

**BHA Data Sheet**

<b>Job #</b>	CA2101005	<b>BHA #:</b>	<b>10</b>	<b>Hole Size :</b>	8 3/4	<b>Motor # :</b>	<b>10</b>
<b>Customer:</b>	University of Utah	<b>Date In:</b>	2021/02/24	<b>Date Out:</b>	2/25/2021	<b>Motor OD:</b>	<b>7</b>
<b>Well:</b>	Forge 56-32	<b>Depth In:</b>	7666	<b>Depth Out:</b>	8900	<b>Tot.Ftge.:</b>	1234
<b>Well Loc.:</b>	North Milford	<b>Slide.Hrs.:</b>	14.27	<b>Slide Ft.:</b>	266	<b>Slide.ROP:</b>	18.64
<b>County/St.:</b>	Beaver, Ut	<b>Rot.Hrs.:</b>	23.06	<b>Rot.Ft.:</b>	968	<b>Rot.ROP:</b>	41.98
<b>Rig :</b>	Frontier 16	<b>Drig Hrs.:</b>	37.33	<b>Slide WOB:</b>	48	<b>Avg.ROP:</b>	33.06
<b>DD:</b>	Steve Mulholland	<b>Circ.Hrs.:</b>	1.39	<b>Rot. WOB:</b>	45	<b>Steering%:</b>	21.56%
<b>DD:</b>	Mark Houston	<b>Tot D&amp;C Hrs:</b>	38.72	<b>Avg. Tq.:</b>	12000	<b>Rotate % :</b>	78.44%
<b>MWD:</b>	Al Gonzales	<b>R/S Config.:</b>	7/8 6.1	<b>Avg RPM :</b>	40	<b>GPM:</b>	657
<b>MWD:</b>		<b>ABH Set:</b>	1.5° FBH	<b>Incl. In:</b>	2.35	<b>SPP On:</b>	3045
<b>Mud Type:</b>	WB	<b>Mud PV:</b>	12	<b>YP</b>	14	<b>Incl.Out:</b>	2.5
<b>Mud Wt.:</b>	9	<b>Chloride:</b>	1200	<b>BHT F</b>	156	<b>Azimuth In :</b>	198.56
<b>Mud Vis.:</b>	40	<b>Sand % :</b>	.1	<b>Solid %:</b>	8.00%	<b>Azimuth Out :</b>	261.06
						<b>Delta P:</b>	275
						<b>Avg.DLS:</b>	1.75

Item	Description	Vendor	S/N	F/N	Stab. OD	OD	ID	Connection	Length	Cum. Length
1	Jets 3x13 3x14 PDC/TFA .840	REED TKC63	A271437			8 3/4	1 1/2	4 1/2RegP	0.85	0.85
2	7" Motor	BICO						4 1/2IFB		
2	7:8 8 6.1 1.50Fixed		BPB5700-0042		8.5	7		4 1/2RegB	30.17	31.02
3	NMUBHO	BT	6751608	1.74		6 13/16	3 1/4	4 1/2IFB	3.42	34.44
4	NMST Stab	DHS	670327	1.25	8.5	6 1/2	2 13/16	4 1/2IFB	3.20	37.64
5	NMDC	GGDS	DR 26583			6 1/2	3 1/4	4 1/2IFB	27.10	64.74
6	12XDC'S	RIG	RIG			6 1/2	2 7/8	4 1/2IFB	368.05	432.79
7	JARS	RIG	USKW13554349			6 1/2	3	4 1/2 IFP	33.51	466.30
8	24XHWDP	RIG	RIG			5	3 1/4	4 1/2 IFP	730.42	1196.72
9										
10										
11										
12										

**Total BHA Length = 1196.72**
**BHA Weights :** Wt in Air = Wt in Mud =

**BHA Expected Behavior**

BHA expected to produce 8.0°/100' DLS

**BHA Actual Behavior**

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°.

**Comments / Reason for Trip**

ROP

Failure? Y or N

N

**Bit Grade**

Inner/Outer/Dull Char./Location/Brng/Gage/Other/Reason Pulled

DBR - 1/8" out of gauge