

DRILLING REPORT

WELL: UL Fremont 38-17 1H				CONTRACTOR: Cactus				RIG:		Cactus 137	
RPT DATE: June 9, 2017				SPUD DATE: 5/24/17		CASING		OD	WT	GRD	TVD
		API #:	42475372300000	DFS: 16		Conductor		20		106	106
				REPORT NO: 17		Surface		13-3/8	55	J-55	1,030
FIELD: Phantom (Wolfcamp)				DOL: 21		Intermediate		10-3/4	46	J-55	4,959
ELEV: 11,553		RKB: 11,518		LAST BOP TEST: 5/23/17		Intermediate		7-5/8	30	2-110HC	11,165
MD: 11,553		TVD: 11,518									
24 HR FTG: 353		HRS DRLG: 6		CSGHD: 6							

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	13.5	69.0		4	5			10	14	16	21	6	35,000				20,000	60.20	7.71	250.00

REDUCED PUMP RATES			
PUMP	SPM	PRESS	DEPTH
#1	70	820	
#2	70	700	

BIT DATA

NO.	SIZE	MAKE	TYPE	SER NO.	NOZZLES	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP			
9	6.75	Security	MM64D	12374659	6-14		11,200	11,553	353	6.0	25	120	59			
BIT NO.		INNER		OUTER		DULL		LOC		SEAL		GAUGE		OTHER		RP

HYDRAULICS DATA

[illegible]

BHA

DESCRIPTION:	Pilot Hole						
LENGTH	11,553.00	BHA WT. AIR		BHA WT. MUD		HRS. ON JARS	
ROT. WT.		P.U. WT.		S.O. WT.		TORQUE	18,000
TIME MADE UP	09:00	DATE MADE UP	6/8/2017	TIME PULLED		DATE PULLED	

SURVEY DATA

MD	ANGLE	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
11,147	1.10	260.80	11,113	-275.4	274.4		-160.3	0.8
11,239	1.50	257.30	11,205	-275.8	272.4		-158.2	0.4
11,333	1.80	263.20	11,299	-276.3	269.7		-155.6	0.4
11,426	1.30	284.10	11,392	-276.2	267.2		-153.3	0.8

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	08:00	2.0	Other	Swap out Swivel packing, clean pits, change top drive to 4.5 drill pipe	11200	11200
08:00	13:00	5.0	Trips	Make up motor, monel, UBHO, scribe, orient, test same, Make up MM64 PDC, TIH to 5194'	11200	11200
13:00	14:00	1.0	Other	Drill cement and DV Tool	11200	11200
14:00	16:00	2.0	Trips	TIH to 8480'	11200	11200
16:00	20:00	4.0	Trips	Pick up single joints of S-135 dp tag cement at 11,090'	11200	11200
20:00	21:00	1.0	Reaming	Drill cement and float collar @ 11,098'	11200	11200
21:00	21:30	0.5	Other	Test casing to 1500 PSI good test	11200	11200
21:30	23:00	1.5	Reaming	Drill out cement and shoe @ 11,190' drill new hole to 11,210'	11200	11210
23:00	23:30	0.5	Cond Mud & Circ	Finish displacing hole with OBM	11210	11210
23:30	00:00	0.5	Other	F.I.T test with 12.7 ppg OBM to 15 PPG ew 1330 PSI applied. Good test	11210	11210
00:00	06:00	6.0	Drilling	Drill 11,210'-11,553' (3500 psi, 400 dif, 25 wob, 70 rot, 120 bit rpm, 260 gpm, 9-11.5k torq,)	11210	11553

[illegible][illegible]

WEATHER							
GEN. CONDITIONS:	Cloudy	WIND SPEED:	11-19 MPH	WIND DIRECTION:	SE	TEMP:	71