

* BIT # 22 SMITH F3 BIT DIAMETER : 12.25 inch NOZZ 16/16/16

MUD RHEOLOGICAL PARAMETERS : PV = 14 YP = 13 GEL = 4 *

TIME	MEASURED	DEPTHS			DRILLING PARAMETERS				MUD PARAMETERS				GAS				OVERPRESSURE SURVEY			ACCUMULATED ON BIT					
		VERTCL	LAGGED	ROP	WOB	RPM	TORG	PRESS	FLOW	PIT	DENSITY	TEMPERATURE	RESISTIVITY	GAS	DCS	NORM	PF	ECD	FRAC	FEET	TIME	COST			
Hr:mn	feet	feet	feet	ft/h	kls	rpm	ftlb	psi	gpm	bbls	ppg	degF	IN	OUT	OHMM	unit	ppg	ppg	ppg	feet	Dhr	\$			
D * 22: 5	* 8882.1	8879.1	8820.0	* 72.9	* 30.0	89	3600	1876	512	* 454	* 9.3	9.5	87.7	102.2	.99	.99	* 7	* 1.13	1.54	* 10.0	9.4	16.3	* 446.9	11.26	160
D * 22: 7	* 8883.1	8879.1	8820.0	* 72.9	* 40.3	91	3400	1867	512	* 450	* 9.3	9.5	87.8	102.2	.99	.99	* 7	* 1.13	1.54	* 10.0	9.3	16.3	* 446.9	11.30	160
D * 22: 8	* 8884.2	8880.1	8822.0	* 21.6	* 38.2	92	3400	1867	512	* 452	* 9.3	9.5	87.8	102.2	.99	.99	* 7	* 1.47	1.54	* 10.0	9.4	16.3	* 447.9	11.31	160
D * 22:10	* 8885.0	8881.2	8822.0	* 103.5	* 41.3	88	3500	1862	512	* 448	* 9.3	9.5	87.9	102.1	.99	.99	* 7	* 1.02	1.54	* 10.0	9.3	16.3	* 449.0	11.35	160
D * 22:11	* 8886.0	8883.0	8822.0	* 113.8	* 36.1	91	3400	1862	516	* 450	* 9.3	9.5	87.9	102.1	.99	1.00	* 7	* .99	1.54	* 10.0	9.4	16.3	* 450.0	11.36	159
D * 22:13	* 8887.9	8884.9	8825.0	* 39.3	* 37.3	91	3500	1862	510	* 446	* 9.3	9.5	88.1	102.6	.99	1.00	* 7	* 1.30	1.54	* 10.4	9.4	16.3	* 452.7	11.41	159
D * 22:15	* 8888.4	8885.4	8828.0	* 25.8	* 40.5	92	3500	1858	512	* 448	* 9.3	9.5	88.0	102.4	.99	1.00	* 7	* 1.41	1.54	* 9.6	9.4	16.2	* 453.2	11.43	159
D * 22:15	* 8889.1	8886.1	8828.0	* 100.3	* 38.4	89	3500	1862	511	* 448	* 9.3	9.5	88.1	102.2	.99	1.00	* 7	* 1.03	1.54	* 10.0	9.4	16.3	* 454.0	11.43	159
D * 22:23	* 8890.8	8887.8	8829.0	* 17.5	* 44.8	89	3400	1848	512	* 454	* 9.3	9.4	88.2	102.3	.99	1.00	* 7	* 1.48	1.54	* 10.0	9.4	16.3	* 454.8	11.48	159
D * 22:24	* 8891.1	8888.1	8830.0	* 49.7	* 38.5	92	3500	1853	508	* 450	* 9.3	9.4	88.2	102.5	.99	1.00	* 7	* 1.23	1.54	* 10.0	9.4	16.3	* 455.9	11.50	159
D * 22:26	* 8892.2	8889.2	8830.0	* 38.7	* 38.4	90	3700	1858	512	* 446	* 9.3	9.4	88.2	101.7	.99	1.00	* 7	* 1.31	1.54	* 10.3	9.4	16.3	* 457.0	11.53	159
D * 22:27	* 8893.4	8889.2	8830.0	* 38.7	* 36.9	89	3500	1853	514	* 444	* 9.3	9.5	88.2	100.7	1.00	1.02	* 7	* 1.31	1.54	* 10.3	9.4	16.3	* 457.0	11.55	159
D * 22:28	* 8894.1	8891.1	8832.0	* 30.0	* 37.9	89	3500	1853	507	* 440	* 9.3	9.5	88.2	101.6	.99	1.00	* 7	* 1.30	1.54	* 9.8	9.3	16.2	* 458.9	11.58	158
D * 22:29	* 8895.0	8892.0	8832.0	* 53.6	* 36.4	88	3500	1853	508	* 438	* 9.3	9.4	88.3	102.3	.99	1.00	* 7	* 1.19	1.54	* 10.0	9.4	16.3	* 459.8	11.59	158
D * 22:31	* 8896.0	8893.0	8835.0	* 42.7	* 39.7	91	3300	1853	512	* 438	* 9.3	9.4	88.2	103.2	1.00	.99	* 7	* 1.25	1.54	* 10.7	9.4	16.4	* 460.8	11.62	158
D * 22:32	* 8897.4	8894.4	8835.0	* 58.2	* 37.5	93	3600	1853	508	* 434	* 9.3	9.4	88.2	102.4	1.00	1.00	* 7	* 1.17	1.54	* 10.0	9.3	16.3	* 462.2	11.64	158
D * 22:34	* 8898.2	8894.4	8835.0	* 58.2	* 37.2	92	3500	1848	508	* 432	* 9.3	9.4	88.2	102.9	1.00	1.00	* 7	* 1.17	1.54	* 10.0	9.4	16.3	* 462.2	11.67	158
D * 22:36	* 8899.7	8896.7	8837.0	* 34.8	* 38.8	91	3500	1914	508	* 430	* 9.3	9.4	88.3	103.0	1.00	1.00	* 7	* 1.32	1.54	* 10.2	9.4	16.3	* 464.5	11.71	157
D * 22:38	* 8900.1	8896.7	8837.0	* 34.8	* 40.0	89	3700	1933	519	* 438	* 9.3	9.4	88.3	103.0	1.00	1.00	* 7	* 1.32	1.54	* 10.2	9.4	16.3	* 464.5	11.73	157
D * 22:38	* 8901.0	8898.0	8839.0	* 97.8	* 38.4	89	3600	1937	521	* 428	* 9.3	9.4	88.3	103.2	1.00	1.00	* 7	* 1.02	1.54	* 10.0	9.4	16.3	* 465.8	11.74	157
D * 22:39	* 8902.1	8899.1	8839.0	* 48.8	* 40.7	88	3600	1937	521	* 428	* 9.3	9.4	88.3	103.0	1.00	1.00	* 7	* 1.24	1.54	* 10.0	9.4	16.3	* 466.9	11.76	157
D * 22:42	* 8903.2	8900.2	8841.0	* 32.1	* 37.7	89	3600	1933	517	* 428	* 9.3	9.4	88.4	103.3	1.00	1.00	* 7	* 1.35	1.54	* 10.0	9.4	16.3	* 468.1	11.79	157
D * 22:43	* 8904.2	8901.0	8841.0	* 68.8	* 40.7	89	3600	1933	516	* 426	* 9.3	9.4	88.4	103.4	1.00	1.00	* 7	* 1.15	1.54	* 10.0	9.4	16.3	* 468.8	11.81	157
D * 22:44	* 8905.7	8902.7	8841.0	* 58.1	* 37.8	89	3700	1937	521	* 424	* 9.3	9.3	88.5	103.3	1.00	1.01	* 7	* 1.19	1.54	* 10.0	9.3	16.3	* 470.5	11.84	156
D * 22:45	* 8906.8	8903.8	8842.0	* 66.7	* 40.8	89	3700	1937	521	* 424	* 9.3	9.4	88.5	103.3	1.00	1.00	* 7	* 1.16	1.54	* 10.0	9.4	16.3	* 470.8	11.84	156
D * 22:46	* 8907.1	8903.8	8842.0	* 66.7	* 38.2	88	3500	1947	521	* 424	* 9.3	9.4	88.6	103.3	1.00	1.00	* 7	* 1.16	1.54	* 10.0	9.4	16.3	* 470.8	11.87	156
D * 22:48	* 8908.1	8904.1	8845.0	* 34.1	* 36.6	88	2800	1942	521	* 420	* 9.3	9.4	88.6	103.4	1.00	1.00	* 7	* 1.35	1.54	* 10.0	9.4	16.3	* 471.9	11.90	156
D * 22:49	* 8909.5	8906.5	8845.0	* 135.2	* 39.5	89	3100	1937	521	* 422	* 9.3	9.4	88.7	103.0	1.00	1.00	* 7	* .94	1.55	* 10.0	9.4	16.3	* 474.3	11.91	156
D * 22:50	* 8910.4	8907.4	8845.0	* 46.7	* 39.6	89	2900	1937	521	* 418	* 9.3	9.3	88.7	102.9	1.00	1.01	* 7	* 1.24	1.55	* 10.0	9.4	16.3	* 475.2	11.93	156
D * 22:52	* 8911.2	8907.4	8847.0	* 46.7	* 39.5	89	2800	1933	521	* 418	* 9.3	9.4	88.8	102.6	1.00	1.01	* 7	* 1.24	1.55	* 10.0	9.4	16.3	* 475.2	11.97	156
D * 22:53	* 8912.7	8909.1	8847.0	* 58.5	* 40.7	89	2800	1933	521	* 418	* 9.3	9.4	88.8	103.0	1.00	1.00	* 7	* 1.21	1.55	* 10.0	9.4	16.3	* 476.9	11.99	155
D * 22:55	* 8913.1	8910.1	8849.0	* 38.8	* 36.3	90	2800	1947	521	* 414	* 9.3	9.3	88.9	102.7	1.01	1.01	* 7	* 1.31	1.55	* 10.3	9.3	16.3	* 477.9	12.01	155
D * 22:55	* 8914.2	8911.2	8849.0	* 121.5	* 44.8	89	3000	1942	521	* 414	* 9.3	9.4	88.9	102.9	1.00	1.00	* 7	* .98	1.55	* 10.0	9.4	16.3	* 479.0	12.02	155
D * 22:58	* 8915.0	8911.2	8849.0	* 121.5	* 40.8	89	2800	1942	512	* 414	* 9.3	9.4	89.0	103.1	1.00	1.00	* 7	* .98	1.55	* 10.0	9.3	16.3	* 479.0	12.06	155
D * 22:59	* 8916.0	8913.0	8851.0	* 43.0	* 40.3	89	2700	1937	516	* 414	* 9.3	9.4	89.0	103.0	1.01	1.01	* 7	* 1.27	1.55	* 10.6	9.4	16.4	* 480.8	12.08	155
D * 23: 1	* 8917.7	8914.7	8851.0	* 60.1	* 42.0	89	2700	1937	521	* 412	* 9.3	9.5	89.0	103.5	1.01	1.00	* 7	* 1.18	1.55	* 10.0	9.3	16.3	* 482.6	12.11	155
D * 23: 3	* 8918.3	8915.3	8853.0	* 14.5	* 40.4	89	2600	1942	521	* 408	* 9.3	9.4	89.1	103.1	1.01	1.00	* 7	* 1.61	1.55	* 10.0	9.3	16.3	* 483.1	12.15	155
D * 23: 6	* 8919.8	8916.8	8856.0	* 54.0	* .0	75	0	1867	521	* 408	* 9.3	9.3	89.2	103.0	1.01	1.00	* 7	* 1.17	1.55	* 10.0	9.3	16.3	* 484.6	12.18	154
D * 23:10	* 8920.1	8916.8	8856.0	* 54.0	* 37.1	87	2700	1876	508	* 420	* 9.3	9.4	89.3	102.9	1.01	1.01	* 7	* 1.17	1.55	* 10.0	9.3	16.3	* 484.6	12.19	154
D * 23:12	* 8921.3	8918.3	8858.0	* 55.3	* 39.5	88	2700	1905	512	* 412	* 9.3	9.4	89.2	103.0	1.01	1.00	* 7	* 1.18	1.55	* 10.0	9.3	16.3	* 486.1	12.21	154
D * 23:13	* 8922.1	8919.1	8858.0	* 59.1	* 37.9	88	2700	1905	512	* 408	* 9.3	9.4	89.2	103.4	1.01	1.00	* 7	* 1.17	1.55	* 10.0	9.3	16.3	* 486.9	12.23	154
D * 23:14	* 8923.8	8920.8	8859.0	* 66.4	* 36.5	91	2800	1900	512	* 406	* 9.3	9.4	89.2	102.4	1.01	1.01	* 7	* 1.14	1.55	* 10.0	9.4	16.3	* 488.6	12.25	154
D * 23:15	* 8924.6	8920.8	8859.0	* 66.4	* 38.4	88	2700	1900	512	* 400	* 9.3	9.4	89.2	102.4	1.01	1.00	* 7	* 1.14	1.55	* 10.0	9.4	16.3	* 488.6	12.27	154
D * 23:16	* 8925.3	8921.6	8859.0	* 43.0	* 37.5	88	2900	1900	513	* 400	* 9.3	9.4	89.2	102.1	1.01	1.01	* 7	* 1.28	1.55	* 10.5	9.3	16.4	* 489.5	12.27	154
D * 23:16	* 8926.1	8923.1	8859.0	* 80.1	* 37.2	88	2700	1900	512	* 398	* 9.3	9.4	89.2	102.5	1.01	1.00	* 7	* 1.09	1.55	* 10.0	9.3	16.3	* 490.9	12.28	153
D * 23:17	* 8927.2	8923.1	8861.0	* 80.1	* 34.8	89	2700	1905	512	* 396	* 9.3	9.4	89.2	103.0	1.01	1.00	* 7	* 1.09	1.55	* 10.0	9.3	16.3	* 490.9	12.30	153
D * 23:18	* 8928.3	8924.2	8861.0	* 46.5	* 36.3	88	2700	1905	512	* 396	* 9.3	9.4	89.2	103.0	1.01	.99	* 7	* 1.22	1.55	* 10.0	9.3	16.3	* 492.0	12.32	153
D * 23:20	* 8929.1	8926.1	8861.0	* 48.2	* 33.8	88	2700	1905	50																