

DRILLING REPORT

WELL: UL Urad 1609-21 1H										CONTRACTOR: Cactus										RIG: Cactus 129											
RPT DATE: June 20, 2017										SPUD DATE: 5/28/17					CASING			OD	WT	GRD	MD	TVD									
API #: 42495338430000										DFS: 23					Conductor			20	94	J-55	110	110									
										REPORT NO: 24					Surface			13-3/8	55	J55	1,105	1,105									
FIELD: Phantom (Wolfcamp)										DOL: 29					Intermediate			10-3/4	46	J-55	5,090	5,065									
ELEV: 2,807			RKB: 31			LAST BOP TEST: 6/18/17					Intermediate			7-5/8	30	P110HC	11,695	11,669													
MD: 16,564			TVD: 12,191																												
24 HR FTG: 992			HRS DRLG: 23.5			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											
14:00	13.3	65.0		6	7		2	10	22	21	33	10	65,000					55.00	7.65	2.40											
												REDUCED PUMP RATES																			
												PUMP		SPM		PRESS		DEPTH													
												#1		30		1,000		16,061													
		#2		30		1,020		16,061																							
BIT DATA																															
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM	ROP											
11		6.75		Baker Hughes		TD 405 FX		7161315		1x14, 4x16				15,572	16,564	992	23.5	30,000	232	42											
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		104		5200		342		3.29		97		14.8											
2		Gardner Denver		PXL		5.500		11.000						3.29		97															
BHA																															
DESCRIPTION:				1.50 Deg FBH Lateral Assembly																											
LENGTH				13,708.86				BHA WT. AIR				201,907				BHA WT. MUD				161,834				HRS. ON JARS							
ROT. WT.				225,000				P.U. WT.				280,000				S.O. WT.				160,000				TORQUE				13,000			
TIME MADE UP				15:00				DATE MADE UP				6/18/2017				TIME PULLED								DATE PULLED							
SURVEY DATA																															
MD				ANGLE				AZIMUTH				TVD				N/S		COORDINATES				E/W		V. SECTION				DLS			
16,193				94.13				342.56				12,213				3,770.5		-986.4				3,896.9		1.2							
16,287				93.55				341.72				12,206				3,859.8		-1,015.1				3,990.6		1.1							
16,382				93.58				342.54				12,200				3,950.0		-1,044.2				4,085.3		0.9							
16,476				92.43				342.76				12,195				4,039.6		-1,072.2				4,179.2		1.2							
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		16:00		10.0		Drilling		Drill 6.75" Lateral Section 15,572' - 15,872' (300" @ 30 FPH) Rotate: WOB 30 * PP 4350 psi * SPM 100 * GPM 300 * Diff 600 - 700 * T.D RPM 70 * TORQ 11 - 12K * MM RPM 204 * Total RPM 274 Slide: WOB 41 * PP 4400 psi * SPM 104 * GPM 343 * Diff 225 - 275 * MM RPM 232										15572		15872											
16:00		16:30		0.5		Lubricate Rig		Rig service										15872		15872											
16:30		06:00		13.5		Drilling		Drill 6.75" Lateral Section 15,872' - 16,564' (692" @ 51 FPH) Rotate: WOB 30 * PP 5200 psi * SPM 92 * GPM 302 * Diff 700 - 800 * T.D RPM 60-70 * TORQ 13 -15K * MM RPM 205 * Total RPM 275 Slide: WOB 50 * PP 5200 psi * SPM 104 * GPM 342 * Diff 300 - 400 * MM RPM 232 24 hr Total: Rotate Hrs: 13 Ftg: 805' Slide Hrs: 11 Ftg: 187' (19%)										15872		16564											