

DRILLING REPORT

WELL: UL American Basin 14-21 1H				CONTRACTOR: Cactus				RIG: Cactus 139																		
RPT DATE: August 21, 2017				SPUD DATE: 8/7/17				CASING		OD	WT	GRD	MD	TVD												
API #: 42495338760000				DFS: 14				Conductor		20	94	J-55	80	80												
				REPORT NO: 15				Surface		13-3/8	55	J-55	1,172	1,171												
FIELD: Phantom (Wolfcamp)				DOL: 18				Intermediate		10-3/4	46	J-55	4,623	4,616												
ELEV:		RKB:		LAST BOP TEST: 8/6/17				Intermediate 2		7-5/8	30	~110HC	11,046													
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			10.5	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						
7		6.75		Ulterra		U611S		36180		7x16				11,060												
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																		
2		HHF		1600		5.000		12.000																		
BHA																										
DESCRIPTION:		6.75 Curve BHA run #1																								
LENGTH		1,647.31		BHA WT. AIR		70,000		BHA WT. MUD		68,248		HRS. ON JARS														
ROT. WT.				P.U. WT.				S.O. WT.				TORQUE														
TIME MADE UP		22:30		DATE MADE UP		8/20/2017		TIME PULLED				DATE PULLED														
SURVEY DATA																										
MD		ANGLE		AZIMUTH		TVD		N/S		COORDINATES		E/W		V. SECTION		DLS										
CONSUMABLES				DIESEL FUEL (gal) Rcvd/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	Run Csg & Cement	Finish running 7-5/8" casing to shoe depth of 11,046'. Land on hanger with 160K down												11060	11060									
06:30	07:30	1.0	Rig Up & Tear Down	Rig down casing tools and equipment												11060	11060									
07:30	10:00	2.5	Cond Mud & Circ	Circ 1.5 x casing volume thru choke												11060	11060									
10:00	10:30	0.5	Rig Up & Tear Down	Rig down CRT												11060	11060									
10:30	11:00	0.5	Run Csg & Cement	Rig up cement equipment & tools. Hold pre-job safety meeting with crews												11060	11060									
11:00	14:00	3.0	Run Csg & Cement	Test surface lines to 3000 psi *Mix & Pump: 20 bbls of 8.4 ppg Gel spacer followed by 900 sks (457 bbls)of Lead cmt @ 11.0 ppg followed by 205 sks (53 bbls)of Tail cement @ 13.2 ppg. Drop plug & displace with 503 bbls of 9.0 ppg brine mud. Lift psi before bumping plug was 1630 psi., bump plug with 2130 psi & hold for 5 mins. bled off with 3.5 bbls returned. Floats held. Full returns throughout cement job with estimated 125 bbls of cement to surface												11060	11060									
14:00	16:00	2.0	Run Csg & Cement	Install Pack off and test to 5,000 psi 10/min												11060	11060									
16:00	16:30	0.5	Lubricate Rig	Service Rig- CHK Oils in Draw Works and grease inner and outer certs												11060	11060									
16:30	17:00	0.5	Other	Install Wear Bushing												11060	11060									
17:00	22:30	5.5	Other	Change out Saver Sub on TD for 4.5" DP, Die Blocks and install stabbing guide , Torque Compression rig on saver sub to 180, Wire tie all bolts on stabbing guide and compression ring, Install Pollution pan , tarp and drain hoses Lay out and strap 51 joints of HWDP, While finishing up cleaning Mud Tanks												11060	11060									
22:30	23:30	1.0	Dir Work	Directional work- P/U Motor , Float sub, NM HOC, NMDC and 6.75" Ulterra U611 Drill bit, Tested Motor on Surface												11060	11060									
23:30	03:30	4.0	Trips	Picked up 51 Joints of HWDP off the racks then tripped in hole out of derrick with DP' to 7,286' Displacement was sent out bypass to open top while RIH) During that time OBM was transferred to Mud Tanks over the Shakers												11060	11060									
03:30	04:00	0.5	Lubricate Rig	Serviced Rig- Greased Daily certs on TD and Checked TD track rollers												11060	11060									
04:00	05:30	1.5	Cut off Drill Line	Slip and cut drill line- Cut 112'												11060	11060									
05:30	06:00	0.5	Repair Rig	Multiple Bolts holding air brake down on Draw Works Sheared off cause brake to rock - Waiting on Mechanic to arrive												11060	11060									
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