DRILLING REPORT

WELL:	UL Urad 1609-21 1H			CONTRACTOR:	Cactus				RIG:	Cactus 129	
RPT DATE:	July 4, 2017			SPUD DATE:	5/28/17	CASING	OD	WT	GRD	MD	TVD
		API #:	42495338430000	DFS:	37	Conductor	20	94	J-55	110	110
				REPORT NO:	38	Surface	13-3/8	55	J55	1,105	1,105
FIELD:	Phantom (Wolfcamp)			DOL:	43	Intermediate	10-3/4	46	J-55	5,090	5,065
ELEV:	2,807	RKB:	31	LAST BOP TEST:	6/18/17	Intermediate	7-5/8	30	P110HC	11,695	11,669
MD:	22,453	TVD:	12,182			Production	5-1/2	23	P-110	22,435	12,182
24 HR FTG:		HRS DRLG:		CSGHD:	2,807						

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
22:00	14.2	82.0		7	8		2	13	11	13	36	13	84,000					54.00	4.71	2.00

REDUCED PUMP RATES

PUMP	SPM	PRESS	DEPTH
#1	30		
#2	30		

BIT DATA

NO.	SIZE	MAKE	TYPE	SER NO.	NOZZLES	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP

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	Gardner Denver	PXL	5.500	11.000										
2	Gardner Denver	PXL	5.500	11.000										

BHA

DESCRIPTION:							
LENGTH		BHA WT. AIR		BHA WT. MUD		HRS. ON JARS	
ROT. WT.		P.U. WT.		S.O. WT.		TORQUE	
TIME MADE UP		DATE MADE UP		TIME PULLED		DATE PULLED	

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	13:00	7.0	Run Csg & Cement	Continue run 5.5" * 23# * P-110 GeoCon * BTC Prod casing to 17,488' - 22,435' - Returns are good but not full Had to work pipe & wash thru 12 degree dogleg @ 18,451' - Couldn't rotate pipe	22453	22453
13:00	15:30	2.5	Cond Mud & Circ	Work pipe & establish circ - Continue circ 1.25 x csg capacity prior to pumping cement *Couldn't rotate pipe .	22453	22453
15:30	16:30	1.0	Run Csg & Cement	R/D Pipe Pro CRT & R/U Blackhawk RCH	22453	22453
16:30	21:30	5.0	Run Csg & Cement	PJSM - H/U Schlumberger cement lines & test to 8,000 psi - Mix, Pump, & displace cement as follows: 40 bbls MPE spacer @ 14 ppg 330 bbls (1,539 sxs) Tail cement @ 14.5 ppg w/ 1.21 yld Drop plug & displace with 483 bbls (8 bbls over - 475 calculated) fresh water (Biocide & oxygen scavenger added) Bump plug with 6300, 550 psi over lift pressure - Held 3 minutes & released - Flts held 9 bbls back - Good returns thru-out job - No cement to surface .	22453	22453
21:30	01:30	4.0	Wait on Cement	WOC and monitor casing pressures. Cleaning Pits & flush through pumps & lines - Prepare to N/D & set slips Initial casing pressure = 750 psi & reached 1,200 psi after 3 hrs - Final pressure after 4 hrs = 1,250 psi	22453	22453
01:30	04:00	2.5	Nipple Up B.O.P.	Bled off pressure - Remove bolts & lift stack - Set slips with 175K - L/D Blackhawk cement head, make rough cut on 5.5" casing & L/D same	22453	22453
04:00	06:00	2.0	Nipple Up B.O.P.	N/D BOP's, make final cut on 5.5" csg, & dress stump to install Tbg head *Cleaning pits for rig move	22453	22453
TOTAL HRS		24.0				

WEATHER

GEN. CONDITIONS:	Partly Cloudy	WIND SPEED:	8	WIND DIRECTION:	ESE	TEMP:	76
COMMENTS:							