



WELL: UL Urad 1609-21 1H										CONTRACTOR: Cactus										RIG: Cactus 129												
RPT DATE: June 1, 2017										SPUD DATE: 5/28/17										CASING				OD	WT	GRD	MD	TVD				
API #: 42495338430000										DFS: 4										Conductor				20	94	J-55	110	110				
										REPORT NO: 5										Surface				13-3/8	55	J55	1,105	1,105				
FIELD: Phantom (Wolfcamp)										DOL: 10																						
ELEV: 2,807				RKB:			31			LAST BOP TEST: 5/29/17																						
MD: 5,105				TVD: 5,081																												
24 HR FTG: 1,120				HRS DRLG: 12.5			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	HTHF														
16:00	10.3	32.0		1	1	10.5		1	1	1	1	1	181,000	0.05	0.06			2.04														
												REDUCED PUMP RATES																				
												PUMP				SPM				PRESS				DEPTH								
												#1				60				300				4,457								
												#2				60				300				4,457								
BIT DATA																																
NO.		SIZE			MAKE			TYPE			SER NO.			NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM	ROP								
2		12.25			Smith			PDC XS616S			JM8547			6x20				3,985	5,105	1,120	12.5	30	128	90								
BIT NO.		2		INNER		1		OUTER		2		DULL		CT	LOC	A	SEAL	N/A	GAUGE	IG	OTHER	WT	RP	TD								
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	100	4350	329	.0784	97	10.38	180.9	238.9	157.6	981												
2	Gardner Denver				PXL				5.500	11.000	100	4350	329	.0784	97	10.38	180.9	238.9	157.6	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.			215,000				P.U. WT.				220,000				S.O. WT.				200,000				TORQUE				50,000					
TIME MADE UP			23:00				DATE MADE UP				5/29/2017				TIME PULLED				22:30				DATE PULLED				5/31/2017					
SURVEY DATA																																
MD				ANGLE				AZIMUTH				TVD				N/S				COORDINATES				E/W	V. SECTION				DLS			
4,778				0.33				152.50				4,754				-243.6				233.8				-297.5				2.5				
4,872				0.62				243.07				4,848				-244.1				233.5				-297.8				0.8				
4,966				0.47				235.73				4,942				-244.5				232.7				-298.1				0.2				
5,046				0.43				231.21				5,022				-244.9				232.2				-298.3				0.1				
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		18:00		12.0		Drilling		Drill 12.25" vertical hole - Rotate & Slide 3,985' - 5,050' (1,065' @ 89 FPH)  Rotate: WOB 28 * PP 4,350 psi * SPM 300 * GPM 988 * Diff 500- 650 * T.D RPM 80 * MM RPM 128 * Total RPM 208 Slide: WOB 22 * PP 4,050 psi * SPM 300 * GPM 988 * Diff 200 - 300 * MM RPM 128  Rotating Hrs: 9.75 Ftg: 925' Slide Hrs: 2.25 Ftg: 140'												3985		5050										
18:00		19:00		1.0		Lubricate Rig		Service rig & weld up leak on standpipe												5050		5050										
19:00		19:30		0.5		Drilling		Drill 12.25" vertical hole 5,050' - 5,105' (55' @ 110 FPH) *Intermediate 1 casing point  Rotate: WOB 28 * PP 4,350 psi * SPM 300 * GPM 988 * Diff 500- 650 * T.D RPM 80 * MM RPM 128 * Total RPM 208												5050		5105										
19:30		22:30		3.0		Cond Mud & Circ		Circ & clean hole prior to trip - Pump 50 bbl Super sweep & circ hole clean *Flow check well & pump slug *Called TRRC & spoke with Lewisha, operator #18, about upcoming Int. 1 casing cement job												5105		5105										
22:30		02:00		3.5		Trips		TOOH to run 10.75" Intermediate 1 casing - Monitor fill-ups on trip tank *Break bit - L/D Mtr & monel												5105		5105										
02:00		03:00		1.0		Other		Pull wear bushing & clean rig floor												5105		5105										
03:00		04:00		1.0		Run Csg & Cement		PJSM - R/U Frank's casing crew												5105		5105										
04:00		04:30		0.5		Run Csg & Cement		PJSM - M/U shoe track (1 jt shoe track) & check Flts - OK												5105		5105										
04:30		06:00		1.5		Run Csg & Cement		Run 10-3/4" * 45.5# * J-55 * BTC casing to 1,344'												5105		5105										