

# DRILLING REPORT

WELL: UL Urad 1609-21 1H				CONTRACTOR: Cactus				RIG: Cactus 129																		
RPT DATE: June 3, 2017				SPUD DATE: 5/28/17				CASING		OD	WT	GRD	MD	TVD												
API #: 42495338430000				DFS: 6				Conductor		20	94	J-55	110	110												
				REPORT NO: 7				Surface		13-3/8	55	J55	1,105	1,105												
FIELD: Phantom (Wolfcamp)				DOL: 12				Intermediate		10-3/4	46	J-55	5,090	5,065												
ELEV: 2,807		RKB: 31		LAST BOP TEST: 5/29/17																						
MD: 7,520		TVD: 7,495																								
24 HR FTG: 2,299		HRS DRLG: 22		CSGHD: 2,807																						
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						
16:00	9.0	32.0		1	1	11.0	1	1	1	1	1	1	91,000		0.07	0.18			0.50							
												REDUCED PUMP RATES														
												PUMP		SPM		PRESS		DEPTH								
												#1		30		150		7,136								
												#2		30		140		7,136								
BIT DATA																										
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM	ROP						
3		9.88		Smith		PDC MM55DC		12917186		7 x 16				5,221	7,520	2,299	22.0	28	74	105						
BIT NO.				INNER		OUTER		DULL		LOC		SEAL		GAUGE		OTHER		RP								
HYDRAULICS DATA																										
PUMP		MAKE		MODEL		LINER		STK		SPM		PSI		GPM		GPS		EFF %		ECD						
1		Gardner Denver		PXL		5.500		11.000		86		3550		850		.0784		97		9.6						
2		Gardner Denver		PXL		5.500		11.000		86		3550		850		.0784		97		9.6						
BHA																										
DESCRIPTION:				9-7/8" Intermediate 2																						
LENGTH				2,122.64		BHA WT. AIR				176,550				BHA WT. MUD				165,000				HRS. ON JARS				
ROT. WT.				255,000		P.U. WT.				295,000				S.O. WT.				225,000				TORQUE			50,000	
TIME MADE UP				23:00		DATE MADE UP				6/1/2017				TIME PULLED								DATE PULLED				
SURVEY DATA																										
MD		ANGLE				AZIMUTH				TVD				N/S		COORDINATES				E/W		V. SECTION		DLS		
7,074		1.14				314.59				7,050				-218.3		208.2				-266.3		0.1				
7,169		1.04				297.34				7,145				-217.3		206.8				-264.9		0.4				
7,263		1.08				295.84				7,238				-216.5		205.2				-263.7		0.1				
7,358		1.07				286.57				7,333				-215.8		203.6				-262.6		0.2				
CONSUMABLES				DIESEL FUEL (gal) Rvcd/Used/On Hand:								DRILL H2O (gal) Rvcd/Used/On Hand:														
OPERATIONS TIME LOG																										
FROM		TO		HRS		CODE													Start MD		End MD					
06:00		10:00		4.0		Drilling		Drill 9.875" vertical hole - Rotate & Slide 5,221' - 5,719' (498" @ 124 FPH)  Rotate: WOB 28 * PP 3,400 psi * SPM 258 * GPM 850 * Diff 150 - 300 * T.D RPM 60 * MM RPM 74 * Total RPM 134 Slide: WOB 22 * PP 3,300 psi * SPM 258 * GPM 850 * Diff 50 - 100 * MM RPM 74  Rotating Hrs: 3.5 Ftg: 483' Slide Hrs: 0.5 Ftg: 15'											5221		5719					
10:00		11:00		1.0		Lubricate Rig		Service Rig - Swivel packing leaking											5719		5719					
11:00		12:00		1.0		Repair Rig		Change out swivel packing											5719		5719					
12:00		06:00		18.0		Drilling		Drill 9.875" vertical hole - Rotate & Slide 5,719' - 7,520' (1,801" @ 100 FPH)  Rotate: WOB 28 * PP 3,550 psi * SPM 258 * GPM 850 * Diff 150 - 300 * T.D RPM 60 * MM RPM 74 * Total RPM 134 Slide: WOB 22 * PP 3,300 psi * SPM 258 * GPM 850 * Diff 50 - 100 * MM RPM 74  Rotating Hrs: 17.5 Ftg: 1,781' Slide Hrs: 0.5 Ftg: 20'											5719		7520					