DRILLING REPORT

WELL:	UL American Basin 14-21 1H	**CONTRACTOR:**	Cactus				**RIG:**	Cactus 139	
RPT DATE:	August 20, 2017	**SPUD DATE:**	8/7/17	**CASING**	**OD**	**WT**	**GRD**	**MD**	**TVD**
API #:	42495338760000	**DFS:**	13	Conductor	20	94	J-55	80	80
		REPORT NO:	14	Surface	13-3/8	55	J-55	1,172	1,171
FIELD:	Phantom (Wolfcamp)	**DOL:**	17	Intermediate	10-3/4	46	J-55	4,623	4,616
ELEV:	**RKB:**	**LAST BOP TEST:**	8/6/17						
MD:	11,060 **TVD:** 11,051								
24 HR FTG:	**HRS DRLG:**	**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
14:00	9.0	27.0	100.0	1	1	10.5	1	1	1	1	1	1	68,000		0.40	0.80			4.75	

REDUCED PUMP RATES

PUMP	SPM	PRESS	DEPTH
#1	30	270	10,253
#2	30	250	10,253

BIT DATA

NO.	SIZE	MAKE	TYPE	SER NO.	NOZZLES	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
6	9.88	Ulterra	U513S	35679	7x16		10,008	11,060	1,052	15.0	38	40	70

BIT NO.	6	INNER	1	OUTER	3	DULL	Chipped	LOC	Shoulder	SEAL		GAUGE	IG	OTHER	N/A	RP	TD INT 2

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										
2	HHF	1600	6.000	12.000										

BHA

DESCRIPTION:							
LENGTH		BHA WT. AIR		BHA WT. MUD		HRS. ON JARS	
ROT. WT.		P.U. WT.		S.O. WT.		TORQUE	
TIME MADE UP	17:30	DATE MADE UP	8/17/2017	TIME PULLED	09:00	DATE PULLED	8/19/2017

SURVEY DATA

MD	ANGLE	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS

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	06:30	0.5	Cond Mud & Circ	Circ/Cond @ 11060'	11060	11060
06:30	07:30	1.0	Trips	Flow check. Make wiper trip to 10003'. No fill once back on bottom @ 11060'	11060	11060
07:30	09:00	1.5	Cond Mud & Circ	Circ sweep throughout well @ 11060'. Flow check. Pump slug	11060	11060
09:00	13:30	4.5	Trips	POOH from 11060' to 4000' laying out 5" DP to rack	11060	11060
13:30	14:00	0.5	Other	Monitor well @ 4000' due to well not taking proper mud to fill while POOH	11060	11060
14:00	18:00	4.0	Trips	Cont to POOH from 4000' laying out 5" DP to rack	11060	11060
18:00	19:00	1.0	Dir Work	Directional Work- Lay out Monel, MWD, HOC, Motor and Bit (Hole is Full)	11060	11060
19:00	19:30	0.5	Other	Pull Wear Bushing	11060	11060
19:30	20:00	0.5	Other	Clean and organize floor, Remove Elevators and installed bell extensions	11060	11060
20:00	21:00	1.0	Run Csg & Cement	Held rig up and run safety meeting with Cactus and Franks CSG Crew- Rigged up CSG crew and inspected	11060	11060
21:00	06:00	9.0	Run Csg & Cement	Made up shoe Track * Tested Float * Ran 7.625" CSG TO 10,628' * Placing bow springs on every 3rd Jt to surface * Filling CSG on the fly * Stopping to fill every 3,000' *	11060	11060
TOTAL HRS	**24.0**					

WEATHER

GEN. CONDITIONS:	Mostly Cloudy	**WIND SPEED:**	8 MPH	**WIND DIRECTION:**	E	**TEMP:**	75
COMMENTS:	67% Humidity						