BHA # 1

Mud Motor Report

ENSECO Directional Drilling

JOB NO.:	10557-159	**FIELD:**	Powder Wash
Company:	Wexpro Company	**Township:**	11 N
LOCATION:		**Range**	97 W
RIG NAME:	SST-88	**Lead DD:**	Vearl Tucker
STATE:	Colorado	**Co. Man:**	Rick Bush
COUNTY:	Moffatt		
WELL NAME:	Musser # 34	**Motor Failed?:**	NO

Time and Depths (This BHA)

Date In:	31-Jan-11 @ 06:30
Date Out:	02-Feb-11 @ 22:00
Hrs In Hole:	33.17
Start Depth:	85.00
End Depth:	1547.00
Total Drilled:	1462.00
Avg. Total ROP:	87.28
Circ Hrs:Tot/Only	18.50 / 1.75
Percent Slide:	7.73
Percent Hrs:	8.46
Slide Hours:	1.42
Total Sliding:	113.00
Avg. Slide ROP:	79.76
Percent Rotary:	92.27
Percent Hrs:	91.54
Rot / Total Hrs:	15.33 / 16.75
Rotary Drilled:	1349.00
Avg. Rotary ROP:	87.98
Reason POOH:	

MOTOR DATA

Desc:	8 inch adjustable mud motor
MFG.:	Wenzel
BHA Circ/ All BHA:	**18.50 / 18.50**
Motor SN:	**775-77123**
Pad OD:	8.00
NB Stab:	0
Bit to Bend:	6.43
Bent Hsg / Sub:	1.83 / 1.83 °
Lobe/Stage:	7/8 / 4
Rev/GAL:	0.16
Rotor Jet:	0
Prop BUR:	
Act BUR:	
Stator Clearance:	
Lower Stab OD:	
Upper Stab OD:	
Extended Motor?	NO
Number of Stalls:	0
Stall Duration:	

Drilling Parameters

SO/PU:	40 - 76 ' 40-95
Rot Wt:	40-80
WOB:	10 - 10
TORQ:	0 - 0
SPP:	800 - 2200
Motor RPM:	117
Rotary RPM:	0 - 50
Flow Rate:	390 - 733
Avg Diff:	
Stall Pres.:	
Off Bot Pres.:	

Bit Record

SMITH / MI616STC,6x12

Run #:	1RR		
Type Bit:	PDC		
IADC#:		**TFA:**	0.662
JETS:	6-12		
Bit Drop:	1016 PSI @ 733 GPM		
Cond.:			

Mud Data

Type	LSND			**WT:**	9	**Vis:**	31	**WL:**	12	**PV:**	5			**Flow T °:**	53		
SAND	0	**Chlor:**	900	**GAS:**	0	**SOL:**	4	**Oil %:**	0	**YP:**	1	**PH:**	10.3	**Bottom Hole T °:**	0		

Formation: Surface

EXPANDED REASON PULLED:

T. D. Surface @ 1547'

BHA PERFORMANCE:

Satisfactory

ADDITIONAL COMMENTS: **(Expands to next page if necessary)**