

Daily Drilling Report

UNIVERSITY 7-15 1D		PERMIAN ASSET TEAM	
H & P #352		Job:	ODR
Accept: 10/4/2017	Release:	Report Date:	10/12/2017
Days Since LTI: 211.00	Days Since RI: 211.00	Report #:	11
		DFS:	8
		AFE #:	043480
		Total AFE + Sup:	\$1,106,176.00
		Daily Field Est. (Cost):	\$110,988.83

API/UWI 42-317-40798-0000		Well Profile DISPOSAL		Open Formation SAN ANDRES		Field Name SPRABERRY (TREND AREA)											
SSN DWN00193	WellIDE	Property Sub 932864-001	KB-Grd (ft) 16.00	Orig KB Elev (ft) 2,919.00	Ground Elevation (ft) 2,903.00	Spud Date 9/19/2017	TD Date 10/10/2017										
Safety Checks																	
Time	Type	Des	Tour	Com													
06:00	MEETING	PRE-TOUR	DAY	Discussed hazards associated when running wireline logs, loss of fingers or hand when handling cable, RTM only to use hoist. Rules to Live By: #2 By-Passing Safety Critical Equipment Core Value: #2. Ethics and Honesty - We are ethical and honest in all of our business dealings.													
18:00	MEETING	PRE-TOUR	NIGHT	Discussed working on maintenance projects for all rig services while logging, hazards associated when running wireline logs, loss of fingers or hand when handling cable, RTM only to use hoist. Rules to Live By: #2 By-Passing Safety Critical Equipment Core Value: #2. Ethics and Honesty - We are ethical and honest in all of our business dealings.													
19:00	PROACTIVE MEASURES	STOP CARD - NON PNR	NIGHT	Observed third party hand wearing his safety glaases behind his neck. I discussed Pioneer's safety policy and the safety benefits to wearing proper eye protection with the third party hand.													
Job Dates (ex. Estimated Pad Release, TXRRC Calls)																	
Type			Subtype		Date		Note										
MILESTONE			ESTIMATED PAD RELEASE		10/27/2017		Update 10-4-2017 First well on single well pad										
Daily Operations																	
Footage/Meterage (ft) 0.00		Drilling Hours (hr)		% Rotating Time (%)		End Depth (ftKB) 5,480.0		Target Depth (ftKB) 5,470.0		Daily Field Est Total (Cost) 110,988.83		Cum Field Est To Date (Cost) 956,906.33					
24 HR ROP (ft/hr)		Circulating Hours (hr)		% Sliding Time (%)		End Depth (TVD) (ftKB) 5,472.2		Target Depth (TVD) (ftKB) 5,470.0		Daily Mud Field Est (Cost) 4,816.39		Cum Mud Field Est (Cost) 42,476.06		Total AFE + Sup (Cost) 1,106,176.00			
Daily Goal Description DRILLED FEET				Daily Goal - Last 24 0.0				Daily Goal - Next 24 0.0				Goal Comments Achieved Goal					
Backbuild		Lateral Incln		North-South Distance (ft)		East-West Distance (ft)		Town Dist (ft)		Last Casing String SURFACE, 1,914.0ftKB				Next Casing String PRODUCTION, 5,480.0ftKB			
Avg Connection Gas 0.00			Avg Trip Gas			Avg Background Gas 0.00			Max Connection Gas 0.00			Max Trip Gas			Max Drill Gas 0.00		
Operations Summary Continue running Quad Combo logs, run log run #2 NMR / GR, Lay down tools, pick up third log run tools, TIH, pressure test 8 of 17 total test points.																	
Operations Next Report Period Continue logging with Formation tester (MFT/GR), rig down loggers, rig up CRT, run 7" casing, circ																	
Operations at Report Time Running Formation tester logs																	
Remarks Surface 100% Production 100% Gen #1 = 24 Gen #2 = 24 Last survey Rig Name: H & P 352 Well Name: University 7-15 1D Plan# 1 Current Drilling Window: 50' Radius Survey MD: 5435' INC: 6.02° AZI: 241.56° TVD: 5427.37' VS: -33.12' DLS: 0.1																	
Time Log																	
Start Time	Dur (hr)	End Time	Phase	Operation	Ops Category	Com				Start Depth (ftKB)	End Depth (ftKB)	Prob Hrs (hr)	Prob Ref #				
06:00	5	11:00	PROD, LOG	WL	NORMAL	Run Super Combo wireline logs, monitor well on trip tank.				5,480.0	5,480.0						
11:00	1.5	12:30	PROD, LOG	WL	NORMAL	Rig down Super Combo tools / Rig up NMR / GR				5,480.0	5,480.0						
12:30	11.25	23:45	PROD, LOG	WL	NORMAL	RIH and run 2nd set of logs NMR / GR, monitor well on trip tank.				5,480.0	5,480.0						
23:45	1.5	01:15	PROD, LOG	WL	NORMAL	Lay down NMR/ GR tools, pick up MFT/ GR tools and TIH				5,480.0	5,480.0						
01:15	4.75	06:00	PROD, LOG	WL	NORMAL	Run 17 formation pressure test with MFT/ GR tool, planned pressure test points are 5425', 5418', 5312', 5272', 5265', 5236', 5155', 5152', 5129, 5065', 5044', 4994', 4988', 4743', 4638', 4534', and 4289'. 8 tests completed at report time. Monitor well on trip tank.				5,480.0	5,480.0						
Hydraulic Calculations																	
Dens Mud (lb/gal)	ECD End (lb/gal)	Bit Hydraulic Power (hp)		HP/Area (hp/in²)	Jet Vel (ft/s)	Bit dP (psi)	Min Open Hole AV (ft/min)	Max Open Hole AV (ft/min)	Vol DrillString (bbl)	Vol Bit to Shoe (bbl)	Vol Shoe to Top (bbl)						
Daily Drilling Report																	

Daily Drilling Report

UNIVERSITY 7-15 1D	
H & P #352	
Accept: 10/4/2017	Release:
Days Since LTI: 211.00	Days Since RI: 211.00

PERMIAN ASSET TEAM	
Job:	ODR
Report Date:	10/12/2017
Report #:	11
DFS:	8
AFE #:	043480
Total AFE + Sup:	\$1,106,176.00
Daily Field Est. (Cost):	\$110,988.83

Mud Checks																		
Time 13:30		Mud Company QMAX SOLUTIONS			Type OIL BASE		Depth (ftKB) 5,480.0		Density (lb/gal) 10.70		Funnel Viscosity (s/qt) 55		T Flowline (°F)					
PV (cP) 18.0		YP (lb/100ft²) 11.000		Vis 3rpm 7		Vis 6rpm 8		Filtrate (mL/30min)		HTHP Filtrate (mL/30min) 10.4		HTHP Temperature (°F) 250.0		HTHP Pressure (psi)				
Solids (%) 18.0				Low Gravity Solids (%) 8.5			Sand (%)			MBT (lb/bbl)			Pm (mL/mL)		Pf (mL/mL)			
Chlorides (ppm) 29,000.000			Calcium (ppm)			CaCl (ppm)		Oil Water Ratio 82.9/17.1			Electric Stab (V) 730.0			Lime (lb/bbl) 4.0		pH		
Gel 10 sec (lb/100ft²) 8.000						Gel 10 min (lb/100ft²) 13.000						Gel 30 min (lb/100ft²) 14.000						
Comment Rig Activity Last 24 hrs: Logging with Weatherford. Recommended Fluids Treatment: Maintain MW @ 10.7 ppg till 7" casing is set. No treatment to OBM today. Working on centrifuge to get adjustments made where the effluent will be discharging % LGS that complement the rig shakers using finest screens possible to keep LGS within specs.																		
Jobs																		
Responsible Grp 2				Job Type			Start Date				End Date			Job Status				
DRL ENG - FLOYD FELDERHOFF				ODR			9/18/2017 06:00							IN PROGRESS				
Last BOP Test																		
Date		Test Type			Item Tested				Next Test Date			Com						
10/7/2017		BOP			BOP'S, 10/4/2017 14:30, <class>				10/28/2017									
Leak Off and Formation Integrity Tests																		
Test Type				Depth (ftKB)						Dens Fluid (lb/gal)								
LEAK OFF				1,916.0						19.20								
Casing Pressure Test																		
Test Type			Test Subtype				Date			Item Tested			Failed?		Time (min)		P (psi)	
CASING			STANDARD				10/7/2017			SURFACE, 1,914.0ftKB			No		30.00		1,000.0	
Kick Offs & Key Depths																		
Date				Type						Top Depth (ftKB)								
Casing Strings																		
Description		Set Depth (ftKB)		Set Depth (TVD) (ftKB)		OD (in)		Grade		Wt/Len (lb/ft)		Top Thread		P LeakOff (psi)				
CONDUCTOR		96.0		96.0		16		H40		42.00								
SURFACE		1,914.0		1,913.9		10 3/4		HCN80		45.50		BTC		1,911.2				
Job Supply Amounts																		
Supply Item Des				Type		Unit Label		Received		Consumed		Cum On Loc		Cum Consumed				
DIESEL				FUEL		GAL		4,269				7,841		7,528.0				
DIESEL				FUEL		GAL				896		6,945		8,424.0				
DIESEL				MUD		GAL		2,885				13,429		10,256.0				
DIESEL				MUD		GAL				2,593		10,836		12,849.0				
Mud Additive Amounts																		
Des		Type		Units		Rec		Consumed		On Loc		Cum Cons						
ENGINEERING FEE 6-24HRS				1 EA		2		2		0.0		14						
ENGINEERING PER DIEM				1 EA		2		2		0.0		14						
ENGINEERING PER MILEAGE				PER MILE		1,496		1,496		0.0		1,496						
OBM TESTING EQUIPMENT				PER DAY		1		1		0.0		6						
OIL DRY				1 EA				9		50.0		9						
TRUCKING				CWT		881		881		0.0		4,616						
Pump Operations																		
Pump #		Make				Model		Liner Size (in)		Stroke (in)		Vol/Stk (bbl/stk)		P Max (psi)				
1		GARDNER-DENVER				HD2250		5 1/2		8.00		0.059		5,000.0				
2		GARDNER-DENVER				HD2250		5 1/2		8.00		0.059		5,000.0				
Pump Checks																		
Pump #		Depth (ftKB)		Time		P (psi)		Strokes (spm)		Q Flow (gpm)			Eff (%)					
Deviation Surveys																		
Date 9/19/2017		Description AS DRILL SURVEY										Job ODR, 9/18/2017 06:00						
Formations																		
Formation Name						Prog Top (TVD SS) Override (ft(elv))		Prog Top MD (ftKB)		Prog Top (TVD) (ftKB)		Final Top MD (ftKB)		Final Top (TVD) (ftKB)				
263_0_SAN ANDRES SHALE						-2,639.0				5,558.0								
265_0_CLEARFORK						-3,591.0				6,510.0								
PBHL/TD =						-3,841.0				6,760.0								
Daily Contacts																		
Job Contact				Title			Office		Mobile			Email						
BRINKLEY, DAVID, AREA DRILLING SUPERVISOR				AREA DRILLING SUPERVISOR			325-884-9030		432-301-2825			DAVID.BRINKLEY@PXD.COM						
WOODS, LEE ROY, FOREMAN				FOREMAN			432-571-2516		432-425-3842			LEEROY.WOODS@PXD.COM						
VILLESCAS, BERNIE, SUPERINTENDENT				SUPERINTENDENT			432-571-2950		432-312-2088			BERNIE.VILLESCAS@PXD.COM						
FELDERHOFF, FLOYD, ENGINEER				ENGINEER			972-969-4569		469-216-8853			FLOYD.FELDERHOFF@PXD.COM						
BIRBECK, IAN, ENGINEER				ENGINEER			972-969-4464		469-585-8176			IAN.BIRBECK@PXD.COM						
VALERIANO, JOSE, FOREMAN				FOREMAN			432-571-2800		432-269-5640			JOSE.VALERIANO@PXD.COM						
BEESON, RICHARD, FOREMAN				FOREMAN					817-320-9780			RICHARD.BEESON@PXD.COM						
RIG-H&P 352, RIG PHONE				RIG PHONE			972-408-3954		972-408-3954									
Personnel Log																		
Company												Count						
PIONEER NATURAL RESOURCES USA INC												2						
HELMERICH & PAYNE INTL DRILLING CO												12						
Daily Drilling Report																		

Page 2/3

Printed: Thursday, October 12, 2017

This image shows a completely blank white page. It is surrounded by a thin, uniform black border that frames the entire area. There are no markings, text, or illustrations on the page.