

## DRILLING REPORT

WELL: UL American Basin 14-21 1H				CONTRACTOR: Cactus					RIG:		Cactus 139	
RPT DATE: August 24, 2017				SPUD DATE: 8/7/17		CASING		OD	WT	GRD	MD	TVD
		API #:	42495338760000		DFS: 17		Conductor	20	94	J-55	80	80
				REPORT NO: 18		Surface		13-3/8	55	J-55	1,172	1,171
FIELD:		Phantom (Wolfcamp)		DOL: 21		Intermediate		10-3/4	46	J-55	4,623	4,616
ELEV:		RKB:		LAST BOP TEST: 8/6/17		Intermediate 2		7-5/8	30	2-110HC	11,046	
MD:		12,045		TVD:								
24 HR FTG:		80		HRS DRLG:		23		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	12.5	53.0	1.0	5	6		2	6	11	15	18	7	45,000					1,600	57.00	4.76	250.00
												REDUCED PUMP RATES									
												PUMP		SPM		PRESS		DEPTH			
												#1		30		745		11,647			
												#2		30		730		11,647			

BIT DATA																				
NO.		SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN		IN	OUT	FEET	HRS	WOB	RPM	ROP
7		6.75		Ulterra		U611S		36180		7x16				11,965	12,157	192	5.0	24	30	38
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	35	2170	200	2.90	95	13.48	130	148	19.1	1600
2	HHF	1600	5.000	12.000	35	2170	200	2.90	95	13.48	130	148	19.1	1600

BHA						
DESCRIPTION:	6.75 Curve BHA run #1					
LENGTH	1,647.31	BHA WT. AIR	70.000	BHA WT. MUD	68,248	HRS. ON JARS
ROT. WT.	220	P.U. WT.	260	S.O. WT.	190	TORQUE
TIME MADE UP	22:30	DATE MADE UP	8/20/2017	TIME PULLED		DATE PULLED

SURVEY DATA								
MD	ANGLE	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
11,966	74.78	339.92	11,734	345.4	4.2		332.1	11.6
12,013	80.18	337.27	11,744	388.1	-12.5		377.7	12.7
12,059	88.52	336.53	11,749	430.1	-30.5		423.0	18.2
12,106	98.26	338.42	11,746	473.4	-48.4		469.5	21.1

CONSUMABLES	DIESEL FUEL (gal) Rcvd/Used/On Hand:	DRILL H2O (gal) Rcvd/Used/On Hand:
-------------	--------------------------------------	------------------------------------

### OPERATIONS TIME LOG

[illegible]

TOTAL HRS	24.0						
WEATHER							
GEN. CONDITIONS:	Mostly Clear	WIND SPEED:	6 MPH	WIND DIRECTION:	E	TEMP:	73
COMMENTS:	81% Humidity						