

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

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

TIME	MEASURED	DEPTH			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	klbs	rpm	ftlb	psi	gpm	bbbls	ppg	degF	ohm	unit	ppg	ppg	ppg	ppg	feet	Dhr	\$				
D * 0:42	* 8980.1	8977.1	8916.0	* 25.6	* 43.1	85	3000	2055	530	* 402	* 9.2	9.4	83.5	103.3	1.07	.99	* 7	* 1.47	1.55	* 10.0	9.3	16.3	* 544.9	13.60	147
D * 0:44	* 8981.5	8978.5	8916.0	* 32.5	* 44.0	83	3500	2059	534	* 400	* 9.2	9.4	83.8	103.6	1.07	1.00	* 7	* 1.41	1.55	* 9.6	9.3	16.2	* 546.4	13.65	147
D * 0:47	* 8982.6	8979.6	8917.0	* 32.0	* 46.0	86	3200	2055	530	* 400	* 9.2	9.4	84.0	103.3	1.06	1.00	* 7	* 1.42	1.55	* 9.6	9.3	16.2	* 547.4	13.60	147
D * 0:48	* 8983.0	8980.0	8919.0	* 13.7	* 47.6	84	3100	2055	532	* 400	* 9.2	9.3	84.2	103.7	1.06	1.00	* 7	* 1.66	1.55	* 10.0	9.3	16.3	* 547.8	13.71	147
D * 0:50	* 8984.1	8981.0	8919.0	* 40.2	* 45.3	85	3300	2045	530	* 470	* 9.2	9.4	84.4	103.4	1.06	1.00	* 7	* 1.35	1.55	* 10.1	9.3	16.3	* 548.0	13.74	147
D * 0:52	* 8985.6	8981.0	8921.0	* 40.2	* 44.3	84	3400	2055	534	* 476	* 9.2	9.4	84.0	103.5	1.05	.99	* 7	* 1.35	1.55	* 10.1	9.3	16.3	* 548.0	13.77	147
D * 0:53	* 8986.6	8983.2	8921.0	* 35.4	* 40.4	84	3300	2045	530	* 474	* 9.2	9.3	84.9	103.3	1.05	1.00	* 7	* 1.36	1.55	* 10.0	9.3	16.3	* 551.0	13.79	146
D * 1: 2	* 8989.4	8985.3	8924.0	* 130.9	* 14.8	80	2800	1951	512	* 492	* 9.3	9.4	85.0	101.6	1.04	1.01	* 7	* -0.00	1.55	* 10.0	9.3	16.3	* 551.0	13.82	146
D * 1: 3	* 8990.4	8987.4	8920.0	* 88.6	* 46.7	82	3500	2087	518	* 490	* 9.2	9.3	85.0	101.5	1.04	1.02	* 7	* 1.08	1.55	* 10.0	9.3	16.3	* 555.2	13.84	146
D * 1: 3	* 8991.2	8988.2	8920.0	* 240.5	* 48.0	84	3500	2087	538	* 480	* 9.2	9.3	85.7	101.5	1.04	1.02	* 7	* .81	1.55	* 10.0	9.3	16.3	* 556.0	13.84	145
D * 1: 5	* 8992.9	8989.9	8920.0	* 39.7	* 41.1	82	3300	2106	543	* 480	* 9.2	9.4	86.0	100.8	1.04	1.02	* 7	* 1.31	1.55	* 10.3	9.3	16.4	* 557.7	13.80	145
D * 1: 6	* 8993.0	8990.0	8931.0	* 28.5	* 41.0	82	3400	2102	542	* 476	* 9.3	9.5	86.0	101.2	1.04	1.01	* 7	* 1.39	1.55	* 9.8	9.3	16.2	* 557.8	13.89	145
D * 1: 7	* 8994.2	8991.2	8931.0	* 72.9	* 43.5	83	3400	2106	530	* 472	* 9.3	9.3	86.0	101.6	1.04	1.01	* 7	* 1.10	1.55	* 10.0	9.3	16.3	* 559.0	13.90	145
D * 1: 8	* 8995.1	8992.1	8931.0	* 41.6	* 49.7	82	3600	2106	543	* 470	* 9.3	9.3	86.0	101.9	1.04	1.00	* 7	* 1.34	1.55	* 10.1	9.3	16.3	* 559.9	13.92	145
D * 1: 9	* 8996.0	8993.0	8933.0	* 43.5	* 46.0	81	3400	2073	537	* 468	* 9.3	9.4	86.1	102.6	1.04	.99	* 7	* 1.30	1.55	* 10.4	9.3	16.4	* 560.8	13.94	145
D * 1:11	* 8997.0	8993.0	8933.0	* 43.5	* 46.0	85	3500	2031	529	* 466	* 9.3	9.4	86.2	103.3	1.04	.99	* 7	* 1.30	1.55	* 10.4	9.3	16.4	* 560.8	13.90	145
D * 1:12	* 8998.1	8995.1	8936.0	* 60.6	* 43.2	84	3500	2041	530	* 464	* 9.2	9.4	86.4	103.4	1.03	.99	* 7	* 1.19	1.55	* 10.0	9.3	16.3	* 562.9	14.00	145
D * 1:14	* 8999.4	8995.1	8936.0	* 60.6	* 44.2	85	3600	2031	537	* 462	* 9.3	9.4	86.4	103.0	1.03	1.00	* 7	* 1.19	1.55	* 10.0	9.3	16.3	* 562.9	14.03	145
D * 1:15	* 9000.1	8997.1	8936.0	* 43.0	* 45.2	82	3500	2041	533	* 464	* 9.3	9.4	86.5	103.0	1.03	1.00	* 7	* 1.29	1.55	* 10.5	9.3	16.4	* 565.0	14.04	144
D * 1:17	* 9001.2	8998.2	8939.0	* 35.3	* 42.9	85	3400	2036	534	* 462	* 9.3	9.4	86.7	103.0	1.03	.99	* 7	* 1.34	1.55	* 10.1	9.3	16.3	* 566.0	14.07	144
D * 1:18	* 9002.0	8998.2	8939.0	* 35.3	* 44.8	81	3500	2041	538	* 460	* 9.2	9.4	86.7	103.6	1.03	.99	* 7	* 1.34	1.55	* 10.1	9.3	16.3	* 566.0	14.09	144
D * 1:21	* 9003.6	9000.6	8942.0	* 30.7	* 43.0	86	2500	2027	530	* 460	* 9.3	9.3	86.9	103.5	1.03	1.00	* 7	* 1.30	1.55	* 9.0	9.3	16.3	* 568.4	14.14	144
D * 1:22	* 9004.0	9001.0	8945.0	* 125.9	* 43.5	83	2500	2027	530	* 460	* 9.3	9.4	87.0	103.5	1.02	1.00	* 7	* .96	1.55	* 10.0	9.3	16.3	* 568.8	14.15	144
D * 1:24	* 9005.0	9001.0	8945.0	* 125.9	* 45.5	82	2800	2027	530	* 458	* 9.3	9.5	87.2	103.8	1.02	.99	* 7	* .96	1.55	* 10.0	9.3	16.3	* 568.8	14.19	144
D * 1:26	* 9006.3	9003.3	8947.0	* 46.0	* 44.8	81	2700	2027	533	* 456	* 9.2	9.4	87.3	103.9	1.02	1.00	* 7	* 1.27	1.55	* 10.6	9.3	16.4	* 571.1	14.22	144
D * 1:28	* 9007.6	9004.6	8947.0	* 38.6	* 45.7	82	2800	2027	530	* 456	* 9.3	9.3	87.5	103.5	1.02	1.00	* 7	* 1.32	1.55	* 10.3	9.3	16.4	* 572.4	14.26	144
D * 1:29	* 9008.1	9005.1	8949.0	* 50.6	* 44.2	82	2600	2031	534	* 454	* 9.3	9.4	87.5	104.0	1.02	.99	* 7	* 1.24	1.55	* 10.0	9.3	16.3	* 572.9	14.27	144
D * 1:31	* 9009.2	9006.2	8949.0	* 32.1	* 46.6	82	2700	2027	530	* 456	* 9.3	9.4	87.7	104.3	1.02	.99	* 7	* 1.43	1.55	* 9.5	9.3	16.2	* 574.0	14.30	144
D * 1:34	* 9010.1	9007.1	8951.0	* 16.3	* 45.5	82	2700	2022	530	* 454	* 9.3	9.4	87.9	104.2	1.01	1.00	* 7	* 1.60	1.55	* 10.0	9.3	16.3	* 574.9	14.36	144
D * 1:34	* 9011.1	9008.1	8951.0	* 189.6	* 45.1	82	2600	2022	531	* 454	* 9.3	9.4	87.9	104.2	1.02	1.00	* 7	* .86	1.55	* 10.0	9.3	16.3	* 575.9	14.36	144
D * 1:36	* 9012.1	9009.1	8953.0	* 35.7	* 46.9	82	2600	2017	530	* 452	* 9.3	9.4	88.1	104.3	1.01	1.00	* 7	* 1.30	1.55	* 9.9	9.3	16.3	* 576.9	14.39	144
D * 1:40	* 9013.1	9009.1	8955.0	* 35.7	* 49.6	82	2500	2017	530	* 452	* 9.3	9.4	88.3	104.2	1.01	1.00	* 7	* 1.30	1.55	* 9.9	9.3	16.3	* 576.9	14.45	144
D * 1:43	* 9014.7	9011.0	8956.0	* 19.5	* 46.9	82	2700	2022	530	* 448	* 9.3	9.4	88.5	104.7	1.01	1.01	* 7	* 1.56	1.55	* 10.0	9.3	16.3	* 578.0	14.50	144
D * 1:44	* 9015.4	9012.4	8956.0	* 84.2	* 48.9	83	2700	2017	530	* 446	* 9.3	9.4	88.7	104.7	1.01	1.01	* 7	* 1.12	1.55	* 10.0	9.3	16.3	* 580.2	14.52	144
D * 1:46	* 9016.7	9012.4	8958.0	* 84.2	* 45.7	83	2600	2017	530	* 444	* 9.3	9.4	88.8	104.5	1.01	1.02	* 7	* 1.12	1.55	* 10.0	9.3	16.3	* 580.2	14.55	144
D * 1:48	* 9017.2	9014.2	8958.0	* 19.3	* 46.3	82	2700	2012	530	* 444	* 9.3	9.4	88.9	104.8	1.00	1.02	* 7	* 1.55	1.55	* 10.0	9.3	16.3	* 582.0	14.58	144
D * 1:50	* 9018.3	9015.3	8960.0	* 35.3	* 48.0	81	2700	2012	530	* 440	* 9.3	9.3	89.0	104.9	1.00	1.02	* 7	* 1.36	1.55	* 10.0	9.4	16.3	* 583.1	14.61	144
D * 1:51	* 9019.2	9016.2	8960.0	* 35.1	* 46.7	82	2700	2022	530	* 442	* 9.3	9.4	89.1	105.0	1.00	1.02	* 7	* 1.37	1.55	* 10.0	9.3	16.3	* 584.0	14.64	143
D * 1:59	* 9020.4	9017.4	8962.0	* 46.7	* 5.5	82	2200	2102	538	* 464	* 9.3	9.4	89.4	103.5	1.01	1.04	* 7	* 1.15	1.55	* 10.0	9.4	16.3	* 585.2	14.66	143
D * 2: 1	* 9021.1	9017.4	8964.0	* 46.7	* 44.5	82	2600	2116	547	* 456	* 9.3	9.4	89.4	103.1	1.01	1.05	* 7	* 1.15	1.55	* 10.0	9.3	16.3	* 585.2	14.68	143
D * 2: 3	* 9022.1	9019.1	8967.0	* 24.1	* 42.2	82	2600	1989	522	* 444	* 9.3	9.3	89.5	103.9	1.01	1.04	* 7	* 1.44	1.55	* 9.4	9.3	16.2	* 586.9	14.73	143
D * 2: 5	* 9023.5	9020.5	8967.0	* 68.3	* 40.1	81	2800	1989	525	* 440	* 9.3	9.4	89.5	103.4	1.01	1.05	* 7	* 1.17	1.55	* 10.0	9.3	16.3	* 588.3	14.75	143
D * 2: 6	* 9024.1	9020.5	8969.0	* 68.3	* 45.7	82	2800	1994	521	* 438	* 9.2	9.4	89.5	104.4	1.01	1.04	* 7	* 1.17	1.55	* 10.0	9.3	16.3	* 588.3	14.78	143
D * 2: 7	* 9025.3	9022.3	8969.0	* 88.7	* 40.9	80	2900	1998	526	* 434	* 9.3	9.4	89.6	104.0	1.01	1.04	* 7	* 1.11	1.55	* 10.0	9.3	16.3	* 590.1	14.79	143
D * 2: 9	* 9026.1	9023.0	8969.0	* 38.7	* 46.9	82	2700	1998	530	* 432	* 9.3	9.4	89.6	105.0	1.01	1.03	* 7	* 1.42	1.55	* 9.5	9.3	16.2	* 590.8	14.82	143
D * 2:12	* 9027.0	9023.0	8971.0	* 30.7	* 50.6	80	2700	1994	529	* 430	* 9.3	9.3	89.7	105.5	1.01	1.04	* 7	* 1.42	1.55	* 9.5	9.3	16.2	* 590.8	14.88	143
D * 2:13	* 9028.0	9025.0	8973.0	* 115.1	* 48.7	82	2700	1998	525	* 430	* 9.3	9.3	89.7	105.2	1.01	1.04	* 7	* 1.03	1.56	* 10.0	9.3	16.3	* 592.8	14.89	143
D * 2:17	* 9029.4																								