

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

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

466517

TIME	MEASURED	DEPTHS			DRILLING PARAMETERS				MUD PARAMETERS		RESISTIVITY		OVERPRESSURE SURVEY			ACCUMULATED ON BIT									
		VERTCL	LAGGED	ROP	WOB	RPM	TORG	PRESS	FLOW	PIT	DENSITY	TEMPERATURE	IN	OUT	DOG	NORM	PF	ECD	FRAC	FEET	TIME	COST			
Hr:mn	feet	feet	feet	ft/h	kibs	rpm	ftlb	psi	gpm	bbls	ppg	degF	ohm	unit	ppg	ppg	ppg	ppg	feet	Dhr	¢				
D * 5:41	* 7930.6	7927.6	7896.0	* 31.8	* 30.9	80	2600	1947	525	* 430	* 9.3	9.4	85.6	101.3	.76	.75	* 7	* 1.41	1.47	* 10.2	9.3	16.0	* 32.6	1.47	952
D * 5:44	* 7931.7	7928.7	7897.0	* 29.7	* 39.1	80	2700	1937	525	* 428	* 9.3	9.3	85.0	102.7	.76	.74	* 7	* 1.52	1.47	* 10.2	9.3	16.0	* 38.7	1.52	930
D * 5:45	* 7932.3	7928.7	7897.0	* 20.7	* 39.7	82	2700	1942	525	* 426	* 9.3	9.4	85.9	103.1	.76	.73	* 7	* 1.52	1.47	* 10.2	9.3	16.0	* 38.7	1.53	936
D * 5:40	* 7933.4	7929.3	7899.0	* 40.0	* 38.5	80	2800	1937	525	* 434	* 9.3	9.4	85.8	103.7	.76	.74	* 7	* 1.35	1.47	* 9.4	9.3	15.8	* 39.3	1.58	916
D * 5:50	* 7934.1	7930.4	7900.0	* 22.0	* 39.9	80	2800	1933	525	* 442	* 9.3	9.4	85.6	103.8	.77	.74	* 7	* 1.52	1.47	* 10.2	9.3	16.0	* 40.4	1.61	897
D * 5:50	* 7935.1	7932.1	7900.0	* 90.4	* 44.2	79	3000	1937	525	* 446	* 9.3	9.4	85.5	103.9	.77	.74	* 7	* 1.13	1.47	* 10.2	9.3	16.0	* 42.1	1.62	863
D * 5:52	* 7936.2	7933.2	7902.0	* 37.2	* 40.0	82	2800	1937	530	* 456	* 9.3	9.4	85.2	103.4	.77	.75	* 7	* 1.39	1.47	* 10.2	9.4	16.0	* 43.2	1.65	844
D * 5:55	* 7937.8	7934.8	7903.0	* 30.6	* 36.6	81	2700	1928	525	* 472	* 9.3	9.5	84.6	104.1	.78	.75	* 7	* 1.42	1.47	* 10.2	9.3	16.0	* 44.0	1.71	816
D * 5:57	* 7938.0	7935.0	7903.0	* 8.9	* 38.7	84	2700	1923	525	* 478	* 9.3	9.4	84.4	103.8	.78	.75	* 7	* 1.76	1.47	* 10.2	9.3	16.0	* 45.0	1.73	816
D * 5:59	* 7939.4	7936.4	7905.0	* 43.0	* 40.0	81	2800	1923	525	* 484	* 9.2	9.4	84.0	103.9	.78	.74	* 7	* 1.32	1.47	* 9.7	9.3	15.9	* 46.4	1.76	794
D * 5:59	* 7940.0	7937.0	7905.0	* 50.7	* 36.0	83	2700	1919	527	* 488	* 9.3	9.4	83.9	104.1	.78	.75	* 7	* 1.26	1.47	* 10.2	9.3	16.0	* 47.0	1.77	785
D * 6: 1	* 7941.1	7938.1	7906.0	* 35.8	* 43.3	83	2700	1919	525	* 492	* 9.2	9.4	83.7	103.8	.78	.75	* 7	* 1.37	1.47	* 10.2	9.3	16.0	* 48.1	1.80	769
D * 6: 4	* 7942.8	7939.8	7907.0	* 31.4	* 40.6	82	2700	1914	529	* 500	* 9.2	9.5	83.2	103.8	.78	.74	* 7	* 1.44	1.47	* 10.2	9.3	16.0	* 49.8	1.86	747
D * 6: 5	* 7943.1	7940.1	7907.0	* 23.1	* 39.7	79	2700	1900	530	* 504	* 9.2	9.4	83.2	103.5	.78	.74	* 7	* 1.50	1.47	* 10.2	9.3	16.0	* 50.1	1.87	743
D * 6: 7	* 7944.1	7941.1	7908.0	* 29.6	* 45.1	80	2900	1905	525	* 510	* 9.2	9.4	83.0	103.7	.79	.76	* 7	* 1.42	1.47	* 10.2	9.3	16.0	* 51.1	1.90	732
D * 6: 9	* 7945.2	7942.1	7908.0	* 30.0	* 41.1	80	2700	1900	530	* 512	* 9.2	9.5	82.8	103.9	.79	.75	* 7	* 1.46	1.47	* 10.2	9.3	16.0	* 52.1	1.94	720
D * 6:12	* 7946.5	7943.5	7909.0	* 37.3	* 40.5	83	2700	1895	529	* 518	* 9.2	9.4	82.6	103.4	.78	.76	* 7	* 1.37	1.47	* 10.2	9.3	16.0	* 53.5	1.98	704
D * 6:12	* 7947.2	7944.2	7909.0	* 58.0	* 48.7	80	2900	1895	529	* 520	* 9.2	9.5	82.6	103.4	.79	.75	* 7	* 1.31	1.47	* 9.7	9.3	15.9	* 54.2	1.99	695
D * 6:14	* 7948.3	7945.3	7909.0	* 34.5	* 46.0	82	2700	1895	525	* 526	* 9.2	9.5	82.5	103.4	.79	.75	* 7	* 1.46	1.47	* 10.2	9.3	16.0	* 55.3	2.02	683
D * 6:16	* 7949.1	7946.1	7909.0	* 25.4	* 44.0	81	2800	1886	525	* 530	* 9.2	9.5	82.5	104.2	.79	.75	* 7	* 1.54	1.47	* 10.2	9.3	16.0	* 56.1	2.05	676
D * 6:17	* 7950.1	7947.0	7909.0	* 43.3	* 41.6	81	2800	1881	534	* 534	* 9.2	9.4	82.5	104.1	.79	.76	* 7	* 1.36	1.47	* 9.4	9.3	15.8	* 57.0	2.07	666
D * 6:20	* 7951.1	7948.1	7910.0	* 25.1	* 41.9	81	2700	1886	534	* 540	* 9.2	9.5	82.4	104.2	.79	.75	* 7	* 1.51	1.47	* 10.2	9.3	16.0	* 58.1	2.11	657
D * 6:23	* 7952.7	7949.7	7911.0	* 31.5	* 40.0	81	2800	1890	530	* 548	* 9.2	9.5	82.4	102.9	.79	.76	* 7	* 1.44	1.47	* 10.2	9.3	16.0	* 59.7	2.16	642
D * 6:23	* 7953.1	7949.7	7911.0	* 31.5	* 38.0	83	2700	1886	529	* 550	* 9.2	9.4	82.4	103.3	.79	.76	* 7	* 1.44	1.47	* 10.2	9.3	16.0	* 59.7	2.17	642
D * 6:27	* 7954.8	7951.8	7912.0	* 32.1	* 36.6	83	2600	1881	530	* 552	* 9.2	9.5	82.5	103.8	.79	.76	* 7	* 1.40	1.47	* 10.2	9.3	16.0	* 61.0	2.23	624
D * 6:27	* 7955.2	7952.2	7912.0	* 50.0	* 39.0	84	2700	1872	525	* 552	* 9.2	9.5	82.6	103.9	.78	.76	* 7	* 1.27	1.47	* 10.1	9.3	16.0	* 62.2	2.23	621
D * 6:37	* 7956.1	7953.1	7917.0	* 23.9	* 29.2	82	2600	2012	547	* 581	* 9.2	9.5	83.7	100.5	.78	.79	* 7	* 1.48	1.47	* 10.2	9.3	16.0	* 63.1	2.27	614
D * 6:37	* 7957.6	7954.6	7917.0	* 166.9	* 50.0	78	3200	2017	545	* 577	* 9.2	9.5	83.7	100.0	.78	.78	* 7	* .90	1.47	* 10.2	9.3	16.0	* 64.6	2.28	600
D * 6:38	* 7958.2	7955.0	7917.0	* 38.5	* 46.5	81	2900	2017	547	* 568	* 9.2	9.5	83.8	101.1	.78	.78	* 7	* 1.44	1.47	* 10.2	9.3	16.0	* 65.0	2.30	596
D * 6:42	* 7959.3	7955.0	7919.0	* 38.5	* 41.4	82	2700	2008	542	* 548	* 9.2	9.5	84.1	100.9	.78	.77	* 7	* 1.44	1.47	* 10.2	9.3	16.0	* 65.0	2.36	596
D * 6:43	* 7960.0	7957.0	7920.0	* 60.2	* 41.3	80	2700	2012	547	* 544	* 9.2	9.6	84.1	101.7	.78	.77	* 7	* 1.26	1.47	* 10.1	9.3	16.0	* 67.0	2.37	583
D * 6:45	* 7961.4	7957.0	7920.0	* 60.2	* 51.0	80	3000	2003	551	* 540	* 9.2	9.5	84.4	102.5	.78	.76	* 7	* 1.26	1.47	* 10.1	9.3	16.0	* 67.0	2.40	583
D * 6:46	* 7962.1	7959.1	7921.0	* 52.6	* 50.4	78	3100	2000	542	* 542	* 9.2	9.4	84.4	102.0	.78	.76	* 7	* 1.37	1.47	* 9.4	9.3	15.8	* 69.1	2.42	568
D * 6:47	* 7963.1	7960.1	7921.0	* 57.3	* 48.7	78	2900	1726	510	* 542	* 9.2	9.4	84.6	102.8	.78	.76	* 7	* 1.34	1.47	* 9.6	9.3	15.9	* 70.1	2.44	561
D * 6:49	* 7964.2	7961.2	7923.0	* 35.8	* 47.7	84	2900	1722	503	* 540	* 9.2	9.4	84.8	103.3	.78	.75	* 7	* 1.47	1.47	* 10.2	9.3	16.0	* 71.2	2.47	554
D * 6:49	* 7965.0	7961.2	7923.0	* 35.8	* 48.6	82	2900	1726	499	* 540	* 9.2	9.4	84.9	103.4	.78	.75	* 7	* 1.47	1.47	* 10.2	9.3	16.0	* 71.2	2.48	554
D * 6:51	* 7966.6	7963.6	7923.0	* 69.4	* 44.1	80	2900	1726	499	* 540	* 9.2	9.4	84.9	103.4	.78	.76	* 7	* 1.25	1.47	* 10.2	9.3	16.0	* 73.6	2.50	537
D * 6:52	* 7967.2	7964.2	7924.0	* 34.5	* 45.2	80	2900	1731	503	* 542	* 9.2	9.4	85.0	103.4	.78	.75	* 7	* 1.44	1.47	* 10.2	9.3	16.0	* 74.2	2.52	534
D * 6:54	* 7968.7	7964.2	7924.0	* 34.5	* 45.6	80	2900	1961	543	* 540	* 9.2	9.4	85.3	103.0	.78	.76	* 7	* 1.44	1.47	* 10.2	9.3	16.0	* 74.2	2.55	534
D * 6:54	* 7969.2	7965.7	7926.0	* 43.0	* 44.8	79	2800	1966	538	* 548	* 9.2	9.4	85.5	103.4	.78	.76	* 7	* 1.38	1.47	* 10.2	9.3	16.0	* 75.7	2.56	525
D * 6:57	* 7970.6	7966.2	7926.0	* 41.9	* 45.2	80	2900	1961	538	* 538	* 9.2	9.5	85.7	103.0	.78	.76	* 7	* 1.37	1.47	* 10.2	9.3	16.0	* 76.2	2.60	522
D * 6:58	* 7971.4	7968.4	7927.0	* 36.5	* 44.9	81	2700	1961	538	* 536	* 9.2	9.4	85.8	103.7	.78	.76	* 7	* 1.42	1.47	* 10.2	9.3	16.0	* 78.4	2.62	510
D * 6:59	* 7972.2	7968.4	7927.0	* 36.5	* 42.2	81	2700	1966	543	* 536	* 9.2	9.4	86.0	103.8	.78	.75	* 7	* 1.42	1.47	* 10.2	9.3	16.0	* 78.4	2.63	510
D * 7: 0	* 7973.1	7969.2	7928.0	* 50.7	* 42.9	82	2700	1942	538	* 534	* 9.2	9.5	86.1	103.7	.77	.76	* 7	* 1.31	1.47	* 9.8	9.3	15.9	* 79.2	2.66	506
D * 7: 2	* 7974.3	7971.3	7928.0	* 50.8	* 41.3	79	2700	1961	534	* 534	* 9.2	9.5	86.2	103.7	.78	.76	* 7	* 1.31	1.47	* 9.8	9.3	15.9	* 81.3	2.69	495
D * 7: 3	* 7975.2	7972.2	7928.0	* 39.4	* 42.2	81	2700	1966	537	* 532	* 9.2	9.5	86.5	103.5	.78	.76	* 7	* 1.37	1.47	* 9.4	9.3	15.8	* 82.2	2.71	491
D * 7: 5	* 7976.1	7973.1	7928.0	* 36.4	* 42.8	85	2800	1961	538	* 532	* 9.2	9.5	86.6	103.5	.78	.76	* 7	* 1.37	1.47	* 10.2	9.3	16.0	* 83.1	2.73	486
D * 7: 6	* 7977.2	7974.2	7929.0	* 40.8	* 42.5	81	2800	1966	538	* 532	* 9.2	9.5	86.6	103.7	.78	.76	* 7	* 1.37	1.47	* 9.4	9.3	15.8	* 84.2	2.76	481
D																									