



# DRILLING REPORT

WELL: UL Yankee Boy 18-17 1H				CONTRACTOR: Cactus				RIG: Cactus 137				
RPT DATE: April 11, 2017				SPUD DATE: 3/12/17		CASING		OD	WT	GRD	MD	TVD
		API #:	42475372040000	DFS: 30		Conductor		20			102	102
				REPORT NO: 31		Surface		13-3/8	55	J55	1,208	1,208
FIELD: Phantom (Wolfcamp)				DOL: 32		Intermediate		10-3/4	46	J55	5,008	4,995
ELEV: 2,656		RKB:	25	LAST BOP TEST: 4/2/17								
MD: 16,340		TVD:	11,246									
24 HR FTG: 1,040		HRS DRLG:	23	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
16:00	12.7	58.0		5	6		3	9	14	16	20	7	28,000					22,000	60.80	9.81	2.00
												REDUCED PUMP RATES									
												PUMP		SPM		PRESS		DEPTH			
												#1		30		680		15,228			
												#2		30		740		16,257			

BIT DATA																		
NO.	SIZE		MAKE		TYPE		SER NO.		NOZZLES		RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
16	6.75		Ulterra		U613M		21880		6-14			15,300	16,340	1,040	23.0	25	168	45
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	Hong Hua	HHF 1600	5.000	12.000	88	3900	250	2.9	95	13.79	287	378	26.7	844
2	Hong Hua	HHF 1600	5.000	12.000										

BHA							
DESCRIPTION:	Lateral						
LENGTH	16,340.00	BHA WT. AIR		BHA WT. MUD	280,000	HRS. ON JARS	
ROT. WT.	220,000	P.U. WT.	360,000	S.O. WT.	150,000	TORQUE	14
TIME MADE UP	14:30	DATE MADE UP	4/9/2017	TIME PULLED		DATE PULLED	

SURVEY DATA										
MD		ANGLE	AZIMUTH	TVD	N/S	COORDINATES		E/W	V. SECTION	DLS
15,928		87.10	162.50	11,214		-4,745.8		1,606.3	5,005.8	4.2
16,022		89.30	166.60	11,217		-4,836.4		1,631.4	5,099.8	5.0
16,115		86.30	167.60	11,221		-4,926.9		1,652.1	5,192.5	3.4
16,208		86.40	166.60	11,227		-5,017.4		1,672.8	5,285.2	1.1

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	13:30	7.5	Drilling	Rot/slide 15,300' - 15,695' (395'@53 fph ) 3900 psi, 320 psi, 250 gpm, wob 22, rot 70, 168 bit rpm, 12k torq	15300	15695
13:30	14:00	0.5	Lubricate Rig	Service Rig/Top Drive	15695	15695
14:00	04:00	14.0	Drilling	Rot/slide 15,695' - 16,257'(562'@40 fph ) 3850 psi, 420 psi, 250 gpm, wob 25, rot 80, 168 bit rpm, 14k torq	15695	16257
04:00	04:30	0.5	Lubricate Rig	Service rig/ Top drive	16257	16257
04:30	06:00	1.5	Drilling	Rot/slide 16,257' - 16,340'(83'@55 fph ) 3850 psi, 420 psi, 250 gpm, wob 25, rot 80, 168 bit rpm, 14k torq	16257	16340
</						