



DRILLING REPORT

WELL: UL Urad 1609-21 1H										CONTRACTOR: Cactus										RIG: Cactus 129													
RPT DATE: June 21, 2017										SPUD DATE: 5/28/17				CASING				OD		WT		GRD		MD		TVD							
API #: 42495338430000										DFS: 24				Conductor				20		94		J-55		110		110							
FIELD: Phantom (Wolfcamp)										REPORT NO: 25				Surface				13-3/8		55		J55		1,105		1,105							
ELEV: 2,807										DOL: 30				Intermediate				10-3/4		46		J-55		5,090		5,065							
MD: 17,402										LAST BOP TEST: 6/18/17				Intermediate				7-5/8		30		P110HC		11,695		11,669							
MD: 17,402										TVD: 12,155																							
24 HR FTG: 838										HRS DRLG: 22.5				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															
14:30	13.4	74.0		8	9		2	11	26	28	37	14	54,000			54.00	8.85	1.70															
REDUCED PUMP RATES																																	
PUMP																		SPM		PRESS		DEPTH											
#1																		30		1,260		17,096											
#2																		30		1,260		17,096											
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				16,564		17,402		838		22.5		30,000		212		37							
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	Gardner Denver			PXL		5.500		11.000						3.29		97																	
2	Gardner Denver			PXL		5.500		11.000		95		5200		312		3.29		97		15.0		272		284		22		892					
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. 215,000																		P.U. WT.		280,000		S.O. WT.		150,000		TORQUE		15,000					
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																	
17,041		93.89		344.45		12,154		4,585.3		-1,210.8		4,742.0		4.2																			
17,135		89.47		342.22		12,151		4,675.3		-1,237.8		4,835.9		5.3																			
17,229		87.97		342.92		12,153		4,764.9		-1,265.9		4,929.8		1.8																			
17,322		89.69		344.48		12,155		4,854.2		-1,292.0		5,022.8		2.5																			
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	14:00	8.0	Drilling	Drill 6.75" Lateral Section 16,564' - 17,000' (436" @ 54 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												16564	17000																
14:00	14:30	0.5	Lubricate Rig	Rig service												17000	17000																
14:30	19:00	4.5	Drilling	Drill 6.75" Lateral Section 17,000' - 17,072' (72" @ 16 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												17000	17072																
19:00	19:30	0.5	Trips	5 std Wiper trip up to 16,531' - TIH to 16,907' - W/R 16,907' - 17,072'												17072	17072																
19:30	20:00	0.5	Lubricate Rig	Grease swivel packing												17072	17072																
20:00	06:00	10.0	Drilling	Drill 6.75" Lateral Section 17,072' - 17,402' (330" @ 33 FPH) Rotate: WOB 30 * PP 5200 psi * SPM 95* GPM 312 * Diff 600 - 800 * T.D RPM 70 * TORQ 14 -16K * MM RPM 212 * Total RPM 282 Slide: WOB 50 * PP 5200 psi * SPM 107 * GPM 352 * Diff 100 - 200 * MM RPM 239 24 hr Total: Rotate Hrs: 11 Ftg: 706' Slide Hrs: 11.5 Ftg: 132' (16%)												17072	17402																
TOTAL HRS 24.0																																	
WEATHER																																	
GEN. CONDITIONS: Partly Cloudy WIND SPEED: 8 mph WIND DIRECTION: E TEMP: 78																																	
COMMENTS:																																	
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