



WELL: UL Urad 1609-21 1H										CONTRACTOR: Cactus										RIG: Cactus 129											
RPT DATE: June 27, 2017										SPUD DATE: 5/28/17					CASING			OD	WT	GRD	MD	TVD									
API #: 42495338430000										DFS: 30					Conductor			20	94	J-55	110	110									
FIELD: Phantom (Wolfcamp)										REPORT NO: 31					Surface			13-3/8	55	J55	1,105	1,105									
ELEV: 2,807										DOL: 36					Intermediate			10-3/4	46	J-55	5,090	5,065									
MD: 20,830										LAST BOP TEST: 6/18/17					Intermediate			7-5/8	30	P110HC	11,695	11,669									
TVD: 12,143																															
24 HR FTG: 800										HRS DRLG: 23					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											
15:00	13.7	65.0		6	7		2	10	20	27	34	12	56,000					54.00	8.11	2.00											
												REDUCED PUMP RATES																			
												PUMP		SPM		PRESS		DEPTH													
												#1		30		1,350		20,787													
												#2		30		1,350		20,787													
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				20,030	20,830	800	23.0	30	246	35											
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		5000		284		.0768		95		14.99		272.1		191.3		9		981			
2		Gardner Denver		PXL		5.500		11.000				5000		284		.0768		95		14.99		272.1		191.3		9		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.				295,000				S.O. WT.				195,000				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			
20,455				87.23				343.63				12,140				7,857.6		-2,165.7				8,150.6		1.3							
20,550				87.56				342.46				12,145				7,948.4		-2,193.4				8,245.4		1.3							
20,644				89.82				343.07				12,147				8,038.1		-2,221.2				8,339.4		2.5							
20,738				91.36				344.19				12,146				8,128.3		-2,247.7				8,433.3		2.0							
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		14:00		8.0		Drilling		Drilled Lateral 20,030 - 20,319' (289 fph) Rotate: WOB 24 * PP 5000 psi * SPM 86* GPM 284 * Diff 700 * T.D RPM 70 * TORQ 14-15K * MM RPM 242 * Total RPM 312 Slide: WOB 38 * PP 4900 psi * SPM 91 * GPM 299 * Diff 110 * MM RPM 254 Rotate Hrs: 6 Ftg: 264' Slide Hrs: 2 Ftg: 25' (9%)										20027		20319											
14:00		14:30		0.5		Lubricate Rig		Rig Service										20319		20319											
14:30		03:30		13.0		Drilling		Drilled Lateral 20,319' - 20,787' (468 fph) Rotate: WOB 24 * PP 5000 psi * SPM 86* GPM 284 * Diff 700 * T.D RPM 70 * TORQ 14-15K * MM RPM 242 * Total RPM 312 Slide: WOB 38 * PP 4900 psi * SPM 91 * GPM 299 * Diff 110 * MM RPM 254 Rotate Hrs: 8 Ftg: 436' Slide Hrs: 4 Ftg: 32' (7%)										20319		20787											
03:30		04:00		0.5		Lubricate Rig		Rig Service										20787		20787											
04:00		06:00		2.0		Drilling		Drilled Lateral 20,787' - 20,830' (43 fph) Rotate: WOB 24 * PP 5000 psi * SPM 86* GPM 284 * Diff 700 * T.D RPM 70 * TORQ 14-15K * MM RPM 242 * Total RPM 312 Slide: WOB 38 * PP 4900 psi * SPM 91 * GPM 299 * Diff 110 * MM RPM 254 Rotate Hrs: 0.45 Ftg: 23' Slide Hrs: 1.83 Ftg: 20' (53%)										20787		20830											