

Another successful run with a PV power section!!

When: April 04 - 10, 2015
Where: Mountrail County, North Dakota

- Model - 5" 6/7 lobe 8.0 stage
- Stator Minor – 2.639
- Fit In - .004" loose
- Rubber - HS88
- BHT - 252° F
- Mud Type - Salt Water
- Hours in Hole - 136 hrs.
- D&C Hours - 96.58 hrs.
- Total Drilled - 9,987'
- Avg ROP - 110 ft./hr.
- GPM - 236 – 306
- Avg Differential - 1,000 psi
- Reason POOH - TD
- Customer Feedback – Exceeded expectations of 2,000' drilled/day

Time and Depths (This BHA)		MOTOR DATA		Drilling Parameters	
Date In:	04-Apr-15 @ 16:45	Desc:	5 inch; 6/7; 8.0 stg; 2OS; set @	SO/PU:	110 - 150 / 165-210
Date Out:	10-Apr-15 @ 20:00	MFG.:		Rot Wt:	155-170
Hrs In Hole:	136.42	BHA Circ/ All BHA:	96.58 / 96.58	WOB:	5 - 80
Start Depth:	11173.00	Motor SN:		TORQ:	4000 - 15000
End Depth:	21160.00	Pad OD:	.125	SPP:	2050 - 4550
Total Drilled:	9987.00	NB Stab:	0	Motor RPM:	223 - 248
Avg. Total ROP:	110.25	Bit to Bend:	3.99	Rotary RPM:	25 - 70
Circ Hrs:Tot/Only:	96.58 / 6.00	Bent Hsg / Sub:	1.5 / 1.5	Flow Rate:	236 - 306
Percent Slide:	8.24	Lobe/Stage:	6/7 / 8	Avg Diff:	1000
Percent Hrs:	35.97	Rev/GAL:	0.81	Stall Pres.:	1800
Slide Hours:	32.58	Rotor Jet:	0	Off Bot Pres.:	3400
Total Sliding:	823.00	Prop BUR:	12	Bit Record	
Avg. Slide ROP:	25.26	Act BUR:	14	SECURITY / Security MM64	
Percent Rotary:	91.76	Stator Clearance:	.008	Run #:	3
Percent Hrs:	64.03	Lower Stab OD:		Type Bit:	PDC
Rot / Total Hrs:	58.00 / 90.58	Upper Stab OD:		IADC#:	TFA: 1.841
Rotary Drilled:	9164.00	Extended Motor? NO		JETS:	e-20
Avg. Rotary ROP:	158.00	Number of Stalls:	0	Bit Drop:	25 PSI @ 306 GPM
Reason POOH:	TD	Stall Duration:	0	Cond.:	2;4;WT;S;X;CT;TD
Mud Data					
Type	Salt water	WT:	9.7	Vis:	28
SAND:	0	Chlor:	150000	GAS:	0
		SOL:	0.5	Oil %:	1
		YP:	1	PH:	9
				Flow T :	0
				Bottom Hole T :	252
Formation:					
EXPANDED REASON PULLED:					
TD lateral.					
BHA PERFORMANCE:					
(Rotating-Drilled 9164' @ Avg. ROP of 158, DIFF: 500-1150, WOB: 15-30, RPM: 55-70)(Sliding- Drilled 823' @ Avg. ROP of 25.26, DIFF: 100-250, WOB: 20-50)					
ADDITIONAL COMMENTS: (Expands to next page if necessary) Assembly drilled as expected, giving great ROP, and consistent build rates. Bit was easy to steer, but did not track very well. Upon reaching surface the motor drained fine and no excessive play was noticed, motor will be sent in for further inspection. Bit was graded: 2;4;WT;S;X;CT;TD					
WinSURV II Mud Motor Report					

