DRILLING REPORT

WELL:	UL Guanella 05-17 1H			**CONTRACTOR:**	Cactus				**RIG:**	Cactus 139	
RPT DATE:	June 25, 2017			**SPUD DATE:**	5/27/17	**CASING**	**OD**	**WT**	**GRD**	**MD**	**TVD**
		API #:	42475372150000	**DFS:**	29	Conductor	20	94	J-55	80	
				REPORT NO:	30	Surface	13-3/8	55	J-55	1,220	
FIELD:	Phantom (Wolfcamp)			**DOL:**	34	Intermediate	10-3/4	46	J-55	5,000	
ELEV:		**RKB:**		**LAST BOP TEST:**	6/14/17	Intermediate 2	7-5/8	30	HC-P11(	10,809	10,797
MD:		**TVD:**	11,354								
24 HR FTG:		**HRS DRLG:**	10.5	**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
18:30	13.1	75.0	10.0	3	4		1	6	12	14	34	14	35,000				15,200	55.00	11.58	250.00

REDUCED PUMP RATES

PUMP	SPM	PRESS	DEPTH
#1	30	780	15,700
#2	30	860	15,700

BIT DATA

NO.	SIZE	MAKE	TYPE	SER NO.	NOZZLES	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
12	6.75	HDBS	MMD64DM	12910400	6x16		15,607	15,863	256	10.5	30	70	24

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	51	5219	140	2.90	95	14.23	290	357	20.2	1600
2	HHF	1600	5.000	12.000	51	5219	140	2.90	95	14.23	290	357	20.2	1600

BHA

DESCRIPTION:	6.75" Lateral assembly, BHA #10, Run #3						
LENGTH	7,101.56	BHA WT. AIR	160,644	BHA WT. MUD	129,940	HRS. ON JARS	
ROT. WT.	200	P.U. WT.	270	S.O. WT.	160	TORQUE	16,000
TIME MADE UP	04:00	DATE MADE UP	6/24/2017	TIME PULLED		DATE PULLED	

SURVEY DATA

MD	ANGLE	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
15,558	94.52	345.87	11,357	4,012.7	-1,144.6		4,172.7	5.4
15,651	88.98	344.09	11,355	4,102.5	-1,168.6		4,265.6	6.3
15,745	86.80	345.36	11,358	4,193.1	-1,193.4		4,359.5	2.7

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	07:30	1.5	Trips	Cont to TIH after BHA change from 2660' to 5200'. Note: Trip time slower while RIH due to Hi-Clutch out on Drawworks. Utilizing Low-Clutch only	15607	15607
07:30	13:30	6.0	Repair Rig	Hang block, remove guards from DWKS., Replace Hi-Clutch . Function test same	15607	15607
13:30	15:00	1.5	Cut off Drill Line	Slip / Cut 120' of drill line	15607	15607
15:00	19:30	4.5	Trips	Cont to RIH from 5200' to 15,607' (Filling DP every 30 stands)	15607	15607
19:30	06:00	10.5	Drilling	Drill 6.75" Lateral Section F/15,607' TO/15,863' (256' at 24 FPH) Rotate = WOB 30 * GPM 280 * SPP 5214 * Diff 450/600 psi * SPM 103 * TD RPM 70, Mtr RPM 239 * Total RPM 309 * Torq 14K Sliding = WOB 60 * GPM 290 * SPP 4815 * Diff 80 - 250 psi * SPM 105	15607	15863
TOTAL HRS		**24.0**				

WEATHER

GEN. CONDITIONS:	Cloudy	**WIND SPEED:**	12 MPH	**WIND DIRECTION:**	ESE	**TEMP:**	72
COMMENTS:							