

DRILLING REPORT

WELL: UL Urad 1609-21 1H				CONTRACTOR: Cactus					RIG: Cactus 129		
RPT DATE: June 13, 2017				SPUD DATE: 5/28/17		CASING	OD	WT	GRD	MD	TVD
		API #:	42495338430000	DFS: 16		Conductor	20	94	J-55	110	110
				REPORT NO: 17		Surface	13-3/8	55	J55	1,105	1,105
FIELD: Phantom (Wolfcamp)				DOL: 22		Intermediate	10-3/4	46	J-55	5,090	5,065
ELEV:	2,807	RKB:	31	LAST BOP TEST: 5/29/17		Intermediate	7-5/8	30	P-110HC	11,695	11,669
MD:	11,720	TVD:	11,694								
24 HR FTG:	10	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	13.0	113.0		7	8		2	8	14	21	31	12	41,000					55.00	9.54	1.00

	REDUCED PUMP RATES			
	PUMP	SPM	PRESS	DEPTH
	#1			
	#2			

BIT DATA																							
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM		ROP		
8		6.75		Ultrerra		U611S		35681		6x14													
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				3.29	97					

BHA						
DESCRIPTION:	2 Deg FBH Curve Assembly					
LENGTH	2,373.76	BHA WT. AIR	82,306	BHA WT. MUD	65,970	HRS. ON JARS
ROT. WT.		P.U. WT.		S.O. WT.		TORQUE
TIME MADE UP	02:00	DATE MADE UP	6/13/2017	TIME PULLED		DATE PULLED

[illegible]

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	08:30	2.5	Other	Install & test pack-off 5,000 psi - Set wear bushing	11710	11710
08:30	10:30	2.0	Cut off Drill Line	Slip & cut drill line - Calibrate block height	11710	11710
10:30	13:00	2.5	Other	Change Top Drive saver sub & dress rig floor with 4.5" handling tools	11710	11710
13:00	15:00	2.0	Trips	M/U bit & bit sub - TIH to 5,256' (DV Tool)	11710	11710
15:00	16:00	1.0	Reaming	Test Dv tool to 1,500 psi (OK) - Drill DV tool 5,256' - 5,259'	11710	11710
16:00	18:00	2.0	Trips	Continue TIH 5,259' - 11,506'	11710	11710
18:00	19:00	1.0	Other	Fill pipe & B/C - Test casing to 1,500 psi for 30 minutes	11710	11710
19:00	21:00	2.0	Other	Wash 11,506' - 11,607' (Flt collar) - Drill shoe track, rathole & 10' new hole to 11,720'	11710	11720
21:00	21:30	0.5	Cond Mud & Circ	Circ 15 minutes - Perform FIT to 14 ppg EMW = 13.0 ppg mud + 608 psi @ 11,694' TVD = 14 ppg EMW	11720	11720
21:30	02:00	4.5	Trips	Plug slug & TOOH for curve assembly - Break bit - L/D bit & bit sub * Monitor fill-ups on trip tank	11720	11720
02:00	03:30	1.5	Trips	M/U directional tools for curve, scribe & orient MM, Load & surface test MWD (ok) - M/U bit *6.75" Ulterra U611S w/ 6 x 14's & 4.75" SD * 6/7 Lobe * 8.0 Stg * w/ 2.0 FBH & 4.15' BTB * RPG 0.79	11720	11720
03:30	06:00	2.5	Trips	TIH w/ Curve assembly @ 5,957"	11720	11720
TOTAL HRS		24.0				

WEATHER							
GEN. CONDITIONS:	Clear	WIND SPEED:	13 mph	WIND DIRECTION:	SE	TEMP:	74