

DRILLING REPORT

WELL: UL Urad 1609-21 1H										CONTRACTOR: Cactus										RIG: Cactus 129													
RPT DATE: June 17, 2017										SPUD DATE: 5/28/17										CASING				OD	WT	GRD	MD	TVD					
API #: 42495338430000										DFS: 20										Conductor				20	94	J-55	110	110					
FIELD: Phantom (Wolfcamp)										REPORT NO: 21										Surface				13-3/8	55	J55	1,105	1,105					
ELEV: 2,807										RKB: 31										DOL: 26				Intermediate				10-3/4	46	J-55	5,090	5,065	
MD: 14,566										TVD: 12,287										LAST BOP TEST: 5/29/17				Intermediate				7-5/8	30	P110HC	11,695	11,669	
24 HR FTG: 86										HRS DRLG: 5.5										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	78.0		6	7		2	8	15	19	31	11				55.00	5.52	1.50															
											REDUCED PUMP RATES																						
											PUMP				SPM		PRESS		DEPTH														
											#1				30		860		14,181														
											#2				30		740		14,181														
BIT DATA																																	
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN		OUT		FEET	HRS	WOB		RPM	ROP										
10		6.75		HDBS		MMD64DM		12908851		6x16				14,566																			
9		6.75		HDBS		MMD64DM		12910400		6x14		N		11,480		14,566		86	5.0	30,000		231	17										
BIT NO.	9		INNER		1		OUTER		5	DULL	WT	LOC	N	SEAL	X	GAUGE	I	OTHER	S	RP	PR												
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		92		3700		302		3.29		97													
2		Gardner Denver			PXL			5.500		11.000								3.29		97													
BHA																																	
DESCRIPTION:				1.75 Deg FBH Lateral Assembly																													
LENGTH				13,702.99				BHA WT. AIR				201,907				BHA WT. MUD				161,834				HRS. ON JARS									
ROT. WT.				230,000				P.U. WT.				265,000				S.O. WT.				190,000				TORQUE				12,000					
TIME MADE UP				19:00				DATE MADE UP				6/16/2017				TIME PULLED								DATE PULLED									
SURVEY DATA																																	
MD				ANGLE				AZIMUTH				TVD				N/S				COORDINATES				E/W		V. SECTION				DLS			
14,502				93.51				354.50				12,291				2,163.4				-476.6				2,211.9		8.6							
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	11:30	5.5	Drilling	Drill 6.75" Lateral Section 14,480' - 14,566' (86' @ 16 FPH) Rotate: WOB 25 * PP 5200 psi * SPM 103 * GPM 340 * Diff 500 - 600 * T.D RPM 70 * TORQ 10 -12K * MM RPM 231 * Total RPM 301 Slide: WOB 45 * PP 4600 psi * SPM 103 * GPM 340 * Diff 300 - 400 * MM RPM 231 Total: Rotate Hrs: 1.5 Ftg: 32' Slide Hrs: 4 Ftg: 54'														14480	14566														
11:30	13:00	1.5	Cond Mud & Circ	Pump & Circ 50 bbl Sweep out - clear shakers - flow check (static) - pump slug														14566	14566														
13:00	19:00	6.0	Trips	TOOH to BHA (slick) * Monitor fill-ups on trip tank *														14566	14566														
19:00	21:00	2.0	Trips	Drain motor - C/O motor & MWD - Surface test MWD - M/U bit *6.75" MMD64DM w/ 6 x 16's & 5" MS Eventek, 7/8 Lobe, 5.0 Stg, 0.62 rpg, 1.75 FBH														14566	14566														
21:00	01:30	4.5	Trips	TIH to 11,450'														14566	14566														
01:30	03:00	1.5	Cut off Drill Line	Slip & cut 120' drill line														14566	14566														
03:00	03:30	0.5	Lubricate Rig	Rig Service														14566	14566														
03:30	05:30	2.0	Trips	TIH 11,450' - 14,362'														14566	14566														
05:30	06:00	0.5	Reaming	Break circ - wash in 14,362' - 14,566'														14566	14566														
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