

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

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

466521

* TIME	* MEASURED	* DEPTHS			* DRILLING PARAMETERS							* MUD PARAMETERS				* GAS				* OVERPRESSURE SURVEY				* ACCUMULATED ON BIT		
		* Hrs:mn	* feet	* feet	* feet	* ROP	* WOB	RPM	TORG	PRESS	FLOW	* PIT	* DENSITY	TEMPERATURE		RESISTIVITY		* DEG	NORM	* PF	ECD	FRAC	* FEET	TIME	COST	
												IN	OUT	IN	OUT	IN	OUT									
					ft/h	klbs	rpm	ftlb	psi	gpm	bbls	ppg	degF	ohm	unit	ppg	ppg	ppg	ppg	ppg	ppg	ppg	ppg	ppg	\$	
D * 11:22	* 0120.7	0125.1	0071.0	* 48.5	* 45.4	77	3000	1900	530	* 474	* 9.2	9.5	89.7	109.0	.80	.78	* 7	* 1.27	1.40	* 10.2	9.3	16.1	* 235.1	6.28	227	
D * 11:23	* 0129.2	0126.2	0071.0	* 68.6	* 45.6	80	2900	1870	525	* 492	* 9.2	9.5	89.9	108.7	.80	.78	* 7	* 1.19	1.40	* 10.8	9.3	16.2	* 236.2	6.29	226	
D * 11:25	* 0130.5	0127.5	0073.0	* 31.8	* 43.9	80	2800	1905	530	* 494	* 9.2	9.5	90.2	107.0	.80	.79	* 7	* 1.41	1.40	* 10.2	9.3	16.1	* 237.5	6.33	225	
D * 11:26	* 0131.2	0127.5	0073.0	* 31.8	* 41.0	82	2800	1900	527	* 474	* 9.2	9.6	90.4	108.5	.80	.78	* 7	* 1.41	1.40	* 10.2	9.3	16.1	* 237.5	6.34	225	
D * 11:28	* 0132.5	0129.5	0076.0	* 43.2	* 46.4	81	3000	1905	526	* 476	* 9.3	9.5	90.7	108.3	.80	.78	* 7	* 1.36	1.40	* 9.5	9.3	15.9	* 239.5	6.37	224	
D * 11:29	* 0133.5	0129.5	0076.0	* 43.2	* 44.9	83	3100	1909	530	* 478	* 9.3	9.6	90.8	107.9	.80	.78	* 7	* 1.36	1.40	* 9.5	9.3	15.9	* 239.5	6.39	224	
D * 11:30	* 0134.3	0131.3	0076.0	* 34.6	* 45.5	82	3200	1909	525	* 476	* 9.2	9.6	91.1	108.1	.80	.78	* 7	* 1.39	1.40	* 10.2	9.3	16.1	* 241.3	6.42	223	
D * 11:32	* 0135.6	0132.6	0077.0	* 45.6	* 42.7	78	3100	1900	525	* 474	* 9.3	9.6	91.3	108.0	.80	.78	* 7	* 1.29	1.40	* 10.1	9.3	16.1	* 242.6	6.45	222	
D * 11:34	* 0136.5	0133.5	0077.0	* 39.2	* 45.6	78	3200	1905	528	* 476	* 9.3	9.6	91.5	107.7	.80	.78	* 7	* 1.33	1.40	* 9.7	9.3	16.0	* 243.5	6.47	222	
D * 11:35	* 0137.6	0133.5	0078.0	* 39.2	* 40.7	78	3000	1895	525	* 474	* 9.3	9.6	91.6	107.7	.79	.79	* 7	* 1.33	1.40	* 9.7	9.3	16.0	* 243.5	6.49	222	
D * 11:36	* 0138.2	0135.2	0078.0	* 40.2	* 41.1	81	2800	1900	524	* 492	* 9.3	9.6	91.9	107.7	.80	.78	* 7	* 1.31	1.40	* 9.9	9.3	16.0	* 245.2	6.51	221	
D * 11:42	* 0139.7	0135.2	0079.0	* 40.2	* 16.9	75	2100	1673	470	* 506	* 9.3	9.6	92.4	107.7	.80	.78	* 7	* 1.31	1.40	* 9.9	9.3	16.0	* 245.2	6.52	221	
D * 11:43	* 0140.1	0136.7	0079.0	* 32.4	* 42.6	80	2900	1731	499	* 502	* 9.3	9.6	92.3	105.7	.80	.80	* 7	* .96	1.40	* 10.2	9.3	16.1	* 246.7	6.54	220	
D * 11:45	* 0141.0	0138.0	0082.0	* 54.5	* 47.0	87	3400	1731	499	* 474	* 9.3	9.6	92.2	106.4	.80	.79	* 7	* 1.26	1.40	* 10.2	9.3	16.1	* 248.0	6.57	219	
D * 11:45	* 0142.1	0138.0	0082.0	* 54.5	* 46.2	86	3100	1722	494	* 492	* 9.3	9.6	92.2	106.4	.80	.79	* 7	* 1.26	1.40	* 10.2	9.4	16.1	* 248.0	6.58	219	
D * 11:46	* 0143.1	0140.1	0082.0	* 112.9	* 46.2	87	3200	1726	499	* 470	* 9.3	9.5	92.1	105.3	.80	.80	* 7	* 1.06	1.40	* 10.2	9.3	16.1	* 250.1	6.59	218	
D * 11:48	* 0144.0	0140.1	0084.0	* 112.9	* 49.1	87	3500	1797	505	* 488	* 9.3	9.6	92.1	105.7	.80	.79	* 7	* 1.06	1.40	* 10.2	9.3	16.1	* 250.1	6.62	218	
D * 11:49	* 0145.0	0141.0	0084.0	* 33.7	* 46.5	88	3000	1801	508	* 486	* 9.3	9.6	92.0	107.5	.80	.78	* 7	* 1.42	1.40	* 10.2	9.3	16.1	* 251.0	6.63	217	
D * 11:51	* 0146.0	0143.0	0085.0	* 51.9	* 47.3	88	3300	1801	512	* 484	* 9.3	9.6	92.1	107.5	.80	.78	* 7	* 1.29	1.40	* 10.0	9.3	16.0	* 253.0	6.67	216	
D * 11:51	* 0147.1	0143.0	0085.0	* 51.9	* 47.5	87	3100	1801	508	* 482	* 9.3	9.5	92.1	107.3	.80	.78	* 7	* 1.29	1.40	* 10.0	9.3	16.0	* 253.0	6.68	216	
D * 11:54	* 0148.3	0144.1	0088.0	* 26.1	* 46.9	89	3000	1947	519	* 480	* 9.3	9.6	92.2	108.5	.80	.77	* 7	* 1.52	1.40	* 10.2	9.3	16.1	* 254.1	6.72	216	
D * 11:54	* 0149.4	0145.3	0088.0	* 31.5	* 49.6	85	3400	1947	522	* 482	* 9.3	9.6	92.2	108.0	.80	.77	* 7	* 1.45	1.40	* 10.2	9.4	16.1	* 255.3	6.72	215	
D * 11:56	* 0150.1	0147.1	0088.0	* 32.0	* 47.9	85	3400	1937	528	* 478	* 9.3	9.6	92.3	108.5	.80	.77	* 7	* 1.47	1.40	* 10.2	9.3	16.1	* 257.1	6.75	214	
D * 11:58	* 0151.1	0148.1	0090.0	* 27.4	* 34.7	87	3200	1947	530	* 476	* 9.3	9.5	92.5	108.5	.79	.78	* 7	* 1.46	1.40	* 10.2	9.3	16.1	* 258.1	6.78	214	
D * 11:59	* 0152.3	0149.3	0092.0	* 45.7	* 32.5	86	3100	1942	529	* 476	* 9.3	9.6	92.6	108.5	.79	.78	* 7	* 1.23	1.40	* 10.5	9.3	16.2	* 259.3	6.81	213	
D * 12: 0	* 0153.2	0149.3	0092.0	* 45.7	* 35.4	87	3200	1933	525	* 476	* 9.3	9.5	92.6	108.5	.80	.78	* 7	* 1.23	1.40	* 10.5	9.3	16.2	* 259.3	6.81	213	
D * 12: 2	* 0154.3	0151.3	0092.0	* 42.1	* 34.7	87	3000	1947	530	* 474	* 9.3	9.6	92.8	108.5	.80	.79	* 7	* 1.25	1.40	* 10.3	9.3	16.1	* 261.3	6.84	212	
D * 12: 2	* 0155.2	0152.2	0094.0	* 58.7	* 35.8	87	3300	1947	534	* 474	* 9.3	9.6	92.9	108.4	.80	.78	* 7	* 1.16	1.40	* 10.2	9.3	16.1	* 262.2	6.85	211	
D * 12: 4	* 0156.1	0153.1	0094.0	* 38.9	* 33.3	85	3300	1942	530	* 470	* 9.3	9.6	93.0	108.9	.80	.78	* 7	* 1.27	1.40	* 10.2	9.3	16.1	* 263.1	6.88	211	
D * 12: 6	* 0157.0	0153.1	0096.0	* 38.9	* 34.7	85	3100	1933	530	* 470	* 9.3	9.6	93.0	109.0	.80	.78	* 7	* 1.27	1.40	* 10.2	9.3	16.1	* 263.1	6.91	211	
D * 12: 6	* 0158.1	0154.0	0096.0	* 49.1	* 35.4	88	3200	1937	530	* 470	* 9.3	9.6	93.1	109.0	.80	.78	* 7	* 1.22	1.40	* 10.6	9.3	16.2	* 264.8	6.92	210	
D * 12: 8	* 0159.2	0156.2	0099.0	* 31.6	* 33.7	86	3200	1942	530	* 468	* 9.3	9.6	93.2	108.1	.79	.79	* 7	* 1.33	1.40	* 9.8	9.3	16.0	* 266.2	6.95	210	
D * 12: 9	* 0160.5	0157.5	0099.0	* 34.2	* 34.1	87	3100	1933	525	* 468	* 9.3	9.5	93.2	108.0	.79	.79	* 7	* 1.01	1.40	* 10.2	9.3	16.1	* 267.5	6.97	209	
D * 12:11	* 0161.0	0158.0	0101.0	* 45.4	* 32.0	91	3200	1942	525	* 468	* 9.3	9.6	93.3	108.6	.79	.79	* 7	* 1.21	1.40	* 10.6	9.4	16.2	* 268.0	7.00	208	
D * 12:12	* 0162.0	0159.0	0101.0	* 8.0	* 33.6	87	3100	1947	525	* 470	* 9.3	9.6	93.3	108.5	.79	.79	* 7	* 1.70	1.40	* 10.2	9.4	16.1	* 269.0	7.02	208	
D * 12:13	* 0163.3	0160.3	0101.0	* 106.0	* 34.6	86	3300	1942	530	* 472	* 9.3	9.5	93.2	108.4	.79	.79	* 7	* .98	1.40	* 10.2	9.4	16.1	* 270.3	7.03	207	
D * 12:14	* 0164.4	0161.4	0104.0	* 73.4	* 31.0	87	3100	1937	530	* 474	* 9.3	9.6	93.2	108.4	.79	.79	* 7	* 1.06	1.40	* 10.2	9.3	16.1	* 271.4	7.05	207	
D * 12:16	* 0165.2	0162.2	0104.0	* 22.4	* 34.2	86	3200	1947	530	* 476	* 9.3	9.6	93.0	107.6	.80	.79	* 7	* 1.39	1.40	* 10.2	9.4	16.1	* 272.2	7.08	207	
D * 12:17	* 0166.1	0163.1	0104.0	* 107.5	* 36.0	86	3300	1947	532	* 478	* 9.3	9.6	92.9	107.6	.80	.79	* 7	* .98	1.40	* 10.2	9.3	16.1	* 273.1	7.09	206	
D * 12:18	* 0167.0	0164.0	0106.0	* 28.6	* 33.9	88	2900	1942	530	* 478	* 9.3	9.6	92.6	108.1	.80	.79	* 7	* 1.34	1.40	* 9.7	9.3	16.0	* 274.0	7.12	206	
D * 12:21	* 0168.1	0165.1	0108.0	* 27.9	* 30.6	86	2900	1942	525	* 488	* 9.3	9.6	92.3	108.2	.81	.79	* 7	* 1.32	1.40	* 9.8	9.3	16.0	* 275.1	7.16	206	
D * 12:22	* 0169.2	0166.2	0108.0	* 65.5	* 33.9	87	3100	1947	529	* 482	* 9.3	9.6	92.2	108.5	.81	.79	* 7	* 1.10	1.40	* 10.2	9.3	16.1	* 276.2	7.18	205	
D * 12:23	* 0170.1	0166.2	0109.0	* 65.5	* 34.2	90	2900	1942	530	* 482	* 9.3	9.6	91.9	107.7	.81	.79	* 7	* 1.10	1.40	* 10.2	9.4	16.1	* 276.2	7.20	205	
D * 12:34	* 0171.4	0168.4	0111.0	* 28.2	* 32.8	87	3000	1956	534	* 500	* 9.2	9.6	90.7	106.2	.82	.80	* 7	* 1.37	1.49	* 9.5	9.3	15.9	* 278.4	7.26	204	
D * 12:39	* 0172.6	0169.6	0116.0	* 16.3	* 28.0	89	3100	1956	534	* 476	* 9.2	9.6	90.1	107.6	.82	.79	* 7	* 1.44	1.49	* 10.2	9.3	16.1	* 279.6	7.34	205	
D * 12:39	* 0173.3	0169.6	0116.0	* 16.3	* 27.3	87	3000	1951	530	* 476	* 9.2	9.6	90.1	108.2	.82	.79	* 7	* 1.44	1.49	* 10.2	9.3	16.1	* 279.6	7.35	205	
D * 12:41	* 0174.5	0171.5	0118.0	* 53.7	* 33.5	87	3200	1951	530	* 478	* 9.2	9.6	89.8	108.9	.82	.79	* 7	* 1.13	1.49							