



DRILLING REPORT

WELL: UL Guanella 05-17 1H		CONTRACTOR: Cactus				RIG: Cactus 139													
RPT DATE: June 9, 2017		SPUD DATE: 5/27/17		CASING	OD	WT	GRD	MD	TVD										
API #: 42475372150000		DFS: 13		Conductor	20	94	J-55	80											
		REPORT NO: 14		Surface	13-3/8	55	J-55	1,220											
FIELD: Phantom (Wolfcamp)		DOL: 18		Intermediate	10-3/4	46	J-55	5,000											
ELEV: MD: 8,788		RKB: TVD: 8,778		LAST BOP TEST: 5/25/17															
24 HR FTG: 418		HRS DRLG: 10.5		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	
18:00	9.0	29.0	100.0	1	1	10.0	1	1	1	1	45,500		0.30	0.60			3.75		
REDUCED PUMP RATES																			
PUMP				SPM				PRESS				DEPTH							
#1				30				210				8,560							
#2				30				210				8,560							
BIT DATA																			
NO.	SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM	ROP
5	9.88		Ulterra		U513S		35098		7x12				8,370	8,788	418	10.5	30	61	40
4	9.88		Baker		T505FX		7911263		7x12		N		6,870	7,832	962	19.0	28	80	51
BIT NO.	5	INNER		2	OUTER		4	DULL	CT	LOC	S	SEAL	X	GAUGE	IG	OTHER	BT	RP	ROP
HYDRAULICS DATA																			
PUMP	MAKE		MODEL		LINER		STK	SPM	PSI	GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMP HHP		
1	HHF		1600		6.000		12.000	84	3280	352	4.1847	95	9.05	233.2	396.6	280.3	1600		
2	HHF		1600		6.000		12.000	84	3280	352	4.1847	95	9.05	233.2	396.6	280.3	1600		
BHA																			
DESCRIPTION:		9.875" 2nd Intermediate Section, Run #2																	
LENGTH		2,115.71		BHA WT. AIR		104,204		BHA WT. MUD		90,023		HRS. ON JARS							
ROT. WT.		255,000		P.U. WT.		300,000		S.O. WT.		215,000		TORQUE		15,000					
TIME MADE UP		11:30		DATE MADE UP		6/7/2017		TIME PULLED		23:00		DATE PULLED		6/8/2017					
SURVEY DATA																			
MD		ANGLE		AZIMUTH		TVD		N/S		COORDINATES		E/W		V. SECTION		DLS			
8,404		0.94		64.03		8,394		-150.8		75.5		-165.9		0.3					
8,499		1.12		64.93		8,489		-150.0		77.1		-165.6		0.2					
8,593		0.25		299.58		8,583		-149.6		77.7		-165.3		1.4					
8,688		0.47		288.10		8,678		-149.3		77.2		-165.0		0.2					
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	13:00	7.0	Drilling	Drill 9.875" Vertical hole 8,370' - 8,653' (283' @ 40.42 FPH) Rotate Ftg = 263' * Slide Ftg = 20' * Slide Hrs = 0.92 Drilling Parameters: Rotate = WOB 32 * GPM 703 * SPP 3,280 * Diff 100 - 180 psi * SPM 168 * TD RPM 50 Mtr RPM 61 * Total RPM 111 * Torq 16K Sliding = WOB 13 * GPM 703 * SPP 3,190 * Diff 50 - 100 psi * SPM 168												8370	8653		
13:00	13:30	0.5	Repair Rig	C/O Swabs on #1 & #2 mud pumps												8653	8653		
13:30	17:00	3.5	Drilling	Drill 9.875" Vertical hole 8,653' - 8,788' (135' @ 38.57 FPH) Rotate Ftg = 135' Drilling Parameters: Rotate = WOB 32 * GPM 703 * SPP 3,280 * Diff 100 - 180 psi * SPM 168 * TD RPM 50 Mtr RPM 61 * Total RPM 111 * Torq 16K												8653	8788		
17:00	18:00	1.0	Cond Mud & Circ	Pump sweep, Circ. B/U, 20% Chert in cuttings sample												8788	8788		
18:00	23:00	5.0	Trips	Flow check, pump slug, TOOHP for low ROP to BHA												8788	8788		
23:00	02:00	3.0	Dir Work	C/O Mud motor & Bit, surface test MWD												8788	8788		
02:00	02:30	0.5	Lubricate Rig	Rig Service												8788	8788		
02:30	06:00	3.5	Trips	TIH filling every 30 stands												8788	8788		
TOTAL HRS 24.0																			
WEATHER																			
GEN. CONDITIONS:		Partly Cloudy		WIND SPEED:		14 MPH		WIND DIRECTION:		NNE		TEMP:		75					
COMMENTS:		Forecast: Partly Cloudy skies, High ~104 F, Winds S @ 10-20 MPH																	
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