

**Motor Run Report**

Job Number	CA2101005
PDM	Discovery
Motor O.D.	7"
Power Section	7:8 8.5
Serial Number	700DDS023
Customer	University of Utah
Well Name	Forge 56-32
Rig Name	Frontier 16
County / State	Beaver, Ut
Location	North Milford
Date In	18-Feb
Date Out	21-Feb
Hole Size	8 3/4
Stabilizer Size	8.5"
Adj. Bend Set	Fixed 1.50°
Depth In	5999
Depth Out	7207
Footage Drilled	1208
ROP	23.26
Drill Hours	51.94
Additional Circ Hrs	1.52
Total Run Hours	53.46
Rotating Feet	1048
Rotating Hours	41.31
Sliding Feet	160
Sliding Hours	10.63
Slide ROP	15.05
Rotate ROP	25.37

 BHA # : 8

Failure - Y/N	:	<u>Y</u>
Trip-Reason For	:	<u>Pressure Spikes</u>

	Motor
Failure Type:	<u>Bearings</u>

GPM	:	<u>690</u>
Mud Wt.	:	<u>8.9</u>
Mud Vis.	:	<u>44</u>
Mud Cl.	:	<u>1300</u>
Mud Type	:	<u>WB</u>

Delta P	:	<u>150</u>
Inclination	:	<u>1.58</u>
WOB	:	<u>50</u>
BHT	:	<u>146.2</u>
RPM	:	<u>40</u>

 Directional Hand #1: Steve Mulholland

 MWD Hand #1: Al Gonzales

 Directional Hand #2: Mark Houston

MWD Hand #2: \_\_\_\_\_

Comments: BHA came on yielding 7.8°/100' and 25' slides were required to keep the inclination within the desirable range. Overall 13% sliding was needed to counter the WNW trend. However, slides in the latter stages of the run yielded only 2°-3°/100'. At 7207' the ROP dropped drastically to under 10'/hr and a trip out of the hole was commenced. At surface the bit was rung-out and the motor had severe wear on the stab and bend pad - both were changed out. Overall a good run with this assembly.

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