

## DRILLING REPORT

WELL: <a href="#">UL Urad 1609-21 1H</a>				CONTRACTOR: <a href="#">Cactus</a>				RIG: <a href="#">Cactus 129</a>	
RPT DATE: <a href="#">May 31, 2017</a>		API #: <a href="#">42495338430000</a>		SPUD DATE: <a href="#">5/28/17</a>		CASING	OD	WT	GRD
				DFS: <a href="#">3</a>		<a href="#">Conductor</a>	<a href="#">20</a>	<a href="#">94</a>	<a href="#">J-55</a>
				REPORT NO: <a href="#">4</a>		<a href="#">Surface</a>	<a href="#">13-3/8</a>	<a href="#">55</a>	<a href="#">J55</a>
				DOL: <a href="#">9</a>					
FIELD: <a href="#">Phantom (Wolfcamp)</a>				LAST BOP TEST: <a href="#">5/29/17</a>					
ELEV:	<a href="#">2,807</a>	RKB:	<a href="#">31</a>						
MD:	<a href="#">3,985</a>	TVD:	<a href="#">3,961</a>						
24 HR FTG:	<a href="#">2,543</a>	HRS DRLG:	<a href="#">24</a>	CSGHD:	<a href="#">2,807</a>				

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
19:30	10.1	31.0		1	1	9.0		1	1	1	1	1	190,000		0.15	0.36			1.60	
												REDUCED PUMP RATES								
												PUMP		SPM		PRESS		DEPTH		
												#1		60		280		3,318		
												#2		60		290		3,318		

BIT DATA																							
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM		RQP		
2		12.25		Smith		PDC XS616S		JM8547		6x20				1,120	1,442	2,543	27.0	30	.13		94		
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	102		336	.0784	95	10.14	167.9	232.5	142.5	981
2	Gardner Denver	PXL	5.500	11.000	102		336	.0784	95	10.14	167.9	232.5	142.5	981

BHA							
DESCRIPTION:	12 1/4						
LENGTH	2,085.22	BHA WT. AIR	98,000	BHA WT. MUD	92,000	HRS. ON JARS	
ROT. WT.	190,000	P.U. WT.	210,000	S.O. WT.	180,000	TORQUE	50,000
TIME MADE UP	23:00	DATE MADE UP	5/29/2017	TIME PULLED		DATE PULLED	

SURVEY DATA								
MD	ANGLE	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
3,449	5.65	147.26	3,427	-206.4	196.3		-251.6	1.3
3,545	5.39	146.59	3,522	-214.1	201.4		-260.4	0.3
3,641	4.91	146.65	3,618	-221.3	206.1		-268.6	0.5
3,736	3.45	151.73	3,712	-227.2	209.7		-275.3	1.6

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

<b>FROM</b>	<b>TO</b>	<b>HRS</b>	<b>CODE</b>		<b>Start MD</b>	<b>End MD</b>
06:00	06:00	24.0	Drilling	Drill f/ '1442' to 3985', = 2543' @ 106 fph 80% rotating 2006', Pump Pressure - 4350 to 4580, Diff - 550 to 650, GPM - 980, WOB - 30 to 40, Torque - 14k to 17k, Top Drive RPM - 80 20% sliding 537', Pump Pressure - 4200, Diff - 400, WOB 15k	1442	3985
<b>TOTAL HRS</b>		<b>24.0</b>				

TOTAL FMS		240								
WEATHER										
GEN. CONDITIONS:		Clear	WIND SPEED:		10	WIND DIRECTION:		SE	TEMP:	71
COMMENTS:										