



# University Lands Daily Drilling

Report for: 6/25/2013  
Report #: 1.0, DFS: -4.44

Well Name: UNIVERSITY 4-12 #3H

Depth Progress:

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30				Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00	
Rig Time (hr)	Weather Windy. Clear and Hot		Temperature (°F) 97.0	Hole Condition		Lithology	
Current Status/OART MI Pioneer Rig 7.				24 Hour Forecast MI Pioneer Rig 7.			
Short Report MI Pioneer Rig 7. Received 10 of 35 loads, 25% MI & 0% RU.							
<b>OPERATION SUMMARY</b>							
Duration (hr)	Phase 14.00 01RGUP		Operation MI Pioneer Rig 7, 25% MI & 0% RU.				
Duration (hr)	Phase 10.00 01RGUP		Operation Wait on daylight.				



# University Lands Daily Drilling

Report for: 6/26/2013  
Report #: 2.0, DFS: -3.44

Well Name: UNIVERSITY 4-12 #3H

Depth Progress:

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30				Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00	
Rig Time (hr)	Weather Windy, Clear and Hot		Temperature (°F) 104.0	Hole Condition		Lithology	
Current Status/OART RU Pioneer Rig 7.				24 Hour Forecast RU Pioneer Rig 7.			
Short Report MI & RU Pioneer Rig 7, 85% MI 30% RU.							
<b>OPERATION SUMMARY</b>							
Duration (hr)	Phase 01RGUP		Operation MI & RU Pioneer Rig 7, 85% MI and 30% RU. Spotted tool pusher and crew quarters, mud tanks, shaker skid, and mud pumps. Spotted substructure over well center and pinned. Spotted water tank and gas buster / ck manifold skid. Continued filling outside reserve with fresh water.				
Duration (hr)	Phase 01RGUP		Operation Wait on daylight.				



# University Lands Daily Drilling

Report for: 6/27/2013  
Report #: 3.0, DFS: -2.44

Well Name: UNIVERSITY 4-12 #3H

Depth Progress:

API/UWI 42461388630000	District MIDLAND	State/Province TEXAS	County/Parish UPTON
Operator HUNT OIL COMPANY		Surface Legal Location A-UL BLK 4 SECTION 12	
Field Name SPRABERRY TREND AREA		Prospect	
Spud Date 6/29/2013 16:30		Original KB Elevation (ft) 2,751.00	Ground Elevation (ft) 2,729.00
Rig Time (hr)	Weather Windy, Clear and Hot	Temperature (°F) 108.0	Hole Condition Lithology
Current Status/OART RU Pioneer Rig 7		24 Hour Forecast RU Pioneer Rig 7	
Short Report MI & RU Pioneer Rig 7, 95% MI 60% RU.			

OPERATION SUMMARY		
Duration (hr) 13.00	Phase 01RGUP	Operation MI & RU Pioneer Rig 7, 95% MI and 60% RU. Scoped out derrick and pinned sections. Installed cylinders and raised substructure. Installed A-frame base legs. Raised base of derrick to floor and pinned. Spotted main engine/gen houses, SCR shack and diesel tank. Installed lined containment area around diesel tank. Raised gas buster. Raised doghouse and spotted Koomey shack. Spotted auxiliary company trailer. Took on rig diesel. Finished filling outside reserve with fresh water (+/- 7000 bbls in place). Began filling inside reserve with fresh water.
Duration (hr) 11.00	Phase 01RGUP	Operation Wait on daylight.



# University Lands Daily Drilling

Report for: 6/28/2013  
Report #: 4.0, DFS: -1.44

Well Name: UNIVERSITY 4-12 #3H

Depth Progress:

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30				Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00	
Rig Time (hr)	Weather Windy, Clear and Hot		Temperature (°F) 109.0	Hole Condition		Lithology	
Current Status/OART RU Pioneer Rig 7				24 Hour Forecast RU Pioneer Rig 7. Spud well.			
Short Report MI & RU Pioneer Rig 7, 100% MI & 85% RU.							
<b>OPERATION SUMMARY</b>							
Duration (hr) 24.00	Phase 01RGUP		Operation MI & RU Pioneer Rig 7, 100% MI and 85% RU. Adjusted drawworks brake bands. Raised derrick. Wired up rig power and SCR shack. RU V-door and catwalk. RU solids control equipment and mud hopper. RU derrick lines. Slipped and cut drill line. PU top drive torque track. PU top drive. Filled top drive with hydraulic oil. NOV began inspections and function testing. Spotted Mud Engineer's shack. Finished filling inside reserve with fresh water (+/- 10,000 bbls on location).				



# University Lands Daily Drilling

Report for: 6/29/2013  
Report #: 5.0, DFS: -0.44

Well Name: UNIVERSITY 4-12 #3H

Depth Progress:

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30				Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00	
Rig Time (hr)	Weather Clear and Hot		Temperature (°F) 103.0	Hole Condition		Lithology	
Current Status/OART RU Pioneer Rig 7				24 Hour Forecast PU 17-1/2" bit and BHA. Spud well. Drill 17-1/2" hole to +/- 800 ft. POOH. Run and cement 13-3/8" casing.			
Short Report MI & RU Pioneer Rig 7, 100% MI & 100% RU. Held pre-spud meeting. Conducted Pre-spud inspection and corrective actions.							
<b>OPERATION SUMMARY</b>							
Duration (hr) 24.00	Phase 01RGUP		Operation RU Pioneer Rig 7, 100% MI and 100% RU. Finished top drive inspection and function testing. Pipe grabber was leaking hydraulic oil. Rebuilt grabber and repaired hoses. Finished outfitting floor. Installed ST-80 iron roughneck. Installed dump lines from shaker and settling tanks to reserve pit. Filled pits. Welded on 20" bell nipple to conductor. Connected flowline. Conducted pre-spud inspections and completed corrective actions. Conducted pre-spud contractor's meeting.				



# University Lands Daily Drilling

Report for: 6/30/2013  
Report #: 6.0, DFS: 0.56  
Depth Progress: 234.00

Well Name: UNIVERSITY 4-12 #3H

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30				Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00	
Rig Time (hr) 13.50	Weather Clear and Hot		Temperature (°F) 102.0	Hole Condition Good		Lithology	
Current Status/OART Drilling 17-1/2" hole at 332'.				24 Hour Forecast Drill 17-1/2" vertical hole to 805'. CHC. POOH. Run and cement 13-3/8" surface casing. WOC.			
Short Report PU spud BHA. Top drive brake circuit failed. Stood by for NOV corrective action. Tagged with bit at 98'. Filled conductor with water. Repaired leaks on mud tanks and leveled derrick over well center. Spud well at 16:30 hrs on 6-29-13. Drilled 17-1/2" surface hole to 332'.							
<b>OPERATION SUMMARY</b>							
Duration (hr) 10.50	Phase 01RGUP		Operation Held Pre-spud meeting with crews. PU 9" bit sub, 8" shock tool, XO and 1 x 8" DC, 1 x 5" drill pipe working single and ran through rotary. Attempted to screw top drive into working single at floor. Top drive torqued up but would not rotate. NOV technician diagnosed bad solenoid in brake circuit and bypassed brake while waiting on replacement solenoid. PU BHA above rotary. Leveled derrick over well center and MU mill tooth bit. RIH and tagged at 98'. Filled conductor with water. Repaired leaks at flowline, mud transfer lines and suction pit equalizer valve. Re-plumbed water transfer pumps from reserve pit due to plugged discharge line on pump trailer.				
Duration (hr) 13.50	Phase 13SURF		Operation Spud well at 16:30 hrs on 6-29-13. Drilled 17-1/2" vertical hole from 98' to 332' with fresh water and gel sweeps. Full returns. ROP very slow.				



# University Lands Daily Drilling

Report for: 7/1/2013  
Report #: 7.0, DFS: 1.56  
Depth Progress: 473.00

## Well Name: UNIVERSITY 4-12 #3H

API/UWI 42461388630000	District MIDLAND	State/Province TEXAS	County/Parish UPTON
Operator HUNT OIL COMPANY	Surface Legal Location A-UL BLK 4 SECTION 12		
Field Name SPRABERRY TREND AREA	Prospect		
Spud Date 6/29/2013 16:30	Original KB Elevation (ft) 2,751.00	Ground Elevation (ft) 2,729.00	
Rig Time (hr) 24.00	Weather Partly Cloudy and Warm	Temperature (°F) 93.0	Hole Condition Good
Current Status/OART WOC		Lithology	
Short Report Drilled 17-1/2" hole to 805'. CHC. POOH. RIH with float equipment and 17 joints of 13-3/8" casing. Cemented casing with cement returns to surface. WOC.		24 Hour Forecast Establish wellhead. NU BOPs and test. PU RIH with 12-1/4" motor assembly. Drill out shoe track. FIT. Drill 12-1/4" vertical hole.	

### OPERATION SUMMARY

Duration (hr) 2.50	Phase 13SURF	Operation Drilled 17-1/2" hole from 332' - 436'. Swept hole with 20 bbl Hi-Vis sweeps every 30 ft. ROP increased in Red Beds beginning from +/- 325'. Swept hole with 2 x 20 bbl Hi-Vis sweeps at 436 ft.
Duration (hr) 0.50	Phase 13SURF	Operation Ran Totco survey, 1/4 deg @ 401'.
Duration (hr) 7.50	Phase 13SURF	Operation Drilled 17-1/2" hole from 436' - 805'. Swept hole with 20 bbl Hi-Vis sweeps every 30 ft.
Duration (hr) 0.50	Phase 14SCFT	Operation Swept hole with 2 x 20 bbl sweeps at TD. CHC. Very little cuttings recovery with sweeps. Hole clean.
Duration (hr) 1.00	Phase 14SCFT	Operation Serviced rig while displacing hole with Hi-Vis.
Duration (hr) 3.50	Phase 14SCFT	Operation Dropped Totco. POOH. LD stabilizer, shock tool, bit sub, and bit. Bit in good condition.
Duration (hr) 2.00	Phase 14SCFT	Operation PJSM. RU Express Energy laydown truck and casing tools.
Duration (hr) 2.50	Phase 14SCFT	Operation PU RIH with 13-3/8" float shoe, 1 x shoe joint, float collar, and 16 joints of 13-3/8" 48 ppf H-40 STC R3 casing. Float Shoe depth 792'. Float Collar depth 742'.
Duration (hr) 1.00	Phase 14SCFT	Operation RD casing tools and laydown truck. MU Baker cement head onto casing.
Duration (hr) 2.50	Phase 14SCFT	Operation PJSM. Test lines to 2500 psi. Baker pumped 30 bbls freshwater, mixed and pumped 215 bbls / 900 sx 14.8 ppg Class C blend. Dropped top plug. Displaced cement with 111 bbls of freshwater. Bumped plug with 950 psi. Full returns throughout cement job. Returned estimated 62 bbls / 260 sx cement to surface. Bled off pressure to displacement tanks. Floats held. Closed in cement head and broke off lines. CIP @ 05:30 hrs.
Duration (hr) 0.50	Phase 14SCFT	Operation WOC.



# University Lands Daily Drilling

Report for: 7/2/2013  
Report #: 8.0, DFS: 2.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 0.00

API/UWI 42461388630000	District MIDLAND	State/Province TEXAS	County/Parish UPTON
Operator HUNT OIL COMPANY	Surface Legal Location A-UL BLK 4 SECTION 12		
Field Name SPRABERRY TREND AREA	Prospect		
Spud Date 6/29/2013 16:30	Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00
Rig Time (hr) 24.00	Weather Cool & Cloudy	Temperature (°F) 81.0	Hole Condition Good
Current Status/OART Testing BOPs		Lithology	
Short Report Cut 20" and 13-3/8". Establish casing head and test. NUBOPs. Test BOPs.		24 Hour Forecast Finish testing BOPs. PU 12-1/4" directional BHA. RIH. Drill out shoe track and 10' new formation. FIT. Drill ahead in 12-1/4" hole.	

## OPERATION SUMMARY

Duration (hr) 3.50	Phase 14SCFT	Operation WOC. (Immediately following plug bump, attempted to wash through flowline and conductor with water. Had returns down flowline, but conductor would not drain when valve opened. Tied in mud pump to drain valve and pumped water up through conductor with returns down flowline.)
Duration (hr) 6.50	Phase 14SCFT	Operation Slacked off on 13-3/8". Rough cut 20" in cellar. Conductor full of hard cement. Flowline had 2" hard cement in bottom. Chipped cement from around 13-3/8" casing and flowline. Rough cut 13-3/8". Cut off flow nipple. Pulled master bushings and retrieved 13-3/8" and 20" cemented cut-offs through rotary and laid out. Finish cut 13-3/8" and 20". Installed FMC 13-3/8" SOW x 13-5/8" 3M casing head. Test weld to 500 psi.
Duration (hr) 10.00	Phase 14SCFT	Operation NU 13-5/8" 3K spacer spool and 13-5/8" 3K x 13-5/8" 10K DSA. NU 13-5/8" 10K BOP stack.
Duration (hr) 4.00	Phase 14SCFT	Operation Test BOPs. Annular to 250 low / 3000 high, rams and ancillaries to 250 low / 5000 hi.





# University Lands Daily Drilling

Report for: 7/3/2013  
Report #: 9.0, DFS: 3.56  
Depth Progress: 351.00

## Well Name: UNIVERSITY 4-12 #3H

API/UWI 42461388630000	District MIDLAND	State/Province TEXAS	County/Parish UPTON
Operator HUNT OIL COMPANY		Surface Legal Location A-UL BLK 4 SECTION 12	
Field Name SPRABERRY TREND AREA		Prospect	
Spud Date 6/29/2013 16:30		Original KB Elevation (ft) 2,751.00	Ground Elevation (ft) 2,729.00
Rig Time (hr) 24.00	Weather Sunny & Warm	Temperature (°F) 88.0	Hole Condition Good
Current Status/OART Drilling ahead in 12-1/4" hole.		Lithology	
Short Report Finished testing BOPs. PU 12-1/4" BHA. RIH tagged at 727'. Drilled shoe track and rathole to 805'. Drilled 10' new hole. Attempted FIT to 11.0 ppg. No success. Drilled 12-1/4" vertical hole to 1156'.		24 Hour Forecast Drill 12 1/4" vertical hole.	

OPERATION SUMMARY		
Duration (hr)	Phase	Operation
3.50	14SCFT	Finished testing BOPs. Had to replace swivel packing. Koomey unit 4-way annular valve leaking. Adjusted OK. RD testers.
Duration (hr)	Phase	Operation
2.00	14SCFT	Finished nipping up flowline and gas vent lines.
Duration (hr)	Phase	Operation
0.50	14SCFT	Installed wear bushing.
Duration (hr)	Phase	Operation
3.00	14SCFT	PU 12-1/4" PDC bit and directional BHA. Shallow test.
Duration (hr)	Phase	Operation
1.50	14SCFT	TIH w/ BHA #2. Tagged cement @ 727'.
Duration (hr)	Phase	Operation
1.00	14SCFT	Serviced Rig & Top drive
Duration (hr)	Phase	Operation
0.50	14SCFT	Tested casing to 450 psi & hold pressure for 10 minutes - good
Duration (hr)	Phase	Operation
1.50	14SCFT	Drilled shoe track to 805'.
Duration (hr)	Phase	Operation
0.50	21INTR	Drilled 12 1/4" vertical hole from 805' to 815'.
Duration (hr)	Phase	Operation
2.50	21INTR	Performed FIT - pressured up to 125 psi w/ water - bled off to 0 psi within 10 minutes. Spotted 20 bbl of Hi-vis mud w/ 25 ppb cottonseed hulls on bottom. Pressured up to 125 psi - bled off to 0 psi in 5 minutes.
Duration (hr)	Phase	Operation
7.50	21INTR	Drilled 12 1/4" vertical hole from 815' to 1156'.



# University Lands Daily Drilling

Report for: 7/4/2013

Report #: 10.0, DFS: 4.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 1,656.00

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30				Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00	
Rig Time (hr) 24.00		Weather Sunny & Warm		Temperature (°F) 90.0		Hole Condition Good	
						Lithology	
Current Status/OART Drilling ahead in 12-1/4" hole.				24 Hour Forecast Drill 12-1/4" vertical hole.			
Short Report Drilled vertical hole to 2812'.							
<b>OPERATION SUMMARY</b>							
Duration (hr) 11.00		Phase 21INTR		Operation Drilled 12 1/4" vertical hole from 1156' to 2143' with water circulating in reserve pit. MW in 8.5 MW out 9.5.			
Duration (hr) 1.00		Phase 21INTR		Operation Serviced rig.			
Duration (hr) 12.00		Phase 21INTR		Operation Drilled 12 1/4" vertical hole from 2143' to 2812' with water circulating in reserve pit. MW in 9.2 MW out 9.4.			



# University Lands Daily Drilling

Report for: 7/5/2013

Report #: 11.0, DFS: 5.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 1,165.00

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30				Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00	
Rig Time (hr) 24.00	Weather Partly Cloudy		Temperature (°F) 88.0	Hole Condition Good		Lithology	
Current Status/OART Drilling ahead in 12-1/4" hole.				24 Hour Forecast Drill 12-1/4" vertical hole.			
Short Report Drilled vertical hole to 3955'. Displaced hole to 8.5 ppg mud. Continued drilling to 3977'.							
<b>OPERATION SUMMARY</b>							
Duration (hr) 10.50	Phase 21INTR		Operation Drilled 12 1/4" vertical hole from 2812' to 3955' with water circulating in reserve pit. MW in 9.3 MW out 9.4.				
Duration (hr) 1.00	Phase 21INTR		Operation Serviced rig.				
Duration (hr) 10.50	Phase 21INTR		Operation Drilled 12 1/4" vertical hole from 3381' to 3955' with water circulating in reserve pit. MW in 9.3 - MW out 9.4.				
Duration (hr) 1.50	Phase 21INTR		Operation PU 10 ' off bottom and slowly rotated while displacing hole to 8.5 ppg mud. Displaced 100 bbls over calculated hole volume, thin 10 ppg brine contaminated mud at the shakers. Closed sand trap dump and began circulating through the steel pits while building mud volume and conditioning mud to target properties.				
Duration (hr) 0.50	Phase 21INTR		Operation Drilled 12-1/4" vertical hole from 3955' to 3977' while conditioning mud and building volume.				



# University Lands Daily Drilling

Report for: 7/6/2013

Report #: 12.0, DFS: 6.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 1,318.00

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30				Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00	
Rig Time (hr) 24.00		Weather Sunny		Temperature (°F) 96.0		Hole Condition Good	
Current Status/OART Drilling ahead in 12-1/4" hole.				24 Hour Forecast Drill 12-1/4" vertical hole.			
Short Report Drilled vertical 12-1/4" hole from 3977' to 5295'.							
<b>OPERATION SUMMARY</b>							
Duration (hr) 10.50		Phase 21INTR		Operation Drilled 12 1/4" vertical hole from 3977' to 4622'. MW In 8.9 MW Out 9.3.			
Duration (hr) 1.00		Phase 21INTR		Operation Serviced Rig.			
Duration (hr) 12.50		Phase 21INTR		Operation Drilled 12 1/4" vertical hole from 4622' to 5295'. MW In 8.9 MW Out 9.3. Drilled one correction slide from 5195' - 5210'.			



# University Lands Daily Drilling

Report for: 7/7/2013

Report #: 13.0, DFS: 7.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 1,055.00

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30			Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00		
Rig Time (hr) 24.00	Weather Sunny		Temperature (°F) 99.0	Hole Condition Good		Lithology 75% Silt / 15% SS / 10% LS	
Current Status/OART Drilling ahead in 12-1/4" hole fighting losses.				24 Hour Forecast Drill 12-1/4" vertical hole.			
Short Report Drilled vertical 12-1/4" hole from 5295' to 6245'. Lost total returns. Pumped 40 bbl LCM pill. Regained full returns. Continued drilling to 6350' while pumping LCM sweeps.							

OPERATION SUMMARY		
Duration (hr)	Phase	Operation
10.00	21INTR	Drilled 12-1/4" vertical hole from 5295' to 5862'. MW In 9.4 MW Out 9.8. Dumping and diluting to control MW.
1.00	21INTR	Serviced rig.
8.00	21INTR	Drilled 12-1/4" vertical hole from 5862' to 6245'. MW In 9.0 MW Out 9.7. Lost total returns. Fluid out of sight.
2.50	21INTR	Reduced pump rate to 300 gpm. Mixed and pumped 40 bbls x 25 ppb LCM pill. Regained full returns when sweep rounded BHA. Continued circulating while monitoring losses. Staged pumps up slowly to 500 gpm with no losses.
2.50	21INTR	Drilled 12-1/4" vertical hole from 6245' to 6350' while pumping LCM sweeps. Dynamic loss rate 40 to 80 bph.



# University Lands Daily Drilling

Report for: 7/8/2013  
Report #: 14.0, DFS: 8.56  
Depth Progress: 869.00

Well Name: UNIVERSITY 4-12 #3H

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30				Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00	
Rig Time (hr) 24.00		Weather Sunny		Temperature (°F) 95.0		Hole Condition Good	
Current Status/OART Sliding @7219'				Lithology 30% SH/30%LS / 25% SS / 15% SILTSAND			
24 Hour Forecast Slide & rotate from 7219' to TD.							
Short Report Drill vertical section from 6350' to 7196'. KOP @7196'. Silde drill from 7196' to 7219'.							
<b>OPERATION SUMMARY</b>							
Duration (hr) 11.00		Phase 21INTR		Operation Drill vertical section from 6350' to 6912'. MW In 9.2 MW Out 9.5. Dumping and diluting to control MW.			
Duration (hr) 1.00		Phase 21INTR		Operation Service rig & top drive.			
Duration (hr) 11.00		Phase 21INTR		Operation Drill vertical section from 6912' to 7196'. MW In 9.1 MW Out 9.5.			
Duration (hr) 1.00		Phase 21INTR		Operation Slide drill F/7196' T/7219', 23' @ 7.7 FPH, WOB 15-16 K, MRPM 120, FPM 632, SPM 152, SPP 2306 PSI, MWI 9.1, MWO 9.2.			



# University Lands Daily Drilling

Report for: 7/9/2013  
Report #: 15.0, DFS: 9.56  
Depth Progress: 89.00

Well Name: UNIVERSITY 4-12 #3H

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON			
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12					
Field Name SPRABERRY TREND AREA				Prospect					
Spud Date 6/29/2013 16:30				Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00			
Rig Time (hr) 24.00		Weather Sunny		Temperature (°F) 95.0		Hole Condition Good		Lithology 50% SH, 10%LS, 40% SS	
Current Status/OART Setting in MWD Tools & Straping BHA Tools				24 Hour Forecast M/U & TIH w/ BHA # 3, Slide & Survey T/Csg Point.					
Short Report Slide Drill F/7219' T/7308', CBU, TOO H, L/D DD Tools, Wsit On MWD Tools. Last MWD Tools Arrive @ 0530 AM									
<b>OPERATION SUMMARY</b>									
Duration (hr) 8.50		Phase 21INTR		Operation Slide drill F/7219' T/7308', 89' @ 10.5 FPH, WOB 16-19 K, MRPM 120, FPM 632, SPM 152, SPP 2270 PSI, MWI 9.0, MWO 9.2.					
Duration (hr) 4.00		Phase 21INTR		Operation Circulate hole clean, check flow rate, no flow, pump slug.					
Duration (hr) 2.50		Phase 21INTR		Operation TOOH W/DP & BHA # 2.					
Duration (hr) 3.50		Phase 21INTR		Operation Lay down Bit & BHA # 2.					
Duration (hr) 5.00		Phase 21INTR		Operation Wait on Halliburton MWD Tools.					
Duration (hr) 0.50		Phase 21INTR		Operation Set In & Strap MWD Tools.					



# University Lands Daily Drilling

Report for: 7/10/2013  
Report #: 16.0, DFS: 10.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 5.00

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30		Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00			
Rig Time (hr) 24.00	Weather Sunny	Temperature (°F) 95.0	Hole Condition Good	Lithology 50% SH, 10%LS, 40% SS			
Current Status/OART TOOH @ 695'.			24 Hour Forecast TIH W/ New Motor, Slide & Survey T/Csg Point.				
Short Report Wait on electrician to rig up MWD shack, M/U & Adjust Mud Motor, Repair MWD Comm Failure, M/U bit & TIH T/7308', Slide F/7308' T/7311', Circulate & Trouble shoot MWD Comm Failure, Slide F/7311' T/7313', Circulate, Build & pump slug, TOOH F/7313' T/695'.							

OPERATION SUMMARY		
Duration (hr)	Phase	Operation
4.50	21INTR	Wait on MWD electrician to rig up MWD shack. Sperry ordered electrician to be on location at 04:00 AM, arrived on location at 09:45 AM.
1.00	21INTR	Make & adjust up mud motor & NMDC's.
1.50	21INTR	Wait on MWD personnel to trouble shoot, isolate & repair MWD Comm failure between MWD tool & computers.
1.00	21INTR	Make up Bit # 3 & TIH W/BHA # 3 & DP, break circulation every 30 stands.
2.00	21INTR	Install & surface test mud motor & MWD., Test Good
4.50	21INTR	TIH T/7308', break circulation every 30 stands of DP
3.50	21INTR	Slide drill F/7308' T/7311', 3' @ 0.9 FPH, WOB 16-19 K, MRPM 77, FPM 450, SPM 110, SPP 1600-2270 PSI, MWI 9.0, MWO 9.2.
1.00	21INTR	Circulate, Trouble shoot MWD Comm Failure.
0.50	21INTR	Slide drill F/7311' T/7313', 2' @ 4.0 FPH, WOB 16-19 K, MRPM 77, FPM 450, SPM 110, SPP 1600-1900 PSI, MWI 9.0, MWO 9.5. Motor failure.
1.00	21INTR	Circulate, build slug, flow check, pump slug.
3.50	21INTR	TOOH F/7313' T/695'.





# University Lands Daily Drilling

Report for: 7/11/2013  
Report #: 17.0, DFS: 11.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 26.00

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30		Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00			
Rig Time (hr) 24.00	Weather Sunny	Temperature (°F) 95.0	Hole Condition Good	Lithology 45% SH, 10%LS, 45% SS			
Current Status/OART Sliding @ 7339'.			24 Hour Forecast Slide & Survey T/Csg Point.				
Short Report TOOH F/695' T/Surface, L/D mud motor, Wait on replacement mud motor, M/U, Scribe & Test Directional Drilling tools, TIH F/Surface T/7313', Slide F/7313' T/7339', 26' @ 2.4 FPH.							

OPERATION SUMMARY		
Duration (hr)	Phase	Operation
1.00	21INTR	TOOH F/695' T/Surface.
1.00	21INTR	Lay down failed Mud Motor.
4.00	21INTR	Wait on new Halliburton 8" mud motor.
1.00	21INTR	Service rig and top drive.
2.00	21INTR	Pickup and make up BHA # 4, Scribe & Test MWD, test good.
1.00	21INTR	Make up bit & TIH W/BHA # 4
3.00	21INTR	TIH T/7313', break circulation every 30 feet.
11.00	21INTR	Slide drill F/7313' T/7339', 26' @ 2.4 FPH, WOB 4 - 8 K, MRPM 77, FPM 450, SPM 110, SPP 1700-1900 PSI, MWI 9.3, MWO 9.5.



# University Lands Daily Drilling

Report for: 7/12/2013  
Report #: 18.0, DFS: 12.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 0.00

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30		Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00			
Rig Time (hr) 24.00	Weather Sunny		Temperature (°F) 98.0	Hole Condition Good		Lithology 45% SH, 10%LS, 45% SS	
Current Status/OART Staging into hole T/6532'				24 Hour Forecast Stage into hole @ 7357, Slide & Survey T/Csg Point.			
Short Report Slide drill F/7339' T/7357', 18 @ 3.0 FPH, CBU, TOO H F/7357' T/Surface, Test mud motor & MWD, Change out bits, TIH T/5103', Lose circulation @ 5103', Pull 10 Stands T/4148', Pump LCM pill, Pull 5 stands T/3671', Pump LCM pill, Stage into hole T/4625', Pump LCM pill, Regain partial returns, Stage into hole T/5103', Pump LCM pill, Rebuild Volume in Active System, Stage into hole T/5581', Pump a 20 PPB LCM Pill, Regain full returns, Tripping into hole @5995'.							
<b>OPERATION SUMMARY</b>							
Duration (hr) 6.00	Phase 21INTR		Operation Slide drill F/7339' T/7357', 18' @ 3.0 FPH, WOB 4 - 8 K, MRPM 83, FPM 450, SPM 120, SPP 1700-1900 PSI, MWI 9.3, MWO 9.5.				
Duration (hr) 3.00	Phase 21INTR		Operation Pump sweep, circulate bottoms up, flow check, no flow, pump slug.				
Duration (hr) 2.00	Phase 21INTR		Operation TOOH F/7357' T/741'.				
Duration (hr) 1.00	Phase 21INTR		Operation Service Rig & Top Drive.				
Duration (hr) 1.50	Phase 21INTR		Operation TOOH F/741' T/Surface with drill collars, Break Off bit.				
Duration (hr) 0.50	Phase 21INTR		Operation Test mud motor and MWD.				
Duration (hr) 1.50	Phase 21INTR		Operation Make up bit & TIH W/BHA # 4 drill collars T/741'.				
Duration (hr) 2.00	Phase 21INTR		Operation TIH W/DP F/741' t/5103', circulate periodically., Lost circulation @ 5103'.				
Duration (hr) 1.00	Phase 21INTR		Operation POOH T/4148', Pump a 20 PPB LCM Pill, POOH T/3671', Pump a 20 PPB LCM Pill.				
Duration (hr) 3.00	Phase 21INTR		Operation TIH T/4625', Pump a 20 PPB LCM Pill, Regain partial returns, TIH T/5103' Pump a 20 PPB LCM Pill.				
Duration (hr) 1.00	Phase 21INTR		Operation Build volume in active system before staging further into hole.				
Duration (hr) 1.50	Phase 21INTR		Operation TIH T/5581', Pump a 20 PPB LCM Pill, Regain full returns, Tripping into hole @5995'.				



# University Lands Daily Drilling

Report for: 7/13/2013  
Report #: 19.0, DFS: 13.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 130.00

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30		Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00			
Rig Time (hr) 24.00	Weather Sunny	Temperature (°F) 98.0	Hole Condition Good	Lithology 20% SH, 20%LS, 60% SS			
Current Status/OART Slide drill @ 7487'.			24 Hour Forecast Slide & Survey T/Csg Point.				
Short Report Stage into hole T/6625', Pump 20 PPB LCM pill, Maintain full returns, Stage into hole T/7295', Pump a 20 PPB LCM Pill, Maintain full returns, Rotate & Slide F/7357' T/7487', 130' @ 6.7 FPH, Slide 79' @ 5.6 FPH, Rotate 51' @ 9.3 FPH.							

OPERATION SUMMARY		
Duration (hr)	Phase	Operation
3.50	21INTR	Stage into hole @ 6625', Pump a 20 PPB LCM Pill, Maintain full returns, Stage into hole T/7295', Pump a 20 PPB LCM Pill, Maintain full returns.
4.50	21INTR	Operation Slide drill F/7357' T/7379', 22' @ 4.9 FPH, WOB 30 - 38 K, MRPM 83, GPM 500, SPM 120, SPP 1800 PSI, MWI 9.3, MWO 9.8.
1.00	21INTR	Operation Rotate drill F/7379' T/7390', 11' @ 4.9 FPH, WOB 30 - 35 K, TDRPM 25, MRPM 83, GPM 500, SPM 120, SPP 1800 PSI, MWI 9.3, MWO 9.8.
1.00	21INTR	Operation Service rig and top drive.
2.50	21INTR	Operation Slide drill F/7390' T/7410', 20' @ 8.0 FPH, WOB 30 - 35 K, MRPM 83, GPM 500, SPM 120, SPP 1800 PSI, MWI 9.4, MWO 9.5.
1.50	21INTR	Operation Rotate drill F/7410' T/7422', 12' @ 8.0 FPH, WOB 30 - 35 K, TDRPM 25, MRPM 83, GPM 500, SPM 120, SPP 1800 PSI, MWI 9.4, MWO 9.5.
2.50	21INTR	Operation Slide drill F/7422' T/7431', 9' @ 3.6 FPH, WOB 30 - 35 K, MRPM 83, GPM 500, SPM 120, SPP 1800 PSI, MWI 9.5, MWO 9.6.
2.50	21INTR	Operation Rotate drill F/7431' T/7454', 23' @ 9.2 FPH, WOB 30 - 35 K, TDRPM 25, MRPM 83, GPM 500, SPM 120, SPP 1800 PSI, MWI 9.6, MWO 9.7.
4.00	21INTR	Operation Slide drill F/7454' T/7478', 24' @ 6.0 FPH, WOB 30 - 35 K, MRPM 83, GPM 500, SPM 120, SPP 1700 PSI, MWI 9.3, MWO 9.4.
0.50	21INTR	Operation Rotate drill F/7478' T/7483', 5' @ 5.0 FPH, WOB 30 - 35 K, TDRPM 25, MRPM 83, GPM 500, SPM 120, SPP 1800 PSI, MWI 9.4, MWO 9.5.
0.50	21INTR	Operation Slide drill F/7483' T/7487', 4' @ 8.0 FPH, WOB 30 - 35 K, MRPM 83, GPM 500, SPM 120, SPP 1700 PSI, MWI 9.4, MWO 9.5.



# University Lands Daily Drilling

Report for: 7/14/2013  
Report #: 20.0, DFS: 14.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 62.00

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30		Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00			
Rig Time (hr) 24.00	Weather Sunny		Temperature (°F) 95.0	Hole Condition Good		Lithology 30% SH, 40%LS, 30% SS	
Current Status/OART Filling DP.				24 Hour Forecast Slide, Rotate & Survey T/Csg Point.			
Short Report Rotate & Slide F/7487' T/7549', 62' @ 7.8 FPH, Slide 38' @ 8.4 FPH, Rotate 24' @ 6.9 FPH, MWD Failure, CBU, Flow check, Pump slug, TOO H W/BHA # 5 F/7549' T/Surface, Change out bit, mud motor & MWD, TIH W/BHA # 6.							

OPERATION SUMMARY		
Duration (hr)	Phase	Operation
2.00	21INTR	Slide drill F/7487' T/7505', 18' @ 9.0 FPH, WOB 30 - 35 K, MRPM 83, GPM 500, SPM 120, SPP 1800 PSI, MWI 9.5, MWO 9.5.
2.00	21INTR	Rotate drill F/7505' T/7517', 12' @ 6.0 FPH, WOB 30 - 32 K, TDRPM 40, MRPM 83, GPM 500, SPM 120, SPP 1780 PSI, MWI 9.5, MWO 9.5.
2.50	21INTR	Slide drill F/7517' T/7537', 20' @ 8.0 FPH, WOB 35 K, MRPM 83, GPM 500, SPM 120, SPP 1850 PSI, MWI 9.5, MWO 9.5.
1.50	21INTR	Rotate drill F/7537' T/7549', 12' @ 8.0 FPH, WOB 35 K, TDRPM 40, MRPM 83, GPM 500, SPM 120, SPP 1880 PSI, MWI 9.6, MWO 9.6.
1.50	21INTR	MWD FAILURE, Circulate bottoms up, flow check, flow ok, pump slug.
1.00	21INTR	Operation TOOH F/7549' T/6233', Monitor returns.
1.00	21INTR	Operation Service rig and top drive.
3.00	21INTR	Operation TOOH F/6233' T/Surface'.
0.50	21INTR	Operation Break off bit, Lay down mud motor & MWD.
1.50	21INTR	Operation Pick up and scribe new mud motor and MWD.
0.50	21INTR	Operation Test mud motor and MWD, Tests good.
1.00	21INTR	Operation Make Up Bit # 5 and BHA # 6.
5.50	21INTR	Operation TIH W/BHA # 6 F/Surface T/7367', Break circulation @ 4068'.
0.50	21INTR	Operation Break circulation, Fill DP.



# University Lands Daily Drilling

Report for: 7/15/2013  
Report #: 21.0, DFS: 15.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 138.00

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30		Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00			
Rig Time (hr) 24.00	Weather Sunny		Temperature (°F) 99.0	Hole Condition Good		Lithology 70% SH, 10%LS, 20% SS	
Current Status/OART Slide drill @ 7687'.				24 Hour Forecast Slide, Rotate & Survey T/Csg Point.			
Short Report W&R F/7367' T/7549', Lose circulation, Pump 90 BBL LCM sweep, Regain full circulation, Drill F/7549' T/7687', 138' @ 6.3 FPH, Slide 103' @ 5.3 FPH, Rotate 35' @ 14.0 FPH.							

OPERATION SUMMARY		
Duration (hr)	Phase	Operation
1.00	21INTR	Precautionary wash and ream F/7367' T/7549', Lose circulation, Pump 90 BBLs of 20 PPG LCM Sweep, Regain full circulation.
0.50	21INTR	Operation Rotate drill F/7549' T/7552', 3' @ 6.0 FPH, WOB 18 K, TDRPM 40, MRPM 83, GPM 500, SPM 120, SPP 2250 PSI, MWI 9.6, MWO 9.6.
5.00	21INTR	Operation Slide drill F/7552' T/7584', 32 @ 6.4 FPH, WOB 6 - 9 K, MRPM 83, GPM 500, SPM 120, SPP 2025 PSI, MWI 9.8, MWO 9.9, Pump 90 BBLs of 20 PPG LCM Sweep, Maintain full circulation.
1.00	21INTR	Operation Service rig and top drive
7.50	21INTR	Operation Slide drill F/7584' T/7630', 46 @ 6.1 FPH, WOB 6 - 9 K, MRPM 83, GPM 500, SPM 120, SPP 1850 PSI, MWI 9.7, MWO 9.7.
1.00	21INTR	Operation Rotate drill F/7630' T/7647', 17' @ 17.0 FPH, WOB 18 K, TDRPM 45, MRPM 83, GPM 500, SPM 120, SPP 2250 PSI, MWI 9.6, MWO 9.8.
3.50	21INTR	Operation Slide drill F/7647' T/7664', 17 @ 6.1 FPH, WOB 8 - 10 K, MRPM 83, GPM 500, SPM 120, SPP 1850 PSI, MWI 9.4, MWO 9.7.
1.00	21INTR	Operation Rotate drill F/7664' T/7679', 15' @ 15.0 FPH, WOB 18 K, TDRPM 45, MRPM 83, GPM 500, SPM 120, SPP 2250 PSI, MWI 9.6, MWO 9.8.
3.50	21INTR	Operation Slide drill F/7679' T/7687', 8 @ 2.3 FPH, WOB 4 - 6 K, MRPM 83, GPM 500, SPM 120, SPP 1850 PSI, MWI 9.6, MWO 9.8.



# University Lands Daily Drilling

Report for: 7/16/2013  
Report #: 22.0, DFS: 16.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 153.00

API/UWI 42461388630000	District MIDLAND	State/Province TEXAS	County/Parish UPTON
Operator HUNT OIL COMPANY	Surface Legal Location A-UL BLK 4 SECTION 12		
Field Name SPRABERRY TREND AREA	Prospect		
Spud Date 6/29/2013 16:30	Original KB Elevation (ft) 2,751.00	Ground Elevation (ft) 2,729.00	
Rig Time (hr) 24.00	Weather Cloudy/Rainy	Temperature (°F) 79.0	Hole Condition Good
Current Status/OART Slide drill @ 7840'.		Lithology 80% SH, 10%LS, 10% SS	
Short Report Drill F/7687' T/7840', 153' @ 6.7 FPH, Slide 85' @ 4.6 FPH, Rotate 68' @ 15.1 FPH.		24 Hour Forecast Slide, Rotate & Survey T/Csg Point.	

OPERATION SUMMARY		
Duration (hr) 2.50	Phase 21INTR	Operation Slide drill F/7687' T/7700', 13' @ 5.2 FPH, WOB 4 - 6 K, MRPM 83, GPM 500, SPM 120, SPP 1850 PSI, MWI 9.5, MWO 9.6.
Duration (hr) 1.00	Phase 21INTR	Operation Rotate drill F/7700' T/7711', 11' @ 11.0 FPH, WOB 13 K, TDRPM 35, MRPM 83, GPM 500, SPM 120, SPP 1925 PSI, MWI 9.5, MWO 9.6.
Duration (hr) 4.00	Phase 21INTR	Operation Slide drill F/7711' T/7730', 19' @ 4.8 FPH, WOB 9 - 10 K, MRPM 83, GPM 500, SPM 120, SPP 1900 PSI, MWI 9.6, MWO 9.6.
Duration (hr) 1.00	Phase 21INTR	Operation Rotate drill F/7730' T/7743', 13' @ 13.0 FPH, WOB 13 K, TDRPM 35, MRPM 83, GPM 500, SPM 120, SPP 1875 PSI, MWI 9.6, MWO 9.6.
Duration (hr) 2.00	Phase 21INTR	Operation Slide drill F/7743' T/7758', 15' @ 7.5 FPH, WOB 7 - 8 K, MRPM 83, GPM 500, SPM 120, SPP 1900 PSI, MWI 9.5, MWO 9.6.
Duration (hr) 1.00	Phase 21INTR	Operation Service rig and top drive.
Duration (hr) 1.50	Phase 21INTR	Operation Rotate drill F/7758' T/7774', 16' @ 10.7 FPH, WOB 13 K, TDRPM 35, MRPM 83, GPM 500, SPM 120, SPP 1900 PSI, MWI 9.5, MWO 9.6.
Duration (hr) 5.00	Phase 21INTR	Operation Slide drill F/7774' T/7794', 20' @ 4.0 FPH, WOB 9 - 12 K, MRPM 83, GPM 500, SPM 120, SPP 2025 PSI, MWI 9.6, MWO 9.7.
Duration (hr) 0.50	Phase 21INTR	Operation Rotate drill F/7794' T/7808', 14' @ 28.0 FPH, WOB 13 K, TDRPM 35, MRPM 83, GPM 500, SPM 120, SPP 1900 PSI, MWI 9.5, MWO 9.6.
Duration (hr) 4.50	Phase 21INTR	Operation Slide drill F/7808' T/7824', 16' @ 3.6 FPH, WOB 9 - 12 K, MRPM 83, GPM 500, SPM 120, SPP 2025 PSI, MWI 9.4, MWO 9.5.
Duration (hr) 0.50	Phase 21INTR	Operation Rotate drill F/7824' T/7838', 14' @ 28.0 FPH, WOB 13 K, TDRPM 55, MRPM 83, GPM 500, SPM 120, SPP 2100 PSI, MWI 9.4, MWO 9.5.
Duration (hr) 0.50	Phase 21INTR	Operation Slide drill F/7838' T/7840', 2' @ 4.0 FPH, WOB 9 - 12 K, MRPM 83, GPM 500, SPM 120, SPP 2025 PSI, MWI 9.4, MWO 9.5.



# University Lands Daily Drilling

Report for: 7/17/2013  
Report #: 23.0, DFS: 17.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 96.00

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30			Original KB Elevation (ft) 2,751.00			Ground Elevation (ft) 2,729.00	
Rig Time (hr) 24.00	Weather Cloudy/Rainy		Temperature (°F) 79.0	Hole Condition Good		Lithology 75% SH, 15%LS, 10% SS	
Current Status/OART Circulating Bottoms Up				24 Hour Forecast POOH, L/D 12 1/4" BHA, RIH w/9 5/8" Casing, Cement Csg in place.			
Short Report Drill F/7840' T/7936' 96' @ 6.8 FPH, Slide 40' @ 5.8 FPH, Rotate 56' @ 18.7 FPH. TOOH T/Drill Collars, TIH F/Drill Collars T/7936'							

OPERATION SUMMARY		
Duration (hr) 1.50	Phase 21INTR	Operation Slide drill F/7840' T/7850', 10' @ 6.7 FPH, WOB 9 - 12 K, MRPM 83, GPM 500, SPM 120, SPP 1950 PSI, MWI 9.4, MWO 9.5.
Duration (hr) 1.50	Phase 21INTR	Operation Rotate drill F/7850' T/7870', 20' @ 13.3 FPH, WOB 13 K, TDRPM 55, MRPM 83, GPM 500, SPM 120, SPP 1925 PSI, MWI 9.4, MWO 9.5.
Duration (hr) 1.00	Phase 21INTR	Operation Service rig and top drive.
Duration (hr) 3.50	Phase 21INTR	Operation Slide drill F/7870' T/7890', 20' @ 5.7 FPH, WOB 9 - 12 K, MRPM 83, GPM 500, SPM 120, SPP 1950 PSI, MWI 9.4, MWO 9.5.
Duration (hr) 1.00	Phase 21INTR	Operation Rotate drill F/7890' T/7901', 11' @ 11.0 FPH, WOB 13 K, TDRPM 55, MRPM 83, GPM 500, SPM 120, SPP 1925 PSI, MWI 9.4, MWO 9.5.
Duration (hr) 2.00	Phase 21INTR	Operation Slide drill F/7901' T/7911', 10' @ 5.0 FPH, WOB 9 - 12 K, MRPM 83, GPM 500, SPM 120, SPP 1950 PSI, MWI 9.3, MWO 9.5.
Duration (hr) 1.50	Phase 21INTR	Operation Rotate drill F/7911' T/7936', 25' @ 16.7 FPH, WOB 13 K, TDRPM 55, MRPM 83, GPM 500, SPM 120, SPP 1925 PSI, MWI 9.4, MWO 9.5.
Duration (hr) 3.50	Phase 21INTR	Operation Pump sweep, Circulate bottoms up twice, Flow check, Flow Check good, Pump sweep.
Duration (hr) 4.00	Phase 21INTR	Operation POOH T/Drill Collars
Duration (hr) 4.50	Phase 21INTR	Operation TIH F/Drill Collars T/7936', Pump Precautionary 20 PPG LCM sweep.



# University Lands Daily Drilling

Report for: 7/18/2013  
Report #: 24.0, DFS: 18.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 0.00

API/UWI 42461388630000	District MIDLAND	State/Province TEXAS	County/Parish UPTON
Operator HUNT OIL COMPANY	Surface Legal Location A-UL BLK 4 SECTION 12		
Field Name SPRABERRY TREND AREA	Prospect		
Spud Date 6/29/2013 16:30	Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00
Rig Time (hr) 24.00	Weather Cloudy/Rainy	Temperature (°F) 79.0	Hole Condition Good
Current Status/OART RIH W/9 5/8" Casing		Lithology 75% SH, 15%LS, 10% SS	
24 Hour Forecast RIH 9 5/8" Casing & cement in place, NU Well Head, Switch to OBM system, Test Csg, Drill out.			

Short Report  
Wash Down F/7780' - T/7936'. Pump 2 Sweeps, CBU x 2, Drop Gyro. POOH. PJSM, R/U & L/D BHA, PJSM, R/U & RIH W/ 9 5/8" Casing

## OPERATION SUMMARY

Duration (hr)	Phase	Operation
0.50	22ICFT	Wash down F/7,700' - T/7936'
4.50	22ICFT	Operation Circulate bottoms up twice, Pump 2 x 20 PPG LCM sweeps.
0.50	22ICFT	Operation Drop Gyro Survey. Check Flow. Pump slug
3.50	22ICFT	Operation POOH F/7936' - T/747'
1.00	22ICFT	Operation Service rig & top drive.
1.00	22ICFT	Operation Retrive corrosion ring, Retrieve gyro.
1.00	22ICFT	Operation PJSM and R/U Laydown machine
3.00	22ICFT	Operation L/D Drill Collars and. L/D directional tools, remove wear bushing.
9.00	22ICFT	Operation PJSM, R/U & RIH W/csg.





# University Lands Daily Drilling

Report for: 7/19/2013  
Report #: 25.0, DFS: 19.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 0.00

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30				Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00	
Rig Time (hr) 24.00		Weather Cloudy/Windy		Temperature (°F) 78.0		Hole Condition Good	
				Lithology 75% SH, 15%LS, 10% SS			
Current Status/OART R/D Cementers				24 Hour Forecast NU Well Head, Switch to OBM system, Test Csg, Drill out.			
Short Report Swap to OBM. R/U Cementers, Cement in place, Lead class C @ 11.8 ppg (1315 sks) , 539 bbls. Tail class C @ 14.8 ppg (810 sks), 192 bbls. Total 2125 sks. Displacement OBM @ 11.2 ppg, 533 bbls. Displacement H2O @ 8.33 ppg, 50 bbls. Bumped Plug @ 4:55 @ 800 psi (floats held). No returns.							

OPERATION SUMMARY		
Duration (hr)	Phase	Operation
7.50	22ICFT	PJSM, R/U & RIH W/csg.
Duration (hr)	Phase	Operation
0.50	22ICFT	R/U fill and circulate casing
Duration (hr)	Phase	Operation
0.50	22ICFT	R/D Casing equipment
Duration (hr)	Phase	Operation
1.00	22ICFT	Circulate, Pump LCM Sweep, Full returns @ 2400 stks / pump @ 70 spm.
Duration (hr)	Phase	Operation
8.25	22ICFT	Lost returns, continue fill backside, R/U Cementers @ 18:50
Duration (hr)	Phase	Operation
5.25	22ICFT	Pressure Testing @ 11:45 to 2400 PSI, Started Sealbond 15 Spacer, 40 bbls. Lead class C @ 11.8 ppg, yield 2.3, water ratio 13.14 gal/sk (1315 sacks), 539 bbls pumped. Tail class C @ 14.8 ppg, yield 1.33, water ratio 6.30 gal/sk (810 sacks), 192 bbls pumped, Displacement OBM @ 11.2 ppg, 533 bbls. Displacement H2O @ 8.33 ppg, 50 bbls. Bumped plug 4:55 @ 800 psi (floats held). No cement returns to surface.
Duration (hr)	Phase	Operation
1.00	22ICFT	R/D Cementers



# University Lands Daily Drilling

Report for: 7/20/2013  
Report #: 26.0, DFS: 20.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 0.00

API/UWI 42461388630000	District MIDLAND	State/Province TEXAS	County/Parish UPTON
Operator HUNT OIL COMPANY	Surface Legal Location A-UL BLK 4 SECTION 12		
Field Name SPRABERRY TREND AREA	Prospect		
Spud Date 6/29/2013 16:30	Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00
Rig Time (hr) 24.00	Weather Clear/Calm	Temperature (°F) 82.0	Hole Condition Good
Current Status/OART PU 8 1/2" BHA		Lithology 70% SH, 20%LS, 10% SS	
24 Hour Forecast Test casing. Drill cement, float equipment, and 10 feet of new formation. Conduct FIT. Drill ahead and build curve.			

Short Report  
Service rig. Lift stack, set slips, remove spacer spool from stack, install and pressure test well head. R/U rotating head, trip nipple, flowline, and turnbuckles. Run wireline temperature survey. Top of cement @ 6750'. Test B.O.P's. Install wear bushing.

## OPERATION SUMMARY

Duration (hr)	Phase	Operation
1.00	22ICFT	Service Rig & Top Drive.
2.00	22ICFT	PJSM. R/U stack winches, R/D mouse hole, remove turnbuckles and flowline. Break bolts on stack and lift stack.
1.00	22ICFT	Set 9 5/8" casing slips with 100 k/lbs. over pull @ 220 k/lbs.
1.50	22ICFT	Cut casing and L/D landing joint. Remove stack. Remove spacer spool from bottom of stack and remove bell nipple.
2.00	22ICFT	Dress top of casing, install FMC A/B sections, and DSA. Lower stack on to B section and torque. Pressure test B section to 2660 psi.
1.50	22ICFT	R/U rotating head, trip nipple, flowline, and turnbuckles.
3.00	22ICFT	PJSM. R/U for temperature log. Run temperature survey from surface to 7150'. Top of cement @ 6750'. Rig down wireline equipment.
5.50	22ICFT	Test upper and lower pipe rams, blind rams, inside kill line, outside kill line, kill line check valve, HCR choke line valve, floor valve, IBOP, and choke manifold all to 5000 psi High and 250 psi Low. Test annular B.O.P to 3000 psi High and 250 psi Low. Test mud lines back to pumps to 3500 psi High and 250 psi Low.
0.50	22ICFT	Install wear bushing.
2.00	22ICFT	P/U non-mag monel, hang off sub, and 1.83? mud motor. Install mwd and test. M/U 8.5" Security 5 blade MMD55DM bit with (5) 14/32 jets.
3.50	22ICFT	TIH F/surfaceT/3910'
0.50	22ICFT	Slip & cut drill line.



# University Lands Daily Drilling

Report for: 7/21/2013  
Report #: 27.0, DFS: 21.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 60.00

API/UWI 42461388630000	District MIDLAND	State/Province TEXAS	County/Parish UPTON
Operator HUNT OIL COMPANY	Surface Legal Location A-UL BLK 4 SECTION 12		
Field Name SPRABERRY TREND AREA	Prospect		
Spud Date 6/29/2013 16:30	Original KB Elevation (ft) 2,751.00	Ground Elevation (ft) 2,729.00	
Rig Time (hr) 24.00	Weather Clear	Temperature (°F) 72.0	Hole Condition Good
Current Status/OART R/U handling tools for 2 7/8" Tubing		Lithology 80% SH, 10%LS, 10% SS	
24 Hour Forecast TIH W/2 7/8" Tubing & drill pipe. Spot cement plug & squeeze.			

## Short Report

Slip & cut drill line. P/U drill pipe. Install rotating head & trip nipple. Circulate bottoms up. Test casing T/1500 psi. Continue picking up drill pipe. Tag cement @ 7815'. Drill cement & float equipment. Drill 10' of new formation F/7936' T/7946'. Circulate bottoms up & pull into shoe. Conduct FIT, test failed. Rotary & slide drilling F/7946' T/7996' pump LCM sweeps every 10'. Spot 40 bbls of 20 ppb LCM pill @ 7950'. Pull into shoe @ 7920'. Perform FIT, test failed, max pressure held @ 260 psi. Flow check & pump slug. POOH F/7920' T/6486', remove rotating head rubber & install trip nipple, POOH F/6486' T/BHA.

## OPERATION SUMMARY

Duration (hr)	Phase	Operation
1.00	22ICFT	Finished cutting 17 wraps of drill line.
2.50	22ICFT	Pick up drill pipe F/6770' T/7659'. Held BOP drill.
1.00	22ICFT	Remove trip nipple and install rotating head rubber.
1.00	22ICFT	Circulate bottoms up prior to performing casing test.
0.50	22ICFT	Pressure test casing to 1500 psi. Held pressure for 20 minutes.
1.00	22ICFT	Pick up drill pipe F/7659' T/7815'. Tag cement @ 7815'.
2.00	22ICFT	Drill cement and float equipment F/7815' T/7936'
1.00	22ICFT	Drill 10' of new formation F/7936' T/7946'.
0.50	22ICFT	Circulate bottoms up prior to performing FIT. POOH F/7946' T/7881'.
0.50	22ICFT	Perform FIT, Max pressure achieved while pumping was 812 psi. After pumps were shut off, pressure bled down to 296 psi in 53 minutes.
1.00	22ICFT	Service top drive.
1.00	22ICFT	Wait on orders from HOC office.
3.50	22ICFT	Rotary and slide drilling F/7946' T/7996'. Pump 15 bbl's of 20 ppb LCM sweeps every 10' while drilling.
0.50	22ICFT	Spot 40 bbls of 20 ppb LCM @ 7950'.
1.00	22ICFT	PU to 7920'. Perform FIT, Max pressure while pumping was 484 psi. After pumps were shut off, pressure bled down to 260 psi in 10 minutes. Pressure held at 260 psi (EMW 12.1 ppg).
0.50	22ICFT	Build slug, fill trip tank, pump slug and flow check.
1.00	22ICFT	POOH F/7920' T/6486'.
0.50	22ICFT	Remove rotating head rubber and install trip nipple.
2.00	22ICFT	POOH F/6486' T/BHA.
1.00	22ICFT	Drain motor, break out Bit, L/D MWD, Rack Monels & Mud Motor in Derrick
1.00	22ICFT	Strap 2 7/8" Tubing and pick up handling tools



# University Lands Daily Drilling

Report for: 7/22/2013  
Report #: 28.0, DFS: 22.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 0.00

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30		Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00			
Rig Time (hr) 24.00	Weather Clear	Temperature (°F) 73.0	Hole Condition Good	Lithology 80% SH, 10%LS, 10% SS			
Current Status/OART WOC			24 Hour Forecast WOC, POOH, P/U BHA, TIH, DRL				
Short Report P/U 2 7/8" handling tools and tubing. PJSM W/cementers & rig crew. Pumped 10 bbls spacer, 200 sks CMT, and 5 bbls spacer. POOH F/7996' T/7207'. Circ. to clean tubing and DP. Squeeze CMT. R/D CMT equip. WOC.							

OPERATION SUMMARY		
Duration (hr)	Phase	Operation
2.50	22ICFT	P/U 2 7/8" tubing handling tools. P/U & TIH W/ 2 7/8" tubing F/surface T/630'.
3.00	22ICFT	TIH with DP F/630' T/7778'.
0.50	22ICFT	Wash down F/7778' T/7996', Tag bottom.
1.00	22ICFT	Rig service.
1.50	22ICFT	CBU.
0.50	22ICFT	R/U cement equipment.
0.50	22ICFT	PJSM with rig crew and cementers.
1.50	22ICFT	Pump 10 BBLS Tuned Spacer III consisting of 33.86 gal/lb fresh water, 1 lbm/bbl FE-2, .66 gal/bbl MUSOL (R) A, .66 SEM-7, .66 gal/bbl DUAL SPACER SURFACTANT B, 233.4 lbm/bbl Barite bulk, and .33 gal/bbl D-AIR 3000L. Followed by 200 sks of 15.6 ppg, 1.19 gal/sk yield, with .1% HR-800. Followed by 5 BBLS Tuned Spacer III consisting of 33.86 gal/lb fresh water, 1 lbm/bbl FE-2, .66 gal/bbl MUSOL (R) A, .66 SEM-7, .66 gal/bbl DUAL SPACER SURFACTANT B, 233.4 lbm/bbl Barite bulk, and .33 gal/bbl D-AIR 3000L. Displaced with 122 bbls OBM.
0.50	22ICFT	POOH F/7996' T/7207'.
0.50	22ICFT	Circulate 122 bbl mud to clean DP and tubing @ 8 bbl/min.
1.50	22ICFT	Shut in well with annular preventer. Squeeze CMT 9 times in 10 min. increments. Maximum and final pressure held was 675 psi with a total of 3.5 bbls squeezed into formation.
0.50	22ICFT	R/D cement equipment.
10.00	22ICFT	Hold 675 psi while WOC.



# University Lands Daily Drilling

Report for: 7/23/2013  
Report #: 29.0, DFS: 23.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 0.00

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30		Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00			
Rig Time (hr) 24.00	Weather Clear	Temperature (°F) 99.0	Hole Condition Good	Lithology 70% SH, 20%LS, 10% SS			
Current Status/OART TIH @ 7048'.			24 Hour Forecast Perform FIT, Rotate and slide drill.				
Short Report Hold pressure while waiting on cement. Release pressure, POOH, lay down 2-7/8" tubing, and rig down tubing handling tools. Latch up bottom hole assembly out of derrick, scribe measure while drilling tool/test, make up bit. Trip in hole from bottom hole assembly to 7048'.							

OPERATION SUMMARY		
Duration (hr)	Phase	Operation
13.00	22ICFT	Well shut in & hold pressure while WOC.
Duration (hr)	Phase	Operation
6.50	22ICFT	Release pressure, POOH, L/D 2-7/8" tubing, R/D tubing handling tools.
Duration (hr)	Phase	Operation
1.00	22ICFT	P/U BHA out of derrick, scribe MWD tool & test, M/U bit.
Duration (hr)	Phase	Operation
3.50	22ICFT	TIH F/BHA T/7048'.



## University Lands Daily Drilling

Report for: 7/24/2013  
Report #: 30.0, DFS: 24.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 209.00

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30		Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00			
Rig Time (hr) 24.00	Weather Clear	Temperature (°F) 99.0	Hole Condition Good	Lithology 80% SH, 15%LS, 5% SS			
Current Status/OART Drilling			24 Hour Forecast Rotate & slide.				
Short Report Remove trip nipple, install rotating head rubber, TIH F/7048' T/7536'. Tag cement @ 7536'. Rotate drill cement F/7536' T/7936'. Pull into casing, circulate bottoms up. Perform Fit (Shoe) test @ 7936' with 11.2 ppg mud T/12.9 EMW, 701 PSI, Test Good. Rotate drill cement F/7936' T/7996'. Slide drill F/7996' T/8008'. Rig service. Circulate bottoms up prior to FIT. Perform Fit test @ 8008' with 11.0 ppg mud T/12.7 EMW, 707 PSI, Test Good. Slide and rotate drill F/8008' T/8207', Slide 113', Rotate 84'							

OPERATION SUMMARY		
Duration (hr)	Phase	Operation
1.50	22ICFT	Remove trip nipple, install rotating head rubber, TIH F/7048' T/7536'. Tag cement @ 7536'.
4.00	22ICFT	Rotate drill cement F/7536' T/7936'.
1.00	22ICFT	Pull into casing, circulate bottoms up. Mud weight check=11.2 ppg
0.50	22ICFT	Perform Fit (Shoe) test @ 7936' with 11.2 ppg mud T/12.9 EMW, 701 PSI, Test Good.
1.50	22ICFT	Rotate drill cement F/7936' T/7996'.
0.50	22ICFT	Slide drill F/7996' T/8008', 12' @ 8.0 FPH, WOB 9 - 12 K, MRPM 83, GPM 500, SPM 120, SPP 2500 PSI, MWI 11.0, MWO 11.0.
1.00	22ICFT	Rig service.
2.00	22ICFT	Circulate bottoms up prior to FIT. Pull in to shoe.
0.50	22ICFT	Perform Fit test @ 8008' with 11.0 ppg mud T/12.7 EMW, 707 PSI, Test Good.
10.00	22ICFT	Drill F/8008' T/8198', 190' @ 19.0 FPH, Slide 106' @ 16.3 FPH, Rot 84' @ 24.0 FPH, WOB 10 - 20 K, TDRPM 55, MRPM 83, GPM 500, SPM 120, SPP 2500 PSI, MWI 11.0, MWO 11.0.
1.00	22ICFT	Circulate while emptying cuttings boxes.
0.50	22ICFT	Drill F/8198' T/8205', 7' @ 14.0 FPH, Slide 7' @ 14.0 FPH, WOB 12 K, MRPM 83, GPM 500, SPM 120, SPP 2500 PSI, MWI 11.0, MWO 11.0.



# University Lands Daily Drilling

Report for: 7/25/2013  
Report #: 31.0, DFS: 25.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 343.00

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30		Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00			
Rig Time (hr) 24.00	Weather Clear	Temperature (°F) 79.0	Hole Condition Good	Lithology 100% SH			
Current Status/OART Sliding @ 8548'.			24 Hour Forecast Rotate & slide to build curve.				
Short Report Rotate and Slide drill F/8207' T/8455'. Circulate bottoms up, flow check, no flow, pump slug. POOH F/8455' T/900'. Circulate bottoms up, flow check, pump slug. POOH F/900' T/BHA. Lay down 1.83? motor and bit. Pick up new 2.38? mud motor and new bit. TIH F/BHA T/8455'. Rotate and Slide drill F/8455' T/8548'.							

OPERATION SUMMARY		
Duration (hr)	Phase	Operation
0.50	22ICFT	Slide drill F/8207' T/8290', 3' @ 6.0 FPH, WOB 10 K, MRPM 83, GPM 500, SPM 120, SPP 2500 PSI, MWI 11.0, MWO 11.0.
1.50	22ICFT	Rotate drill F/8210' T/8296', 86' @ 57.3 FPH, WOB 15 K, TDRPM 55, MRPM 83, GPM 500, SPM 120, SPP 2600 PSI, MWI 11.0, MWO 11.1.
0.50	22ICFT	Slide drill F/8296' T/8306', 10' @ 20.0 FPH, WOB 10 K, MRPM 83, GPM 500, SPM 120, SPP 2500 PSI, MWI 11.0, MWO 11.0.
1.00	22ICFT	Rotate drill F/8306' T/8359', 53' @ 53.0 FPH, WOB 15 K, TDRPM 55, MRPM 83, GPM 500, SPM 120, SPP 2600 PSI, MWI 11.0, MWO 11.1.
4.00	22ICFT	Slide drill F/8359' T/8455', 96' @ 24.0 FPH, WOB 10 K, MRPM 83, GPM 500, SPM 120, SPP 2500 PSI, MWI 11.0, MWO 11.0.
1.00	22ICFT	Circulate bottoms up, flow check, no flow, pump slug.
3.00	22ICFT	POOH F/8455' T/900', monitor well on trip tank. POOH to increase motor bend to obtain required BUR.
1.00	22ICFT	Service rig and top drive.
1.50	22ICFT	POOH F/900' T/BHA. Drain motor, break bit, lay down MWD tool and mud motor.
1.00	22ICFT	Pick up new 2.38? adjustable mud motor, scribe, install MWD tool and test. Make up new 8.5" MMD55MD PDC bit.
4.50	22ICFT	Trip in hole F/BHA T/8455'.
4.50	22ICFT	Slide F/8455' T/8548', 93' @ 23.3 FPH, WOB 12 K, MRPM 83, GPM 450, SPM 107, SPP 2450 PSI, MWI 11.0, MWO 11.1.



## University Lands Daily Drilling

Report for: 7/26/2013  
Report #: 32.0, DFS: 26.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 232.00

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30		Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00			
Rig Time (hr) 24.00	Weather Clear	Temperature (°F) 76.0	Hole Condition Good	Lithology 99% SH 1%LS			
Current Status/OART Sliding @ 8763'.			24 Hour Forecast TD curve, POOH				
Short Report Slide F/8548' T/8677'. Circulate bottoms up. POOH F/8577' T/BHA' to dial mud motor bend F/2.38? T/2.60?. TIH F/BHA T/7810'. Remove trip nipple and install rotating head rubber. TIH F/7810' T/8677'. Slide F/8677' T/8752'. Circulate sample to surface. Slide F/8752' T/8770'.							

OPERATION SUMMARY		
Duration (hr)	Phase	Operation
6.00	22ICFT	Slide F/8548' T/8677', 129' @ 21.5 FPH, WOB 12 K, MRPM 83, GPM 450, SPM 107, SPP 2450 PSI, MWI 11.0, MWO 11.0.
Duration (hr)	Phase	Operation
1.00	22ICFT	Service rig and top drive, Circulate bottoms up for motor trip.
Duration (hr)	Phase	Operation
4.00	22ICFT	Flow check, No flow, Pump slug, POOH F/8577' T/BHA', monitor returns to trip tank.
Duration (hr)	Phase	Operation
2.00	22ICFT	Drain mud motor and remove bit. Adjust mud motor from 2.38? to 2.60? bend, test MWD tool, make up same bit.
Duration (hr)	Phase	Operation
3.00	22ICFT	TIH F/BHA T/7810'.
Duration (hr)	Phase	Operation
0.50	22ICFT	Remove trip nipple and install rotating head rubber.
Duration (hr)	Phase	Operation
1.00	22ICFT	Trip in hole F/7810' T/8677'.
Duration (hr)	Phase	Operation
3.00	22ICFT	Slide drill F/8677' T/8752', 75' @ 25.0 FPH, 32 WOB, 184 MRPM, 376 GPM, 2100 SPP, 500 DIFF, MW 11.1
Duration (hr)	Phase	Operation
2.00	22ICFT	Circulate sample to surface.
Duration (hr)	Phase	Operation
1.50	22ICFT	Slide drill F/8752' T/8770', 18' @ 12.0 FPH, 25 WOB, 184 MRPM, 376 GPM, 1900 SPP, 300 DIFF, MW 11.1.





## University Lands Daily Drilling

Report for: 7/27/2013  
Report #: 33.0, DFS: 27.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 288.00

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30		Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00			
Rig Time (hr) 24.00	Weather Cloudy	Temperature (°F) 80.0	Hole Condition Good	Lithology 99% SH 1%LS, TR Chert			
Current Status/OART Drilling			24 Hour Forecast Rotate & slide.				
Short Report Slide drill F/8770' T/8812'. POOH F/8812' T/BHA'. Lay down 2.60? mud motor, pick up and make up new mud motor W/1.83? bend, re-run bit. TIH F/BHA T/7808'. Slip & cut drill line. TIH F/7808' T/8812'. Slide & rotate drill F/8812' T/9058'.							

## OPERATION SUMMARY

Duration (hr)	4.50	Phase 22ICFT	Operation Slide drill F/8770' T/8812', 42' @ 9.3 FPH, 25 WOB, 184 MRPM, 376 GPM, 1950 SPP, 300 DIFF, MW 11.1.
Duration (hr)	1.00	Phase 22ICFT	Operation Service rig and top drive, Circulate bottoms up while servicing rig.
Duration (hr)	4.00	Phase 22ICFT	Operation Flow check, No flow, Pump slug, POOH F/8812' T/BHA', monitor returns to trip tank.
Duration (hr)	2.00	Phase 22ICFT	Operation Drain mud motor, Break off bit, Lay down mud motor, Pick up and make up new mud motor W/1.83? bend, Test mud motor and MWD, Make up same bit.
Duration (hr)	3.50	Phase 22ICFT	Operation TIH F/BHA T/7808', Monitor well on trip tank, fill drill pipe every 30 stands.
Duration (hr)	2.00	Phase 22ICFT	Operation Slip and cut 74' of drilling line.
Duration (hr)	0.50	Phase 22ICFT	Operation Remove trip nipple, install rotating head rubber.
Duration (hr)	0.50	Phase 22ICFT	Operation TIH F/7808' T/8812'.
Duration (hr)	1.25	Phase 22ICFT	Operation Slide drill F/8812' T/8837' @ 60 FPH, 25 WOB, 320 DIFF, 2570 SPP, 474 GPM, 237 MRPM.
Duration (hr)	1.75	Phase 22ICFT	Operation Rotate drill F/8837' T/8902' @ 90 FPH, 22 WOB, 70 RPM, 430 DIFF, 2750 SPP, 483 GPM, 241 MRPM.
Duration (hr)	0.25	Phase 22ICFT	Operation Slide drill F/8902' T/8927' @ 80 FPH, 15 WOB, 350 DIFF, 2650 SPP, 474 GPM, 237 MRPM.
Duration (hr)	1.50	Phase 22ICFT	Operation Rotate drill F/8927' T/8996' @ 95 FPH, 22 WOB, 70 RPM, 600 DIFF, 2900 SPP, 478 GPM, 240 MRPM.
Duration (hr)	0.25	Phase 22ICFT	Operation Slide drill F/8996' T/9011' @ 40 FPH, 15 WOB, 300 DIFF, 2650 SPP, 478 GPM, 240 MRPM.
Duration (hr)	1.00	Phase 22ICFT	Operation Rotate drill F/9011' T/9058', 47' @ 47.0 FPH, 18 WOB, 70 RPM, 500 DIFF, 2830 SPP, 478 GPM, 240 MRPM.



# University Lands Daily Drilling

Report for: 7/28/2013  
Report #: 34.0, DFS: 28.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 812.00

API/UWI 42461388630000	District MIDLAND	State/Province TEXAS	County/Parish UPTON
Operator HUNT OIL COMPANY	Surface Legal Location A-UL BLK 4 SECTION 12		
Field Name SPRABERRY TREND AREA	Prospect		
Spud Date 6/29/2013 16:30	Original KB Elevation (ft) 2,751.00	Ground Elevation (ft) 2,729.00	
Rig Time (hr) 24.00	Weather Clear	Temperature (°F) 79.0	Hole Condition Good
Current Status/OART Rotating @ 9870'		Lithology 99% SH 1%LS, TR Chert	
24 Hour Forecast Rotate & slide.			

Short Report  
Rotate & slide drill F/9058' T/9713', Trouble shoot MWD, Rotate & slide F/9713' T/9870'.

OPERATION SUMMARY		
Duration (hr) 0.50	Phase 22ICFT	Operation Rotate F/9058' T/9090', 32' @ 64.0 FPH, WOB 18, TDRPM 70, GPM 478, SPP 2830, DIFF 500, MRPM 240, MWI 11.0, MWO 11.0.
Duration (hr) 1.50	Phase 22ICFT	Operation Slide F/9090' T/9120', 30' @ 20.0 FPH, WOB 12 K, MRPM 240, GPM 478, SPM 107, SPP 2600 PSI, MWI 11.0, MWO 11.1.
Duration (hr) 3.50	Phase 22ICFT	Operation Rotate F/9120' T/9254', 134' @ 38.3 FPH, WOB 18, TDRPM 70, GPM 478, SPP 2830, DIFF 500, MRPM 240, MWI 11.1, MWO 11.2.
Duration (hr) 0.50	Phase 22ICFT	Operation Slide F/9254' T/9262', 8' @ 16.0 FPH, WOB 12 K, MRPM 240, GPM 478, SPM 107, SPP 2600 PSI, MWI 11.1, MWO 11.2.
Duration (hr) 3.50	Phase 22ICFT	Operation Rotate F/9262' T/9439', 177' @ 50.6 FPH, WOB 18, TDRPM 70, GPM 478, SPP 2830, DIFF 500, MRPM 240, MWI 11.1, MWO 11.2.
Duration (hr) 1.50	Phase 22ICFT	Operation Slide F/9439' T/9468', 29' @ 19.3 FPH, WOB 12 K, MRPM 240, GPM 478, SPM 107, SPP 2600 PSI, MWI 11.1, MWO 11.2.
Duration (hr) 1.00	Phase 22ICFT	Operation Service rig and top drive.
Duration (hr) 1.50	Phase 22ICFT	Operation Rotate F/9468' T/9527', 59' @ 40 FPH, WOB 18, TDRPM 70, GPM 478, SPP 2830, DIFF 500, MRPM 240, MWI 11.1, MWO 11.2.
Duration (hr) 1.00	Phase 22ICFT	Operation Slide F/9527' T/9551', 24 @ 24.0 FPH, 36 WOB, 470 DIFF, 2950 SPP, 504 GPM, 250 MRPM, 11.4 MW.
Duration (hr) 3.50	Phase 22ICFT	Operation Rotate F/9551' T/9713', 162' @ 46.3 FPH, 19 WOB, 80 RPM, 400 DIFF, 2400 SPP, 420 GPM, 210 MRPM, 11.4 MW.  At 11.4 ppg mud weight, formation began to take mud at an estimated 15-20 BBL/HR. Began pumping 20 BBLS of 11.4 PPG 20 PPB calcium carbonate LCM sweeps every 45 feet and running 2 sacks of mica every hour.
Duration (hr) 1.00	Phase 22ICFT	Operation Trouble shoot MWD tool.
Duration (hr) 2.50	Phase 22ICFT	Operation Slide F/9713' T/9758', 45 @ 18.0 FPH, 13 WOB, 350 DIFF, 2595 SPP, 460 GPM, 230 MRPM, 11.4 MW. Continue pumping LCM sweeps every 45 feet and 2 sacks mica every hour.
Duration (hr) 2.50	Phase 22ICFT	Operation Rotate F/9758' T/9870', 112' @ 44.8 FPH, 15 WOB, 95 RPM, 350 DIFF, 2650 SPP, 420 GPM, 210 MRPM, 11.3 MW. Continue pumping LCM sweeps every 45 feet and 2 sacks mica every hour.  Estimated 90 BBLS of OBM lost to formation over last 6 hours.



# University Lands Daily Drilling

Report for: 7/29/2013  
Report #: 35.0, DFS: 29.56  
Depth Progress: 1,062.00

Well Name: UNIVERSITY 4-12 #3H

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30		Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00			
Rig Time (hr) 24.00	Weather Clear	Temperature (°F) 71.0	Hole Condition Good	Lithology 99% SH 1%LS, TR Chert			
Current Status/OART Sliding @ 10932'			24 Hour Forecast Rotate & slide.				
Short Report Rotate and slide F/9870' T/10932'.							
<b>OPERATION SUMMARY</b>							
Duration (hr) 3.50	Phase 22ICFT	Operation Rotate F/9870' T/10090', 220' @ 62.9 FPH, WOB 18, TDRPM 90, GPM 420, SPP 2700, DIFF MRPM 210, MWI 11.3, MWO 11.3.					
Duration (hr) 2.00	Phase 22ICFT	Operation Slide F/10090' T/10103', 13' @ 6.5 FPH, WOB 12 K, MRPM 240, GPM 478, SPM 107, SPP 2600 PSI, MWI 11.1, MWO 11.2.					
Duration (hr) 2.50	Phase 22ICFT	Operation Rotate F/10103' T/10273', 170' @ 85.0 FPH, WOB 18, TDRPM 90, GPM 420, SPP 2700, DIFF MRPM 210, MWI 11.3, MWO 11.3.					
Duration (hr) 2.00	Phase 22ICFT	Operation Slide F/10273' T/10287', 14' @ 7.0 FPH, WOB 21 K, MRPM 240, GPM 478, SPM 107, SPP 2500 PSI, MWI 11.2, MWO 11.2.					
Duration (hr) 1.00	Phase 22ICFT	Operation Rotate F/10287' T/10364', 77' @ 77.0 FPH, WOB 18, TDRPM 90, GPM 420, SPP 2700, DIFF MRPM 210, MWI 11.3, MWO 11.3.					
Duration (hr) 1.00	Phase 22ICFT	Operation Service rig and top drive.					
Duration (hr) 1.25	Phase 22ICFT	Operation Slide F/10364' T/10379', 15' @ 12 FPH, 13 WOB, 200 DIF, 2420 SPP, 450 GPM, 225 MRPM, 11.2 MWI, 11.2 MWO.					
Duration (hr) 3.00	Phase 22ICFT	Operation Rotate F/10379' T/10552', 173' @ 70 FPH, 17 WOB, 100 TDRPM, 450 DIFF, 2900 SPP, 450 GPM, 225 MRPM, 11.2 MWI, 11.2 MWO.					
Duration (hr) 1.00	Phase 22ICFT	Operation Slide F/10552' T/10570', 18' @ 12 FPH, 20 WOB, 200 DIFF, 2650 SPP, 450 GPM, 225 MRPM, 11.2 MWI, 11.2 MWO.					
Duration (hr) 6.75	Phase 22ICFT	Operation Rotate F/10570' T/10932', 365' @ 54.1 FPH, 18 WOB, 100 TDRPM, 400 DIFF, 2900 SPP, 450 GPM, 225 MRPM, 11.1+ MWI, 11.2 MWO					



## University Lands Daily Drilling

Report for: 7/30/2013  
Report #: 36.0, DFS: 30.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 954.00

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30				Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00	
Rig Time (hr) 24.00	Weather Clear		Temperature (°F) 71.0	Hole Condition Good		Lithology 100% SH	
Current Status/OART Rotating @ 11886'.				24 Hour Forecast Rotate & slide.			
Short Report Rotate and slide drill F/10932 T/11886'.							

OPERATION SUMMARY		
Duration (hr) 1.50	Phase 22ICFT	Operation Slide F/10932' T/10950', 18' @ 12.0 FPH, WOB 21 K, MRPM 240, GPM 478, SPM 107, SPP 2500 PSI, MWI 11.1, MWO 11.2.
Duration (hr) 5.00	Phase 22ICFT	Operation Rotate F/10950' T/11217', 267' @ 53.4 FPH, 17 WOB, 100 TDRPM, 450 DIFF, 3250 SPP, 450 GPM, 225 MRPM, 11.1 MWI, 11.2 MWO.
Duration (hr) 1.50	Phase 22ICFT	Operation Slide F/11217' T/11231', 14' @ 9.3 FPH, WOB 21 K, MRPM 240, GPM 478, SPM 107, SPP 2500 PSI, MWI 11.1, MWO 11.2.
Duration (hr) 7.00	Phase 22ICFT	Operation Rotate F/11231' T/11600', 369' @ 53.4 FPH, 17 WOB, 100 TDRPM, 450 DIFF, 3250 SPP, 450 GPM, 225 MRPM, 11.1 MWI, 11.2 MWO.
Duration (hr) 2.25	Phase 22ICFT	Operation Slide F/11600' T/11615', 15' @ 8 FPH, 25 WOB, 150 DIFF, 3150 SPP, 510 GPM, 255 MRPM, 11.2 MWI, 11.2 MWO.
Duration (hr) 2.00	Phase 22ICFT	Operation Rotate F/11615 T/11696', 81' @ 55 FPH, 18 WOB, 100 TDRPM, 400 DIFF, 3360 SPP, 510 GPM, 255 MRPM, 11.1 MWI, 11.2 MWO.
Duration (hr) 1.75	Phase 22ICFT	Operation Slide F/11696' T/11716', 20' @ 9 FPH, 35 WOB, 150 DIFF, 3050 SPP, 510 GPM, 255 MRPM, 11.2 MWI, 11.2 MWO.
Duration (hr) 3.00	Phase 22ICFT	Operation Rotate F/11716 T/11886', 170' @ 56.7 FPH, 18 WOB, 100 TDRPM, 400 DIFF, 3360 SPP, 510 GPM, 255 MRPM, 11.1 MWI, 11.2 MWO.



# University Lands Daily Drilling

Report for: 7/31/2013  
Report #: 37.0, DFS: 31.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 486.00

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30			Original KB Elevation (ft) 2,751.00			Ground Elevation (ft) 2,729.00	
Rig Time (hr) 24.00	Weather Partly Cloudy		Temperature (°F) 72.0	Hole Condition Good		Lithology 100% SH	
Current Status/OART POOH @5888'.				24 Hour Forecast POOH, C/O mud motor, P/U new BHA, TIH, Rotate & Slide.			
Short Report Rotate and slide drill F/11886' T/12372'. Circulate bottoms up, flow check, pump slug. POOH F/12372' T/5888'.							

## OPERATION SUMMARY

Duration (hr) 2.50	Phase 22ICFT	Operation Slide F/11886' T/11901', 15' @ 6.0 FPH, WOB 28 K, MRPM 240, GPM 478, SPM 107, SPP 3000 PSI, MWI 11.2, MWO 11.2.
Duration (hr) 1.50	Phase 22ICFT	Operation Rotate F/11901' T/11988', 87' @ 58.0 FPH, WOB 18, TDRPM 90, GPM 420, SPP 3300, DIFF 350, MRPM 210, MWI 11.2, MWO 11.2.
Duration (hr) 2.50	Phase 22ICFT	Operation Slide F/11988' T/12010', 22' @ 8.8 FPH, WOB 28 K, MRPM 240, GPM 478, SPM 107, SPP 3000 PSI, MWI 11.2, MWO 11.2.
Duration (hr) 3.50	Phase 22ICFT	Operation Rotate F/12010' T/12180', 170' @ 48.6 FPH, WOB 18, TDRPM 90, GPM 420, SPP 3250, DIFF 525, MRPM 210, MWI 11.2, MWO 11.2.
Duration (hr) 2.50	Phase 22ICFT	Operation Slide F/12180' T/12197', 17' @ 10 FPH, WOB 29 K, MRPM 240, GPM 478, SPM 107, SPP 3100 PSI, MWI 11.2, MWO 11.2.
Duration (hr) 5.00	Phase 22ICFT	Operation Rotate F/12197' T/12362', 165' @ 40 FPH, WOB 16, DIFF 250, SPP 3250, GPM 506, MRPM 253, MWI 11.2, MWO 11.2.
Duration (hr) 2.00	Phase 22ICFT	Operation Slide F/12362' T/12372', 10' @ 6' FPH, WOB 12, DIFF 120, SPP 3150, GPM 506, MRPM 253, MWI 11.2, MWO 11.2.
Duration (hr) 1.00	Phase 22ICFT	Operation Circulate bottoms up, flow check, pump slug.
Duration (hr) 1.00	Phase 22ICFT	Operation POOH F/12372' T/11430'.  POOH due to frequent mud motor differential spikes and low rate of penetration.
Duration (hr) 0.50	Phase 22ICFT	Operation Remove rotating head rubber, install trip nipple.
Duration (hr) 2.00	Phase 22ICFT	Operation POOH F/11430' T/5888'



## University Lands Daily Drilling

Report for: 8/1/2013  
Report #: 38.0, DFS: 32.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 492.00

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30		Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00			
Rig Time (hr) 24.00	Weather Clear	Temperature (°F) 72.0	Hole Condition Good	Lithology 99% Shale 1% Calcite nodules			
Current Status/OART Rotating @ 12864'.			24 Hour Forecast Rotate & slide.				
Short Report POOH, Change out mud motor and bit & BHA, TIH F/Surface T/9269' T/12372'. Slide and rotate F/12372' T/12864'.							
<b>OPERATION SUMMARY</b>							
Duration (hr) 2.50	Phase 22ICFT	Operation POOH F/5888' T/Surface.					
Duration (hr) 2.50	Phase 22ICFT	Operation Change out mud motor & MWD, Test mud motor & MWD, Make up new bit & BHA.					
Duration (hr) 6.00	Phase 22ICFT	Operation TIH F/Surface T/9269'.					
Duration (hr) 1.00	Phase 22ICFT	Operation Service rig.					
Duration (hr) 1.00	Phase 22ICFT	Operation TIH F/9269' T/11142'.					
Duration (hr) 0.50	Phase 22ICFT	Operation Remove trip nipple, install rotating head rubber.					
Duration (hr) 1.00	Phase 22ICFT	Operation TIH F/11142' T/12372'.					
Duration (hr) 0.50	Phase 22ICFT	Operation Slide F/12372' T/12383, 11' @ 20 FPH, 20 WOB, 275 DIFF, 3575 SPP, 462 GPM, 231 MRPM, 11.3 MWI, 11.3 MWO.					
Duration (hr) 9.00	Phase 22ICFT	Operation Rotate F/12383' T/12864', 481' @ 53.4 FPH, 22 WOB, 450 DIFF, 3700 SPP, 462 GPM, 231 MRPM, 11.2+ MWI, 11.2+ MWO.					



# University Lands Daily Drilling

Report for: 8/2/2013  
Report #: 39.0, DFS: 33.56  
Depth Progress: 1,059.00

Well Name: UNIVERSITY 4-12 #3H

API/UWI 42461388630000	District MIDLAND	State/Province TEXAS	County/Parish UPTON
Operator HUNT OIL COMPANY	Surface Legal Location A-UL BLK 4 SECTION 12		
Field Name SPRABERRY TREND AREA	Prospect		
Spud Date 6/29/2013 16:30	Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00
Rig Time (hr) 24.00	Weather Clear	Temperature (°F) 100.0	Hole Condition Good
Current Status/OART Sliding @ 13923'.		Lithology 70% Shale 25% Dolomite, 5% Calcite	
Short Report Rotate & slide F/12864' T/13923', 1059' @ 46.1 FPH.		24 Hour Forecast Rotate & slide.	

OPERATION SUMMARY		
Duration (hr) 1.50	Phase 22ICFT	Operation Slide F/12864' T/12887', 23' @ 15.3' FPH, WOB 10, DIFF 175, SPP 3350, GPM 460, MRPM 230, MWI 11.3, MWO 11.3.
Duration (hr) 3.00	Phase 22ICFT	Operation Rotate F/12887' T/13055', 168' @ 56.0 FPH, WOB 16, DIFF 500 , SPP 3700, GPM 460, MRPM 230, MWI 11.3, MWO 11.3.
Duration (hr) 2.50	Phase 22ICFT	Operation Slide F/13055 T/13078', 23' @ 9.2' FPH, WOB 12, DIFF 100, SPP 3400, GPM 460, MRPM 230, MWI 11.2, MWO 11.3.
Duration (hr) 3.00	Phase 22ICFT	Operation Rotate F/13078' T/13247', 169' @ 56.3 FPH, WOB 16, DIFF 350 , SPP 3500, GPM 460, MRPM 230, MWI 11.2, MWO 11.2.
Duration (hr) 1.00	Phase 22ICFT	Operation Service rig and top drive.
Duration (hr) 3.50	Phase 22ICFT	Operation Rotate F/13247' T/13447', 200' @ 57.1 FPH, WOB 18, DIFF 350 , SPP 3500, GPM 460, MRPM 230, MWI 11.2, MWO 11.2.
Duration (hr) 0.50	Phase 22ICFT	Operation Slide F/13447 T/13464', 17' @ 17.0' FPH, WOB 16, DIFF 125, SPP 3400, GPM 460, RPM 230, MWI 11.2, MWO 11.2.
Duration (hr) 8.00	Phase 22ICFT	Operation Rotate F/13464' T/13906', 442' @ 55.3 FPH, WOB 20, DIFF 400 , SPP 3500, GPM 460, MRPM 230, MWI 11.2, MWO 11.2.
Duration (hr) 1.00	Phase 22ICFT	Operation Slide F/13906 T/13923', 17' @ 17.0' FPH, WOB 18, DIFF 150, SPP 3400, GPM 460, RPM 230, MWI 11.2, MWO 11.2.



# University Lands Daily Drilling

Report for: 8/3/2013  
Report #: 40.0, DFS: 34.56  
Depth Progress: 1,001.00

Well Name: UNIVERSITY 4-12 #3H

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30		Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00			
Rig Time (hr) 24.00	Weather Clear	Temperature (°F) 99.0	Hole Condition Good	Lithology 95% Shale 5% Dolomite			
Current Status/OART Rotating @ 14924'.			24 Hour Forecast Rotate & slide.				
Short Report Rotate & slide F/13923' T/14924', 1001' @ 43.5 FPH.							

OPERATION SUMMARY		
Duration (hr)	Phase	Operation
1.50	22ICFT	Rotate F/13923' T/14002', 79' @ 52.7 FPH, WOB 20, DIFF 350 , SPP 3750, GPM 444, MRPM 222, MWI 11.2, MWO 11.2.
2.00	22ICFT	Slide F/14002' T/14023', 21' @ 10.5' FPH, WOB 18, DIFF 125, SPP 3350, GPM 444, RPM 222, MWI 11.2, MWO 11.2.
6.00	22ICFT	Rotate F/14023' T/14381', 358' @ 59.7 FPH, WOB 20, DIFF 350 , SPP 3650, GPM 444, MRPM 222, MWI 11.3, MWO 11.4.
2.00	22ICFT	Slide F/14381' T/14404', 23 @ 11.5' FPH, WOB 18, DIFF 150, SPP 3400, GPM 460, RPM 230, MWI 11.3, MWO 11.4.
1.00	22ICFT	Service rig & top drive.
11.50	22ICFT	Rotate F/14404' T/14924', 520' @ 45.2 FPH, WOB 20, DIFF 350 , SPP 3600, GPM 460, MRPM 230, MWI 11.3, MWO 11.4.





# University Lands Daily Drilling

Report for: 8/4/2013  
Report #: 41.0, DFS: 35.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 966.00

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30			Original KB Elevation (ft) 2,751.00			Ground Elevation (ft) 2,729.00	
Rig Time (hr) 24.00	Weather Clear		Temperature (°F) 99.0	Hole Condition Good		Lithology 95% Shale 5% Dolomite	
Current Status/OART Rotating @ 15890'.				24 Hour Forecast Rotate & slide to TD, Circulate & clean hole, Short Trip.			
Short Report Rotate & slide F/14924' T/15890', 966' @ 42.0 FPH.							

OPERATION SUMMARY		
Duration (hr) 5.50	Phase 22ICFT	Operation Rotate F/14924' T/15246', 322' @ 58.5 FPH, WOB 20, DIFF 450 , SPP 3600, GPM 460, MRPM 230, MWI 11.3, MWO 11.3.
Duration (hr) 2.50	Phase 22ICFT	Operation Slide F/15246' T/15275', 29 @ 11.6' FPH, WOB 18, DIFF 150, SPP 3400, GPM 460, RPM 230, MWI 11.3, MWO 11.4.
Duration (hr) 1.00	Phase 22ICFT	Operation Rotate F/15246' T/15333', 87' @ 87.0 FPH, WOB 20, DIFF 450 , SPP 3600, GPM 460, MRPM 230, MWI 11.3, MWO 11.3.
Duration (hr) 1.00	Phase 22ICFT	Operation Service rig and top drive.
Duration (hr) 2.00	Phase 22ICFT	Operation Rotate F/15333' T/15428', 95' @ 47.5 FPH, WOB 20, DIFF 450 , SPP 3600, GPM 460, MRPM 230, MWI 11.3, MWO 11.3.
Duration (hr) 2.50	Phase 22ICFT	Operation Slide F/15428' T/15457', 29 @ 11.6' FPH, WOB 18, DIFF 150, SPP 3400, GPM 460, RPM 230, MWI 11.2, MWO 11.2.
Duration (hr) 9.50	Phase 22ICFT	Operation Rotate F/15457' T/15890', 433' @ 45.6 FPH, WOB 20, DIFF 375 , SPP 3600, GPM 460, MRPM 230, MWI 11.2, MWO 11.2.



# University Lands Daily Drilling

Report for: 8/5/2013  
Report #: 42.0, DFS: 36.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 406.00

API/UWI 42461388630000	District MIDLAND	State/Province TEXAS	County/Parish UPTON
Operator HUNT OIL COMPANY	Surface Legal Location A-UL BLK 4 SECTION 12		
Field Name SPRABERRY TREND AREA	Prospect		
Spud Date 6/29/2013 16:30	Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00
Rig Time (hr) 24.00	Weather Clear	Temperature (°F) 100.0	Hole Condition Good
Current Status/OART		Lithology 95% Shale 5% Dolomite	
Short Report		24 Hour Forecast TIH, Pump 1 set Weighted & Hi-Vis sweeps & circulate until shakes clean, POOH F/16296' laying down DP.	

Rotate F/15890' T/16296', 406' @ 50.8 FPH, Circulate 3 bottoms up while pumping Hi-Vis sweeps until shakers clean, Short Trip F/16296' T/8814', Circulate while pumping Weighted & Hi-Vis sweeps until shakers clean, POOH F/8814' T/7941', Circulate while pumping Weighted & Hi Vis Sweeps until shakers clean.

## OPERATION SUMMARY

Duration (hr) 7.50	Phase 22ICFT	Operation Rotate F/15890' T/16289', 399' @ 53.2 FPH, WOB 20, DIFF 375 , SPP 3600, GPM 460, MRPM 230, MWI 11.2, MWO 11.2.
Duration (hr) 1.00	Phase 22ICFT	Operation Service rig and top drive.
Duration (hr) 0.50	Phase 22ICFT	Operation Rotate F/16289' T/116296', 7' @ 14.0 FPH, WOB 20, DIFF 375 , SPP 3600, GPM 460, MRPM 230, MWI 11.2, MWO 11.2.
Duration (hr) 4.50	Phase 22ICFT	Operation Circulate 3 bottoms up, pumping Hi-Vis sweeps until shakers clean.
Duration (hr) 0.50	Phase 22ICFT	Operation Flow Check, No flow, Pump slug.
Duration (hr) 4.00	Phase 22ICFT	Operation POOH F/16296' T/8844' (79 Stands), monitor hole on trip tank.
Duration (hr) 3.50	Phase 22ICFT	Operation Circulate @ 8814', Pump weighted & hi-vis sweeps until shakers clean, Flow check, No flow, Pump slug.
Duration (hr) 0.50	Phase 22ICFT	Operation POOH F/8814' T/7941', monitor hole on trip tank.
Duration (hr) 2.00	Phase 22ICFT	Operation Circulate @ 7941', Pump weighted & hi-vis sweeps, Clean hole, Circulate out heavy mud.



# University Lands Daily Drilling

Report for: 8/6/2013  
Report #: 43.0, DFS: 37.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 0.00

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30		Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00			
Rig Time (hr) 24.00	Weather Clear	Temperature (°F) 102.0	Hole Condition Good	Lithology 95% Shale 5% Dolomite			
Current Status/OART L/D DP @ 9403'.			24 Hour Forecast L/D DP, RIH W/5-1/2" csg.				
Short Report Circulate & condition mud, STIH T/16296', Circulate & pump Weighted & Hi-Vis sweeps, R/U lay down truck, Pump glass beads into lateral, PJSM, L/D DP T/9403'.							

OPERATION SUMMARY		
Duration (hr)	Phase	Operation
4.00	22ICFT	Circulate and clean hole @ 7941', Reduce system mud weight F/11.6+ ppg T/11.3 ppg.
5.50	22ICFT	TIH F/7941' T/16296', Fill up DP every 30 stands, Tight hole @ 8800', 9000'. and 11400'.
6.50	22ICFT	Circulate & condition hole while rotating @ 85 RPM, Pump Weighted & Hi-Vis sweeps.
0.50	22ICFT	Rig up lay down truck.
0.50	22ICFT	Pump and spot 90 bbls glass bead pill in lateral.
0.50	22ICFT	Flow check, no flow, pump slug, Pull one stand of DP.
0.50	22ICFT	PJSM W/Rig personnel, lay down truck personnel and company man,
6.00	22ICFT	Lay down drill pipe F/16257' T/9403'.



## University Lands Daily Drilling

Report for: 8/7/2013  
Report #: 44.0, DFS: 38.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 0.00

API/UWI 42461388630000	District MIDLAND	State/Province TEXAS	County/Parish UPTON
Operator HUNT OIL COMPANY	Surface Legal Location A-UL BLK 4 SECTION 12		
Field Name SPRABERRY TREND AREA	Prospect		
Spud Date 6/29/2013 16:30	Original KB Elevation (ft) 2,751.00	Ground Elevation (ft) 2,729.00	
Rig Time (hr) 24.00	Weather Clear	Temperature (°F) 102.0	Hole Condition Good
Current Status/OART		Lithology 95% Shale 5% Dolomite	
		24 Hour Forecast Run 5-1/2" casing and cement in place.	

## Short Report

L/D DP & BHA, Pull wear bushing, Clean rig floor, R/U to run 5-1/2", 20 PPF, P-110 production csg, Work on power tongs, RIH W/92 Joints 5-1/2" production csg F/Surface T/4414', Filling csg as needed.

## OPERATION SUMMARY

Duration (hr) 9.00	Phase 22ICFT	Operation Lay down drill pipe F/9403' T/101', Monitor well on trip tank.
Duration (hr) 2.00	Phase 22ICFT	Operation Break off bit, Lay down BHA F/101' T/Surface, Pull wear bushing.
Duration (hr) 1.50	Phase 22ICFT	Operation Clean rig floor, Reposition lay down truck for casing.
Duration (hr) 1.50	Phase 22ICFT	Operation Rig up casing running equipment, power tongs, and torque turn computers, Change out elevator bales and elevators, Set casing spiders.  At 1945 PM, Notify Operator ORC, Rebecca at Texas Railroad Commission District 7 C of impending 5-1/2" production casing job on 8-7/2013. Estimated time of cementing given as 5:00 PM.
Duration (hr) 0.50	Phase 22ICFT	Operation PJSM W/Rig crews, casing crews, torque turn, thread reps and company personnel.
Duration (hr) 1.50	Phase 22ICFT	Operation Make up and flow test 5-1/2" float shoe, 2 joints of shoe track, float collar, short joint, latch down collar, one joint, RSIS sleeve, short joint and one joint 5-1/2" casing. Flow test good
Duration (hr) 1.50	Phase 22ICFT	Operation Work on power tongs.
Duration (hr) 6.50	Phase 22ICFT	Operation Run in hole W/92 Joints 5-1/2, 20 PPF, P-110 production casing F/Surface T/4414', Filling casing as needed.



## University Lands Daily Drilling

Report for: 8/8/2013  
Report #: 45.0, DFS: 39.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 0.00

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30				Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00	
Rig Time (hr) 24.00	Weather Clear		Temperature (°F) 101.0	Hole Condition Good		Lithology 95% Shale 5% Dolomite	
Current Status/OART Well Shut In.				24 Hour Forecast WOC, N/D, Wash Pits, Release Rig, Release Equipment.			
Short Report RIH W/253 Jts. 5-1/2", 20 PPF, P-110 Csg F/4414' T/16280' (CSG Shoe Landed @ 16280'), Circ & cond hole, R/D Csg Equip, R/U Cmt Equip, Pump 60 bbls weighted spacer, 2320 sks of 14.2 ppg 50:50:2 POZ: Class H cement (Yield = 1.28 cft/sx)+ additives & mix water displaced by 1.0 bbls Fresh Water + 20 bbls 10% Acetic Acid + additives, followed 339 bbls fresh water. Bump plug W/500 PSI over @ 3310. Well Shut in for 5 hours W/3300 Initial PSI.							
<b>OPERATION SUMMARY</b>							
Duration (hr) 14.50	Phase 22ICFT		Operation Run in hole W/Final 253 of 345 Joints 5-1/2, 20 PPF, P-110 production casing F/4414' T/16280', Filling casing as needed. Casing shoe landed @ 16280'.				
Duration (hr) 3.50	Phase 22ICFT		Operation Circulate hole clean prior to cementing casing, Rig down casing equipment, Clean rig floor, Rig down CRT, Rig up cement equipment.				
Duration (hr) 0.50	Phase 22ICFT		Operation Circulate while mixing cement spacer.				
Duration (hr) 1.50	Phase 22ICFT		Operation PJSM W/Rig personnel, company personnel, & cementers, Rig up cement swedges and lines.				
Duration (hr) 4.00	Phase 22ICFT		Operation Pump 60 bbls weighted spacer, followed by 2320 sks of 14.2 ppg 50:50:2 POZ: Class H cement (Yield = 1.28 cft/sx)+ 0.15% bwoc R-3 + 2% bwow Sodium Chloride + 0.5% bwoc CD-32 + 0.3% bwoc FL-25 + 0.4% bwoc FL-52 + 0.3% bwoc Sodium Metasilicate + 2% bwoc Bentonite II + 57.1% Fresh Water, followed by 1.0 bbls Fresh Water displacement followed by 20 bbls 10% Acetic Acid + 2 gpt Ferrotrol 300L + 1 gpt CI-111, displaced by 348 bbls fresh water. Bumped plug W/500 psi over @ 3310 psi @ 0535 AM. Well Shut In for 5 Hours, Initial Pressure, 3300 psi.				



# University Lands Daily Drilling

Report for: 8/9/2013  
Report #: 46.0, DFS: 40.56

Well Name: UNIVERSITY 4-12 #3H

Depth Progress: 0.00

API/UWI 42461388630000		District MIDLAND		State/Province TEXAS		County/Parish UPTON	
Operator HUNT OIL COMPANY				Surface Legal Location A-UL BLK 4 SECTION 12			
Field Name SPRABERRY TREND AREA				Prospect			
Spud Date 6/29/2013 16:30				Original KB Elevation (ft) 2,751.00		Ground Elevation (ft) 2,729.00	
Rig Time (hr) 24.00		Weather Clear		Temperature (°F) 100.0		Hole Condition Good	
				Lithology 95% Shale 5% Dolomite			
Current Status/OART Washing and cleaning mud pits				24 Hour Forecast Finish washing mud pits, Release rig.			
Short Report WOC, Release pressure, P/U BOPS, Set slips, N/D BOP's, Set wellhead, test wellhead T/5000 psi, R/D casing elevators & bales, Washing & cleaning mud pits. Pits finished, Rig Released at 5:00 AM, 8/9/2013.							

OPERATION SUMMARY		
Duration (hr)	Phase	Operation
5.00	22ICFT	Hold pressure, Wait on Cement. Rigging down.
5.00	22ICFT	Bleed off pressure on casing, recover 4 bbls flow back, Rig down cement head, Remove casing slips, Remove flow line dresser sleeve, Drain BOP stack, Break out bolts on rotating head, BOP stack, Choke line, Remove kill line & HCR valves, Raise stack lift to floor, Washing out mud pits.
0.50	22ICFT	Pick up BOP stack, set slips W/100000 lbs over string weight @ 230,000 lbs, Make rough cut. Washing out & cleaning mud pits.
3.00	22ICFT	Nipple down BOP, Split BOP Stack, N/U Rotating Head. Washing out & cleaning mud pits.
2.50	22ICFT	Install tubing head, test head to 5000 psi.
5.00	22ICFT	Rig down casing elevator bales and elevators, clean rig floor, wash out mud pumps and mud lines. Washing and cleaning mud pits.
2.00	22ICFT	Washing and cleaning out mud pits, Pits finished, Rig Released @ 5:00 AM, 8/9/2013.
1.00	22ICFT	Rigging down.