DRILLING REPORT

WELL:	UL Urad 1609-21 1H		**CONTRACTOR:**	Cactus		**RIG:**	Cactus 129		
RPT DATE:	June 9, 2017		**SPUD DATE:**	5/28/17	**CASING**	**OD**	**WT**	**GRD**	**MD**	**TVD**
	API #:	42495338430000	**DFS:**	12	Conductor	20	94	J-55	110	110
			REPORT NO:	13	Surface	13-3/8	55	J55	1,105	1,105
FIELD:	Phantom (Wolfcamp)		**DOL:**	18	Intermediate	10-3/4	46	J-55	5,090	5,065
ELEV:	2,807	**RKB:** 31	**LAST BOP TEST:**	5/29/17						
MD:	10,508	**TVD:** 10,482								
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
16:00	9.0	31.0		1	1	8.0	1	1	1	1	1	1	67,000		0.03	0.14			0.18	

REDUCED PUMP RATES

PUMP	SPM	PRESS	DEPTH
#1			
#2			

BIT DATA

NO.	SIZE	MAKE	TYPE	SER NO.	NOZZLES	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
6	9.88	HDBS	MM55DC	12917185	7x16		10,508						
5	9.88	Ulterra	PDC U513S	35676	7 x 12	N	9,628	10,508	880	21.0	35	70	42

BIT NO.	5	INNER	3	OUTER	4	DULL	BT	LOC	All Areas	SEAL	X	GAUGE	I	OTHER	CT	RP	DSF

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:	9-7/8" Intermediate 2						
LENGTH	2,134.72	BHA WT. AIR	140,975	BHA WT. MUD	121,604	HRS. ON JARS	
ROT. WT.		P.U. WT.		S.O. WT.		TORQUE	
TIME MADE UP	00:30	DATE MADE UP	6/9/2017	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	11:30	5.5	Fishing	M/U new 6.5" Mill control & install new 6.375" grapple in over-shot & TIH to 10,096'	10508	10508
11:30	12:00	0.5	Fishing	B/C & establish pump rate @ 68 SPM w/ 275 psi - S/O & swallow fish - Pressure increased to 900 psi Kill pump & S/O 100K on fish - Work pipe down on fish several times to insure fish goes into grapple P/U & pull fish off bottom - P/U went from 345K to 395K - Pulled fish free with very little over-pull	10508	10508
12:00	19:00	7.0	Fishing	TOOH w/ fish	10508	10508
19:00	20:30	1.5	Fishing	L/D fishing tools - Attempt to shuck fish from over-shot - No success - L/D overshot with 6.5" DC stub stuck in it	10508	10508
20:30	21:30	1.0	Lubricate Rig	Rig service - Change out ST-80 dies	10508	10508
21:30	00:30	3.0	Fishing	L/D fish as follows: 2 x 6.5" DC's, X-O, 6 x 8" DC's, 8" NMDC, P/U & drain mtr, Break bit, Pull MWD, L/D HOS, 8" NMDC, Flt sub, MM, & bit, 6 x 6.5" DC's in derrick	10508	10508
00:30	06:00	5.5	Trips	P/U new Mtr (8" * 7/8 Lobe * 3.4 Stg * 1.5 Fixed * 0.087 RPG) & MWD Scribe & orient - Surface Test MWD - M/U new bit (MM55DC w/ 7 x 16's) & P/U 6 x 8" DC's & 6 x 6.5" DC's - TIH to 3,400'	10508	10508
TOTAL HRS	**24.0**					

WEATHER

GEN. CONDITIONS:	Partly Cloudy	**WIND SPEED:**	12 mph	**WIND DIRECTION:**	SE	**TEMP:**	70
COMMENTS:							