

Well Name: UNIVERSITY 10 2702H

API/UWI 4238338227		Surface Legal Location S 27, BLK 10, ULS		Lease Number 756381		State/Province Texas	
Spud Date 8/24/2013 19:30		Rig Release Date		KB-Ground Distance (ft) 25.00		KB-Casing Flange Distance (ft)	
Weather Clear		Temperature (°F) 95.0		Road Condition Good		Hole Condition Good	
Operations at Report Time				Operations Next Report Period Finish tripping out and determine where we lost pressure.			
Operations Summary Drlg Rotate and Slide f/ 13,970' to 15,639', hole packing off and stalling rotary, pump weighted sweep to clean hole, while working stuck pipe torque fell off to 1500 ft/lbs and flow observed but psi low, TOO H to determine what depth we twisted off drill pipe							
Remarks							
Mud Checks							
Time 06:00	Type Oil Base	Depth (ftKB) 15,475.0	Density (lb/gal) 9.05	Vis (s/qt) 52	PV Calc (cP) 16.0	YP Calc (lb/100ft²) 12.000	
Gel (10s) (lb/100ft²) 8.000	Gel (10m) (lb/100ft²) 11.000	Gel (30m) (lb/100ft²) 15.000	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Solids (%) 9.0	
MBT (lb/bbl)	Percent Oil (%) 77.0	Percent Water (%) 23.0	Chlorides (mg/L) 40,000.000	Calcium (mg/L) 27,000.000	Potassium (mg/L)	Electric Stab (V) 593.0	
Drill Strings							
BHA #5, Steerable							
Bit Run 6	Drill Bit 8 3/4in, MMD55DC, 12840604			IADC Bit Dull -----		TFA (incl Noz) (in²) 1.87	
Nozzles (1/32") 22/22/22/22/22				String Length (ft) 15,639.00	String Wt (1000lbf) 311	BHA ROP (ft/hr) 211.2	
Drilling Parameters							
Wellbore OH	Start Depth (ftKB) 13,970.0	End Depth (ftKB) 15,639.0	Cum Depth (ft) 6,020.00	Drilling Time (hr) 0.00	Cum Drill Time (hr) 28.50	Int ROP (ft/hr)	Flow Rate (gpm) 600
WOB (1000lbf) 35	RPM (rpm) 90	SPP (psi) 3,400.0	Drill Str Wt (100... 185	PU Str Wt (1000... 195	SO Str Wt (1000... 170	Drilling Torque 15,000.0	Off Bottom Torque 4,500.0
Q Gas Inj (ft³/min)	T Inj (°F)	P BH Ann (psi)	T BH (°F)	P Surf Annulus (...)	T Surf Annulus (...)	Q Liq Return (gp...	Q Gas Return (ft³...

Start Depth (ftKB) 13,970.0		End Depth (ftKB) 15,639.0	
Target Depth (ftKB) 16,340.0		Days LTI (days)	
Last Casing String Intermediate, 7,524.0ftKB			
Daily Contacts			
Job Contact		Mobile	
Stoney Marquis, Consultant		(940) 594-3028	
Rigs			
Contractor Trinidad Drilling		Rig Number 101	
Rig Supervisor Tim Sepulvado, Rig Manager		Phone Mobile (318) 602-8578	
Mud Pumps			
# 1 , National Supply , 12-P-160			
Pump Rating (hp) 1,000.0		Rod Diameter (in) Stroke (in) 12.01	
Liner Size (in) 6		Vol/Stk OR (bbl/stk) 0.100	
P (psi) 400.0	Slow Spd Yes	Strokes (sp... 30	Eff (%) 95
# 2 , National Supply , 12-P-160			
Pump Rating (hp) 1,000.0		Rod Diameter (in) Stroke (in) 12.01	
Liner Size (in) 6		Vol/Stk OR (bbl/stk) 0.100	
P (psi) 500.0	Slow Spd Yes	Strokes (sp... 40	Eff (%) 95
Survey Data (last 5 records)			
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)

Well Name: UNIVERSITY 10 2702H

API/UWI 4238338227	Surface Legal Location S 27, BLK 10, ULS	Lease Number 756381	State/Province Texas
Spud Date 8/24/2013 19:30	Rig Release Date	KB-Ground Distance (ft) 25.00	KB-Casing Flange Distance (ft)
Weather Clear	Temperature (°F) 95.0	Road Condition Good	Hole Condition Good
Operations at Report Time TIH to 6700' w/ fishing bha # 2		Operations Next Report Period TIH to tag fish @ 7805', latch onto fish and jar drill pipe and bha out of hole	
Operations Summary Finish TOOH, retrieved 7826' of parted drill pipe, left 7804' of pipe and Bha in hole, wait on fishing tools and fisherman, TIH w/ 5 1/8th overshot and jars, Tag fish @ 7805', attempt tp latch onto fish several times w/ no success, TOOH to inspect overshot, observed marks indicating overshot was over fish, decision made to p/u 5" overshot and attempt to catch fish, TIH w/ fishing bha # 2			
Remarks			

Mud Checks						
Time 06:00	Type Oil Base	Depth (ftKB) 15,639.0	Density (lb/gal) 9.40	Vis (s/qt) 57	PV Calc (cP) 16.0	YP Calc (lb/100ft²) 11.000
Gel (10s) (lb/100ft²) 10.000	Gel (10m) (lb/100ft²) 12.000	Gel (30m) (lb/100ft²) 16.000	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Solids (%) 10.0
MBT (lb/bbl)	Percent Oil (%) 77.0	Percent Water (%) 23.0	Chlorides (mg/L) 38,000.000	Calcium (mg/L) 27,000.000	Potassium (mg/L)	Electric Stab (V) 569.0

Drill Strings						
BHA #<stringno>, <des>						
Bit Run	Drill Bit		IADC Bit Dull			TFA (incl Noz) (in²)
Nozzles (1/32")				String Length (ft)	String Wt (1000lbf)	BHA ROP (ft/hr)

Drilling Parameters							
Wellbore	Start Depth (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Drilling Time (hr)	Cum Drill Time (hr)	Int ROP (ft/hr)	Flow Rate (gpm)
WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (100...	PU Str Wt (1000...	SO Str Wt (1000...	Drilling Torque	Off Bottom Torque
Q Gas Inj (ft³/min)	T Inj (°F)	P BH Ann (psi)	T BH (°F)	P Surf Annulus (...)	T Surf Annulus (...)	Q Liq Return (gp...	Q Gas Return (ft³...

Start Depth (ftKB) 15,639.0	End Depth (ftKB) 15,639.0
Target Depth (ftKB) 16,340.0	Days LTI (days)
Last Casing String Intermediate, 7,524.0ftKB	

Daily Contacts	
Job Contact	Mobile
Stoney Marquis, Consultant	(940) 594-3028
Rigs	
Contractor Trinidad Drilling	Rig Number 101
Rig Supervisor Tim Sepulvado, Rig Manager	Phone Mobile (318) 602-8578

Mud Pumps			
# 1 , National Supply , 12-P-160			
Pump Rating (hp) 1,000.0	Rod Diameter (in)	Stroke (in) 12.01	
Liner Size (in) 6		Vol/Stk OR (bbl/stk) 0.100	
P (psi) 400.0	Slow Spd Yes	Strokes (sp... 30	Eff (%) 95
# 2 , National Supply , 12-P-160			
Pump Rating (hp) 1,000.0	Rod Diameter (in)	Stroke (in) 12.01	
Liner Size (in) 6		Vol/Stk OR (bbl/stk) 0.100	
P (psi) 500.0	Slow Spd Yes	Strokes (sp... 40	Eff (%) 95

Survey Data (last 5 records)			
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)

Well Name: UNIVERSITY 10 2702H

API/UWI 4238338227	Surface Legal Location S 27, BLK 10, ULS	Lease Number 756381	State/Province Texas				
Spud Date 8/24/2013 19:30	Rig Release Date	KB-Ground Distance (ft) 25.00	KB-Casing Flange Distance (ft)				
Weather Clear	Temperature (°F) 94.0	Road Condition Good	Hole Condition Good				
Operations at Report Time Jarring fish out of hole @ 5997'		Operations Next Report Period Jar fish out of hole					
Operations Summary Finish TIH w/ fishing bha # 2, tag fish @ 7805', latch onto fish, begin jarring on fish and working pipe out of hole f/ 7805' to 5997'							
S/O 130k to cock jars and P/U to 375K to fire jars, then P/U to 450K							
Remarks							
Mud Checks							
Time 06:00	Type Oil Base	Depth (ftKB) 15,639.0	Density (lb/gal) 9.50	Vis (s/qt) 61	PV Calc (cP) 17.0	YP Calc (lb/100ft²) 12.000	
Gel (10s) (lb/100ft²) 11.000	Gel (10m) (lb/100ft²) 13.000	Gel (30m) (lb/100ft²) 17.000	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Solids (%) 10.0	
MBT (lb/bbl)	Percent Oil (%) 78.0	Percent Water (%) 22.0	Chlorides (mg/L) 40,000.000	Calcium (mg/L) 27,000.000	Potassium (mg/L)	Electric Stab (V) 597.0	
Drill Strings							
BHA #<stringno>, <des>							
Bit Run	Drill Bit	IADC Bit Dull			TFA (incl Noz) (in²)		
Nozzles (1/32")				String Length (ft)	String Wt (1000lbf)	BHA ROP (ft/hr)	
Drilling Parameters							
Wellbore	Start Depth (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Drilling Time (hr)	Cum Drill Time (hr)	Int ROP (ft/hr)	Flow Rate (gpm)
WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (100...	PU Str Wt (1000...	SO Str Wt (1000...	Drilling Torque	Off Bottom Torque
Q Gas Inj (ft³/min)	T Inj (°F)	P BH Ann (psi)	T BH (°F)	P Surf Annulus (...)	T Surf Annulus (...)	Q Liq Return (gp...	Q Gas Return (ft³...

Start Depth (ftKB) 15,639.0		End Depth (ftKB) 15,639.0	
Target Depth (ftKB) 16,340.0		Days LTI (days)	
Last Casing String Intermediate, 7,524.0ftKB			
Daily Contacts			
Job Contact		Mobile	
Stoney Marquis, Consultant		(940) 594-3028	
Rigs			
Contractor Trinidad Drilling		Rig Number 101	
Rig Supervisor Tim Sepulvado, Rig Manager		Phone Mobile (318) 602-8578	
Mud Pumps			
# 1 , National Supply , 12-P-160			
Pump Rating (hp) 1,000.0		Rod Diameter (in) Stroke (in) 12.01	
Liner Size (in) 6		Vol/Stk OR (bbl/stk) 0.100	
P (psi) 400.0	Slow Spd Yes	Strokes (sp... 30	Eff (%) 95
# 2 , National Supply , 12-P-160			
Pump Rating (hp) 1,000.0		Rod Diameter (in) Stroke (in) 12.01	
Liner Size (in) 6		Vol/Stk OR (bbl/stk) 0.100	
P (psi) 500.0	Slow Spd Yes	Strokes (sp... 40	Eff (%) 95
Survey Data (last 5 records)			
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)