DRILLING REPORT

WELL:	UL Fremont 38-17 1H			**CONTRACTOR:**	Cactus				**RIG:**	Cactus 137	
RPT DATE:	June 20, 2017			**SPUD DATE:**	5/24/17	**CASING**	**OD**	**WT**	**GRD**	**MD**	**TVD**
		API #:	42475372300000	**DFS:**	27	Conductor	20			106	106
				REPORT NO:	28	Surface	13-3/8	55	J-55	1,030	1,029
FIELD:	Phantom (Wolfcamp)			**DOL:**	32	Intermediate	10-3/4	46	J-55	4,959	4,927
ELEV:		**RKB:**		**LAST BOP TEST:**	6/15/17	Intermediate	7-5/8	30	P-110HC	11,198	11,165
MD:	11,987	**TVD:**	11,504								
24 HR FTG:	807	**HRS DRLG:**	20	**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
16:00	12.4	72.0	6.0	6	7			10	15	217	25	11	40,000				7,200	57.50	5.56	250.00

REDUCED PUMP RATES

PUMP	SPM	PRESS	DEPTH
#1			
#2			

BIT DATA

NO.	SIZE	MAKE	TYPE	SER NO.	NOZZLES	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
11	6.75	Ulterra	U611S	33678	6-14		11,180	11,987	807	20.0	16		40

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	Hong Hua	HHF 1600	5.000	12.000										
2	Hong Hua	HHF 1600	5.000	12.000	94	4300	274	2.906	95					

BHA

DESCRIPTION:	Drill curve						
LENGTH	11,987.00	BHA WT. AIR		BHA WT. MUD		HRS. ON JARS	
ROT. WT.		P.U. WT.		S.O. WT.		TORQUE	18,000
TIME MADE UP	23:30	DATE MADE UP	6/17/2017	TIME PULLED		DATE PULLED	

SURVEY DATA

MD	ANGLE	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
11,783	77.80	252.50	11,493	-423.5	-230.1		364.1	6.8
11,830	83.90	251.50	11,500	-437.8	-274.2		410.5	13.2
11,877	88.70	251.60	11,503	-452.6	-318.7		457.3	10.2
11,924	90.00	252.00	11,504	-467.3	-363.4		504.3	2.9

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

OPERATIONS TIME LOG

FROM	TO	HRS	CODE		Start MD	End MD
06:00	00:30	18.5	Drilling	Drilling curve F/11,180' T/11,892'	11180	11892
00:30	01:30	1.0	Repair Rig	While back reaming stand, driller worked out torque from drill sting. Was asked to pick up further, forgot to float bails in. Hit storm bar, resulting in broke link tilt cylinder on drillers side of topdrive. RM went up inspected board not structural damaged noted. Replaced link tilt cylinder resumed operations.	11892	11892
01:30	03:00	1.5	Drilling	Drill curve from 11,892' to 11,987' 35 RPM, 94 SPM, 4300 psi, 660 diff, 25k wob. 9500 ft.lbs trq	11892	11987
03:00	04:00	1.0	Cond Mud & Circ	Circulate bottoms up, flow check, no flow. Pump dry job.	11987	11987
04:00	05:00	1.0	Trips	Wiper trip from 11,987' to 11,850' then back to bottom	11987	11987
05:00	06:00	1.0	Cond Mud & Circ	Circulate bottoms up, flow check, no flow. Pump dry job.	11987	11987
TOTAL HRS		**24.0**				

WEATHER

GEN. CONDITIONS:	Some Clouds	**WIND SPEED:**	10-15 MPH	**WIND DIRECTION:**	E	**TEMP:**	79
COMMENTS:	99? fore cast						