2015 01:25	1.5	POSTSTIM	WORKOVER	DOPLUG	DRILL OUT 2ND CAP PLUG IN 1.30 HRS
5/20/2015 01:25	5/20/2015 02:10	0.75	POSTSTIM	WORKOVER	CIRC	PUMP 5 BBL GEL SWEEP AND CIRC TO SURFACE.
5/20/2015 02:10	5/20/2015 02:30	0.33 3	POSTSTIM	WORKOVER	RD	R/D 3.5 SWIVEL
5/20/2015 02:30	5/20/2015 03:30	1	POSTSTIM	WORKOVER	RIH	RIH TO 3RD PLUG @ 9778' AND TAG W/311 JTS. @ 9580' 198' FROM PLUG.
5/20/2015 03:30	5/20/2015 04:45	1.25	POSTSTIM	WORKOVER	RU	CHANGE TOOLS OVER TO 2-7/8" AND CHANGE STRIPPER RUBBER. R/U 3.5 SWIVEL.
5/20/2015 04:45	5/20/2015 05:15	0.5	POSTSTIM	WORKOVER	CIRC	PUT N2 ON HOLE @ 1000 SCFM AND 1 BPM TREATED WATER. UNLOAD HOLE AND TALLEY 2-7/8" TBG.
5/20/2015 05:15	5/20/2015 06:00	0.75	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #3. TURN OVER TO DAYS (KEVIN N.)

Report #: 21 Daily Operation: 5/20/2015 06:00 - 5/21/2015 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 034316	
Days From Spud (days) 175	Days on Location (days) 18	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig MESA WELL SERVICE, 223		

Operations Summary
D/O PLUGS 3-14

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/20/2015 06:00	5/20/2015 06:45	0.75	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #3. PUMPING 1.5 BPM & 1000 SCFM N2.
5/20/2015 06:45	5/20/2015 07:10	0.41 7	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #3 IN 25 MINS.
5/20/2015 07:10	5/20/2015 07:15	0.08 3	POSTSTIM	WORKOVER	CIRC	PUMP 5 BBL 80 VISC SWEEP.
5/20/2015 07:15	5/20/2015 08:00	0.75	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #4 @ 9998'. W/325 JTS.
5/20/2015 08:00	5/20/2015 08:25	0.41 7	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #4 IN 25 MINS. PUMPING 1.75 BPM TREATED WATER, 800 SCFM N2. WELL FLOWING @ 3.6 BPM @ 550 PSI. GETTING GOOD PLUG PARTS
5/20/2015 08:25	5/20/2015 08:35	0.16 7	POSTSTIM	WORKOVER	CIRC	PUMP 5 BBL SWEEP.
5/20/2015 08:35	5/20/2015 09:50	1.25	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #5 @10,240'.
5/20/2015 09:50	5/20/2015 10:05	0.25	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG # 5 IN 15 MINS.
5/20/2015 10:05	5/20/2015 10:15	0.16 7	POSTSTIM	WORKOVER	CIRC	PUMP 5 BBL GEL SWEEP.
5/20/2015 10:15	5/20/2015 11:15	1	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #6 @ 10,490'. WELL FLOWING @ 3.2 BPM @ 400 PSI. MAKING A LOT OF SAND.
5/20/2015 11:15	5/20/2015 11:50	0.58 3	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #6 IN 35 MINS.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/20/2015 11:50	5/20/2015 12:20	0.5	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #7 @10,730' W/349 JTS.
5/20/2015 12:20	5/20/2015 13:05	0.75	POSTSTIM	WORKOVER	CIRC	PUMP 10 BBL SWEEP. INCREASE N2 TO 1200 SCFM TO CIRC BTM UP WHILE CREW TOOK LUNCH. UNLOAD HOLE @ 4.6 BPM @ 750 PSI. SWEEP ON SURFACE IN 35 MINS. DECREASE N2 BACK TO 800 SCFM.
5/20/2015 13:05	5/20/2015 13:40	0.58 3	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #7 IN 35 MINS.
5/20/2015 13:40	5/20/2015 13:50	0.16 7	POSTSTIM	WORKOVER	CIRC	PUMP 5 BBL SWEEP.
5/20/2015 13:50	5/20/2015 14:20	0.5	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #8 @ 10,970' W/356 JTS.
5/20/2015 14:20	5/20/2015 15:05	0.75	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #8 IN 45 MINS.
5/20/2015 15:05	5/20/2015 15:15	0.16 7	POSTSTIM	WORKOVER	CIRC	PUMP 5 BBL SWEEP.
5/20/2015 15:15	5/20/2015 16:15	1	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #9 @11,210' W/364 JTS. WELL MAKING A LOT OF SAND.
5/20/2015 16:15	5/20/2015 16:50	0.58 3	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #9 IN 35 MINS. WELL FLOWING @ 3.1 BPM @ 350 PSI. INCREASE N2 TO 1000 WHILE DRILLING & AND 1200 N2 BETWEEN PLUGS.
5/20/2015 16:50	5/20/2015 17:05	0.25	POSTSTIM	WORKOVER	CIRC	PUMP 10 BBL SWEEP.
5/20/2015 17:05	5/20/2015 17:35	0.5	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #10 @11,459' W372 JTS.
5/20/2015 17:35	5/20/2015 18:00	0.41 7	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #10 IN 25 MINS. TURN OVER TO NIGHTS (ERIC LESTER)
5/20/2015 18:00	5/20/2015 18:15	0.25	POSTSTIM	WORKOVER	CIRC	PUMP 10 BBL SWEEP
5/20/2015 18:15	5/20/2015 19:00	0.75	POSTSTIM	WORKOVER	RIH	W/D TO PLUG 11 @ 11,722' W/380 JTS. TAG PLUG AND PULL UP 10' TO PUMP SWEEP.
5/20/2015 19:00	5/20/2015 19:15	0.25	POSTSTIM	NONOPS	SAFETY	CREW CHANGE AND HELD SAFETY MEETING.
5/20/2015 19:15	5/20/2015 20:25	1.16 7	POSTSTIM	WORKOVER	CIRC	PUMP 15 BBL SWEEP FOR BTMS UP. FLOW RATE 3.5 BPM @ 300 PSI. N2 @ 1500 SCFM AND PUMP RATE @ 1 BPM.
5/20/2015 20:25	5/20/2015 20:45	0.33 3	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #11 IN 20 MINS. FLOW RATE 3.5 @ 400 PSI.
5/20/2015 20:45	5/20/2015 20:55	0.16 7	POSTSTIM	WORKOVER	CIRC	PUMP 10 BBL GEL SWEEP.
5/20/2015 20:55	5/20/2015 21:20	0.41 7	POSTSTIM	WORKOVER	RIH	W/D TO PLUG #12 @ 11,965' W/389 JTS.
5/20/2015 21:20	5/20/2015 22:40	1.33 3	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #12 IN 1 HR 20 MINS. HRS. FLOW RATE 3.5 @ 500 PSI. N2 RATE 1000 SCFM, PUMP RATE 1 BPM @ 3300 PSI.
5/20/2015 22:40	5/20/2015 22:50	0.16 7	POSTSTIM	WORKOVER	CIRC	PUMP 10 BBL SWEEP.
5/20/2015 22:50	5/20/2015 23:50	1	POSTSTIM	WORKOVER	RIH	W/D TO PLUG # 13 @ 12,208' W/396 JTS.
5/20/2015 23:50	5/21/2015 01:30	1.66 7	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #13 IN 1 HR. 40 MINS.
5/21/2015 01:30	5/21/2015 01:40	0.16 7	POSTSTIM	WORKOVER	CIRC	PUMP 10 BBL GEL SWEEP. WELL FLOWING 4 BPM @ 400 PSI.
5/21/2015 01:40	5/21/2015 02:40	1	POSTSTIM	WORKOVER	RIH	CHANGE OUT SAVER SUB. CONT TO W/D TO PLUG #14 @ 12,451' W/404 JTS.
5/21/2015 02:40	5/21/2015 05:10	2.5	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #14 IN 2 1/2 HRS. PUMPING 1 BPM AND N2 @ 1500 SCFM, WELL FLOWING @ 4.8 BPM @ 550 PSI.
5/21/2015 05:10	5/21/2015 06:00	0.83 3	POSTSTIM	WORKOVER	CIRC	PUMP 15 BBL SWEEP AROUND TO SURFACE. CLEAN UP WELL AND GET READY TO POOH TO CHECK MILL. TURN OVER TO DAYS (KEVIN N)

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Report #: 22 Daily Operation: 5/21/2015 06:00 - 5/22/2015 06:00

Job Category ORIG COMPLETION				Primary Job Type OCM			AFE Number 034316	
Days From Spud (days) 176	Days on Location (days) 19	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig MESA WELL SERVICE, 223			

Operations Summary
CIRC BTMS UP, POOH W/MILL, TIH W/MOTOR AND AGITATOR.

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/21/2015 06:00	5/21/2015 06:30	0.5	POSTSTIM	WORKOVER	CIRC	CONT TO CIRC BTMS UP. WELL FLOWING @ 3.9 BPM @ 750 PSI.
5/21/2015 06:30	5/21/2015 07:00	0.5	POSTSTIM	NONOPS	SAFETY	HELD SAFETY MEETING W/DAY CREW.
5/21/2015 07:00	5/21/2015 07:30	0.5	POSTSTIM	WORKOVER	RD	SWEEP TO SURFACE. SHUT DOWN N2 AND PUMP. L/D SWIVEL.
5/21/2015 07:30	5/21/2015 09:00	1.5	POSTSTIM	WORKOVER	POOH	POOH L/D 3 JTS WORKSTRING. WELL WENT FROM 750 PSI TO LESS THAN 50 PSI. IN 30 MINS. PIPE STARTED PULLING HEAVY. R/U SWIVEL
5/21/2015 09:00	5/21/2015 10:30	1.5	POSTSTIM	WORKOVER	CIRC	PU N2 AND TREATED WATER BACK ON HOLE. BREAK CIRC AFTER 40 MINS.
5/21/2015 10:30	5/21/2015 13:00	2.5	POSTSTIM	WORKOVER	POOH	CONT TO SWIVEL OUT BLOWING EVERY 5 JTS. L/D 50 JTS. PIPE PULLING BETTER. R/D SWIVEL. CREW LUNCH
5/21/2015 13:00	5/21/2015 15:00	2	POSTSTIM	WORKOVER	POOH	PIPE PULLING GOOD. L/D SWIVEL AND CONT TO POOH W/42 JTS. STANDING BACK.
5/21/2015 15:00	5/21/2015 15:30	0.5	POSTSTIM	WORKOVER	CIRC	TIE ON TO TBG AND PUMP 55 BBLs BRINE TO CLEAR N2 FROM TBG.
5/21/2015 15:30	5/21/2015 18:00	2.5	POSTSTIM	WORKOVER	POOH	REMOVE X-O AND CHANGE OVER TOOLS TO 2-3/8". CONT TO POOH STANDING BACK 38 STANDS JTS WORKSTRING. CURRENTLY SHUT DOWN DUE TO LIGHTNING. TURN OVER TO NIGHTS (ERIC LESTER)
5/21/2015 18:00	5/21/2015 19:00	1	POSTSTIM	WORKOVER	POOH	CONT TO POOH W/40 STANDS OF 2-3/8" TBG.
5/21/2015 19:00	5/21/2015 19:15	0.25	POSTSTIM	NONOPS	SAFETY	CREW CHANGE AND HELD SAFETY MEETING.
5/21/2015 19:15	5/21/2015 21:15	2	POSTSTIM	WORKOVER	POOH	CONT TO POOH W/77 STANDS AND 1 SINGLE JTS OF 2-3/8" TBG AND MILL. (MILL WAS BAD)
5/21/2015 21:15	5/21/2015 21:30	0.25	POSTSTIM	WORKOVER	TEST	TEST MOTOR @ 2.5 BPM. (TESTED GOOD)
5/21/2015 21:30	5/22/2015 03:15	5.75	POSTSTIM	WORKOVER	RIH	PICK UP 4.63 GLYTHOLOY REVERSE CLUTCH MILL, 2.88 X-TREME MOTOR, 2.88 NOV AGITATOR, BPV AND X-O. 196 JTS 2-3/8", X-O, BPV, TEMPRESS GAS SEPARATOR, X-O AND 160 JTS. 2-3/8" TBG. (RIG CREW TOOK LUNCH)
5/22/2015 03:15	5/22/2015 04:30	1.25	POSTSTIM	WORKOVER	CIRC	CHANGE OVER TO 2-7/8" TOOL AND LOAD TBG W/TREATED WATER.
5/22/2015 04:30	5/22/2015 05:30	1	POSTSTIM	WORKOVER	RIH	RIH W/41 JTS 2-7/8" TBG.
5/22/2015 05:30	5/22/2015 06:00	0.5	POSTSTIM	WORKOVER	RU	R/U SWIVEL AND N2. TURN OVER TO DAYS (KEVIN N.)

Report #: 23 Daily Operation: 5/22/2015 06:00 - 5/23/2015 06:00

Job Category ORIG COMPLETION				Primary Job Type OCM			AFE Number 034316	
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig			
177	20	0.0			MESA WELL SERVICE, 223			

Operations Summary
P/U SWIVEL, BREAK CIRC. D/O PLUGS 15-26

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/22/2015 06:00	5/22/2015 06:30	0.5	POSTSTIM	WORKOVER	RU	CONT TO R/U SWIVEL AND INSTALL NEW STRIPPER RUBBER.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/22/2015 06:30	5/22/2015 07:00	0.5	POSTSTIM	WORKOVER	CIRC	PUT N2 ON WELL @ 1500 SCFM. BRING PUMP ON @ 1.5 BPM.
5/22/2015 07:00	5/22/2015 07:30	0.5	POSTSTIM	NONOPS	SAFETY	HELD SAFETY MEETING W/DAY CREW
5/22/2015 07:30	5/22/2015 08:00	0.5	POSTSTIM	WORKOVER	CIRC	CONT TO PUMP TO ESTABLISH CIRC. BROKE IN 40 MINS. WELL FLOWING @ 4.2 BPM @ 800 PSI. BRINGING SAND. PUMP 5 BBL SWEEP.
5/22/2015 08:00	5/22/2015 09:30	1.5	POSTSTIM	WORKOVER	RIH	BLEED OFF AND CONT TO W/D TO PLUG #15 @ 12,690'.
5/22/2015 09:30	5/22/2015 09:40	0.16 7	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #15 IN 10 MINS.
5/22/2015 09:40	5/22/2015 09:45	0.08 3	POSTSTIM	WORKOVER	CIRC	PUMP 5 BBL SWEEP. WELL FLOWING @750 PSI. 4.6 BPM. PUMPING 1.5 BPM TREATED WATER, 1300 N2.
5/22/2015 09:45	5/22/2015 10:45	1	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #16 @12,928' W/419 JTS.
5/22/2015 10:45	5/22/2015 10:55	0.16 7	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #16 IN 10 MINS.
5/22/2015 10:55	5/22/2015 11:05	0.16 7	POSTSTIM	WORKOVER	CIRC	PUMP 5 BBL SWEEP.
5/22/2015 11:05	5/22/2015 12:05	1	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #17 @ 13,380' W/428 JTS.
5/22/2015 12:05	5/22/2015 13:05	1	POSTSTIM	WORKOVER	CIRC	CIRC BTMS UP WHILE CREW TOOK LUNCH. PUMPING 2.2 BPM, 1500 SCFM, WELL FLOWING @ 550 PSI. 3.2 BPM.
5/22/2015 13:05	5/22/2015 13:30	0.41 7	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #17 IN 25 MINS.
5/22/2015 13:30	5/22/2015 13:40	0.16 7	POSTSTIM	WORKOVER	CIRC	PUMP 5 BBL SWEEP.
5/22/2015 13:40	5/22/2015 14:40	1	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #18 @13,423' W/435 JTS. WASHING SAND ON EVERY JT BETWEEN PLUGS.
5/22/2015 14:40	5/22/2015 15:00	0.33 3	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #18 IN 20 MINS.
5/22/2015 15:00	5/22/2015 15:10	0.16 7	POSTSTIM	WORKOVER	CIRC	PUMP 5 BBL SWEEP
5/22/2015 15:10	5/22/2015 15:40	0.5	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #19 @13,660' W/443 JTS. WELL FLOWING @ 4.6 BPM @ 650 PSI.
5/22/2015 15:40	5/22/2015 15:55	0.25	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #19 IN 15 MINS.
5/22/2015 15:55	5/22/2015 16:00	0.08 3	POSTSTIM	WORKOVER	CIRC	PUMP 5 BBL SWEEP
5/22/2015 16:00	5/22/2015 16:30	0.5	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #20 @13,900'. WELL FLOWING @ 550 PSI. @4.9 BPM. PUMPING 1.5 BPM WATER , 1500 SCFM N2
5/22/2015 16:30	5/22/2015 16:55	0.41 7	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #20 IN 24 MINS.
5/22/2015 16:55	5/22/2015 17:05	0.16 7	POSTSTIM	WORKOVER	CIRC	PUMP 5 BBL SWEEP
5/22/2015 17:05	5/22/2015 17:35	0.5	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #21 @14,150' W/459 JTS.
5/22/2015 17:35	5/22/2015 18:00	0.41 7	POSTSTIM	WORKOVER	DOPLUG	DRILLING ON PLUG #21 TURN OVER TO NIGHTS (ERIC LESTER)
5/22/2015 18:00	5/22/2015 18:10	0.16 7	POSTSTIM	WORKOVER	DOPLUG	CONT TO D/O PLUG #21 IN 35 MINS.
5/22/2015 18:10	5/22/2015 18:20	0.16 7	POSTSTIM	WORKOVER	CIRC	PUMP 10 BBL GEL SWEEP.
5/22/2015 18:20	5/22/2015 19:00	0.66 7	POSTSTIM	WORKOVER	RIH	W/D TO PLUG #22 @ 14,400' W/467 JTS. TAG PLUG #22 AND PICK UP 10'.
5/22/2015 19:00	5/22/2015 19:15	0.25	POSTSTIM	NONOPS	SAFETY	CREW CHANGE AND HELD SAFETY MEETING.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/22/2015 19:15	5/22/2015 20:30	1.25	POSTSTIM	WORKOVER	CIRC	PUMP 15 BBL GEL SWEEP AND PUMP BTMS UP.
5/22/2015 20:30	5/22/2015 20:50	0.33 3	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #22 IN 20 MINS. WELL FLOWING 3.8 BPM @ 450 PSI.
5/22/2015 20:50	5/22/2015 20:55	0.08 3	POSTSTIM	WORKOVER	CIRC	PUMP 5 BBL SWEEP.
5/22/2015 20:55	5/22/2015 22:20	1.41 7	POSTSTIM	WORKOVER	RIH	W/D TO PLUG #23 @ 14,636' W/ 475 JTS.
5/22/2015 22:20	5/22/2015 22:45	0.41 7	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #23 IN 25 MINS.
5/22/2015 22:45	5/22/2015 22:55	0.16 7	POSTSTIM	WORKOVER	CIRC	PUMP 5 BBL GEL SWEEP.
5/22/2015 22:55	5/23/2015 00:05	1.16 7	POSTSTIM	WORKOVER	RIH	W/D TO PLUG #24 @ 14,881' W/482 JTS.
5/23/2015 00:05	5/23/2015 00:15	0.16 7	POSTSTIM	WORKOVER	DOPLUG	START DRILLING ON PLUG #24 AND PLUG STARTED MOVIN DOWN HOLE. PUSH PLUG DOWN HOLE W/2 JTS. (RIG CREW TOOK LUNCH)
5/23/2015 00:15	5/23/2015 01:05	0.83 3	POSTSTIM	WORKOVER	CIRC	PUMP 10 BBL GEL SWEEP WHILE RIG CREW TOOK LUNCH. WELL FLOWING 3.8 BPM @ 650 PSI. N2 RATE @ 1000 SCFM AND 2 BPM TREADED WATER.
5/23/2015 01:05	5/23/2015 02:15	1.16 7	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #25 @ 15,124' W/490 JTS. CONT TO PUSH PLUG #24. BIG FLUID PUMP WENT DOWN, CHANGE OVER TO SMALL PUMP.
5/23/2015 02:15	5/23/2015 02:55	0.66 7	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #25 IN 40 MINS. WELL FLOWING 3.8 BPM @ 500 PSI.
5/23/2015 02:55	5/23/2015 03:05	0.16 7	POSTSTIM	WORKOVER	CIRC	PUMP 5 BBL SWEEP.
5/23/2015 03:05	5/23/2015 03:50	0.75	POSTSTIM	WORKOVER	RIH	W/D TO PLUG #26 @ 15,367' W/498 JTS.
5/23/2015 03:50	5/23/2015 04:20	0.5	POSTSTIM	WORKOVER	CIRC	PUMP 15 BBL SWEEP AND SHUT DOWN FOR LIGHTING. CONT TO PUMP SWEEP AROUND.
5/23/2015 04:20	5/23/2015 05:10	0.83 3	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #26. CHANGE OUT BIG PUMP ON LOC. WELL FLOW 3.8 BPM @ 500 PSI.
5/23/2015 05:10	5/23/2015 05:30	0.33 3	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #26 IN 20 MINS
5/23/2015 05:30	5/23/2015 05:40	0.16 7	POSTSTIM	WORKOVER	CIRC	PUMP 5 BBL SWEEP
5/23/2015 05:40	5/23/2015 06:00	0.33 3	POSTSTIM	WORKOVER	RIH	W/D TO PLUG #27 @ 15,600' W/506 JTS. TURN OVER TO DAYS (KEVIN N.)

Report #: 24 Daily Operation: 5/23/2015 06:00 - 5/24/2015 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 034316	
Days From Spud (days) 178	Days on Location (days) 21	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig MESA WELL SERVICE, 223		

Operations Summary

D/O PLUGS 27-32. BEGIN TO POOH.

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/23/2015 06:00	5/23/2015 06:45	0.75	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #27.
5/23/2015 06:45	5/23/2015 07:00	0.25	POSTSTIM	WORKOVER	CIRC	PUMP 15 BBL SWEEP.
5/23/2015 07:00	5/23/2015 07:30	0.5	POSTSTIM	NONOPS	SAFETY	HELD SAFETY MEETING WITH DAY CREW.
5/23/2015 07:30	5/23/2015 08:15	0.75	POSTSTIM	WORKOVER	CIRC	CONT TO CIRC BTMS UP. SWEEP BACK TO SURFACE IN 50 MINS. WELL UNLOADED FLOWING 5.2 BPM @ 650 PSI.
5/23/2015 08:15	5/23/2015 08:40	0.41 7	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #27 IN 23 MINS.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary						
Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/23/2015 08:40	5/23/2015 08:50	0.16 7	POSTSTIM	WORKOVER	CIRC	PUMP 5 BBL SWEEP
5/23/2015 08:50	5/23/2015 09:20	0.5	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #28 @15,833' W/514 JTS.
5/23/2015 09:20	5/23/2015 09:45	0.43	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #28 IN 27 MINS.
5/23/2015 09:45	5/23/2015 09:50	0.08 3	POSTSTIM	WORKOVER	CIRC	PUMP 5 BBL SWEEP.
5/23/2015 09:50	5/23/2015 10:20	0.5	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #29 @16,075' W/522 JTS. WELL FLOWING @ 4.3 BPM @ 550 PSI. PUMPING 1500 SCFM N2 & 1.5 BPM TREATED WATER
5/23/2015 10:20	5/23/2015 10:50	0.5	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #29 IN 30 MINS.
5/23/2015 10:50	5/23/2015 10:55	0.08 3	POSTSTIM	WORKOVER	CIRC	PUMP 5 BBL SWEEP
5/23/2015 10:55	5/23/2015 11:25	0.5	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #30 @16,322' W/530 JTS.
5/23/2015 11:25	5/23/2015 12:00	0.58 3	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #30 IN 35 MINS.
5/23/2015 12:00	5/23/2015 12:30	0.5	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #31 @16,578' W/539 JTS.
5/23/2015 12:30	5/23/2015 13:45	1.25	POSTSTIM	WORKOVER	CIRC	PUMP 10-10-10 SWEEP AND CIRC BTM UP WHILE CREW TOOK LUNCH. PUMPING 1.5 BPM WATER AND 1800 SCFM N2. WELL FLOWING @ 750 PSI. 5.7 BPM.. GETTING GOOD PLUG PARTS BACK.
5/23/2015 13:45	5/23/2015 14:30	0.75	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #31 IN 45 MINS.
5/23/2015 14:30	5/23/2015 14:35	0.08 3	POSTSTIM	WORKOVER	CIRC	PUMP 5 BBL SWEEP.
5/23/2015 14:35	5/23/2015 15:05	0.5	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #32 @16.806' W/546 JTS.
5/23/2015 15:05	5/23/2015 15:50	0.75	POSTSTIM	WORKOVER	DOPLUG	DRILLING ON PLUG #32. DRILLED FOR 25 MINS. ALMOST THROUGH PLUG AND LOST ROTATION. WORK TBG FOR 20 MINS.
5/23/2015 15:50	5/23/2015 18:00	2.16 7	POSTSTIM	WORKOVER	CIRC	HAVE GOOD CIRC. BUT MOTOR IS STALLED. HAD TO LEAVE IN NEUTRAL WEIGHT AND SHUT DOWN DUE TO SEVERE STORM. TURN OVER TO NIGHTS (ERIC LESTER)
5/23/2015 18:00	5/23/2015 19:00	1	POSTSTIM	WORKOVER	CIRC	CONT TO CIRC WELL AND WORK TBG FREE. GOT ROTATION BACK. PUMP 10 BBL GEL 10 BBL TREATED WATER AND 10 BBL GEL SWEEP AROUND TO SURFACE.
5/23/2015 19:00	5/23/2015 19:15	0.25	POSTSTIM	NONOPS	SAFETY	CREW CHANGE AND HELD SAFETY MEETING.
5/23/2015 19:15	5/23/2015 20:00	0.75	POSTSTIM	WORKOVER	CIRC	CONT TO CIRC AND ROTATE PIPE AND CIRC SWEEP TO SURFACE.
5/23/2015 20:00	5/23/2015 21:30	1.5	POSTSTIM	WORKOVER	POOH	SWIVEL OUT 8 JTS 2-7/8" TBG. CIRC EVERY JT OUT. ON 9TH JT LOST TBG ROTATION AND STARTED PULLING HEAVY. START WORKING TBG.
5/23/2015 21:30	5/24/2015 01:30	4	POSTSTIM	WORKOVER	CIRC	PUMP 10 BBL GEL SWEEP AND CONT TO WORK PIPE. PICK UP RATE TO 2500 SCFM W/N2 UNIT. EOT @ 16'500' PUMP ANOTHER 10 BBL GEL SWEEP AND CONT TO WORK PIPE. BEGAN TO GAIN A LITTLE ROTATION IN TBG. (HEAVY SAND RETURNS) PUMP ANOTHER 15 BBL GEL SWEEP AROUND TO SURFACE AND CONT TO WORK PIPE. (RIG CREW TOOK LUNCH). CONT TO WORK PIPE,
5/24/2015 01:30	5/24/2015 02:45	1.25	POSTSTIM	WORKOVER	CIRC	WORK PIPE FREE. PUMP 15 BBL GEL SWEEP AROUND TO SURFACE W/N2 @ 2500 SCFM AND WATER @ 1.5 BPM. WELL FLOWING 4.5 BPM @ 700 PSI.
5/24/2015 02:45	5/24/2015 04:45	2	POSTSTIM	WORKOVER	POOH	SWIVEL OUT 21 JTS 2-7/8" TBG. CIRC EVERY OTHER JT. DID NOT ROTATE LAST 5 JTS. (PULLED GOOD)

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/24/2015 04:45	5/24/2015 05:15	0.5	POSTSTIM	WORKOVER	RD	R/D SWIVEL AND R/U TO POOH W/ELEVATORS. CIRC ON WELL WHILE R/D SWIVEL.
5/24/2015 05:15	5/24/2015 05:25	0.16 7	POSTSTIM	WORKOVER	POOH	COULD NOT PULL TBG AFTER R/D SWIVEL. (PULLING HEAVY)
5/24/2015 05:25	5/24/2015 05:40	0.25	POSTSTIM	WORKOVER	RU	R/U SWIVEL
5/24/2015 05:40	5/24/2015 06:00	0.33 3	POSTSTIM	WORKOVER	POOH	PICK UP 1 JT 2-7/8" TBG BREAK CIRC. AND CONT TO POOH. TURN OVER TO DAYS (KEVIN N.)

Report #: 25 Daily Operation: 5/24/2015 06:00 - 5/25/2015 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 034316
Days From Spud (days) 179	Days on Location (days) 22	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig MESA WELL SERVICE, 223	

Operations Summary
SWIVEL OUT OF HOLE

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/24/2015 06:00	5/24/2015 07:00	1	POSTSTIM	WORKOVER	CIRC	CONT TO BREAK CIRC. WELL CAME AROUND IN 45 MINS. FLOWING @ 800 PSI 6.2 BPM. COULD NOT PULL.
5/24/2015 07:00	5/24/2015 07:30	0.5	POSTSTIM	NONOPS	SAFETY	HELD SAFETY MEETING W/DAY CREW.
5/24/2015 07:30	5/24/2015 08:30	1	POSTSTIM	WORKOVER	POOH	CONT TO WORK ON TBG PUMPING 1800 SCFM N2 AND 2 BPM TREATED WATER. WORK TBG FROM 110K LBS DOWN TO 60K. TBG CAME FREE AFTER 45 MINS.
5/24/2015 08:30	5/24/2015 09:30	1	POSTSTIM	WORKOVER	CIRC	PUMP 15 BBL SWEEP. CIRC BTMS UP. SWEEP TO SURFACE IN 50 MINS. WELL FLOWING @ 3.9 BPM @650PSI.
5/24/2015 09:30	5/24/2015 10:00	0.5	POSTSTIM	WORKOVER	POOH	TURN OFF N2 AND WATER. POOH WITH 1 JTS. 6' UP ON NEXT JT. TBG HUNG UP. PUT N2 BACK ON HOLE. LOST 1000 PSI OF TBG PRESSURE IN 10 MINS.
5/24/2015 10:00	5/24/2015 12:00	2	POSTSTIM	WORKOVER	CIRC	CONT TO PUMP N2 AND WATER. WHILE WORKING TO FREE PIPE. WORK PIPE PULLING UP TO 125,000#. OPEN BACKSIDE AND PUMP N2 AND FLUID DOWN TBG AND CSG. SIMULTANEOUSLY. PRESSURE UP BACKSIDE TO 800 PSI.
5/24/2015 12:00	5/24/2015 13:00	1	POSTSTIM	WORKOVER	CIRC	PUMP 20 BBL SWEEP. WHILE CREW TOOK LUNCH. CIRC PRESSURE @4800 PSI. LEFT CSG CLOSED FOR 10 MINS TO CHECK PRESSURE BUILD UP. NO ADDITIONAL PRESSURE.
5/24/2015 13:00	5/24/2015 14:00	1	POSTSTIM	WORKOVER	CIRC	SURGE BACKSIDE. 2 TIMES AND TBG BEGAN TO ROTATE. ROTATE ON TBG UNTIL SWEEP CAME TO SURFACE.
5/24/2015 14:00	5/24/2015 18:00	4	POSTSTIM	WORKOVER	POOH	BEGIN TO POOH W/32 SWIVEL BLOWING ON EACH JT. TBG HANGS UP PERIODICALLY. CANT PULL MORE THAN 15' PR/MIN. WITHOUT HANGING UP. PUMPING .75 BPM WATER AND 1000 SCFM N2 TO KEEP WELL CIRCULATING. POOH W/27 JTS ON THIS SHIFT. 56 TOTAL OUT. EOT AT SHIFT CHANGE IS 15,037' TURN OVER TO NIGHTS (ERIC LESTER)
5/24/2015 18:00	5/24/2015 19:00	1	POSTSTIM	WORKOVER	POOH	CONT TO POOH W/6 JTS 2-7/8" TBG PULLING SLOW. CIRC ON EVERY JT. WELL FLOWING @ 4.0 BPM @ 500 PSI.
5/24/2015 19:00	5/24/2015 19:15	0.25	POSTSTIM	NONOPS	SAFETY	CREW CHANGE AND HELD SAFETY MEETING.
5/24/2015 19:15	5/25/2015 00:00	4.75	POSTSTIM	WORKOVER	POOH	CONT TO SWIVEL OUT OF HOLE W/30 JTS OF 2-7/8" TBG. FOUND 4 STRING FLOATS BAD (CAUSING HIGHER PRESSURE). CONT TO TRIED TO PULL PIPE W/NO ROTATION AND STARTED TO PULL HEAVY. CONT TO SWIVEL OUT CIRC. ON EVERY JTS. N2 RATE @ 1500 SCFM, 1.5 BPM ON TREATED WATER. WELL FLOW BACK @ 4.1 BPM @520 PSI.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/25/2015 00:00	5/25/2015 01:15	1.25	POSTSTIM	WORKOVER	CIRC	RIG CREW TOOK LUNCH. SHUT DOWN N2 AND PUMP 15 BBL SWEEP, BRING N2 BACK ONLINE @ 2500 SCFM AND 1.5 BPM ON TREATED WATER. PUMP SWEEP AROUND TO SURFACE. FLOW BACK @ 4.8 @ 680 PSI.
5/25/2015 01:15	5/25/2015 03:00	1.75	POSTSTIM	WORKOVER	POOH	CONT TO SWIVEL OUT 16 JTS 2-7/8" TBG. CIRC ON EVERY JT. CIRC PRESSURE 2300 PSI, WELLHEAD 4.3 BPM @ 575 PSI. S/D N2 UNIT AND FLUID PUMP AND POOH W/5 JTS W/NO ROTATION, TBG PULLED FREE @ 82K. MADE CALLS TO R/D SWIVEL AND PULL PIPE
5/25/2015 03:00	5/25/2015 03:15	0.25	POSTSTIM	WORKOVER	RD	R/D SWIVEL
5/25/2015 03:15	5/25/2015 03:30	0.25	POSTSTIM	WORKOVER	POOH	POOH W/6 JTS 2-7/8" TBG IN STANDS @ 72K. ON 7TH JT STARTED PULLING HEAVY, PULLED UP TO 100K, WORK PIPE COULD NOT WORK FREE. WELLHEAD FLOWING @ 1 BPM @ 25 PSI.
5/25/2015 03:30	5/25/2015 03:45	0.25	POSTSTIM	WORKOVER	RU	R/U SWIVEL.
5/25/2015 03:45	5/25/2015 06:00	2.25	POSTSTIM	WORKOVER	POOH	CONT TO POOH W/9 JTS SWIVELING OUT PUMPING FLUID ONLY. AFTER SWIVEL OUT 3 JTS, COULD NOT PUMP DOWN TBG. (LAST 2 STRING FLOATS, BTM HALF OF FLOAT UNSCREWED AND FELL ON TOP OF NEXT FLOAT) CONT TO TRY TO SWIVEL OUT TO NEXT FLOAT. (4 MORE JTS TO FLOAT). POOH W/73 JTS TOTAL ON THIS SHIFT. EOT @ 12,337' TURN OVER TO DAYS (KEVIN N.)

Report #: 26 Daily Operation: 5/25/2015 06:00 - 5/26/2015 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 034316
Days From Spud (days) 180	Days on Location (days) 23	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig MESA WELL SERVICE, 223	

Operations Summary

CONT TO SWIVEL OOH. POOH, CHANGE MILL AND MOTOR, TIH W/NEW MOTOR AND MILL

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/25/2015 06:00	5/25/2015 07:00	1	POSTSTIM	WORKOVER	CIRC	CONT TO POOH W/1 JT TBG. PUT N2 ON HOLE @ 1000 SCFM. @4800 PSI. COULD NOT PUMP WATER DUE TO PRESSURE.
5/25/2015 07:00	5/25/2015 09:00	2	POSTSTIM	WORKOVER	CIRC	CONT TO PUMP N2. @1000 SCFM. BROKE CIRC IN 40 MINS. UNLOAD HOLE WHILE SHUT DOWN DUE TO SEVERE STORM.
5/25/2015 09:00	5/25/2015 10:00	1	POSTSTIM	WORKOVER	POOH	BLEED TBG. PRESSURE. CONT TO SWIVEL OUT W/4 JTS. REMOVE LAST STRING FLOAT. BTM WAS GONE. ON TOP OF XO SUB 50 JTS BELOW. CONT TO SWIVEL OUT W/12 JTS. STARTED PULLING HEAVY. BACKSIDE WENT FROM 600 PSI TO 50 PSI IN 25 MINS.
5/25/2015 10:00	5/25/2015 10:30	0.5	POSTSTIM	WORKOVER	CIRC	PUT N2 ON HOLE @ 1000 SCFM. PRESSURE UP TO 5000 PSI. COULD NOT CONTINUE TO PUMP. BLEED OFF TBG.
5/25/2015 10:30	5/25/2015 13:00	2.5	POSTSTIM	WORKOVER	POOH	CONT TO SWIVEL OUT W/46 JTS OF 2-7/8 WORKSTRING.
5/25/2015 13:00	5/25/2015 13:30	0.5	POSTSTIM	WORKOVER	POOH	CHANGE OVER TOOLS TO 2-3/8". POOH W/ XO SUB. CLOSE BOP. CHANGE STRIPPER RUBBER.
5/25/2015 13:30	5/25/2015 15:00	1.5	POSTSTIM	WORKOVER	CIRC	HOOK UP N2 AND PUMP TO TBG. START N2 @ 1500 SCFM AND 1.5 BPM TREATED WATER. PRESSUE BUILT TO 2200 PSI. PUMP 20 BBL 90 VISC SWEEP WHILE CREW TOOK LUNCH.
5/25/2015 15:00	5/25/2015 15:30	0.5	POSTSTIM	WORKOVER	RD	BROKE CIRC IN 25 MINS. SWEEP TO SURFACE IN 35 MINS. 1 LARGE PIECE OF ELEMENT IN PLUG CATCHER. L/D SWIVEL

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/25/2015 15:30	5/25/2015 18:00	2.5	POSTSTIM	WORKOVER	POOH	POOH WITH 22 STANDS 2-3/8" TBG. ONLY HUNG UP 2 TIMES. CONT TO POOH W/116 JTS TBG. STANDING BACK. REMOVE SEPERATOR. CONT TO POOH W/20 JTS TBG. TURN OVER TO NIGHTS (ERIC LESTER)
5/25/2015 18:00	5/25/2015 19:00	1	POSTSTIM	WORKOVER	POOH	CONT TO POOH W/154 JTS 2-3/8"TBG. REMOVING GAS SEP.
5/25/2015 19:00	5/25/2015 19:15	0.25	POSTSTIM	NONOPS	SAFETY	CREW CHANGE AND HELD SAFETY MEETING.
5/25/2015 19:15	5/25/2015 19:45	0.5	POSTSTIM	WORKOVER	CIRC	PUMP 40 BBLs OF 10# BRINE WATER TO KILL WELL.
5/25/2015 19:45	5/25/2015 20:30	0.75	POSTSTIM	WORKOVER	POOH	CONT TO POOH W/44 JTS 2-3/8"TBG AND BHA.
5/25/2015 20:30	5/25/2015 20:45	0.25	POSTSTIM	WORKOVER	TEST	TEST MOTOR. (TESTED GOOD)
5/25/2015 20:45	5/26/2015 05:00	8.25	POSTSTIM	WORKOVER	RIH	PICK UP 4.62 REVERSE CLUTCH GLYPHALLOY MILL, 2.88 XTREME AIR MOTOR, 2.88 HYDRO-PULL, 2.88 SCREEN SUB, 2.88 BPV, 2.76 X-O. RIH W/155 JTS 2-3/8" TBG, 2.89 X-O, GAS SEPARATOR, 2.88 BPV, 2.88 X-O, 139 JTS 2-3/8" TBG, 3.12 X-O, 3.102 X-O, 2.88 GAS SEPARATOR, 2.88 X-O, AND 62 JTS 2-3/8" TBG. CHANGE OVER TOOLS AND RIH W/X-O AND 96 JTS OF 2-7/8". EOT @14,074' (FIGHTING FRICTION)
5/26/2015 05:00	5/26/2015 05:30	0.5	POSTSTIM	WORKOVER	RU	TIE RIG BACK, RIG UP SWIVEL AND REPLACE STRIPPER RUBBER. R/U N2 AND GET READY TO BREAK CIRC.
5/26/2015 05:30	5/26/2015 06:00	0.5	POSTSTIM	WORKOVER	CIRC	BREAK CIRC W/N2 @ 1500 SCFM AND 1.25 BPM ON TREATED WATER. TURN OVER TO DAYS (KEVIN N)

Report #: 27 Daily Operation: 5/26/2015 06:00 - 5/27/2015 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 034316
Days From Spud (days) 181	Days on Location (days) 24	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig MESA WELL SERVICE, 223	

Operations Summary

TIH W/ MOTOR AND MILL, D/O PLUGS 32-39

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/26/2015 06:00	5/26/2015 07:00	1	POSTSTIM	WORKOVER	CIRC	CONT TO CIRC. PUMP 10 BBL SWEEP. CIRC SWEEP TO SURFACE IN 75 MINS. WELL FLOWING @ 6.1 BPM @ 700 PSI. 10 PERCENT OIL CUT.
5/26/2015 07:00	5/26/2015 07:30	0.5	POSTSTIM	NONOPS	SAFETY	HELD SAFETY MEETING WITH DAY CREW.
5/26/2015 07:30	5/26/2015 08:30	1	POSTSTIM	WORKOVER	KILL	CUT N2. PUMP 30 BBLs TREATED WATER TO CLEAR N2 TO BPV @ 6000'. KILL TBG.
5/26/2015 08:30	5/26/2015 10:00	1.5	POSTSTIM	WORKOVER	RIH	START SWIVELING TBG IN HOLE. SWIVEL IN A TOTAL OF 21 JTS. EOT 14,632'.
5/26/2015 10:00	5/26/2015 10:40	0.67	POSTSTIM	WORKOVER	CIRC	PUT N2 AND WATER BACK ON HOLE. CHARGE UP BACKSIDE BACK TO 600 PSI. PUMP FOR 40 MINS. BACKSIDE HAD FALLEN DOWN TO 150 PSI. IN 40 MINS.
5/26/2015 10:40	5/26/2015 11:10	0.5	POSTSTIM	WORKOVER	RIH	CONT TO SWIVEL IN W/25 JTS TBG. EOT @15,380'.
5/26/2015 11:10	5/26/2015 11:40	0.5	POSTSTIM	WORKOVER	CIRC	PUT N2 @1500 SCFM & 1.7 2 BPM TREATED WATER BACK ON HOLE. CHARGE BACKSIDE BACK UP TO 625 PSI WELL FLOWING @ 5.4 BPM.
5/26/2015 11:40	5/26/2015 12:25	0.75	POSTSTIM	WORKOVER	RIH	CONT TO SWIVEL IN W/22 JTS TBG. EOT @16,060'.
5/26/2015 12:25	5/26/2015 13:25	1	POSTSTIM	WORKOVER	CIRC	PUMP 5 BBL SWEEP. PUT N2 AND WATER BACK ON HOLE. CIRC WHIL CREW TOOK LUNCH
5/26/2015 13:25	5/26/2015 14:40	1.25	POSTSTIM	WORKOVER	RIH	SWEEP TO SURFACE IN 55 MINS. CONT TO SWIVEL IN HOLE TO PLUG #32 @ 16,806'.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/26/2015 14:40	5/26/2015 14:45	0.08 3	POSTSTIM	WORKOVER	DOPLUG	D/O REMAINDER OF PLUG #32 IN 5 MINS.
5/26/2015 14:45	5/26/2015 15:45	1	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #33 @ 17,044' W/552 JTS.
5/26/2015 15:45	5/26/2015 16:10	0.41 7	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #33 IN 25 MINS. TOOK IT EASY ON FIRST PLUG WITH MILL TO CONDITON MILL.
5/26/2015 16:10	5/26/2015 16:20	0.16 7	POSTSTIM	WORKOVER	CIRC	PUMP 5 BBL SWEEP.
5/26/2015 16:20	5/26/2015 17:05	0.75	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #34 @ 17,300' W/562 JTS.
5/26/2015 17:05	5/26/2015 17:15	0.16 7	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #34 IN 10 MINS.
5/26/2015 17:15	5/26/2015 17:25	0.16 7	POSTSTIM	WORKOVER	CIRC	PUMP 5 BBL SWEEP.
5/26/2015 17:25	5/26/2015 18:00	0.58 3	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #35 @ 17,536' W/567 JTS
5/26/2015 18:00	5/26/2015 19:00	1	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #35 @ 17,536'. 4 JTS BEFORE PLUG TBG STOP ROTATING. POOH WITH 1 JTS AND CONT TO WORK PIPE.
5/26/2015 19:00	5/26/2015 20:15	1.25	POSTSTIM	WORKOVER	CIRC	PUMP 20 BBL 100 VIS GEL SWEEP, UP N2 RATE TO 1500 SCFM AND 2.0 BPM TREATED WATER. AROUND TO SURFACE. (CHECK PLUG CATCH GOOD PLUG PARTS)
5/26/2015 20:15	5/26/2015 21:15	1	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #35. WORK JT #532. DOWN, (TRASH AROUND TBG AND BIT). WELL FLOWING 3.8 BPM @ 600 PSI.
5/26/2015 21:15	5/26/2015 22:15	1	POSTSTIM	WORKOVER	CIRC	PUMP 10 BBL SWEEP AROUND TO CLEAN UP HOLE BEFORE CONT ON.
5/26/2015 22:15	5/26/2015 22:40	0.41 7	POSTSTIM	WORKOVER	RIH	W/D TO PLUG #35 @ 17,536' W/567 JTS
5/26/2015 22:40	5/26/2015 23:00	0.33 3	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #35 IN 20 MINS
5/26/2015 23:00	5/26/2015 23:05	0.08 3	POSTSTIM	WORKOVER	CIRC	PUMP 5 BBL SWEEP. WELL HEAD 3.8 BPM @ 550 PSI.
5/26/2015 23:05	5/26/2015 23:15	0.16 7	POSTSTIM	WORKOVER	RIH	W/D TO PLUG #36 @ 17,558' W/568 JTS
5/26/2015 23:15	5/26/2015 23:40	0.41 7	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG # 36 IN 18 MINS
5/26/2015 23:40	5/27/2015 01:00	1.33 3	POSTSTIM	WORKOVER	CIRC	PUMP 5 BBL SWEEP AND CIRC WELL FOR RIG CREW TO TAKE LUNCH.
5/27/2015 01:00	5/27/2015 01:35	0.58 3	POSTSTIM	WORKOVER	RIH	W/D TP PLUG #37 @ 17,792' W/576 JTS 2-7/8" TBG
5/27/2015 01:35	5/27/2015 02:00	0.41 7	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #37 IN 20 MINS
5/27/2015 02:00	5/27/2015 02:10	0.16 7	POSTSTIM	WORKOVER	CIRC	PUMP 5 BBL SWEEP. WELL FLOWING 3.8 BPM @ 460 PSI
5/27/2015 02:10	5/27/2015 05:30	3.33 3	POSTSTIM	WORKOVER	RIH	W/D TO PLUG #38 @ 18,040' W/584 JTS 2-7/8" TBG. TAG PLUG #38 AND STARTED PUSHING DOWN HOLE, CONT TO PUSH AND W/D TO PLUG #39 @ 18,285 W/592 JTS.
5/27/2015 05:30	5/27/2015 06:00	0.5	POSTSTIM	WORKOVER	DOPLUG	DRILLING ON PLUG #39 TURN OVER TO DAYS (KEVIN N.)

Report #: 28 Daily Operation: 5/27/2015 06:00 - 5/28/2015 06:00

Job Category	Primary Job Type			AFE Number	
ORIG COMPLETION	OCM			034316	
Days From Spud (days)	Days on Location (days)	End Depth (ftKB)	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig
182	25	0.0			MESA WELL SERVICE, 223

Operations Summary

D/O PLUGS 40-45, CLEAN TO PBTD, PUMP BTM SWEEPS, POOH W/19 JTS,

Remarks

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/27/2015 06:00	5/27/2015 06:15	0.25	POSTSTIM	WORKOVER	DOPLUG	CONT TO D/O PLUG #39 IN 15 MINS.
5/27/2015 06:15	5/27/2015 06:35	0.34	POSTSTIM	WORKOVER	CIRC	PUMP 20 BBL 100 VISC SWEEP.
5/27/2015 06:35	5/27/2015 07:35	1	POSTSTIM	WORKOVER	CIRC	PUMP BTMS UP @ 1800 N2 1.75 BPM TREATED WATER. WELL FLOWING @ 3.6 BPM @ 550PSI.
5/27/2015 07:35	5/27/2015 08:20	0.75	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #40 @ 18,500' W/601 JTS.
5/27/2015 08:20	5/27/2015 08:45	0.41 7	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #40 IN 25 MINS.
5/27/2015 08:45	5/27/2015 08:55	0.16 7	POSTSTIM	WORKOVER	CIRC	PUMP 10 BBL SWEEP
5/27/2015 08:55	5/27/2015 09:40	0.75	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #41. PLUG WAS NOT THERE.
5/27/2015 09:40	5/27/2015 10:25	0.75	POSTSTIM	WORKOVER	RIH	CONT TO W/D PUSHING PLUG 41 DOWN TO 18,900'.
5/27/2015 10:25	5/27/2015 10:40	0.25	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #41 IN 15 MINS.
5/27/2015 10:40	5/27/2015 10:45	0.08 3	POSTSTIM	WORKOVER	CIRC	PUMP 5 BBL SWEEP
5/27/2015 10:45	5/27/2015 11:30	0.75	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #42 @ 19,000'
5/27/2015 11:30	5/27/2015 12:10	0.66 7	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #42 IN 40 MINS.
5/27/2015 12:10	5/27/2015 13:25	1.25	POSTSTIM	WORKOVER	CIRC	PUMP 10/10 /10 SWEEP. CIRC BTMS UP @ 1800 SCFM N2 AND 1.75 BPM WATER. WELL FLOWING @3.9 BPM @ 650 PSI.
5/27/2015 13:25	5/27/2015 14:10	0.75	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #43 @19,247'
5/27/2015 14:10	5/27/2015 14:25	0.25	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #43 IN 15 MINS.
5/27/2015 14:25	5/27/2015 14:35	0.16 7	POSTSTIM	WORKOVER	CIRC	PUMP 10 BBL SWEEP.
5/27/2015 14:35	5/27/2015 15:35	1	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #44 @19,476' W/631 JTS.
5/27/2015 15:35	5/27/2015 16:05	0.5	POSTSTIM	WORKOVER	DOPLUG	D/O PLUG #44 IN 30 MINS.
5/27/2015 16:05	5/27/2015 16:15	0.16 7	POSTSTIM	WORKOVER	CIRC	PUMP 10 BBL SWEEP.
5/27/2015 16:15	5/27/2015 17:15	1	POSTSTIM	WORKOVER	RIH	CONT TO W/D TO PLUG #45. PLUG WAS NOT THERE. CONT TO W/D TO PBTD @ 19,732'. DRILL FOR 20 MINS ON PLUG TO BREAK UP. P/U TO PUMP SWEEPS. TURN OVER TO NIGHTS (ERIC LESTER)
5/27/2015 17:15	5/27/2015 18:00	0.75	POSTSTIM	WORKOVER	DOPLUG	DRILL FOR 20 MINS ON PLUG TO BREAK UP. P/U TO PUMP SWEEPS. TURN OVER TO NIGHTS (ERIC LESTER)
5/27/2015 18:00	5/27/2015 22:00	4	POSTSTIM	WORKOVER	CIRC	PICK UP 10' AND S/D N2 PUMP. PUMP 20 BBL 120 VISC GEL SWEEP W/5 BBL SPACER, BRING N2 BACK ONLINE AND PUMP @ 1500 SCFM AND 2 BPM TREATED WATER FOR 30 MINS. S/D N2 PUMP AND PUMP 10 BBL 120 VISC GEL SWEEP W/ 5 BBL SPACER, BRING N2 PUMP BACK ONLINE AND PUMP FOR 30 MINS, S/D N2 PUMP AND PUMP 20 BBL 120 VISC GEL SWEEP W/5 BBL SPACER, BRING N2 PUMP BACK ONLINE @ 2500 SCFM AND 1.25 BPM TREATED WATER. CREW CHANGE AND HELD SAFETY MEETING. CONT TO CIRC SWEEPS OUT OF HOLE. CIRC ON WELL AND CLEAN UP HOLE, CONT TO WORK PIPE AND ROTATE.
5/27/2015 22:00	5/28/2015 00:00	2	POSTSTIM	WORKOVER	POOH	POOH SWIVELING OUT W/17 JTS 2-7/8" TBG, STARTED PULL HEAVY AFTER REMOVING 1ST STRING FLOAT. PIPE HUNG, CONT TO WORK.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/28/2015 00:00	5/28/2015 01:00	1	POSTSTIM	WORKOVER	CIRC	PUMP 20 BBL, 120 VISC GEL SWEEP AROUND TO SURFACE (WORK PIPE) WHILE RIG CREW TOOK LUNCH.
5/28/2015 01:00	5/28/2015 02:00	1	POSTSTIM	WORKOVER	POOH	WORK PIPE FREE AND CONT TO SWIVEL OUT W/2 JTS 2-7/8" TBG. AFTER 3RD JTS PIPE HUNG UP AGAIN. WORK PIPE AND CIRC ON WELL @ 1500 SCFM AND 2 BPM TREATED WATER. WELL FLOWING BACK @ 4.0 BPM @550 PSI.
5/28/2015 02:00	5/28/2015 03:00	1	POSTSTIM	WORKOVER	CIRC	PUMP 10 BBL 120 VISC SWEEP WHILE WORKING PIPE.
5/28/2015 03:00	5/28/2015 03:30	0.5	POSTSTIM	WORKOVER	POOH	CONT TO WORK STUCK PIPE.
5/28/2015 03:30	5/28/2015 06:00	2.5	POSTSTIM	WORKOVER	CIRC	S/D N2 PUMP, PUMP 10 BBL SWEEP AND 70 BBLs TREATED WATER. BRING N2 PUMP BACK ONLINE @ 2500 SCFM AND CIRC WELL AND CONT TO WORK PIPE. (NO MOVEMENT). WELL FLOWING 4.0 BPM @ 600 PSI. CONT TO WORK PIPE, SURGE WELL, VERY LITTLE ROTATION. PULLED 19 JTS TOTAL LEAVING EOT @ 19,150' TURN OVER TO DAYS (KEVIN N.)

Report #: 29 Daily Operation: 5/28/2015 06:00 - 5/29/2015 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 034316
Days From Spud (days) 183	Days on Location (days) 26	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig MESA WELL SERVICE, 223	

Operations Summary

SWIVEL OOH PUMPING OUT. 149 JTS OUT TOTAL

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/28/2015 06:00	5/28/2015 06:45	0.75	POSTSTIM	WORKOVER	CIRC	CONT TO ESTABLISH ROTATION. PUMP 20 BBL 120 VISC SWEEP. OPEN SAND SEPARTATOR. CIRC SWEEP TO SURFACE IN 48 MINS. PUMPING 2500 SCFM N2 AND 1.5 BPM WATER.
5/28/2015 06:45	5/28/2015 07:45	1	POSTSTIM	WORKOVER	POOH	CONT TO WORK ON STUCK PIPE. PULL TROM 50K TO 130K. TORQUEING UP AND LETTING TORQUE OUT OF PIPE. PULLED UP TO 140K. PUT TORQUE IN PIPE. TBG JUMPED 3'. WORK TBG DOWN FROM 140K TO 80K. P/U AND TBG BEGAN TO ROTATE. POOH W/1 JT.
5/28/2015 07:45	5/28/2015 08:30	0.75	POSTSTIM	WORKOVER	CIRC	PUMP 20 BBL 130 VISC SWEEP. LET SWEEP CONT TO SURFACE. OUT IN 35 MINS. AV'S WERE 396' PR/MIN. NOT PARTS IN PLUG CATCHER
5/28/2015 08:30	5/28/2015 12:30	4	POSTSTIM	WORKOVER	POOH	CONT TO SWIVEL OUT W/50 JTS PUMPING ON EACH JT.
5/28/2015 12:30	5/28/2015 13:30	1	POSTSTIM	WORKOVER	CIRC	PUMP 20 BBL SWEEP. CIRC WHILE CREW TOOK LUNCH. SWEEP BACK IN 35 MINS. NO PARTS IN PLUG CATCHER.
5/28/2015 13:30	5/28/2015 17:00	3.5	POSTSTIM	WORKOVER	POOH	CONT TO SWIVEL OUT W/77 JTS PUMPING EVERY JOINT.
5/28/2015 17:00	5/28/2015 18:00	1	POSTSTIM	WORKOVER	CIRC	PUMP N2 @1500 AND 2.5 BPM WATER WHILE SHUT DOWN DUE TO WEATHER. TURN OVER TO NIGHTS (ERIC LESTER)
5/28/2015 18:00	5/28/2015 19:00	1	POSTSTIM	WORKOVER	CIRC	CONT TO CIRC. DO TO WEATHER.
5/28/2015 19:00	5/28/2015 20:15	1.25	POSTSTIM	WORKOVER	POOH	CREW CHANGE AND HELD SAFETY MEETING. S/D PUMPS AND SWIVEL OUT 10 JTS 2-7/8" TBG.
5/28/2015 20:15	5/28/2015 21:00	0.75	POSTSTIM	WORKOVER	CIRC	R/U N2 PUMP @ 1500 SCFM AND 2 BPM WATER AND CHARGE WELL BACK UP. PUMP TBG KILL.
5/28/2015 21:00	5/28/2015 22:30	1.5	POSTSTIM	WORKOVER	POOH	SWIVEL OUT W/15 JTS. ON JTS 15 STARTED HANGING UP. WELL HEAD DROPPED TO 300 PSI.
5/28/2015 22:30	5/28/2015 23:20	0.83 4	POSTSTIM	WORKOVER	CIRC	R/U AND CHARGE WELL BACK UP W/N/2 PUMP @ 1500 SCFM AND 2 BPM.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/28/2015 23:20	5/29/2015 00:00	0.66 7	POSTSTIM	WORKOVER	POOH	CONT TO SWIVEL OUT W/10 JTS 2-7/8" TBG.
5/29/2015 00:00	5/29/2015 01:00	1	POSTSTIM	WORKOVER	CIRC	PUMP 15 BBL 120 VISC SWEEP @2500 SCFM AND 1 BPM WATER AROUND TO SURFACE. (RIG CREW TOOK LUNCH)
5/29/2015 01:00	5/29/2015 02:00	1	POSTSTIM	WORKOVER	POOH	CONT TO SWIVEL OUT W/13 JTS 2-7/8 TBG. WELL HEAD FELL OFF TO 300 PSI, CONT TO PULL SLOW TO KEEP FROM PULLING HEAVY.
5/29/2015 02:00	5/29/2015 02:45	0.75	POSTSTIM	WORKOVER	CIRC	R/U N2 AND CHARGE WELL BACK UP. CIRC WELL @ 1500 SCFM AND 2 BPM WATER.
5/29/2015 02:45	5/29/2015 03:30	0.75	POSTSTIM	WORKOVER	POOH	SWIVEL OUT W/13 JTS 2-7/8" TBG. STARTED PULLING HEAVY.
5/29/2015 03:30	5/29/2015 04:15	0.75	POSTSTIM	WORKOVER	CIRC	R/U AND PUMP N/2 @ 1500 SCFM @ 1 BPM TO CHARGE WELL UP.
5/29/2015 04:15	5/29/2015 04:40	0.41 7	POSTSTIM	WORKOVER	POOH	CONT TO SWIVEL OUT W/6 JTS 2-7/8" TBG. (STILL PULLING HEAVY EVERY 10 TO 12 JTS)
5/29/2015 04:40	5/29/2015 05:40	1	POSTSTIM	WORKOVER	CIRC	PUMP 15 BBL 120 VISC GEL SWEEP. AROUND TO SURFACE. UP N2 TO 2500 SCFM AND 1 BPM WATER.
5/29/2015 05:40	5/29/2015 06:00	0.33 3	POSTSTIM	WORKOVER	POOH	CONT TO SWIVEL OUT 5 JTS 2-7/8" TBG, LEAVING EOT @ 14,477' W/469 JTS IN HOLE. TURN OVER TO DAYS (KEVIN N.)

Report #: 30 Daily Operation: 5/29/2015 06:00 - 5/30/2015 06:00

Job Category ORIG COMPLETION			Primary Job Type OCM			AFE Number 034316
Days From Spud (days) 184	Days on Location (days) 27	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig MESA WELL SERVICE, 223	

Operations Summary
CONT TO SWIVEL OOH W/133 JTS 2-7/8 TBG, POOH W/356 JTS 2-3/8" TBG. START IN HOLE W/PACKER

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/29/2015 06:00	5/29/2015 07:30	1.5	POSTSTIM	WORKOVER	POOH	CONT TO SWIVEL OOH W/ 21 JTS TBG. STARTED HANGING UP ON EACH JT.
5/29/2015 07:30	5/29/2015 08:15	0.75	POSTSTIM	WORKOVER	CIRC	START N2 AND WATER. UNLOAD HOLE.
5/29/2015 08:15	5/29/2015 09:45	1.5	POSTSTIM	WORKOVER	POOH	CONT TO POOH W/16 JTS TBG.
5/29/2015 09:45	5/29/2015 10:15	0.5	PRESTIM	WORKOVER	CIRC	START N2 AND WATER TO UNLOAD HOLE.
5/29/2015 10:15	5/29/2015 11:45	1.5	POSTSTIM	WORKOVER	POOH	CONT TO SWIVEL OUT W/23 JTS TBG. HUNG UP. FREED UP.
5/29/2015 11:45	5/29/2015 13:00	1.25	POSTSTIM	WORKOVER	CIRC	PUMP 10 BBL 120 VISC SWEEP. PUT N2 ON HOLE @ 1800 SCFM. CIRC SWEEP AROUND IN 25 MINS. NO PARTS IN CATCHER. CREW LUNCH
5/29/2015 13:00	5/29/2015 14:15	1.25	POSTSTIM	WORKOVER	POOH	CONT TO POOH W/ 15 JTS TBG.
5/29/2015 14:15	5/29/2015 15:00	0.75	POSTSTIM	WORKOVER	CIRC	UNLOAD HOLE W/N2 AND WATER.
5/29/2015 15:00	5/29/2015 16:00	1	POSTSTIM	WORKOVER	POOH	CONT TO SWIVEL OUT W/21 JTS.
5/29/2015 16:00	5/29/2015 17:00	1	POSTSTIM	WORKOVER	POOH	P/U TO 2-3/8 XO. CHANGE STRIPPER RUBBER. LAY DOWN 2 JTS.
5/29/2015 17:00	5/29/2015 18:00	1	POSTSTIM	WORKOVER	CIRC	PUMP 20 BBL 120 VISC SWEEP. CHASE W/25 BBLs TREATED WATER. PUT N2 ON HOLE @ 1800 SCFM BRING SWEEP TO SURFACE. TURN OVER TO NIGHTS.
5/29/2015 18:00	5/29/2015 18:15	0.25	POSTSTIM	WORKOVER	CIRC	CONT TO CIRC SWEEP TO SURFACE.
5/29/2015 18:15	5/29/2015 18:45	0.5	POSTSTIM	WORKOVER	RD	BLEED OF TBG DOWN TO SEP. R/D SWIVEL

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/29/2015 18:45	5/29/2015 23:45	5	POSTSTIM	WORKOVER	POOH	POOH W/282 JTS 2-3/8" TBG. REMOVING BOTH SEPARATORS.
5/29/2015 23:45	5/30/2015 01:45	2	POSTSTIM	WORKOVER	CIRC	S/D DO TO WEATHER. PUMP 300 BBLS OF FLUSH DOWN CSG. (RIG TOOK LUNCH) 72 JTS 2-3/8" TBG IN HOLE.
5/30/2015 01:45	5/30/2015 03:15	1.5	POSTSTIM	WORKOVER	POOH	CONT TO POOH W/72 JTS 2-3/8" TBG. LAY DOWN BHA.
5/30/2015 03:15	5/30/2015 04:00	0.75	POSTSTIM	WORKOVER	RU	R/U WIRELINE
5/30/2015 04:00	5/30/2015 05:00	1	POSTSTIM	WORKOVER	WIRELIN E	RIH W/4.50 GAGE RING & JUNK BASKET TO 9000" CORRELATE W/SHORT JTS. POOH W/GAGE RING
5/30/2015 05:00	5/30/2015 06:00	1	POSTSTIM	WORKOVER	WIRELIN E	START IN HOLE W/5-1/2 ARROWSET PACKER TO SET @ 8887'. TURN OVER TO DAYS.

Report #: 31 Daily Operation: 5/30/2015 06:00 - 5/30/2015 18:00

Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 034316
Days From Spud (days) 185	Days on Location (days) 28	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig MESA WELL SERVICE, 223	

Operations Summary

SET PKR, N/U BOP, P/U ESP

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/30/2015 06:00	5/30/2015 07:00	1	POSTSTIM	WORKOVER	WIRELIN E	CONT TO RIH W/ 5-1/2 AS1-X PKR. CORRELATE TO SHORT JOINT. CONT TO RIH AND SET PKR @ 8887'.
5/30/2015 07:00	5/30/2015 07:45	0.75	POSTSTIM	WORKOVER	WIRELIN E	POOH W/SETTING TOOL.
5/30/2015 07:45	5/30/2015 08:30	0.75	POSTSTIM	WORKOVER	RD	RIG DOWN E-LINE EQUIPMENT.
5/30/2015 08:30	5/30/2015 09:30	1	POSTSTIM	NONOPS	PLANNE D	SHUT DOWN DUE TO WEATHER
5/30/2015 09:30	5/30/2015 10:30	1	POSTSTIM	WORKOVER	RD	P/U RIG FLOOR, N/D BOP AND FLOW CROSS.
5/30/2015 10:30	5/30/2015 11:30	1	POSTSTIM	WORKOVER	RU	N/U DSA,GT6 SPOOL, BOP, HYDRIL BOP.
5/30/2015 11:30	5/30/2015 12:00	0.5	POSTSTIM	NONOPS	PLANNE D	CREW LUNCH
5/30/2015 12:00	5/30/2015 18:00	6	POSTSTIM	WORKOVER	RIH	P/U AND RIH W/8JTS TAILPIPE, CAVINS DESANDER, ESP ASSEMBLY, 112 JTS 2-7/8" TBG BANDING 3 PER JT. SWI, INSTALL TIW VALVE, SDFN.

Report #: 32 Daily Operation: 5/31/2015 07:00 - 5/31/2015 18:00

Job Category ORIG COMPLETION				Primary Job Type OCM		AFE Number 034316
Days From Spud (days) 186	Days on Location (days) 28	End Depth (ftKB) 0.0	End Depth (TVD) (ftKB)	Dens Last Mud (lb/gal)	Rig MESA WELL SERVICE, 223	

Operations Summary

RUN ESP, LAND TBG, PUMP OUT PLUG, R/D MESA 223, TURN OVER TO PRODUCTION.

Remarks

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/31/2015 07:00	5/31/2015 07:30	0.5	POSTSTIM	NONOPS	SAFETY	HELD SAFETY MEETING.
5/31/2015 07:30	5/31/2015 11:00	3.5	POSTSTIM	WORKOVER	RIH	SICP 0 PSI. OPEN BOP. CONT TO TIH W/135 JTS 2-7/8" L-80 TBG AND ESP. BANDING 3 PER JT.
5/31/2015 11:00	5/31/2015 11:30	0.5	POSTSTIM	NONOPS	PLANNE D	CREW LUNCH
5/31/2015 11:30	5/31/2015 12:15	0.75	POSTSTIM	WORKOVER	RIH	CONT TO TIH W/24 JTS L-80 TBG.
5/31/2015 12:15	5/31/2015 12:45	0.5	POSTSTIM	WORKOVER	RIH	MAKE SPLICE AND TIE IN CAP STRING LINE TO HANGER. LAND IN HANGER.

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Time Log Summary

Start Date	End Date	Dur (hr)	Activity	Activity Detail	Operation	Com
5/31/2015 12:45	5/31/2015 13:15	0.5	POSTSTIM	WORKOVER	RD	N/D ANNULAR BOP AND TRIPLE BOP.
5/31/2015 13:15	5/31/2015 13:45	0.5	POSTSTIM	WORKOVER	TEST	N/U WELL HEAD AND VOID TEST TO 4000 PSI. HELD GOOD.
5/31/2015 13:45	5/31/2015 14:00	0.25	POSTSTIM	WORKOVER	RU	INSTALL MASTER VALVE AND SUB.
5/31/2015 14:00	5/31/2015 15:30	1.5	POSTSTIM	NONOPS	PLANNE D	WAIT ON ELECTRICIANS TO COMPLETE SURFACE EQUIPMENT TIE IN
5/31/2015 15:30	5/31/2015 16:00	0.5	POSTSTIM	WORKOVER	TEST	TEST ESP PUMP 10 BBLS TO PIT. ALL TEST GOOD.
5/31/2015 16:00	5/31/2015 16:30	0.5	POSTSTIM	WORKOVER	KILL	HOOK UP REVERSE UNIT TO BACKSIDE. LOAD CSG W/6 BBLS FRESH WATER. PRESSURE UP TO 2200 PSI. PUMPED OUT PLUG IN PKR. PUMP 10 BBLS @300 PSI @ 3 BPM.
5/31/2015 16:30	5/31/2015 17:30	1	POSTSTIM	WORKOVER	RD	SWI. R/D REVERSE UNIT. R/D MESA RIG #223. MOVE RIG TO EDGE OF LOCATION. LEFT WELL SHUT IN. *****TURN OVER TO PRODUCTION*****

WELL DETAILS

Well Name UNIVERSITY 7-43 #21H	API/UWI 42-003-46351-0000	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	26.0	120.0	11/14/2014	11/14/2014
Surface	17 1/2	120.0	1,867.0	11/26/2014	11/27/2014
Intermediate	12 1/4	1,867.0	8,337.0	11/30/2014	12/8/2014
Production	8 1/2	8,337.0	19,913.0	1/18/2015	2/3/2015

Conductor Casing

Run Date 11/14/2014	Set Depth (ftKB) 120.0				Centralizers 0			
Item Des	OD (in)	ID (in)	Wt/Lgth (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)
Conductor	20	19.124	94.00	J-55	120.00	3	0.0	120.0

Surface Casing

Set Depth (ftKB)	Run Date	Centralizers						
1,867.0	11/28/2014	20						
Item Des	OD (in)	ID (in)	Wt/Lgth (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)
Casing Joints	13 3/8	12.615	54.50	J-55	1,821.20	44	0.0	1,821.2
Float Collar	13 3/8	12.615		J-55	1.50	1	1,821.2	1,822.7
Casing Joints	13 3/8	12.615	54.50	J-55	42.83	1	1,822.7	1,865.5
Float Shoe	13 3/8	12.615		J-55	1.50	1	1,865.5	1,867.0

Surface Casing Cement

Type Casing	String Surface, 1,867.0ftKB	Cementing Start Date 11/28/2014	Cementing End Date 11/29/2014	Cementing Company BASIC ENERGY SERVICES	Top (ftKB) 26.0	Btm (ftKB) 1,867.0
Class Freshwater	Amount (sacks) 0	Yield (ft³/sack)	Density (lb/gal)			
Class Class C	Amount (sacks) 736	Yield (ft³/sack) 1.94	Density (lb/gal)			
Class Class C	Amount (sacks) 285	Yield (ft³/sack) 1.71	Density (lb/gal)			
Class Freshwater	Amount (sacks) 0	Yield (ft³/sack)	Density (lb/gal)			

Intermediate Casing

Set Depth (ftKB)	Run Date	Centralizers						
8,316.0	12/11/2014	0						
Item Des	OD (in)	ID (in)	Wt/Lgth (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)
Landing Joint	9 5/8	8.755		L-80	28.20	1	0.0	28.2
Pup Joint	9 5/8	8.755		L-80	5.00	1	28.2	33.2
Casing Joints	9 5/8	8.755	43.50	L-80	6,786.92	146	33.2	6,820.1

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Item Des		OD (in)	ID (in)	Wt/Lgth (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)	
Stage Tool		9 5/8	8.755		L-80	3.00	1	6,820.1	6,823.1	
Casing Joints		9 5/8	8.755	43.50	L-80	1,398.19	30	6,823.1	8,221.3	
Float Collar		9 5/8	8.755		L-80	1.50	1	8,221.3	8,222.8	
Casing Joints		9 5/8	8.755	43.50	L-80	91.97	2	8,222.8	8,314.8	
Float Shoe		9 5/8	8.755		L-80	1.25	1	8,314.8	8,316.0	
Intermediate Casing Cement										
Type	String	Cementing Start Date		Cementing End Date		Cementing Company		Top (ftKB)	Btm (ftKB)	
Casing	Intermediate, 8,316.0ftKB	12/11/2014		12/11/2014		SCHLUMBERGER		5,770.0	8,316.0	
Class		Amount (sacks)		Yield (ft³/sack)		Density (lb/gal)				
Water				0						
Class		Amount (sacks)		Yield (ft³/sack)		Density (lb/gal)				
Mud Push				0						
Class		Amount (sacks)		Yield (ft³/sack)		Density (lb/gal)				
TXI LITEWEIGHT		255		2.95		0.00				
Class		Amount (sacks)		Yield (ft³/sack)		Density (lb/gal)				
TXI LITEWEIGHT		140		1.63		12.50				
Class		Amount (sacks)		Yield (ft³/sack)		Density (lb/gal)				
Displace				0						
Type	String	Cementing Start Date		Cementing End Date		Cementing Company		Top (ftKB)	Btm (ftKB)	
Casing	Intermediate, 8,316.0ftKB	12/11/2014		12/11/2014		SCHLUMBERGER		3,780.0	6,546.0	
Class		Amount (sacks)		Yield (ft³/sack)		Density (lb/gal)				
water				0						
Class		Amount (sacks)		Yield (ft³/sack)		Density (lb/gal)				
water				0						
Class		Amount (sacks)		Yield (ft³/sack)		Density (lb/gal)				
water		255		2.95						
Class		Amount (sacks)		Yield (ft³/sack)		Density (lb/gal)				
TXI LITEWEIGHT		140		1.63						
Class		Amount (sacks)		Yield (ft³/sack)		Density (lb/gal)				
TXI LITEWEIGHT				0		1.63				
Production Casing										
Set Depth (ftKB)	Run Date	Centralizers								
19,894.0	2/4/2015	6								
Item Des		OD (in)	ID (in)	Wt/Lgth (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)	
Marker Joint		5 1/2	4.766	20.00	P-110 IC	0.00	0	0.0	0.0	
Casing Joints - RytWrap		5 1/2	4.766	20.00	P-110 IC	0.00	0	0.0	0.0	
Landing Joint		5 1/2	4.766	20.00	P-110 IC	28.30	1	0.0	28.3	
Casing Hanger		5 1/2	4.766		P-110 IC	3.00	1	28.3	31.3	
Casing Joints - RytWrap		5 1/2	4.766	20.00	P-110 IC	8,574.86	203	31.3	8,606.2	
Marker Joint		5 1/2	4.766	20.00	P-110 IC	21.42	1	8,606.2	8,627.6	
Casing Joints - RytWrap		5 1/2	4.766	20.00	P-110 IC	86.26	2	8,627.6	8,713.9	
Marker Joint		5 1/2	4.766	20.00	P-110 IC	19.89	1	8,713.9	8,733.8	
Casing Joints - RytWrap		5 1/2	4.766	20.00	P-110 IC	10,998.58	261	8,733.8	19,732.3	
COACH GUN		5 1/2	4.766	20.00	P-110 IC	28.00	1	19,732.3	19,760.3	
Casing Joints - RytWrap		5 1/2	4.766	20.00	P-110 IC	43.02	1	19,760.3	19,803.4	
Float Collar		5 1/2	4.766	20.00	P-110 IC	1.45	1	19,803.4	19,804.8	
Casing Joints - RytWrap		5 1/2	4.766	20.00	P-110 IC	86.35	2	19,804.8	19,891.2	
Float Shoe		5 1/2	4.766	20.00	P-110 IC	2.85	1	19,891.2	19,894.0	
Production Casing Cement										
Type	String	Cementing Start Date		Cementing End Date		Cementing Company		Top (ftKB)	Btm (ftKB)	
Casing	Production, 19,894.0ftKB	2/6/2015		2/6/2015		SCHLUMBERGER		4,444.0	19,913.0	
Class		Amount (sacks)		Yield (ft³/sack)		Density (lb/gal)				
Mud Push				0		9.50				
Class		Amount (sacks)		Yield (ft³/sack)		Density (lb/gal)				
TXI LITEWEIGHT		165		3.01		11.00				
Class		Amount (sacks)		Yield (ft³/sack)		Density (lb/gal)				
TXI LITEWEIGHT		1,560		1.91		12.50				
Class		Amount (sacks)		Yield (ft³/sack)		Density (lb/gal)				
Dsplmt				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)					

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Perforations

Top (ftKB)	Btm (ftKB)	Zone	Shot Dens (shots/ft)	Entered Shot Total	Com
9,564.0	9,749.0	L. Spraberry, Original Hole	5.0	40	Stage 42 Robert Calderon
9,807.0	9,992.0	L. Spraberry, Original Hole	5.0	40	Stage 41 Robert Calderon
10,050.0	10,235.0	L. Spraberry, Original Hole	5.0	40	Stage 40 Ernest Barrera
10,293.0	10,478.0	L. Spraberry, Original Hole	5.0	40	Stage 39 Felix Villanueva
10,536.0	10,721.0	L. Spraberry, Original Hole	5.0	40	Stage 38 Ernest Barrera
10,779.0	10,964.0	L. Spraberry, Original Hole	5.0	40	Stage 37 Hector Garcia
11,022.0	11,207.0	L. Spraberry, Original Hole	5.0	40	Stage 36 Ernest Barrera
11,265.0	11,450.0	L. Spraberry, Original Hole	5.0	40	Stage 35 Felix Villanueva
11,508.0	11,693.0	L. Spraberry, Original Hole	5.0	40	Stage 34 Robert Calderon
11,751.0	11,936.0	L. Spraberry, Original Hole	5.0	40	Stage 33 Hector Garcia
11,994.0	12,179.0	L. Spraberry, Original Hole	5.0	40	Stage 32 Hector Garcia
12,237.0	12,422.0	L. Spraberry, Original Hole	5.0	40	Stage 31 Felix Villanueva
12,480.0	12,665.0	L. Spraberry, Original Hole	5.0	40	Stage 30 Ernest Barrera
12,723.0	12,908.0	L. Spraberry, Original Hole	5.0	40	Stage 29 Robert Calderon
12,966.0	13,151.0	L. Spraberry, Original Hole	5.0	40	Stage 28 Hector Garcia
13,209.0	13,394.0	L. Spraberry, Original Hole	5.0	40	Stage 27 Felix Villanueva
13,452.0	13,637.0	L. Spraberry, Original Hole	5.0	40	Stage 26 Felix Villanueva
13,695.0	13,880.0	L. Spraberry, Original Hole	5.0	40	Stage 25 Robert Calderon
13,938.0	14,123.0	L. Spraberry, Original Hole	5.0	40	Stage 24 Hector Garcia
14,181.0	14,366.0	L. Spraberry, Original Hole	5.0	40	Stage 23 Rudy Trevino
14,424.0	14,609.0	L. Spraberry, Original Hole	5.0	40	Stage 22 Rudy Trevino
14,667.0	14,852.0	L. Spraberry, Original Hole	5.0	40	Stage 21 Rudy Trevino
14,910.0	15,095.0	L. Spraberry, Original Hole	5.0	40	Stage 20 / Joseph McGee
15,153.0	15,338.0	L. Spraberry, Original Hole	5.0	40	Stage 19 Clint Sims
15,396.0	15,581.0	L. Spraberry, Original Hole	5.0	40	Stage 18 Rudy Trevino
15,639.0	15,824.0	L. Spraberry, Original Hole	5.0	40	Stage 17 Rudy Trevino
15,882.0	16,067.0	L. Spraberry, Original Hole	5.0	40	Stage 16 Joseph McGee
16,125.0	16,310.0	L. Spraberry, Original Hole	5.0	40	Stage 15 Clint Sims
16,368.0	16,553.0	L. Spraberry, Original Hole	5.0	40	Stage 14 Rudy Trevino
16,611.0	16,796.0	L. Spraberry, Original Hole	5.0	40	Stage 13 Clint Sims
16,854.0	17,039.0	L. Spraberry, Original Hole	5.0	40	Stage 12 Clint Sims
17,097.0	17,282.0	L. Spraberry, Original Hole	5.0	40	Stage 11 Rudy Trevino
17,340.0	17,525.0	L. Spraberry, Original Hole	5.0	40	Stage 10 Clint Sims
17,583.0	17,768.0	L. Spraberry, Original Hole	5.0	40	Stage 9 / Joseph McGee
17,826.0	18,011.0	L. Spraberry, Original Hole	5.0	40	Stage 8 Rudy Trevino
18,069.0	18,254.0	L. Spraberry, Original Hole	5.0	40	Stage 7 Jaime Aguilar
18,312.0	18,497.0	L. Spraberry, Original Hole	5.0	40	Stage 6 Jaime Aguilar
18,555.0	18,740.0	L. Spraberry, Original Hole	5.0	40	Stage 5 Joseph McGee
18,798.0	18,983.0	L. Spraberry, Original Hole	5.0	40	Stage 4 Clint Sims
19,041.0	19,226.0	L. Spraberry, Original Hole	5.0	40	Stage 3 Jaime Aguilar
19,284.0	19,469.0	L. Spraberry, Original Hole	5.0	40	Stage 2 Joseph McGee
19,527.0	19,712.0	L. Spraberry, Original Hole	5.0	40	Stage 1 Rudy Trevino
19,732.0	19,760.0	LSS, Original Hole	5.0	1	

Stimulations & Treatments (Actual)

Stage 1 Joseph McGee, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/6/2015	Frac	PIONEER PUMPING SERVICES	19,527.0	19,683.0	Brown Sand 335710 lbm	12,064.00

Stage 2 Clint Sims, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/6/2015	Frac	PIONEER PUMPING SERVICES	19,284.0	19,469.0	Brown Sand 336590 lbm	11,848.00

Stage 3 Rudy/ Jaime, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/7/2015	Frac	PIONEER PUMPING SERVICES	19,041.0	19,226.0	Brown Sand 282525 lbm	11,568.00

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Stimulations & Treatments (Actual)

Stage 4 Joseph McGee, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/7/2015	Frac	PIONEER PUMPING SERVICES	18,798.0	18,983.0	Brown Sand 337280 lbm	11,982.00

Stage 5 Clint Sims, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/7/2015	Frac	PIONEER PUMPING SERVICES	18,555.0	18,740.0	Brown Sand 336905 lbm	12,617.00

Stage 6 Rudy / Jaime, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/7/2015	Frac	PIONEER PUMPING SERVICES	18,312.0	18,497.0	Brown Sand 336745 lbm	11,925.00

Stage 7 Rudy/ Jaime, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/8/2015	Frac	PIONEER PUMPING SERVICES	18,069.0	18,254.0	Brown Sand 337047 lbm	11,914.00

Stage 8 Joseph McGee, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/8/2015	Frac	PIONEER PUMPING SERVICES	17,826.0	18,011.0	Brown Sand 337137 lbm	11,864.00

Stage 9 Clint Sims, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/8/2015	Frac	PIONEER PUMPING SERVICES	17,583.0	17,768.0	Brown Sand 336299 lbm	11,895.00

Stage 10 Jaime Aguilar, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/9/2015	Frac	PIONEER PUMPING SERVICES	17,340.0	17,525.0	Brown Sand 337319 lbm	14,862.00

Stage 11 Clint Sims, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/9/2015	Frac	PIONEER PUMPING SERVICES	17,097.0	17,282.0	Brown Sand 336536 lbm	11,926.00

Stage 12 Joseph McGee, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/9/2015	Frac	PIONEER PUMPING SERVICES	16,854.0	17,039.0	Brown Sand 336483 lbm	11,982.00

Stage 13 Jaime Aguilar, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/9/2015	Frac	PIONEER PUMPING SERVICES	16,611.0	16,796.0	Brown Sand 338230 lbm	12,105.00

Stage 14 Clint Sims, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/10/2015	Frac	PIONEER PUMPING SERVICES	16,368.0	16,553.0	Brown Sand 336917 lbm	11,916.00

Stage 15 Joseph McGee, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/10/2015	Frac	PIONEER PUMPING SERVICES	16,125.0	16,310.0	Brown Sand 336618 lbm	13,945.00

Stage 16 Jaime Aguilar, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/10/2015	Frac	PIONEER PUMPING SERVICES	15,882.0	16,067.0	Brown Sand 336739 lbm	11,860.00

Stage 17 Jaime Aguilar, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/11/2015	Frac	PIONEER PUMPING SERVICES	15,639.0	15,824.0	Brown Sand 336224 lbm	11,938.00

Stage 18 Jaime Aguilar, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/11/2015	Frac	PIONEER PUMPING SERVICES	15,396.0	15,581.0	Brown Sand 337491 lbm	11,858.00

Stage 19 Joseph McGee, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/11/2015	Frac	PIONEER PUMPING SERVICES	15,153.0	15,338.0	Brown Sand 339935 lbm	11,885.00

Stage 20 Clint Sims, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/11/2015	Frac	PIONEER PUMPING SERVICES	14,910.0	15,095.0	Brown Sand 336668 lbm	11,800.00

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Stimulations & Treatments (Actual)

Stage 21 Jaime Aguilar, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/11/2015	Frac	PIONEER PUMPING SERVICES	14,667.0	14,852.0	Brown Sand 337350 lbm	11,742.00

Stage 22 Jaime Aguilar, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/12/2015	Frac	PIONEER PUMPING SERVICES	14,424.0	14,609.0	Brown Sand 338795 lbm	11,984.00

Stage 23 Jaime Aguilar, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/12/2015	Frac	PIONEER PUMPING SERVICES	14,181.0	14,366.0	Brown Sand 330081 lbm	11,884.00

Stage 24 Hector Garcia, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/12/2015	Frac	PIONEER PUMPING SERVICES	13,938.0	14,123.0	Brown Sand 338496 lbm	11,830.00

Stage 25 Robert Calderon, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/12/2015	Frac	PIONEER PUMPING SERVICES	13,695.0	13,880.0	Brown Sand 336640 lbm	11,786.00

Stage 26 Ernest Barrera, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/12/2015	Frac	PIONEER PUMPING SERVICES	13,452.0	13,637.0	Brown Sand 337603 lbm	11,915.00

Stage 27 Ernest Barrera, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/13/2015	Frac	PIONEER PUMPING SERVICES	13,209.0	13,394.0	Brown Sand 338812 lbm	11,912.00

Stage 28 Robert Calderon, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/13/2015	Frac	PIONEER PUMPING SERVICES	12,966.0	13,151.0	Brown Sand 338014 lbm	11,848.00

Stage 29 Ernest Barrera, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/13/2015	Frac	PIONEER PUMPING SERVICES	12,723.0	12,908.0	Brown Sand 338805 lbm	11,980.00

Stage 30 Felix Villanueva, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/13/2015	Frac	PIONEER PUMPING SERVICES	12,480.0	12,665.0	Brown Sand 337591 lbm	12,393.00

Stage 31 Hector Garcia, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/14/2015	Frac	PIONEER PUMPING SERVICES	12,237.0	12,422.0	Brown Sand 338468 lbm	11,808.00

Stage 32 Robert Calderon, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/14/2015	Frac	PIONEER PUMPING SERVICES	11,994.0	12,179.0	Brown Sand 338492 lbm	11,719.00

Stage 33 Robert Calderon, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/14/2015	Frac	PIONEER PUMPING SERVICES	11,751.0	11,936.0	Brown Sand 337749 lbm	11,874.00

Stage 34 Felix Villanueva, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/14/2015	Frac	PIONEER PUMPING SERVICES	11,508.0	11,693.0	Brown Sand 338887 lbm	11,832.00

Stage 35 Ernest Barrera, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/14/2015	Frac	PIONEER PUMPING SERVICES	11,265.0	11,450.0	Brown Sand 335277 lbm	11,802.00

Stage 36 Hector Garcia, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/15/2015	Frac	PIONEER PUMPING SERVICES	11,022.0	11,207.0	Brown Sand 337665 lbm	11,476.00

Stage 37 Robert Calderon, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/15/2015	Frac	PIONEER PUMPING SERVICES	10,779.0	10,964.0	Brown Sand 339095 lbm	11,762.00

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Stimulations & Treatments (Actual)

Stage 38 Felix Villanueva, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/15/2015	Frac	PIONEER PUMPING SERVICES	10,536.0	10,721.0	Brown Sand 336395 lbm	11,745.00

Stage 39 Ernest Barrera, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/16/2015	Frac	PIONEER PUMPING SERVICES	10,293.0	10,478.0	Brown Sand 337074 lbm	11,787.00

Stage 40 Robert Calderon, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/16/2015	Frac	PIONEER PUMPING SERVICES	10,050.0	10,235.0	Brown Sand 339911 lbm	11,765.00

Stage 41 Robert Calderon, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/16/2015	Frac	PIONEER PUMPING SERVICES	9,807.0	9,992.0	Brown Sand 340593 lbm	11,672.00

Stage 42 Robert Calderon, L. Spraberry, Original Hole

Date	Type	Stim/Treat Company	Min Top Depth (ftKB)	Max Btm Depth (ftKB)	Total Add Amount	Total Clean Volume (bbl)
5/16/2015	Frac	PIONEER PUMPING SERVICES	9,564.0	9,749.0	Brown Sand 416384 lbm	12,478.00

Zones

Zone Name	Top (ftKB)
LSS	
L. Spraberry	

Tubing Details

Tubing Description	Set Depth (ftKB)	Run Date
Tubing - Production	8,806.0	5/31/2015

Tubing Components

Item Des	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top (ftKB)	Btm (ftKB)
Tubing Hanger	5 1/2			1.70		17.4	19.1
Tubing	2 7/8	6.50	L-80	8,310.49	171	19.1	8,329.6
WFT VL CIRC. SLIDING SLEEVE	3 5/8			2.29	1	8,329.6	8,331.9
Tubing	2 7/8	6.50	L-80	30.43	1	8,331.9	8,362.3
WFT NOGO PROFILE NIPPLE	3 5/8			1.10	1	8,362.3	8,363.4
Tubing	2 7/8	6.50	L-80	31.17	1	8,363.4	8,394.6
BOLT ON HEAD (CROSSOVER)	4			0.30	1	8,394.6	8,394.9
ESP PUMP	4			12.00	1	8,394.9	8,406.9
ESP PUMP	4			12.00	1	8,406.9	8,418.9
ESP PUMP	4			14.75	1	8,418.9	8,433.6
ESP PUMP	4			14.85	1	8,433.6	8,448.5
ESP PUMP	4			14.85	1	8,448.5	8,463.3
ESP PUMP	4			12.00	1	8,463.3	8,475.3
ESP GAS SEPERATOR	4			2.37	1	8,475.3	8,477.7
ESP GAS SEPEDITOR	4			2.40	1	8,477.7	8,480.1
SEAL	3 3/4			3.50	1	8,480.1	8,483.6
SEAL	3 3/4			5.25	1	8,483.6	8,488.9
ESP MOTOR	3 3/4			20.55	1	8,488.9	8,509.4
ESP MOTOR	3 3/4			20.55	1	8,509.4	8,530.0
ESP MOTOR	3 3/4			20.55	1	8,530.0	8,550.5
SENSOR	3 3/4			2.10	1	8,550.5	8,552.6
DESANDER	2 7/8			5.23	1	8,552.6	8,557.8
Tubing	2 7/8	6.50	L-80	247.67	8	8,557.8	8,805.5
Bull Plug	2 7/8			0.50	1	8,805.5	8,806.0

Rod Strings

Rod Description	Set Depth (ftKB)	Run Date

Rod Components

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

Other In Hole

Des	Top (ftKB)	Btm (ftKB)	OD (in)	Run Date	Pull Date	Com	String	Wellbore
Frac Plug	19,694.0	19,695.0	5 1/2	5/6/2015	5/27/2015			Original Hole

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Other In Hole								
Des	Top (ftKB)	Btm (ftKB)	OD (in)	Run Date	Pull Date	Com	String	Wellbore
Frac Plug	19,503.0	19,504.0	5 1/2	5/6/2015	5/27/2015			Original Hole
Frac Plug	19,255.0	19,256.0	5 1/2	5/6/2015	5/27/2015			Original Hole
Frac Plug	19,012.0	19,013.0	5 1/2	5/7/2015	5/27/2015			Original Hole
Frac Plug	18,760.0	18,761.0	5 1/2	5/7/2015	5/27/2015			Original Hole
Frac Plug	18,526.0	18,527.0	5 1/2	5/7/2015	5/27/2015			Original Hole
Frac Plug	18,285.0	18,286.0	5 1/2	5/7/2015	5/27/2015			Original Hole
Frac Plug	18,040.0	18,041.0	5 1/2	5/8/2015	5/27/2015			Original Hole
Frac Plug	17,792.0	17,793.0	5 1/2	5/8/2015	5/27/2015			Original Hole
Frac Plug	17,558.0	17,559.0	5 1/2	5/8/2015	5/26/2015			Original Hole
Frac Plug	17,536.0	17,537.0	5 1/2	5/8/2015	5/26/2015			Original Hole
Frac Plug	17,311.0	17,312.0	5 1/2	5/9/2015	5/26/2015			Original Hole
Frac Plug	17,068.0	17,069.0	5 1/2	5/9/2015	5/26/2015			Original Hole
Frac Plug	16,823.0	16,824.0	5 1/2	5/9/2015	5/26/2015			Original Hole
Frac Plug	16,588.0	16,589.0	5 1/2	5/10/2015	5/23/2015			Original Hole
Frac Plug	16,339.0	16,340.0	5 1/2	5/10/2015	5/23/2015			Original Hole
Frac Plug	16,096.0	10,097.0	5 1/2	5/10/2015	5/23/2015			Original Hole
Frac Plug	15,851.0	15,852.0	5 1/2	5/10/2015	5/23/2015			Original Hole
Frac Plug	15,600.0	15,601.0	5 1/2	5/11/2015	5/23/2015			Original Hole
Frac Plug	15,367.0	15,368.0	5 1/2	5/11/2015	5/23/2015			Original Hole
Frac Plug	15,124.0	15,125.0	5 1/2	5/11/2015	5/23/2015			Original Hole
Frac Plug	14,881.0	14,882.0	5 1/2	5/11/2015	5/22/2015			Original Hole
Frac Plug	14,636.0	14,637.0	5 1/2	5/11/2015	5/22/2015			Original Hole
Frac Plug	14,400.0	14,401.0	5 1/2	5/12/2015	5/22/2015			Original Hole
Frac Plug	14,152.0	14,153.0	5 1/2	5/12/2015	5/22/2015			Original Hole
Frac Plug	13,909.0	13,910.0	5 1/2	5/12/2015	5/22/2015			Original Hole
Frac Plug	13,660.0	13,661.0	5 1/2	5/12/2015	5/22/2015			Original Hole
Frac Plug	13,423.0	13,424.0	5 1/2	5/12/2015	5/22/2015			Original Hole
Frac Plug	13,180.0	13,181.0	5 1/2	5/13/2015	5/22/2015			Original Hole
Frac Plug	12,928.0	12,929.0	5 1/2	5/13/2015	5/22/2015			Original Hole
Frac Plug	12,694.0	12,695.0	5 1/2	5/13/2015	5/22/2015			Original Hole
Frac Plug	12,451.0	12,452.0	5 1/2	5/14/2015	5/21/2015			Original Hole
Frac Plug	12,208.0	12,209.0	5 1/2	5/14/2015	5/21/2015			Original Hole
Frac Plug	11,965.0	11,966.0	5 1/2	5/14/2015	5/21/2015			Original Hole
Frac Plug	11,772.0	11,773.0	5 1/2	5/14/2015	5/20/2015			Original Hole
Frac Plug	11,486.0	11,487.0	5 1/2	5/14/2015	5/20/2015			Original Hole
Frac Plug	11,236.0	11,237.0	5 1/2	5/15/2015	5/20/2015			Original Hole
Frac Plug	10,993.0	10,994.0	5 1/2	5/15/2015	5/20/2015			Original Hole
Frac Plug	10,746.0	10,747.0	5 1/2	5/15/2015	5/20/2015			Original Hole
Frac Plug	10,498.0	10,499.0	5 1/2	5/15/2015	5/20/2015			Original Hole
Frac Plug	10,252.0	10,253.0	5 1/2	5/16/2015	5/20/2015			Original Hole
Frac Plug	10,021.0	10,022.0	5 1/2	5/16/2015	5/20/2015			Original Hole
Frac Plug	9,778.0	9,779.0	5 1/2	5/16/2015	5/20/2015			Original Hole
Bridge Plug	8,730.0	8,731.0	5 1/2	5/16/2015	5/20/2015			Original Hole
Bridge Plug	8,700.0	8,701.0	5 1/2	5/16/2015	5/20/2015			Original Hole
AS1-X PACKER	8,883.0	8,889.0	5 1/2	5/30/2015				Original Hole

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							
11/26/2014			ACTUAL SURVEY							
Date		MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Unwrap Displace (ft)		Survey Company		
1/21/2015		0.00	0.00	0.00	0.00	0.00		Scientific Drilling		
11/26/2014		237.00	0.95	0.19	236.99	1.96		Scientific Drilling		

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Unwrap Displace (ft)	Survey Company
11/27/2014	303.00	0.72	3.21	302.98	2.93	Scientific Drilling
11/27/2014	396.00	0.75	15.92	395.97	4.11	Scientific Drilling
11/27/2014	488.00	0.81	46.53	487.97	5.32	Scientific Drilling
11/27/2014	581.00	2.88	73.35	580.91	8.26	Scientific Drilling
11/27/2014	765.00	2.67	89.29	764.70	17.08	Scientific Drilling
11/27/2014	950.00	2.07	81.16	949.54	24.71	Scientific Drilling
11/27/2014	1,140.00	2.91	74.23	1,139.36	32.95	Scientific Drilling
11/27/2014	1,329.00	2.56	69.75	1,328.15	41.96	Scientific Drilling
11/27/2014	1,519.00	1.74	80.88	1,518.01	49.06	Scientific Drilling
11/27/2014	1,708.00	2.30	97.35	1,706.90	55.65	Scientific Drilling
11/27/2014	1,810.00	2.62	96.98	1,808.80	60.03	Scientific Drilling
11/30/2014	1,900.00	2.80	95.50	1,898.70	64.29	Scientific Drilling
11/30/2014	1,995.00	2.86	97.95	1,993.58	68.98	Scientific Drilling
11/30/2014	2,089.00	2.74	97.76	2,087.47	73.57	Scientific Drilling
11/30/2014	2,184.00	3.89	93.07	2,182.31	79.06	Scientific Drilling
11/30/2014	2,279.00	5.55	89.94	2,276.99	86.87	Scientific Drilling
11/30/2014	2,373.00	6.61	89.22	2,370.46	96.83	Scientific Drilling
11/30/2014	2,468.00	7.25	83.59	2,464.76	108.28	Scientific Drilling
11/30/2014	2,562.00	7.66	82.73	2,557.97	120.47	Scientific Drilling
12/1/2014	2,657.00	8.53	81.29	2,652.02	133.85	Scientific Drilling
12/1/2014	2,752.00	8.25	73.93	2,746.01	147.68	Scientific Drilling
12/1/2014	2,846.00	7.29	68.57	2,839.14	160.38	Scientific Drilling
12/1/2014	2,941.00	5.88	66.96	2,933.52	171.27	Scientific Drilling
12/1/2014	3,036.00	4.21	68.87	3,028.14	179.62	Scientific Drilling
12/1/2014	3,130.00	4.51	69.14	3,121.87	186.77	Scientific Drilling
12/1/2014	3,225.00	4.49	69.42	3,216.58	194.22	Scientific Drilling
12/1/2014	3,320.00	4.71	69.73	3,311.27	201.84	Scientific Drilling
12/1/2014	3,414.00	3.26	68.34	3,405.04	208.37	Scientific Drilling
12/1/2014	3,509.00	3.28	68.61	3,499.89	213.79	Scientific Drilling
12/1/2014	3,604.00	2.36	74.08	3,594.77	218.46	Scientific Drilling
12/1/2014	3,698.00	2.17	77.84	3,688.70	222.17	Scientific Drilling
12/1/2014	3,793.00	0.69	73.35	3,783.67	224.54	Scientific Drilling
12/1/2014	3,983.00	0.67	85.12	3,973.65	226.78	Scientific Drilling
12/1/2014	4,172.00	0.59	81.63	4,162.64	228.86	Scientific Drilling
12/1/2014	4,361.00	0.57	78.61	4,351.63	230.77	Scientific Drilling
12/2/2014	4,551.00	0.50	77.30	4,541.62	232.55	Scientific Drilling
12/2/2014	4,740.00	0.57	120.52	4,730.62	234.19	Scientific Drilling
12/2/2014	4,929.00	0.59	117.12	4,919.61	236.10	Scientific Drilling
12/2/2014	5,118.00	0.79	111.65	5,108.59	238.38	Scientific Drilling
12/2/2014	5,308.00	0.67	117.37	5,298.58	240.79	Scientific Drilling
12/2/2014	5,497.00	0.65	129.45	5,487.57	242.96	Scientific Drilling
12/2/2014	5,687.00	0.91	118.94	5,677.55	245.53	Scientific Drilling
12/2/2014	5,876.00	0.84	118.61	5,866.53	248.42	Scientific Drilling
12/2/2014	6,065.00	0.86	126.84	6,055.50	251.22	Scientific Drilling
12/4/2014	6,254.00	1.14	126.33	6,244.48	254.52	Scientific Drilling
12/5/2014	6,444.00	1.43	136.49	6,434.43	258.76	Scientific Drilling
12/5/2014	6,633.00	1.52	153.10	6,623.37	263.57	Scientific Drilling
12/7/2014	6,823.00	1.39	160.81	6,813.31	268.39	Scientific Drilling
12/7/2014	7,012.00	1.06	138.82	7,002.26	272.35	Scientific Drilling
12/7/2014	7,201.00	0.71	126.42	7,191.24	275.26	Scientific Drilling
12/7/2014	7,390.00	0.41	177.97	7,380.23	276.93	Scientific Drilling
12/8/2014	7,579.00	0.41	147.81	7,569.23	278.24	Scientific Drilling
12/8/2014	7,768.00	0.48	124.70	7,758.22	279.68	Scientific Drilling
12/8/2014	7,958.00	0.28	192.54	7,948.22	280.74	Scientific Drilling
12/8/2014	8,147.00	1.45	97.04	8,137.20	283.13	Scientific Drilling
12/8/2014	8,276.00	1.36	86.62	8,266.16	286.28	Scientific Drilling

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Unwrap Displace (ft)	Survey Company
1/18/2015	8,382.00	1.19	77.52	8,372.13	288.63	Scientific Drilling
1/18/2015	8,476.00	1.32	75.30	8,466.11	290.69	Scientific Drilling
1/18/2015	8,571.00	1.17	86.05	8,561.09	292.75	Scientific Drilling
1/18/2015	8,666.00	1.14	90.66	8,656.07	294.66	Scientific Drilling
1/18/2015	8,697.00	2.87	138.80	8,687.05	295.67	Scientific Drilling
1/21/2015	8,729.00	5.88	154.08	8,718.95	298.09	Scientific Drilling
1/19/2015	8,761.00	8.47	157.35	8,750.70	302.09	Scientific Drilling
1/19/2015	8,792.00	10.51	159.38	8,781.28	307.20	Scientific Drilling
1/21/2015	8,824.00	12.06	162.12	8,812.66	313.46	Scientific Drilling
1/19/2015	8,855.00	12.84	161.67	8,842.93	320.14	Scientific Drilling
1/20/2015	8,887.00	13.60	165.90	8,874.08	327.45	Scientific Drilling
1/21/2015	8,919.00	15.39	166.73	8,905.06	335.46	Scientific Drilling
1/20/2015	8,950.00	17.27	167.09	8,934.81	344.18	Scientific Drilling
1/20/2015	8,982.00	19.89	168.71	8,965.14	354.37	Scientific Drilling
1/20/2015	9,013.00	22.60	169.27	8,994.03	365.60	Scientific Drilling
1/20/2015	9,045.00	23.75	170.69	9,023.45	378.20	Scientific Drilling
1/21/2015	9,076.00	24.61	172.05	9,051.73	390.89	Scientific Drilling
1/21/2015	9,108.00	27.05	173.54	9,080.53	404.83	Scientific Drilling
1/21/2015	9,139.00	29.58	175.64	9,107.82	419.53	Scientific Drilling
1/21/2015	9,171.00	32.86	175.37	9,135.18	436.12	Scientific Drilling
1/21/2015	9,203.00	34.92	175.56	9,161.74	453.96	Scientific Drilling
1/21/2015	9,234.00	37.64	174.68	9,186.73	472.30	Scientific Drilling
1/21/2015	9,266.00	41.31	173.40	9,211.43	492.64	Scientific Drilling
1/22/2015	9,297.00	44.13	171.85	9,234.20	513.67	Scientific Drilling
1/22/2015	9,329.00	47.62	171.11	9,256.47	536.63	Scientific Drilling
1/22/2015	9,360.00	51.15	171.04	9,276.65	560.16	Scientific Drilling
1/22/2015	9,392.00	54.50	170.85	9,295.98	585.66	Scientific Drilling
1/22/2015	9,423.00	57.60	170.98	9,313.30	611.37	Scientific Drilling
1/22/2015	9,455.00	61.25	169.15	9,329.57	638.91	Scientific Drilling
1/22/2015	9,487.00	63.93	166.66	9,344.30	667.32	Scientific Drilling
1/22/2015	9,518.00	66.65	164.83	9,357.26	695.47	Scientific Drilling
1/23/2015	9,549.00	69.37	164.07	9,368.87	724.21	Scientific Drilling
1/23/2015	9,581.00	73.47	163.54	9,379.06	754.54	Scientific Drilling
1/23/2015	9,612.00	76.47	163.12	9,387.10	784.48	Scientific Drilling
1/23/2015	9,707.00	79.40	162.32	9,406.96	877.37	Scientific Drilling
1/23/2015	9,802.00	82.64	165.20	9,421.79	971.18	Scientific Drilling
1/23/2015	9,896.00	85.53	166.68	9,431.47	1,064.67	Scientific Drilling
1/23/2015	9,991.00	87.74	166.10	9,437.05	1,159.50	Scientific Drilling
1/23/2015	10,086.00	87.32	165.62	9,441.14	1,254.41	Scientific Drilling
1/23/2015	10,181.00	86.74	164.63	9,446.06	1,349.28	Scientific Drilling
1/23/2015	10,276.00	88.26	164.12	9,450.21	1,444.18	Scientific Drilling
1/27/2015	10,370.00	89.06	163.53	9,452.41	1,538.16	Scientific Drilling
1/23/2015	10,465.00	91.44	164.61	9,451.99	1,633.15	Scientific Drilling
1/24/2015	10,560.00	89.46	165.15	9,451.25	1,728.14	Scientific Drilling
1/24/2015	10,655.00	91.14	165.76	9,450.75	1,823.14	Scientific Drilling
1/24/2015	10,750.00	91.55	166.57	9,448.52	1,918.11	Scientific Drilling
1/24/2015	10,844.00	88.76	165.82	9,448.26	2,012.10	Scientific Drilling
1/24/2015	10,939.00	90.40	166.80	9,448.96	2,107.09	Scientific Drilling
1/24/2015	11,034.00	91.07	167.69	9,447.74	2,202.08	Scientific Drilling
1/24/2015	11,129.00	90.64	165.54	9,446.32	2,297.07	Scientific Drilling
1/24/2015	11,223.00	90.74	165.85	9,445.19	2,391.06	Scientific Drilling
1/24/2015	11,318.00	89.60	166.38	9,444.91	2,486.06	Scientific Drilling
1/24/2015	11,413.00	89.63	167.65	9,445.55	2,581.05	Scientific Drilling
1/24/2015	11,505.00	89.60	168.09	9,446.17	2,673.05	Scientific Drilling
1/24/2015	11,598.00	89.46	168.39	9,446.93	2,766.05	Scientific Drilling
1/24/2015	11,690.00	90.20	168.25	9,447.20	2,858.05	Scientific Drilling

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Unwrap Displace (ft)	Survey Company
1/24/2015	11,783.00	90.37	169.37	9,446.74	2,951.04	Scientific Drilling
1/24/2015	11,875.00	91.65	171.87	9,445.12	3,043.02	Scientific Drilling
1/24/2015	11,968.00	91.14	168.28	9,442.85	3,135.98	Scientific Drilling
1/24/2015	12,060.00	88.05	164.02	9,443.50	3,227.94	Scientific Drilling
1/24/2015	12,155.00	87.08	164.51	9,447.54	3,322.85	Scientific Drilling
1/24/2015	12,250.00	85.26	162.78	9,453.89	3,417.63	Scientific Drilling
1/24/2015	12,344.00	85.67	163.28	9,461.32	3,511.34	Scientific Drilling
1/24/2015	12,439.00	86.67	162.42	9,467.66	3,606.13	Scientific Drilling
1/25/2015	12,534.00	91.44	163.03	9,469.23	3,701.08	Scientific Drilling
1/25/2015	12,628.00	91.41	163.29	9,466.89	3,795.06	Scientific Drilling
1/25/2015	12,723.00	92.18	163.99	9,463.92	3,890.01	Scientific Drilling
1/25/2015	12,818.00	91.14	162.97	9,461.16	3,984.96	Scientific Drilling
1/25/2015	12,913.00	88.72	164.38	9,461.28	4,079.96	Scientific Drilling
1/25/2015	13,007.00	91.95	163.89	9,460.73	4,173.94	Scientific Drilling
1/25/2015	13,102.00	93.36	165.94	9,456.33	4,268.83	Scientific Drilling
1/25/2015	13,197.00	93.16	165.13	9,450.93	4,363.68	Scientific Drilling
1/25/2015	13,291.00	91.85	163.02	9,446.82	4,457.58	Scientific Drilling
1/25/2015	13,386.00	94.74	165.82	9,441.36	4,552.40	Scientific Drilling
1/25/2015	13,481.00	92.86	168.41	9,435.06	4,647.18	Scientific Drilling
1/26/2015	13,575.00	92.08	168.09	9,431.01	4,741.09	Scientific Drilling
1/26/2015	13,670.00	91.85	169.18	9,427.75	4,836.04	Scientific Drilling
1/26/2015	13,764.00	93.50	168.46	9,423.37	4,929.93	Scientific Drilling
1/27/2015	13,859.00	93.63	167.34	9,417.46	5,024.74	Scientific Drilling
1/27/2015	13,954.00	91.21	168.00	9,413.45	5,119.65	Scientific Drilling
1/27/2015	14,048.00	88.76	168.07	9,413.47	5,213.65	Scientific Drilling
1/27/2015	14,143.00	89.40	167.66	9,415.00	5,308.63	Scientific Drilling
1/27/2015	14,237.00	87.68	164.72	9,417.39	5,402.59	Scientific Drilling
1/27/2015	14,332.00	88.55	163.76	9,420.52	5,497.53	Scientific Drilling
1/27/2015	14,427.00	87.55	164.01	9,423.75	5,592.48	Scientific Drilling
1/27/2015	14,522.00	87.31	163.42	9,428.01	5,687.38	Scientific Drilling
1/27/2015	14,617.00	87.78	162.63	9,432.08	5,782.29	Scientific Drilling
1/27/2015	14,712.00	89.66	164.75	9,434.20	5,877.26	Scientific Drilling
1/27/2015	14,807.00	88.45	166.04	9,435.77	5,972.24	Scientific Drilling
1/28/2015	14,901.00	89.13	164.65	9,437.75	6,066.22	Scientific Drilling
1/28/2015	14,996.00	89.53	163.19	9,438.86	6,161.21	Scientific Drilling
1/28/2015	15,091.00	89.90	163.47	9,439.34	6,256.21	Scientific Drilling
1/28/2015	15,186.00	89.56	166.23	9,439.78	6,351.20	Scientific Drilling
1/28/2015	15,280.00	89.43	167.13	9,440.61	6,445.19	Scientific Drilling
1/28/2015	15,375.00	90.17	167.70	9,440.94	6,540.19	Scientific Drilling
1/28/2015	15,470.00	88.15	166.40	9,442.34	6,635.18	Scientific Drilling
1/28/2015	15,565.00	89.66	165.34	9,444.15	6,730.15	Scientific Drilling
1/28/2015	15,660.00	92.19	167.17	9,442.62	6,825.13	Scientific Drilling
1/28/2015	15,754.00	91.64	168.13	9,439.48	6,919.08	Scientific Drilling
1/28/2015	15,849.00	87.41	167.65	9,440.27	7,014.05	Scientific Drilling
1/28/2015	15,944.00	90.27	165.98	9,442.19	7,109.02	Scientific Drilling
1/28/2015	16,039.00	92.15	167.95	9,440.18	7,203.99	Scientific Drilling
1/28/2015	16,133.00	92.52	167.56	9,436.35	7,297.91	Scientific Drilling
1/28/2015	16,228.00	91.58	167.82	9,432.95	7,392.85	Scientific Drilling
1/29/2015	16,322.00	88.29	166.97	9,433.06	7,486.83	Scientific Drilling
1/29/2015	16,417.00	86.33	166.71	9,437.52	7,581.72	Scientific Drilling
1/29/2015	16,512.00	87.71	166.17	9,442.46	7,676.59	Scientific Drilling
1/29/2015	16,606.00	92.55	166.12	9,442.24	7,770.57	Scientific Drilling
1/29/2015	16,701.00	93.63	165.27	9,437.12	7,865.42	Scientific Drilling
1/29/2015	16,796.00	91.41	166.00	9,432.95	7,960.33	Scientific Drilling
1/29/2015	16,890.00	90.94	167.05	9,431.02	8,054.31	Scientific Drilling
1/29/2015	16,985.00	92.22	164.67	9,428.40	8,149.26	Scientific Drilling

Drilling & Completion Summary - Ascending

Well Name: UNIVERSITY 7-43 #21H

Date	MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	Unwrap Displace (ft)	Survey Company
1/29/2015	17,080.00	89.19	162.15	9,427.23	8,244.23	Scientific Drilling
1/29/2015	17,174.00	87.31	165.99	9,430.10	8,338.17	Scientific Drilling
1/31/2015	17,269.00	88.38	165.40	9,433.67	8,433.10	Scientific Drilling
1/31/2015	17,364.00	87.54	165.93	9,437.06	8,528.04	Scientific Drilling
1/31/2015	17,459.00	88.15	167.06	9,440.63	8,622.97	Scientific Drilling
1/31/2015	17,553.00	88.65	167.89	9,443.25	8,716.93	Scientific Drilling
1/31/2015	17,648.00	89.87	168.39	9,444.48	8,811.92	Scientific Drilling
1/31/2015	17,743.00	91.21	167.06	9,443.59	8,906.91	Scientific Drilling
1/31/2015	17,837.00	90.81	166.46	9,441.93	9,000.90	Scientific Drilling
1/31/2015	17,932.00	92.12	165.56	9,439.50	9,095.86	Scientific Drilling
2/1/2015	17,983.00	92.12	165.56	9,437.61	9,146.83	Scientific Drilling
2/1/2015	18,027.00	91.44	164.40	9,436.25	9,190.81	Scientific Drilling
2/1/2015	18,121.00	90.97	164.48	9,434.27	9,284.79	Scientific Drilling
2/1/2015	18,216.00	91.58	163.68	9,432.16	9,379.76	Scientific Drilling
2/1/2015	18,311.00	89.33	162.15	9,431.40	9,474.75	Scientific Drilling
2/1/2015	18,405.00	92.36	162.57	9,430.01	9,568.73	Scientific Drilling
2/1/2015	18,500.00	92.32	164.72	9,426.14	9,663.64	Scientific Drilling
2/1/2015	18,595.00	90.64	165.63	9,423.68	9,758.61	Scientific Drilling
2/1/2015	18,689.00	92.81	167.71	9,420.85	9,852.55	Scientific Drilling
2/1/2015	18,784.00	90.57	164.98	9,418.05	9,947.50	Scientific Drilling
2/1/2015	18,878.00	91.85	166.64	9,416.07	10,041.47	Scientific Drilling
2/1/2015	18,973.00	90.13	167.20	9,414.42	10,136.45	Scientific Drilling
2/2/2015	19,068.00	89.56	167.06	9,414.68	10,231.45	Scientific Drilling
2/2/2015	19,162.00	90.78	168.38	9,414.40	10,325.45	Scientific Drilling
2/2/2015	19,257.00	89.50	167.05	9,414.17	10,420.44	Scientific Drilling
2/2/2015	19,351.00	89.43	166.92	9,415.05	10,514.44	Scientific Drilling
2/2/2015	19,446.00	89.12	166.92	9,416.25	10,609.43	Scientific Drilling
2/2/2015	19,541.00	91.61	170.40	9,415.64	10,704.41	Scientific Drilling
2/2/2015	19,635.00	86.73	168.42	9,417.01	10,798.36	Scientific Drilling
2/2/2015	19,730.00	87.99	169.09	9,421.38	10,893.26	Scientific Drilling
2/2/2015	19,824.00	90.81	169.24	9,422.37	10,987.25	Scientific Drilling
2/2/2015	19,862.00	88.08	166.25	9,422.73	11,025.24	Scientific Drilling
2/2/2015	19,913.00	88.08	166.25	9,424.44	11,076.21	Scientific Drilling