



DRILLING REPORT

WELL: UL Urad 1609-21 1H				CONTRACTOR: Cactus					RIG:		Cactus 129		
RPT DATE: July 1, 2017				SPUD DATE: 5/28/17		CASING		OD	WT	GRD	MD	TVD	
		API #:	42495338430000		DFS: 34		Conductor	20	94	J-55	110	110	
					REPORT NO: 35		Surface	13-3/8	55	J55	1,105	1,105	
FIELD: Phantom (Wolfcamp)				DOL: 40		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:	22,453	TVD:	12,182										
24 HR FTG:		HRS DRLG:		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
18:00	13.8	68.0		8	9		2	11	13	19	35	13	92,000					55.00	8.08	2.00
												REDUCED PUMP RATES								
												PUMP		SPM		PRESS		DEPTH		
												#1		30		1,280		22,453		
												#2		30		1,280		22,453		

BIT DATA																	
NO.	SIZE		MAKE		TYPE		SER NO.	NOZZLES		RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
12	6.75		Baker Hughes		TD 405 FX		7911133	5X18			22,453	22,453			22	238	
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	88	4250	290	.0784	97	14.92	162.7	260.2	7.8	981
2	Gardner Denver	PXL	5.500	11.000		4250	290	.0784	97	14.92	162.7	260.2	7.8	981

BHA																		
DESCRIPTION:		1.75 Deg FBH Lateral Assembly																
LENGTH		13,735.48		BHA WT. AIR		201,907		BHA WT. MUD		161,834		HRS. ON JARS						
ROT. WT.		220,000		P.U. WT.		310,000		S.O. WT.		185,000		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				

CONSUMABLES		DIESEL FUEL (gal) Rcvd/Used/On Hand:						DRILL H2O (gal) Rcvd/Used/On Hand:										
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OPERATIONS TIME LOG						
FROM	TO	HRS	CODE		Start MD	End MD
06:00	21:00	15.0	Reaming	Ream 12,950' - 22,453' (TD) GPM 300 * PP 3,950 * TD RPM 80 * Torq 10 - 12K	22453	22453
21:00	06:00	9.0	Cond Mud & Circ	Perform clean-up cycle for casing run - Pump sweeps as instructed 10 bbl diesel sweep, once sweep cleared bit pumped 30 bbl super sweep 2 x Continue circ to clean hole - Reduce pump rate to 250 gpm & raise mud wt to 14.2 ppg Max gas = 1,218 units	22453	22453