

Motor Run Report

Job Number	CA2101005
PDM	BICO
Motor O.D.	7"
Power Section	7:8 6.1
Serial Number	BPB5700-0042
Customer	University of Utah
Well Name	Forge 56-32
Rig Name	Frontier 16
County / State	Beaver, Ut
Location	North Milford
Date In	24-Feb
Date Out	26-Feb
Hole Size	8 3/4
Stabilizer Size	8.5"
Adj. Bend Set	Fixed 1.50°
Depth In	7666
Depth Out	8900
Footage Drilled	1234
ROP	33.48
Drill Hours	36.86
Additional Circ Hrs	1.5
Total Run Hours	38.36
Rotating Feet	968
Rotating Hours	22.59
Sliding Feet	266
Sliding Hours	14.27
Slide ROP	18.64
Rotate ROP	42.85

BHA # : 10

Failure - Y/N	:	N
Trip-Reason For	:	ROP

Failure Type:

GPM	:	690
Mud Wt.	:	8.9
Mud Vis.	:	44
Mud Cl.	:	1300
Mud Type	:	WB

Delta P	:	250-450
Inclination	:	2.32
WOB	:	49
BHT	:	170
RPM	:	40

Directional Hand #1: Steve Mulholland

MWD Hand #1: Al Gonzales

Directional Hand #2: Mark Houston

MWD Hand #2:

Comments: Early slides would yield 6°-7°/100'. However, at 8450' to 8545' the assembly built from 1.75° to 5.06° during rotation. Surveys were taken every 30' from that point, and slides of 50% were required to bring the well bore back to under 4°. Motor yield to fight the trend was a mere 3°/100'. At surface the motor drained well and the bearings had minimum play - however, the stab was a bit too worn and the motor was laid out.

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Bit Grade: DBR - 1/8" out of gauge