

\* BIT # 20 SMITH F2 BIT DIAMETER : 12.25 inch NOZZ 16/16/16

HUD RHEOLOGICAL PARAMETERS : PV = 13 YP = 14 GEL = 5

466519

TIME	MEASURED	DEPTH		ROP	WOB	DRILLING PARAMETERS				DENSITY		TEMPERATURE		RESISTIVITY		GAS	OVERPRESSURE SURVEY			ACCUMULATED ON BIT					
		VERTCL	LAGGED			RPM	TORG	PRCSG	FLOW	PIT	IN	OUT	IN	OUT	IN		OUT	DCS	NORH	PF	CCD	FRAC	FEET	TIME	COST
Hr:mn	feet	feet	feet	ft/h	klbs	rpm	ftlb	psi	gpm	bbbls	ppg	degF	ohm	unit		ppg	ppg	ppg	feet	Dhr	\$				
D * 8:34	* 8020.7	8025.2	7973.0	* 86.5	* 43.6	87	3100	1961	538	* 486	* 9.2	9.4	91.5	106.2	.78	.78	* 7	* 1.16	1.47	* 10.2	9.3	16.1	* 135.2	3.92	331
D * 8:35	* 8029.3	8026.3	7973.0	* 60.7	* 44.7	85	3200	1956	530	* 486	* 9.2	9.4	91.5	105.9	.79	.78	* 7	* 1.27	1.47	* 10.1	9.3	16.0	* 136.3	3.93	328
D * 8:36	* 8030.5	8027.5	7975.0	* 42.1	* 45.8	81	3200	1961	534	* 484	* 9.2	9.4	91.7	106.3	.78	.78	* 7	* 1.30	1.47	* 10.2	9.3	16.1	* 137.5	3.96	326
D * 8:37	* 8031.1	8028.1	7975.0	* 46.6	* 44.9	84	3000	1956	531	* 484	* 9.2	9.5	91.7	106.3	.78	.77	* 7	* 1.33	1.47	* 9.7	9.3	15.9	* 138.1	3.98	325
D * 8:39	* 8032.1	8029.1	7977.0	* 27.9	* 43.5	81	3200	1961	532	* 484	* 9.2	9.4	91.8	106.1	.78	.78	* 7	* 1.40	1.47	* 10.2	9.3	16.1	* 139.1	4.01	324
D * 8:40	* 8033.4	8030.4	7977.0	* 83.5	* 44.7	81	3200	1975	534	* 482	* 9.2	9.4	91.9	106.0	.78	.78	* 7	* 1.17	1.47	* 10.2	9.3	16.1	* 140.4	4.02	321
D * 8:41	* 8034.1	8031.1	7979.0	* 39.1	* 43.3	81	3000	1956	538	* 480	* 9.2	9.4	91.9	106.0	.79	.78	* 7	* 1.37	1.47	* 10.2	9.3	16.1	* 141.1	4.04	320
D * 8:43	* 8035.4	8032.4	7979.0	* 42.4	* 45.5	83	3100	1961	530	* 480	* 9.2	9.4	92.0	106.1	.78	.78	* 7	* 1.38	1.47	* 10.2	9.3	16.1	* 142.4	4.07	318
D * 8:44	* 8036.0	8033.0	7979.0	* 55.9	* 43.6	81	3000	1966	529	* 480	* 9.2	9.4	92.0	106.3	.79	.78	* 7	* 1.28	1.47	* 10.0	9.3	16.0	* 143.0	4.07	317
D * 8:45	* 8037.1	8033.0	7981.0	* 55.9	* 44.6	84	3000	1956	534	* 478	* 9.2	9.4	92.0	105.9	.79	.78	* 7	* 1.28	1.47	* 10.0	9.3	16.0	* 143.0	4.10	317
D * 8:46	* 8038.0	8035.0	7981.0	* 44.3	* 38.4	85	2900	1956	529	* 478	* 9.2	9.4	92.1	105.8	.78	.78	* 7	* 1.35	1.47	* 9.6	9.3	15.9	* 145.0	4.13	314
D * 8:48	* 8039.2	8036.2	7983.0	* 52.0	* 44.3	85	3000	1951	529	* 478	* 9.2	9.4	92.0	105.6	.78	.78	* 7	* 1.32	1.47	* 9.8	9.3	16.0	* 146.2	4.15	312
D * 8:49	* 8040.0	8036.2	7983.0	* 52.0	* 43.6	82	2900	1966	536	* 478	* 9.2	9.4	92.2	105.9	.78	.77	* 7	* 1.32	1.47	* 9.8	9.3	16.0	* 146.2	4.17	312
D * 8:52	* 8041.4	8038.4	7984.0	* 38.9	* 41.8	84	2800	1966	530	* 480	* 9.2	9.4	92.2	105.7	.78	.77	* 7	* 1.44	1.47	* 10.2	9.3	16.1	* 148.4	4.22	309
D * 8:53	* 8042.0	8039.0	7984.0	* 27.2	* 45.4	82	2900	1966	534	* 480	* 9.3	9.5	92.3	106.4	.78	.77	* 7	* 1.49	1.47	* 10.2	9.3	16.1	* 149.0	4.24	308
D * 8:54	* 8043.3	8039.0	7984.0	* 27.2	* 45.1	81	3000	1970	530	* 480	* 9.2	9.4	92.3	106.3	.78	.77	* 7	* 1.49	1.47	* 10.2	9.3	16.1	* 149.0	4.26	308
D * 8:55	* 8044.4	8041.4	7984.0	* 55.1	* 43.9	81	2900	1966	529	* 480	* 9.2	9.5	92.3	106.1	.79	.77	* 7	* 1.27	1.47	* 10.1	9.3	16.0	* 151.4	4.28	304
D * 8:56	* 8045.0	8041.4	7986.0	* 55.1	* 43.9	81	3100	1966	530	* 480	* 9.2	9.5	92.4	106.3	.78	.77	* 7	* 1.27	1.47	* 10.1	9.3	16.0	* 151.4	4.29	304
D * 8:58	* 8046.0	8042.0	7986.0	* 39.5	* 45.8	81	2900	1961	531	* 478	* 9.2	9.5	92.4	106.5	.78	.77	* 7	* 1.30	1.48	* 10.2	9.3	16.1	* 152.0	4.31	303
D * 9: 0	* 8047.1	8043.0	7988.0	* 47.9	* 44.4	86	2900	1966	534	* 478	* 9.2	9.4	92.4	107.0	.78	.77	* 7	* 1.32	1.48	* 9.8	9.3	16.0	* 153.0	4.35	302
D * 9: 2	* 8048.5	8044.1	7990.0	* 31.8	* 42.0	87	2700	1966	538	* 480	* 9.2	9.5	92.4	106.6	.78	.77	* 7	* 1.45	1.48	* 10.2	9.3	16.1	* 154.1	4.39	300
D * 9:12	* 8049.1	8045.5	7994.0	* 34.0	* 39.6	84	2700	1712	494	* 496	* 9.3	9.5	92.7	103.6	.78	.80	* 7	* 1.41	1.48	* 10.2	9.3	16.1	* 155.5	4.42	299
D * 9:13	* 8050.0	8046.1	7994.0	* 28.8	* 42.8	81	2800	1890	521	* 490	* 9.3	9.5	92.6	105.3	.78	.77	* 7	* 1.43	1.48	* 10.2	9.3	16.1	* 156.1	4.44	298
D * 9:15	* 8051.1	8048.1	7996.0	* 46.7	* 41.4	82	2900	1890	525	* 484	* 9.2	9.5	92.6	105.3	.78	.78	* 7	* 1.30	1.48	* 9.9	9.3	16.0	* 158.1	4.46	295
D * 9:16	* 8052.1	8049.1	7996.0	* 36.2	* 39.6	84	2800	1890	516	* 478	* 9.2	9.5	92.5	105.1	.78	.77	* 7	* 1.35	1.48	* 9.6	9.3	15.9	* 159.1	4.49	294
D * 9:18	* 8053.2	8050.2	7998.0	* 60.6	* 44.5	81	3000	1890	529	* 476	* 9.2	9.5	92.5	105.3	.78	.78	* 7	* 1.20	1.48	* 10.6	9.3	16.2	* 160.2	4.51	292
D * 9:20	* 8054.0	8051.0	7998.0	* 28.3	* 38.8	81	2800	1890	521	* 472	* 9.2	9.5	92.5	107.3	.78	.76	* 7	* 1.54	1.48	* 10.2	9.3	16.1	* 161.0	4.55	292
D * 9:21	* 8055.2	8052.2	8001.0	* 82.4	* 43.5	82	3000	1890	521	* 472	* 9.3	9.5	92.5	107.3	.78	.76	* 7	* 1.12	1.48	* 10.2	9.3	16.1	* 162.2	4.56	290
D * 9:23	* 8056.7	8053.7	8001.0	* 41.7	* 38.5	84	2800	1890	523	* 472	* 9.2	9.5	92.5	107.7	.78	.76	* 7	* 1.32	1.48	* 9.8	9.3	16.0	* 163.7	4.60	288
D * 9:24	* 8057.2	8054.2	8002.0	* 45.8	* 46.3	85	3000	1886	521	* 470	* 9.2	9.5	92.6	107.6	.78	.76	* 7	* 1.30	1.48	* 9.9	9.3	16.0	* 164.2	4.61	288
D * 9:26	* 8058.1	8054.2	8002.0	* 45.8	* 39.4	82	2800	1886	525	* 466	* 9.2	9.5	92.7	107.4	.78	.77	* 7	* 1.30	1.48	* 9.9	9.3	16.0	* 164.2	4.65	288
D * 9:28	* 8059.1	8056.1	8005.0	* 34.7	* 39.9	83	2800	1890	518	* 466	* 9.3	9.5	92.7	107.6	.78	.77	* 7	* 1.36	1.48	* 9.5	9.3	15.9	* 166.1	4.68	286
D * 9:29	* 8060.3	8057.3	8005.0	* 91.3	* 38.2	82	2800	1895	521	* 464	* 9.2	9.5	92.8	107.7	.78	.77	* 7	* 1.88	1.48	* 10.2	9.3	16.1	* 167.3	4.69	284
D * 9:30	* 8061.5	8057.3	8007.0	* 91.3	* 41.1	81	2900	1895	521	* 464	* 9.3	9.4	92.8	107.7	.78	.77	* 7	* 1.88	1.48	* 10.2	9.3	16.1	* 167.3	4.72	284
D * 9:32	* 8062.3	8058.5	8007.0	* 37.6	* 37.3	81	2700	1881	522	* 462	* 9.2	9.5	93.0	108.1	.78	.77	* 7	* 1.34	1.48	* 9.6	9.3	15.9	* 168.5	4.75	283
D * 9:33	* 8063.6	8060.6	8009.0	* 57.2	* 45.4	85	2900	1886	521	* 462	* 9.3	9.5	93.0	107.9	.78	.77	* 7	* 1.21	1.48	* 10.6	9.3	16.2	* 170.6	4.77	280
D * 9:35	* 8064.2	8061.2	8009.0	* 38.9	* 41.6	84	3000	1895	521	* 462	* 9.2	9.5	93.0	108.3	.78	.77	* 7	* 1.42	1.48	* 10.2	9.3	16.1	* 171.2	4.79	280
D * 9:36	* 8065.1	8062.1	8012.0	* 38.8	* 39.7	85	2800	1895	521	* 462	* 9.3	9.5	93.1	108.4	.78	.77	* 7	* 1.33	1.48	* 9.7	9.3	15.9	* 172.1	4.81	279
D * 9:38	* 8066.4	8063.4	8012.0	* 48.6	* 42.3	85	2900	1890	525	* 460	* 9.3	9.5	93.2	108.2	.78	.77	* 7	* 1.32	1.48	* 9.8	9.3	16.0	* 173.4	4.85	277
D * 9:40	* 8067.1	8064.1	8014.0	* 25.2	* 43.7	82	2900	1895	521	* 458	* 9.3	9.5	93.4	108.4	.78	.78	* 7	* 1.45	1.48	* 10.2	9.3	16.1	* 174.1	4.87	277
D * 9:40	* 8068.0	8065.0	8014.0	* 107.0	* 43.8	81	3000	1895	521	* 460	* 9.3	9.5	93.4	107.8	.78	.78	* 7	* 1.86	1.48	* 10.2	9.3	16.1	* 175.0	4.88	276
D * 9:43	* 8069.6	8066.6	8016.0	* 38.1	* 39.3	81	2900	1890	521	* 458	* 9.3	9.5	93.5	107.7	.78	.78	* 7	* 1.35	1.48	* 9.5	9.3	15.9	* 176.6	4.92	274
D * 9:43	* 8070.3	8067.3	8016.0	* 57.6	* 41.9	84	2800	1895	516	* 458	* 9.3	9.5	93.6	107.7	.78	.78	* 7	* 1.24	1.48	* 10.3	9.3	16.1	* 177.3	4.94	273
D * 9:46	* 8072.2	8068.9	8016.0	* 34.9	* 38.1	82	2800	1895	521	* 456	* 9.3	9.5	93.7	108.2	.78	.78	* 7	* 1.36	1.48	* 9.5	9.3	15.9	* 178.9	4.98	272
D * 9:48	* 8073.1	8070.1	8017.0	* 32.9	* 42.5	82	2900	1890	517	* 456	* 9.3	9.5	93.7	107.7	.78	.78	* 7	* 1.38	1.48	* 10.2	9.3	16.1	* 180.1	5.01	270
D * 9:50	* 8074.9	8071.9	8017.0	* 58.2	* 46.0	82	3200	1890	521	* 456	* 9.3	9.5	93.7	107.7	.78	.78	* 7	* 1.27	1.48	* 10.1	9.3	16.1	* 181.9	5.04	268
D * 9:50	* 8075.1	8072.1	8017.0	* 25.6	* 46.8	81	3100	1890	516	* 456	* 9.3	9.5	93.7	108.1	.78	.78	* 7	* 1.50	1.48	* 10.2	9.3	16.1	* 182.1	5.05	268
D * 9:52	* 8076.2	8073.2	8019.0	* 58.5	* 46.8	83	2900	1890	525	* 454	* 9.3	9.5	93.9	1											