

DRILLING REPORT

WELL: UL American Basin 14-21 1H										CONTRACTOR: Cactus										RIG: Cactus 139																			
RPT DATE: August 30, 2017										SPUD DATE: 8/7/17					CASING			OD	WT	GRD	MD	TVD																	
API #: 42495338760000										DFS: 23					Conductor			20	94	J-55	80	80																	
										REPORT NO: 24					Surface			13-3/8	55	J-55	1,172	1,171																	
FIELD: Phantom (Wolfcamp)										DOL: 27					Intermediate			10-3/4	46	J-55	4,623	4,616																	
ELEV:										LAST BOP TEST: 8/6/17					Intermediate 2			7-5/8	30	2-110HC	11,046																		
MD: 14,797										TVD: 11,784																													
24 HR FTG:										CSGHD:																													
DRILLING FLUID																		SHOE TEST:																					
TIME	MW	FV	WL	3RPM	6RPM	PH	CAKE	GELS (10s/10m/30m)			PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP																			
18:00	12.9	52.0	6.0	4	5		2	6	9	11	14	6	43,500					2,200	58.50	5.35	250.00																		
												REDUCED PUMP RATES																											
												PUMP		SPM		PRESS		DEPTH																					
												#1		30		770		14,207																					
		#2		30		760		14,207																															
BIT DATA																																							
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN		OUT		FEET		HRS		WOB		RPM		ROP													
9		6.75		HDBS		MMD64DM		12929271		6x16				13,883		14,797								70															
BIT NO.				INNER		OUTER				DULL				LOC				SEAL				GAUGE				OTHER		RP											
HYDRAULICS DATA																																							
PUMP		MAKE		MODEL		LINER		STK		SPM		PSI		GPM		GPS		EFF %		ECD		AV DP		AV DC		BIT HHP		PUMP HHP											
1		HHF		1600		5.000		12.000																															
2		HHF		1600		5.000		12.000																															
BHA																																							
DESCRIPTION:																																							
LENGTH				BHA WT. AIR				BHA WT. MUD				HRS. ON JARS																											
ROT. WT.				P.U. WT.				S.O. WT.				TORQUE																											
TIME MADE UP				19:30				DATE MADE UP				8/26/2017				TIME PULLED				DATE PULLED																			
SURVEY DATA																																							
MD				ANGLE				AZIMUTH				TVD				N/S		COORDINATES				E/W		V. SECTION				DLS											
CONSUMABLES				DIESEL FUEL (gal) Rcvd/Used/On Hand:																		DRILL H2O (gal) Rcvd/Used/On Hand:																	
OPERATIONS TIME LOG																																							
FROM		TO		HRS		CODE																Start MD		End MD															
06:00		08:00		2.0		Trips		TOOH From 6,400' To/479.69' (DP parted - Four stands , A single, 22.57' partial and BHA was left in hole, Total of 570.59') Est top of fish at 13,175')														14797		14797															
08:00		08:30		0.5		Other		Inspect parted DP, Took OD and ID for fish job and laid out														14797		14797															
08:30		10:00		1.5		Cut off Drill Line		While waiting on Fishing hand with tools- Slip and cut drill line 90'														14797		14797															
10:00		10:30		0.5		Lubricate Rig		Service rig- Service blocks with TD , ST-80 and dolly														14797		14797															
10:30		14:30		4.0		Other		Wait on Fishing hand and tools to arrive on location- Weighted active system up to a 13 ppg														14797		14797															
14:30		16:30		2.0		Other		Strap OD and ID of fishing tools, Lay out and pick up tools (Picked up over shot with a 4.5 " grapel , Bumper sub and jar)														14797		14797															
16:30		17:00		0.5		Repair Rig		ST-80 hose feeding ram control box was leaking at fitting (Re tapped threads, changed out fitting and Teflon)														14797		14797															
17:00		17:30		0.5		Dir Work		Lay out and strap 5 Joints of HWDP for push pipe														14797		14797															
17:30		18:00		0.5		Trips		Pick up and make up HWDP to JAR, Made up Energizer and X-overs														14797		14797															
18:00		00:30		6.5		Trips		RIH with fishing tools To/13,175' Tagged fish														14797		14797															
00:30		03:00		2.5		Fishing		Tagged fish at 13,175', Recorded P/U- 245 S/O- 195, Stacked 95 k on fish and worked bumper sub F/200k To/175k, Pulled up to 340K and set jars off, Pulled fish to/13,																															