

BHA Data Sheet

Job #	CA2101005	BHA #:	7	Hole Size :	8 3/4	Motor # :	7
Customer:	University of Utah	Date In:	02/17/2021	Date Out:	2021/02/18	Motor OD:	7
Well:	Forge 56-32	Depth In:	5610	Depth Out:	5999	Tot.Ftge.:	389
Well Loc.:	North Milford	Slide.Hrs.:	5.59	Slide Ft.:	97	Slide.ROP:	17.35
County/St.:	Beaver, Ut	Rot.Hrs.:	9.98	Rot.Ft.:	292	Rot.ROP:	29.26
Rig :	Frontier 16	Drig Hrs.:	15.57	Slide WOB:	50	Avg.ROP:	24.98
DD:	Steve Mulholland	Circ.Hrs.:	0.52	Rot. WOB:	50	Steering%:	75.06%
DD:	Mark Houston	Tot D&C Hrs:	16.09	Avg. Tq.:	6-8	Rotate % :	75.06%
MWD:	Al Gonzales	R/S Config.:	6/7 6.5	Avg RPM :	40	GPM:	672
MWD:		ABH Set:	1.5°	Incl. In:	6.34	SPP On:	3281
Mud Type:	WB	Mud PV:	12	Mud YP:	16	Incl.Out:	4.02
Mud Wt.:	8.7	Chloride:	1200	BHT F	145.4	Azimuth In :	254.32
Mud Vis.:	44	Sand % :	1.25%	Solid %:	6.00%	Azimuth Out :	265.52
						Delta P:	331
						Avg.DLS:	2

Item	Description	Vendor	S/N	F/N	Stab. OD	OD	ID	Connection	Length	Cum. Length
1	Jets 3X14 3X13 PDC/TFA .846	REED TKC63	A271436			8 3/4	1 1/2	4 1/2RegP	0.85	0.85
2	7" Motor 6:7 6.5 1.50Fixed	GGDS	RM7002		8.5	7		4 1/2IFB 4 1/2RegB	33.07	33.92
3	NMUBHO	BT	6751447	1.74		6 13/16	3 1/4	4 1/2IFB 4 1/2IFP	3.04	36.96
4	NMST Stab	DHS	650946	2.5	8.5	6 9/16	3	4 1/2IFB 4 1/2IFP	5.10	42.06
5	NMDC	GGDS	DR9901			6 1/2	3 1/4	4 1/2IFB 4 1/2IFP	27.81	69.87
6	Shock Tool	Other	SHTLO 6750040			6 7/8		4 1/2IFB 4 1/2IFP	10.80	80.67
7	12XDC'S	RIG	RIG			6 1/2	2 7/8	4 1/2 IFP 4 1/2 IFP	368.13	448.80
8	24XHWDP	RIG	RIG			5	3 1/4	4 1/2 IFP 4 1/2 IFP	730.42	1179.22
9										
10										
11										
12										

Total BHA Length = 1179.22
BHA Weights : Wt in Air = Wt in Mud =

BHA Expected Behavior

BHA expected to produce 8.0°/100' DLS

BHA Actual Behavior

Initially the assembly produced 12° yields - but eventually dropped off and 20' would only keep the well from building angle.

Comments / Reason for Trip

Pressure Spike

Failure? Y or N

N

Y

Motor Bearing Stack Locked Up Causing Pressure Spikes

Bit Grade

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

1-1-NO-AA-X-I-NO-PDM