

DRILLING REPORT

WELL:		UL Urad 1609-21 1H			CONTRACTOR:				Cactus			RIG:		Cactus 129		
RPT DATE:		June 5, 2017			SPUD DATE:		5/28/17		CASING		OD	WT	GRD	MD	TVD	
		API #:	42495338430000			DFS:		8		Conductor	20	94	J-55	110	110	
					REPORT NO:		9		Surface	13-3/8	55	J-55	1,105	1,105		
FIELD:		Phantom (Wolfcamp)			DOL:		14		Intermediate	10-3/4	46	J-55	5,090	5,065		
ELEV:		2,807	RKB:	31			LAST BOP TEST:		5/29/17							
MD:		9,370	TVD:	9,344												
24 HR FTG:		770	HRS DRLG:	11			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	8.9	31.0		1	1	10.0	1	1	1	1	51.00		0.04	0.19			0.48	
										REDUCED PUMP RATES								
										PUMP		SPM		PRESS		DEPTH		
										#1		40		100		8,644		
										#2		40		70		8,644		

BIT DATA																								
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB		RPM		ROP		
4		9.88		Smith		PDC MM55DC		12917184		7X16				8,600	9,370	770	11.0	34		70		70		
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	81	3240	266	.0784	97	9.25	286	604	162.9	981
2	Gardner Denver	PXL	5.500	11.000	81	3240	266	.0784	97	9.25	286	604	162.9	981

BHA							
DESCRIPTION:	9-7/8" Intermediate 2						
LENGTH	2,121.73	BHA WT. AIR	176,550	BHA WT. MUD	165,000	HRS. ON JARS	
ROT. WT.	310,000	P.U. WT.	345,000	S.O. WT.	275,000	TORQUE	50,000
TIME MADE UP	14:00	DATE MADE UP	6/4/2017	TIME PULLED		DATE PULLED	

SURVEY DATA								
MD	ANGLE	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
8,867	0.94	181.09	8,842	-230.0	185.9	-271.5	0.6	
8,961	1.19	149.83	8,936	-231.6	186.4	-273.2	0.7	
9,055	1.22	150.11	9,030	-233.3	187.4	-275.1	0.0	
9,149	1.65	140.53	9,124	-235.2	188.7	-277.3	0.5	

CONSUMABLES	DIESEL FUEL (gal) Rcvd/Used/On Hand:	DRILL H2O (gal) Rcvd/Used/On Hand:
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OPERATIONS TIME LOG

[illegible]

TOTAL HRS	24.0						
WEATHER							
GEN. CONDITIONS:	Mostly Cloudy	WIND SPEED:	1	WIND DIRECTION:	N	TEMP:	71
COMMENTS:							