

## A new record set with a PV power section!!

When: June 18, 2015

**Where: Eagleford Shale, Karnes County, Texas** 

Model: 6 ¾ 4:5 lobe 7.0 Stage Grp 4

Stator Minor: 3.525
Fit In: -0.013" loose

Rubber: HS88
BHT: 310° F

• Mud Type: Oil Base

•Total Hrs in Hole: 110 hrs.

• D&C Hours: 94.33 hrs.

Total Drilled: 6,469'

• Avg. ROP: 87.81 ft/hr

• GPM: 425 - 600

• Avg. Differential: 650 psi

• Reason POOH: TD

Customer Feedback:

Excellent run!! Set new record for building curve (12 hrs).

BHA#	Mud Motor Report						
JOB NO.:					FIELD:		
Company:					Township:		
LOCATION:					Range:		
RIG NAME:					Lead DD:		
STATE:	Texas				Co. Man		
COUNTY:	Karnes						
WELL NAME:			Motor Fail	ed?: NO			
Time and Depth	s (This BHA)	MOTOR DATA				<b>Drilling Parameters</b>	
Date In:	18/Jjune/2015	Desc:	6 3/4" 4:5 1	obe 7.0 Stage	Grp 4	SO/PU: 200-225	
Date Out:	23/Jjune/2015	MFG:				Rot Wt:	225-245
Hrs in Hole:	110.42	BHA Circ/All BHA	84.00/83.2	5		WOB:	8 - 32
Start Depth:	11,923	Motor SN:				TORQ:	11.1 - 13500
End Depth:	18,392	Pad OD:	7 1/8			SPP:	2850 - 4700
Total Drilled:	6,469	NB Stab:	0			Motor RPM:	213 300
Avg. Total ROP:	87.81	Bit to Bend:	5.54			Rotary RPM:	40 - 80
Circ Hrs:Tot/Only:	84.00/10.33	Bent Hsg/Sub:	2	/0		Flow Rate:	425 - 600
Percent Slide:	17.38%	Lobe/Stage:	6/7 8			Avg Diff:	650
Percent Hours:	32.69%	Rev/GAL:	0.5			Stall Pres.:	2360
Slide Hours:	24.08	Rotor Jet:	0			Off Bot Pres.:	203
Total Sliding:	1,124	Prop BUR:	12		ļ	Bit R	ecord
Avg. Slide ROP:	46.67	Act BUR:	14			_	
Percent Rotary:	82.62%	Stator Clearance:				Run#	3
Percent Hrs:	67.31%	Lower Stab OD:				Type Bit:	PDC TFA: 2.597
Rot/Total Hrs:	49.58/73.67	Upper Stab OD:	NO			IADC#:	IPA: 2,59/
Rotary Drilled:	5.345 107.8	Extended Motor? Number of Stalls:				JETS:	es pereses of
Avg. Rotary ROP: Reason POOH:	107.8 TD	Stall Duration:	0			Bit Drop: Cond.:	65 PSI@600 GR
Reason POUR:	10	Stall Duration:	Mud Data	·		cona.:	Damaged
Type OBM			WT: 13.3	Vis: 57	WL: 62	PV: 33 Flor	w T: 168
SAND 0	Chlor:294476	GAS 735	SOL: 11.5				w 1: 100 m Hole T: 310
Formation:	Cni01:2944/6	GA3 /33	<b>50L</b> : 11.5	OII%: 83	TP: 19	PH: 0 Botto	m noie i: 310
EXPANDED REA	SON PULLED:						
TD@18392'	CLLED.						
10@18395							
BHA PERFORM	ANCE						
		ateral, BHA had a ten	dency to dr	on 0 5-1 0' a	nd walked I	eft up to 3 60/100	' in rotation
Avg. ROP Rot: 108		accial, brim ilau a ten	dericy to dr	νρ 0.3-1.0 di	waiked I	en up to 3.00/100	rotation.
ADDITIONAL CO	OMMENTS: /Evo	ands to next page if n	ocoeean/\				
		ands to next page if n ial slack in bearings, b		3 & in garrage	with dam-	god cuttors (0 hro	ken/chinned