



DRILLING REPORT

WELL: UL Urad 1609-21 1H		CONTRACTOR: Cactus				RIG: Cactus 129																							
RPT DATE: June 25, 2017		SPUD DATE: 5/28/17		CASING		OD	WT	GRD	MD	TVD																			
API #: 42495338430000		DFS: 28		Conductor		20	94	J-55	110	110																			
FIELD: Phantom (Wolfcamp)		REPORT NO: 29		Surface		13-3/8	55	J-55	1,105	1,105																			
ELEV: 2,807		DOL: 34		Intermediate		10-3/4	46	J-55	5,090	5,065																			
RKB: 31		LAST BOP TEST: 6/18/17		Intermediate		7-5/8	30	P110HC	11,695	11,669																			
MD: 19,003		TVD: 12,164																											
24 HR FTG: 244		HRS DRLG: 6		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											
14:30	13.5	66.0		5	6		2	6	16	24	29	11	78,000			55.00	8.92	2.00											
										REDUCED PUMP RATES																			
										PUMP		SPM		PRESS		DEPTH													
										#1		30		780		18,750													
										#2		30		780		18,750													
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			18,759	19,003	244	6.0	30	246	41											
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	4900	290	.0768	95	14.89	272.1	185.3	8.9	981												
2	Gardner Denver		PXL		5.500		11,000	88	4900	290	.0768	95	14.89	272.1	185.3	8.9	981												
BHA																													
DESCRIPTION:		1.5 Deg FBH Lateral Assembly																											
LENGTH		13,708.86		BHA WT. AIR		201,907		BHA WT. MUD		161,834		HRS. ON JARS																	
ROT. WT.		225,000		P.U. WT.		295,000		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													
18,762		89.35		343.49		12,169		6,223.4		-1,728.8		6,459.0		3.0															
18,856		91.42		345.28		12,168		6,313.9		-1,754.1		6,553.0		2.9															
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	07:30	1.5	Trips	Continue TIH w/ BHA #11 & 6 3/4" Baker 405 S/N 7911133 jetted with 5 - 18's. TIH fr/ 799 - to / 13165'. Fill Pipe on way in hole.										18758	18758														
07:30	08:00	0.5	Cond Mud & Circ	Established Pre/Post agitator pressures, Pre / Post 1575 / 2115 psi - 2283/2885'.										18758	18758														
08:00	14:30	6.5	Cond Mud & Circ	Circulate BU through gas buster.										18758	18758														
14:30	15:00	0.5	Lubricate Rig	Rig Service - Grease Wash Pipe										18758	18758														
15:00	16:30	1.5	Trips	TOOH to 15515'										18758	18758														
16:30	18:00	1.5	Cond Mud & Circ	Circulate BU through gas buster.										18758	18758														
18:00	18:30	0.5	Other	Pull trip nipple, install rotating head.										18758	18758														
18:30	21:00	2.5	Trips	Hit bridge at 17566' while TIH. Set 150 K down attempting to push through. Wash & ream to 17,592'. Continue TIH wash & ream 18,355' - 18,365', TIH to 18,700' wash & ream to bottom 18,758'. No flare while circulating										18758	18758														
21:00	22:00	1.0	Drilling	Slide 6.75" Lateral Section 18,758' - 18,771' (13' @ 13 FPH) Slide: WOB 30 * PP 4550 psi * SPM 88 * GPM 290 * Diff 300 * MM RPM 246 Slide Hrs: 1 Ftg: 13' (100%)										18758	18771														
22:00	01:00	3.0	Cond Mud & Circ	Shut in well due to excessive bottoms up gas, SICP 400 psi SIDPP 196 psi Circ gas bubble at surface out using 1st circulation of drillers method. With gas bubble removed SICP 0 psi Continued Circ complete btms up mud cut 0.3 ppg. SICP 0 psi open well up										18771	18771														
01:00	06:00	5.0	Drilling	Drill 6.75" Lateral Section 18,771' - 19,003' (232' @ 46.4 FPH) Rotate: WOB 30 * PP 4900 psi * SPM 88 * GPM 290 * Diff 600 * T.D RPM 70 * TORQ 15 - 18K * MM RPM 246 * Total RPM 316 Slide: WOB 30 * PP 4550 psi * SPM 88 * GPM 290 * Diff 300 * MM RPM 246 Rotate Hrs: 3.17 Ftg: 205' Slide Hrs: 2.33 Ftg: 40' (17%)										18771	19003														
TOTAL HRS		24.0																											
WEATHER																													
GEN. CONDITIONS:		Partly Cloudy		WIND SPEED:		17		WIND DIRECTION:		ESE		TEMP:		76															
COMMENTS:																													
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