

* BIT # 19 SMITH F2 BIT DIAMETER : 12.25 inch NOZZ 16/16/16
 MUD RHEOLOGICAL PARAMETERS : PV = 13 YP = 14 GEL = 5

* TIME *	* MEASURED *	* DEPTHS *			* DRILLING PARAMETERS *						* MUD PARAMETERS *				* OVERPRESSURE SURVEY *				* ACCUMULATED ON BIT *						
		VERTCL	LAGGED	* ROP *	* WOB *	RPM	TORG	PRESS	FLOW	* PIT *	DENSITY	TEMPERATURE	RESISTIVITY	* GAG *	* DCS *	NORM	PF	ECD	FRAC	FEET	TIME	COST			
* Hr:mn *	* feet *	feet	feet	* ft/h *	* kips *	rpm	ftlb	psi	gpm	* bbls *	ppg	degF	ohm	* unit *	ppg	ppg	ppg	* feet *	Dhr	\$					
D * 22:50	* 7502.0	7500.7	7457.0	* 20.1	* 22.9	91	2400	1706	575	* 510	* 9.2	9.2	80.8	95.7	.71	.71	* 7	* 1.30	1.43	* 9.6	9.2	15.7	* 1222.	40.36	145
D * 22:51	* 7503.0	7501.7	7459.0	* 47.0	* 24.5	91	2500	1790	576	* 510	* 9.1	9.3	80.9	96.3	.71	.70	* 7	* 1.07	1.43	* 9.8	9.2	15.8	* 1223.	40.38	145
D * 22:54	* 7504.3	7502.9	7460.0	* 34.7	* 26.6	92	2300	1790	579	* 520	* 9.1	9.3	81.0	96.2	.71	.71	* 7	* 1.20	1.43	* 10.4	9.2	15.9	* 1224.	40.41	145
D * 22:56	* 7505.2	7502.9	7460.0	* 34.7	* 19.4	92	2500	1790	579	* 516	* 9.2	9.3	81.2	96.1	.71	.71	* 7	* 1.20	1.43	* 10.4	9.2	15.9	* 1224.	40.45	145
D * 22:58	* 7506.2	7504.9	7462.0	* 31.3	* 24.2	91	2300	1786	574	* 514	* 9.2	9.2	81.3	96.1	.71	.71	* 7	* 1.19	1.43	* 10.5	9.2	16.0	* 1226.	40.48	145
D * 22:59	* 7507.1	7505.7	7463.0	* 28.9	* 26.6	93	2500	1790	583	* 512	* 9.2	9.3	81.4	97.2	.71	.70	* 7	* 1.21	1.43	* 10.3	9.2	15.9	* 1227.	40.51	145
D * 23: 3	* 7508.3	7506.9	7465.0	* 20.6	* 23.7	92	2300	1795	577	* 508	* 9.1	9.3	81.5	97.5	.71	.70	* 7	* 1.20	1.43	* 9.8	9.2	15.8	* 1228.	40.57	145
D * 23: 4	* 7509.3	7506.9	7466.0	* 20.6	* 22.7	92	3100	1799	578	* 508	* 9.2	9.2	81.5	96.7	.71	.71	* 7	* 1.20	1.43	* 9.8	9.2	15.8	* 1228.	40.59	145
D * 23: 7	* 7510.8	7509.5	7467.0	* 33.5	* 32.1	92	2600	1790	579	* 504	* 9.2	9.2	81.7	95.7	.71	.71	* 7	* 1.14	1.43	* 10.0	9.2	16.1	* 1230.	40.64	145
D * 23: 8	* 7511.3	7509.9	7467.0	* 54.7	* 27.4	92	2800	1800	579	* 506	* 9.2	9.2	81.7	96.2	.71	.72	* 7	* 1.09	1.43	* 9.8	9.2	15.8	* 1231.	40.64	145
D * 23: 9	* 7512.1	7510.0	7467.0	* 36.4	* 27.0	90	3000	1795	579	* 500	* 9.2	9.2	81.8	96.0	.71	.71	* 7	* 1.19	1.43	* 10.5	9.2	16.0	* 1232.	40.67	145
D * 23:11	* 7513.1	7510.0	7469.0	* 36.4	* 23.2	92	2800	1790	582	* 502	* 9.2	9.2	81.9	96.2	.71	.72	* 7	* 1.19	1.43	* 10.5	9.2	16.0	* 1232.	40.70	145
D * 23:13	* 7514.2	7512.9	7470.0	* 34.9	* 22.0	91	2700	1795	578	* 498	* 9.2	9.2	82.0	95.9	.71	.72	* 7	* 1.14	1.43	* 10.0	9.2	16.1	* 1234.	40.73	145
D * 23:14	* 7515.1	7513.7	7470.0	* 30.4	* 20.1	93	2600	1800	579	* 500	* 9.2	9.3	82.0	95.0	.71	.72	* 7	* 1.15	1.43	* 10.7	9.2	16.0	* 1235.	40.75	145
D * 23:16	* 7516.1	7514.0	7471.0	* 44.8	* 32.4	89	2900	1804	579	* 496	* 9.2	9.3	82.0	96.1	.71	.72	* 7	* 1.10	1.43	* 9.8	9.2	15.8	* 1236.	40.78	145
D * 23:19	* 7517.4	7516.1	7473.0	* 26.8	* 25.5	92	2600	1799	578	* 494	* 9.2	9.2	82.0	97.0	.71	.71	* 7	* 1.23	1.43	* 10.1	9.2	15.9	* 1237.	40.83	145
D * 23:19	* 7518.0	7516.7	7473.0	* 54.9	* 25.6	92	2600	1800	579	* 494	* 9.2	9.2	82.0	97.1	.71	.71	* 7	* 1.06	1.43	* 9.8	9.2	15.8	* 1238.	40.84	145
D * 23:22	* 7519.7	7516.7	7475.0	* 54.9	* 26.1	91	3100	1800	575	* 492	* 9.2	9.3	82.2	96.6	.71	.72	* 7	* 1.06	1.43	* 9.8	9.2	15.8	* 1238.	40.88	145
D * 23:23	* 7520.2	7518.0	7477.0	* 25.5	* 26.0	91	3200	1800	582	* 490	* 9.2	9.2	82.2	96.2	.71	.72	* 7	* 1.26	1.43	* 9.9	9.2	15.8	* 1240.	40.90	145
D * 23:33	* 7521.3	7518.0	7480.0	* 25.5	* 11.1	104	1300	1670	551	* 522	* 9.2	9.2	82.4	95.9	.72	.72	* 7	* 1.26	1.43	* 9.9	9.2	15.8	* 1240.	40.94	145
D * 23:35	* 7522.4	7521.1	7480.0	* 33.5	* 29.9	91	2000	1790	551	* 504	* 9.2	9.2	82.4	95.5	.72	.72	* 7	* 1.26	1.43	* 10.0	9.2	15.8	* 1242.	40.97	145
D * 23:39	* 7523.1	7521.7	7483.0	* 9.9	* 26.1	93	2600	1799	575	* 482	* 9.2	9.2	82.3	96.1	.72	.72	* 7	* 1.50	1.43	* 9.8	9.2	15.8	* 1243.	41.04	145
D * 23:41	* 7524.1	7522.7	7483.0	* 31.0	* 29.3	91	3000	1795	570	* 474	* 9.2	9.2	82.4	96.2	.72	.72	* 7	* 1.22	1.43	* 10.3	9.2	15.9	* 1244.	41.07	145
D * 23:43	* 7525.2	7523.0	7485.0	* 34.6	* 26.0	91	2800	1795	575	* 472	* 9.1	9.1	82.3	95.9	.72	.72	* 7	* 1.17	1.43	* 10.6	9.2	16.0	* 1245.	41.10	145
D * 23:46	* 7526.6	7523.0	7486.0	* 34.6	* 22.2	95	2700	1795	575	* 468	* 9.2	9.2	82.4	96.0	.72	.72	* 7	* 1.17	1.43	* 10.6	9.2	16.0	* 1245.	41.14	145
D * 23:47	* 7527.3	7525.7	7488.0	* 27.4	* 20.6	93	2900	1795	570	* 464	* 9.1	9.2	82.4	96.2	.72	.72	* 7	* 1.23	1.43	* 10.1	9.2	15.9	* 1247.	41.16	145
D * 23:49	* 7528.2	7526.0	7488.0	* 33.3	* 25.5	92	3000	1786	584	* 464	* 9.1	9.1	82.3	95.9	.72	.72	* 7	* 1.16	1.43	* 10.7	9.2	16.0	* 1248.	41.17	145
D * 23:51	* 7529.4	7526.0	7490.0	* 33.3	* 25.3	95	2600	1790	579	* 460	* 9.1	9.2	82.4	96.2	.72	.71	* 7	* 1.16	1.43	* 10.7	9.2	16.0	* 1248.	41.23	145
D * 23:53	* 7530.3	7528.0	7492.0	* 25.5	* 25.7	95	2000	1795	574	* 460	* 9.1	9.2	82.4	96.2	.72	.72	* 7	* 1.24	1.43	* 10.1	9.2	15.9	* 1250.	41.26	145
D * 0: 1	* 7531.4	7530.0	7493.0	* 37.3	* 25.4	93	3000	1795	575	* 460	* 9.1	9.2	82.5	96.4	.72	.72	* 7	* 1.13	1.44	* 9.8	9.2	15.8	* 1251.	41.29	145
D * 0: 2	* 7532.0	7530.7	7493.0	* 27.2	* 27.4	92	3000	1786	575	* 458	* 9.1	9.2	82.4	95.6	.72	.72	* 7	* 1.24	1.44	* 10.1	9.2	15.9	* 1252.	41.31	145
D * 0: 6	* 7533.0	7530.7	7495.0	* 27.2	* 21.2	91	2900	1795	575	* 456	* 9.1	9.2	82.4	96.7	.72	.71	* 7	* 1.24	1.44	* 10.1	9.2	15.9	* 1252.	41.37	145
D * 0: 9	* 7534.2	7532.0	7498.0	* 21.4	* 15.9	91	2300	1799	575	* 454	* 9.1	9.2	82.4	96.5	.72	.72	* 7	* 1.22	1.44	* 10.3	9.2	15.9	* 1254.	41.42	145
D * 0:11	* 7535.1	7533.7	7498.0	* 24.0	* 17.3	93	2400	1799	575	* 456	* 9.1	9.3	82.5	96.7	.72	.71	* 7	* 1.10	1.44	* 10.6	9.2	16.0	* 1255.	41.46	145
D * 0:14	* 7536.0	7534.7	7500.0	* 23.3	* 23.2	91	2600	1795	570	* 456	* 9.1	9.3	82.5	97.4	.72	.71	* 7	* 1.19	1.44	* 10.4	9.2	16.0	* 1256.	41.50	145
D * 0:16	* 7537.3	7536.0	7501.0	* 34.4	* 25.1	92	3000	1795	575	* 458	* 9.1	9.2	82.6	97.5	.72	.71	* 7	* 1.12	1.44	* 9.8	9.2	15.8	* 1257.	41.54	145
D * 0:18	* 7538.0	7536.7	7502.0	* 19.2	* 17.9	92	2500	1795	573	* 456	* 9.1	9.3	82.6	96.4	.72	.72	* 7	* 1.29	1.44	* 9.7	9.2	15.8	* 1258.	41.58	145
D * 0:19	* 7539.1	7536.7	7504.0	* 19.2	* 19.1	94	2400	1795	581	* 454	* 9.1	9.3	82.6	96.2	.72	.72	* 7	* 1.29	1.44	* 9.7	9.2	15.8	* 1258.	41.60	145
D * 0:22	* 7540.0	7537.0	7505.0	* 40.9	* 22.2	97	2000	1786	578	* 452	* 9.1	9.2	82.5	97.4	.72	.72	* 7	* 1.09	1.44	* 9.8	9.2	15.8	* 1259.	41.64	145
D * 0:24	* 7541.0	7539.7	7507.0	* 20.0	* 22.2	95	2600	1799	575	* 452	* 9.1	9.3	82.6	97.5	.72	.71	* 7	* 1.17	1.44	* 10.6	9.2	16.0	* 1261.	41.68	145
D * 0:27	* 7542.0	7540.7	7508.0	* 21.1	* 21.0	96	2700	1795	574	* 450	* 9.1	9.3	82.7	97.5	.72	.71	* 7	* 1.22	1.44	* 10.2	9.2	15.9	* 1262.	41.73	145
D * 0:30	* 7543.1	7541.7	7509.0	* 21.2	* 23.4	95	2500	1790	575	* 456	* 9.1	9.3	82.8	97.0	.72	.72	* 7	* 1.27	1.44	* 9.9	9.2	15.8	* 1263.	41.78	145
D * 0:31	* 7544.1	7542.0	7509.0	* 54.5	* 24.9	95	2700	1799	579	* 462	* 9.2	9.3	82.6	96.7	.72	.71	* 7	* 1.05	1.44	* 9.8	9.2	15.8	* 1264.	41.80	145
D * 0:34	* 7545.0	7543.7	7511.0	* 22.6	* 20.9	97	2400	1795	575	* 478	* 9.1	9.2	82.1	96.3	.72	.72	* 7	* 1.24	1.44	* 10.1	9.2	15.9	* 1265.	41.84	145
D * 0:38	* 7546.2	7544.0	7514.0	* 15.5	* 20.0	94	3000	1795	577	* 496	* 9.1	9.3	81.1	96.6	.73	.71	* 7	* 1.33	1.44	* 9.4	9.2	15.7	* 1266.	41.91	145
D * 0:40	* 7547.5	7546.2	7514.0	* 41.3	* 23.5	96	2300	1790	578	* 504	* 9.1	9.3	80.6	96.4	.73	.72	* 7	* 1.14	1.44	* 10.8	9.2	16.1	* 1267.	41.94	145
D * 0:41	* 7548.4	7547.0	7515.0	* 35.0	* 24.9	99	2600	1790	575	* 510	* 9.1	9.3	80.2	97.9	.74	.71	* 7	* 1.21	1.44	* 10.3	9.2	15.9	* 1268.	41.97	145
D * 0:43	* 7549.0	7547.7	7517.0	* 28.3	* 25.7	94	2900	1790	579	* 514	* 9.1	9.3	79.8	97.0	.74	.71	* 7	* 1.26	1.44	* 9.9	9.2	15.8	* 1269.	41.99	145
D * 0:46	* 7550.5	7549.1	7518.0	* 31.0																					