

* BIT # 21 SMITH F2 BIT DIAMETER : 12.25 inch NOZZ 16/16/16										MUD RHEOLOGICAL PARAMETERS : PV = 13 YP = 14 GEL = 5 *															
* TIME * MEASURED		* DEPTHS * VERTCL LAGGED * ROP * WOB			* DRILLING PARAMETERS * RPM TORQ PRESS FLOW * PIT * DENSITY					* MUD PARAMETERS * TEMPERATURE RESISTIVITY * GAS * OVERPRESSURE SURVEY				* ACCUMULATED ON BIT * FEET TIME COST											
* Hr:min	* feet	* feet	* feet	* ft/h	* klbs	rpm	ftlb	psi	gpm	* bbls	* IN	* OUT	* IN	* OUT	* unit	* DCS	* NGRH	* PF	* ECD	* FRAC	* FEET	* TIME	* COST		
D * 12:46	* 8177.7	8174.4	8120.0	* 41.7	* 30.0	89	3100	1947	530	* 502	* 9.2	9.6	89.6	109.0	.83	.79	* 7	* 1.22	1.49	* 10.6	9.3	16.2	* 204.4	7.46	203 *
D * 12:46	* 8170.3	8174.4	8120.0	* 41.7	* 30.9	88	3100	1947	530	* 504	* 9.2	9.6	89.6	108.5	.83	.80	* 7	* 1.22	1.49	* 10.6	9.3	16.2	* 204.4	7.46	203 *
D * 12:47	* 8179.0	8175.3	8123.0	* 69.7	* 32.0	87	3100	1951	530	* 504	* 9.2	9.6	89.6	108.9	.83	.80	* 7	* 1.08	1.49	* 10.2	9.3	16.1	* 205.3	7.40	202 *
D * 12:48	* 8180.0	8177.0	8123.0	* 92.8	* 32.5	86	3100	1956	530	* 506	* 9.2	9.6	89.6	108.1	.83	.80	* 7	* .99	1.49	* 10.2	9.3	16.1	* 207.0	7.49	201 *
D * 12:49	* 8181.3	8178.3	8123.0	* 49.5	* 32.7	88	3200	1947	530	* 506	* 9.2	9.5	89.6	108.0	.83	.80	* 7	* 1.17	1.49	* 10.2	9.3	16.1	* 200.3	7.52	201 *
D * 12:52	* 8182.2	8178.3	8124.0	* 49.5	* 33.1	88	2900	1947	530	* 500	* 9.2	9.6	89.5	108.5	.83	.81	* 7	* 1.17	1.49	* 10.2	9.3	16.1	* 200.3	7.56	201 *
D * 12:52	* 8183.1	8180.0	8124.0	* 92.4	* 32.4	87	3000	1951	534	* 500	* 9.2	9.6	89.5	108.2	.83	.80	* 7	* 1.00	1.49	* 10.2	9.3	16.1	* 200.0	7.57	200 *
D * 12:54	* 8184.3	8181.3	8126.0	* 48.7	* 28.2	86	3000	1951	534	* 510	* 9.2	9.6	89.6	107.2	.83	.81	* 7	* 1.22	1.49	* 10.6	9.3	16.2	* 291.3	7.60	200 *
D * 12:55	* 8185.2	8182.2	8126.0	* 47.6	* 28.6	87	3000	1947	530	* 512	* 9.2	9.6	89.6	108.4	.83	.80	* 7	* 1.16	1.49	* 10.2	9.3	16.1	* 292.2	7.62	199 *
D * 12:56	* 8186.6	8182.2	8128.0	* 47.6	* 30.6	89	3100	1947	531	* 512	* 9.2	9.6	89.5	108.5	.83	.80	* 7	* 1.16	1.49	* 10.2	9.3	16.1	* 292.2	7.62	199 *
D * 12:58	* 8187.6	8184.6	8128.0	* 37.6	* 30.6	88	3200	1951	534	* 512	* 9.2	9.6	89.5	108.0	.83	.81	* 7	* 1.21	1.49	* 10.6	9.3	16.2	* 294.6	7.65	198 *
D * 12:59	* 8188.0	8185.0	8130.0	* 57.4	* 30.3	86	3000	1942	530	* 512	* 9.2	9.5	89.6	108.1	.83	.81	* 7	* 1.14	1.49	* 10.2	9.3	16.1	* 295.8	7.67	197 *
D * 13: 0	* 8189.5	8185.8	8130.0	* 52.4	* 29.5	86	3100	1942	532	* 512	* 9.2	9.6	89.5	108.1	.83	.80	* 7	* 1.14	1.49	* 10.2	9.3	16.1	* 295.8	7.70	197 *
D * 13: 1	* 8190.2	8187.2	8130.0	* 55.5	* 32.5	88	3200	1947	530	* 514	* 9.2	9.6	89.6	107.7	.83	.81	* 7	* 1.15	1.49	* 10.2	9.3	16.1	* 297.2	7.71	197 *
D * 13: 2	* 8191.1	8188.1	8133.0	* 50.3	* 30.7	87	3100	1942	525	* 514	* 9.2	9.6	89.5	107.1	.83	.81	* 7	* 1.17	1.49	* 10.2	9.3	16.1	* 298.1	7.73	197 *
D * 13: 5	* 8192.1	8189.1	8135.0	* 24.2	* 33.2	86	3100	1937	530	* 516	* 9.2	9.5	89.5	107.3	.84	.81	* 7	* 1.39	1.49	* 10.2	9.3	16.1	* 299.1	7.77	196 *
D * 13: 5	* 8193.1	8190.1	8135.0	* 98.9	* 33.4	87	3100	1937	537	* 516	* 9.2	9.6	89.5	107.3	.84	.80	* 7	* 1.03	1.49	* 10.2	9.3	16.1	* 300.1	7.79	196 *
D * 13: 6	* 8194.2	8191.2	8135.0	* 109.5	* 32.2	86	3100	1942	525	* 518	* 9.2	9.6	89.5	107.7	.84	.80	* 7	* .97	1.49	* 10.2	9.3	16.1	* 301.2	7.79	195 *
D * 13: 8	* 8195.1	8192.1	8137.0	* 25.0	* 33.1	89	3100	1942	534	* 518	* 9.2	9.6	89.4	107.3	.84	.80	* 7	* 1.36	1.49	* 9.5	9.3	15.9	* 302.1	7.82	195 *
D * 13:11	* 8196.1	8192.1	8139.0	* 25.0	* 34.2	86	3100	1937	534	* 522	* 9.2	9.6	89.4	107.5	.84	.81	* 7	* 1.36	1.49	* 9.5	9.3	15.9	* 302.1	7.86	195 *
D * 13:11	* 8197.3	8194.3	8139.0	* 96.2	* 32.0	91	3100	1937	530	* 522	* 9.2	9.6	89.3	107.3	.84	.81	* 7	* 1.00	1.49	* 10.2	9.3	16.1	* 304.3	7.88	194 *
D * 13:13	* 8198.2	8195.2	8139.0	* 37.7	* 33.4	88	3100	1937	534	* 524	* 9.2	9.7	89.2	106.4	.84	.81	* 7	* 1.25	1.49	* 10.4	9.3	16.1	* 305.2	7.90	194 *
D * 13:14	* 8199.1	8196.1	8141.0	* 53.4	* 31.7	89	3200	1942	525	* 524	* 9.2	9.7	89.2	106.7	.84	.80	* 7	* 1.16	1.49	* 10.2	9.3	16.1	* 306.1	7.92	194 *
D * 13:16	* 8200.3	8197.3	8141.0	* 37.4	* 33.6	87	3100	1933	530	* 528	* 9.2	9.6	89.2	107.3	.84	.80	* 7	* 1.27	1.49	* 10.2	9.3	16.1	* 307.3	7.95	193 *
D * 13:17	* 8201.6	8198.6	8144.0	* 58.6	* 34.6	87	3200	1933	535	* 530	* 9.2	9.7	89.1	108.0	.84	.80	* 7	* 1.19	1.49	* 10.8	9.3	16.2	* 308.6	7.97	193 *
D * 13:19	* 8202.0	8198.6	8144.0	* 58.6	* 33.9	86	3200	1933	534	* 530	* 9.2	9.6	89.1	107.3	.84	.80	* 7	* 1.41	1.49	* 10.2	9.3	16.1	* 309.0	7.99	193 *
D * 13:20	* 8203.6	8200.6	8146.0	* 78.5	* 35.8	45	400	1919	530	* 534	* 9.2	9.6	89.1	107.6	.84	.79	* 7	* 1.07	1.49	* 10.2	9.3	16.1	* 310.6	8.01	192 *
D * 13:27	* 8205.4	8202.4	8148.0	* 148.0	* 32.4	89	3000	1919	531	* 564	* 9.2	9.6	89.0	106.7	.84	.80	* 7	* .75	1.49	* 10.2	9.3	16.1	* 312.4	8.02	191 *
D * 13:28	* 8206.3	8202.4	8148.0	* 148.0	* 32.4	93	3200	1942	534	* 560	* 9.2	9.7	89.0	104.6	.84	.83	* 7	* .75	1.49	* 10.2	9.3	16.1	* 312.4	8.03	191 *
D * 13:29	* 8207.0	8204.0	8150.0	* 34.7	* 36.0	96	3200	1942	534	* 556	* 9.2	9.7	88.0	103.7	.84	.82	* 7	* 1.33	1.49	* 9.8	9.3	16.0	* 314.0	8.06	190 *
D * 13:31	* 8208.1	8205.1	8150.0	* 48.0	* 34.8	91	3300	1937	534	* 550	* 9.2	9.6	88.0	104.7	.84	.81	* 7	* 1.24	1.49	* 10.4	9.3	16.2	* 315.1	8.08	190 *
D * 13:31	* 8210.7	8207.7	8153.0	* 184.0	* 33.7	91	3200	1942	537	* 550	* 9.2	9.7	88.0	104.3	.84	.81	* 7	* .85	1.49	* 10.2	9.3	16.1	* 317.7	8.09	189 *
D * 13:35	* 8211.5	8208.5	8155.0	* 15.1	* 34.9	93	3500	1942	537	* 540	* 9.2	9.6	88.5	105.7	.84	.79	* 7	* 1.53	1.49	* 10.2	9.2	16.1	* 318.5	8.15	189 *
D * 13:35	* 8212.3	8209.3	8155.0	* 72.7	* 33.1	91	3300	1942	534	* 540	* 9.2	9.6	88.4	105.2	.84	.80	* 7	* 1.10	1.49	* 10.2	9.3	16.1	* 319.3	8.16	188 *
D * 13:38	* 8213.6	8210.6	8157.0	* 26.1	* 34.4	93	3100	1937	534	* 550	* 9.2	9.6	88.4	106.5	.84	.79	* 7	* 1.30	1.49	* 9.4	9.3	15.9	* 320.6	8.21	188 *
D * 13:41	* 8214.0	8211.0	8159.0	* 12.0	* 38.3	95	3000	1933	539	* 552	* 9.2	9.6	88.2	106.1	.84	.79	* 7	* 1.59	1.49	* 10.2	9.3	16.1	* 321.0	8.24	188 *
D * 13:43	* 8215.2	8211.0	8159.0	* 12.0	* 36.8	100	3400	1923	539	* 554	* 9.2	9.5	88.2	105.8	.84	.80	* 7	* 1.59	1.49	* 10.2	9.3	16.1	* 321.0	8.29	188 *
D * 13:44	* 8216.0	8213.0	8162.0	* 78.3	* 31.7	96	3300	1928	539	* 556	* 9.2	9.6	88.1	105.5	.84	.80	* 7	* 1.13	1.49	* 10.2	9.3	16.1	* 323.0	8.30	188 *
D * 13:45	* 8217.4	8213.0	8162.0	* 78.3	* 31.9	95	3300	1923	534	* 556	* 9.2	9.6	88.1	105.1	.84	.80	* 7	* 1.13	1.49	* 10.2	9.3	16.1	* 323.0	8.32	188 *
D * 13:47	* 8218.4	8215.4	8164.0	* 44.8	* 38.5	92	3200	1933	534	* 558	* 9.2	9.5	88.1	105.1	.84	.80	* 7	* 1.22	1.49	* 10.6	9.3	16.2	* 325.4	8.35	187 *
D * 13:48	* 8219.0	8216.0	8164.0	* 23.8	* 33.3	92	3200	1923	534	* 558	* 9.2	9.6	88.1	104.3	.84	.81	* 7	* 1.42	1.49	* 10.2	9.3	16.1	* 326.0	8.37	187 *
D * 13:50	* 8220.7	8217.7	8166.0	* 65.9	* 33.3	93	3300	1928	534	* 562	* 9.2	9.6	88.0	104.3	.84	.81	* 7	* 1.14	1.49	* 10.2	9.3	16.1	* 327.7	8.40	186 *
D * 13:51	* 8221.9	8218.9	8166.0	* 47.5	* 31.5	94	3300	1928	534	* 562	* 9.2	9.6	88.0	104.1	.84	.81	* 7	* 1.21	1.49	* 10.6	9.3	16.2	* 328.9	8.42	186 *
D * 13:52	* 8222.5	8218.9	8166.0	* 47.5	* 33.6	94	3400	1923	534	* 562	* 9.2	9.6	88.0	104.0	.84	.80	* 7	* 1.21	1.49	* 10.6	9.3	16.2	* 328.9	8.43	186 *
D * 13:53	* 8223.0	8220.0	8168.0	* 32.4	* 35.4	94	3300	1919	539	* 562	* 9.2	9.5	87.9	104.1	.84	.80	* 7	* 1.33	1.49	* 9.8	9.3	16.0	* 330.0	8.45	186 *
D * 13:54	* 8224.4	8221.4	8168.0	* 68.5	* 32.1	93	3300	1919	534	* 564	* 9.2	9.6	87.9	103.8	.84	.81	* 7	* 1.15	1.49	* 10.2	9.3	16.1	* 331.4	8.48	185 *
D * 13:56	* 8225.4	8222.4	8170.0	* 35.0	* 32.8	95	3300	1923	531	* 566	* 9.2	9.6	87.8	104.0	.84	.80	* 7	* 1.29	1.49	* 10.1	9.3	16.1	* 332.4	8.50	185 *
D * 13:57	* 8226.0	8223.0	8170.0	* 48.6	* 29.4	95	3200	1923	534	* 566	* 9.2	9.6	87.8	103.9	.84	.81	* 7	* 1.24	1.49	* 10.5	9.3	16.2	* 333.0	8.52	185 *
D * 13:59	* 8227.5	8224.5	8170.0	* 43.3	* 35.9	95	3300	19																	