



DRILLING REPORT

WELL: UL Fremont 38-17 1H				CONTRACTOR: Cactus				RIG: Cactus 137	
RPT DATE: June 23, 2017				SPUD DATE: 5/24/17		CASING		OD	WT
API #: 42475372300000				DFS: 30		Conductor	20		
FIELD: Phantom (Wolfcamp)				REPORT NO: 31		Surface	13-3/8	55	J-55
ELEV: 14,760				DOL: 35		Intermediate	10-3/4	46	J-55
MD: 14,760				LAST BOP TEST: 6/15/17		Intermediate	7-5/8	30	P-110HC
24 HR FTG: 888				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
16:00	13.2	67.0	2.0					9	15	17	28	10	223,352				7,400	55.00	8.64	250.00
												REDUCED PUMP RATES								
												PUMP		SPM		PRESS		DEPTH		
												#1		70		2,320		14,715		
												#2		70		2,360		14,715		

BIT DATA													
NO.	SIZE	MAKE	TYPE	SER NO.	NOZZLES	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
12	6.75	Security	MM54D	12865544	5-16		13,872	14,760	888	23.0	20		39
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	PUMP HHP
1	Hong Hua	HHF 1600	5.000	12.000	51	5000	300	2.906	95				
2	Hong Hua	HHF 1600	5.000	12.000	51	5000	300	2.906	95				

BHA							
DESCRIPTION:	Drill curve						
LENGTH	14,760.00	BHA WT. AIR		BHA WT. MUD		HRS. ON JARS	
ROT. WT.	220	P.U. WT.	320	S.O. WT.	150	TORQUE	11,000
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					
14,359	92.20	261.80	11,477	-1,180.7	-2,683.2		2,926.9	2.4					
14,453	89.20	261.60	11,476	-1,194.2	-2,776.2		3,018.8	3.2					
14,547	87.70	257.40	11,479	-1,211.4	-2,868.6		3,111.3	4.7					
14,641	85.10	252.30	11,485	-1,235.9	-2,959.1		3,204.6	6.1					

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	16:30	10.5	Drilling	Drill 6.75 Lateral section from 13,872' to 14,340' (72 rpm, 15-20k wght on bit, 291 gpm, torque 12-13, pump pressure on bottom 4850psi, off bottom 4200psi)	13872	14380
16:30	17:00	0.5	Lubricate Rig	Rig Service	14380	14380
17:00	04:00	11.0	Drilling	Drill 6.75 Lateral section from 14,380' to 14715' (72 rpm, 15-20k wght on bit, 291 gpm, torque 12-13, pump pressure on bottom 4950psi, off bottom 4300psi)	14380	14715
04:00	04:30	0.5	Lubricate Rig	Rig service	14715	14715
04:30	06:00	1.5	Drilling	Drill 6.75 Lateral section from 14,715' to 14,760' (72 rpm, 15-20k wght on bit, 291 gpm, torque 12-13, pump pressure on bottom 5000psi, off bottom 4425psi) Total drilled 888' Rotated 623', Slide 265' 30.5' Below / 1' right	14715	14760
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