



# DRILLING REPORT

WELL:	UL Guanella 05-17 1H				CONTRACTOR:					Cactus			RIG:	Cactus 139			
RPT DATE:	June 23, 2017				SPUD DATE:			5/27/17		CASING		OD	WT	GRD	MD	TVD	
		API #:	42475372150000		DFS:			27		Conductor		20	94	J-55	80		
					REPORT NO:			28		Surface		13-3/8	55	J-55	1,220		
FIELD:	Phantom (Wolfcamp)				DOL:			32		Intermediate		10-3/4	46	J-55	5,000		
ELEV:			RKB:			LAST BOP TEST:			6/14/17		Intermediate 2		7-5/8	30	HC-P110	10,809	10,797
MD:	15,358		TVD:	11,360													
24 HR FTG:	775		HRS DRLG:	19		CSGHD:											

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
18:30	12.9	72.0	5.0	4	5		1	10	16	17	33	9	30,000				18,000	55.00	9.99	250.00
												REDUCED PUMP RATES								
												PUMP		SPM		PRESS		DEPTH		
												#1		30		654		14,954		
												#2		30		610		14,954		

BIT DATA																	
NO.	SIZE		MAKE		TYPE		SER NO.	NOZZLES		RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
12	6.75		Baker		TD405FX		7163442	5x18			14,583	15,358	775	19.0	26	70	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	HHF	1600	5.000	12.000	53	4950	150	2.90	95	13.93	290	357	21.2	1600				
2	HHF	1600	5.000	12.000	53	4950	150	2.90	95	13.93	290	357	21.2	1600				

BHA							
DESCRIPTION:	6.75" Lateral assembly, BHA #10, Run #2						
LENGTH	7,101.12	BHA WT. AIR	160,644	BHA WT. MUD	129,940	HRS. ON JARS	
ROT. WT.	198	P.U. WT.	270	S.O. WT.	150	TORQUE	16,000
TIME MADE UP	00:30	DATE MADE UP	6/22/2017	TIME PULLED		DATE PULLED	

SURVEY DATA									
MD	ANGLE	AZIMUTH	TVD	N/S	COORDINATES		E/W	V. SECTION	DLS
14,998	92.25	345.46	11,365		3,467.3	-1,018.7		3,613.8	1.1
15,091	89.20	346.17	11,364		3,557.4	-1,041.5		3,706.8	3.4
15,184	91.17	347.20	11,363		3,647.9	-1,062.9		3,799.6	2.4
15,277	92.00	347.91	11,361		3,738.7	-1,083.0		3,892.4	1.2

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	09:30	3.5	Trips	Cont to TIH from 6,650' to 14,488'	14583	14583
09:30	10:00	0.5	Reaming	Wash / Ream from 14,488' to TD @ 14,583'. No fill	14583	14583
10:00	16:30	6.5	Drilling	Cont to drill Lateral section from 14,583' to 14,924	14583	14924
16:30	17:30	1.0	Cond Mud & Circ	While drilling @ 14,924' H2S alarms sounded. All non essential personnel gathered at proper Muster station. Readings at H2S monitors were at 0 ppm gas. Circulated bottoms up while non essential personnel remained at Muster point.	14924	14924
17:30	06:00	12.5	Drilling	Cont to drill Lateral section from 14,924' T/15,358' ( 434' at 34.7' FPH ) Rotate = WOB 26" GPM 300 * SPP 4,950 * Diff 650/700 psi * SPM 106 * TD RPM 70, Mtr RPM 189 * Total RPM 259 * Torq 15.8K Sliding = WOB 50 - 60 * GPM 300 * SPP 4320 * Diff 100-250 psi * SPM 106	14924	15358