

* BIT # 21 SMITH F2 BIT DIAMETER : 12.25 inch NOZZ 16/16/16

MUD RHEOLOGICAL PARAMETERS : PV = 13 YP = 15 GEL = 4

* TIME *	* MEASURED *	* DEPTHS *			* DRILLING PARAMETERS *				* MUD PARAMETERS *				* OVERPRESSURE SURVEY *				* ACCUMULATED ON BIT *								
		VERTCL	LAGGED	ROP	WOB	RPM	TORQ	PRSS	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	* bbls *	IN	OUT	IN	OUT	ohm	* unit *	* ppq	ppq	ppq	* feet	Dhr	\$			
D * 18:20	* 8326.3	8323.0	8274.0	* 16.8	* 35.2	92	3400	1990	540	* 474 *	9.3	9.3	86.4	101.7	.84	.84	* 7 *	1.51	1.50	* 10.2	9.3	16.2	* 433.0	10.90	163
D * 18:20	* 8327.0	8323.0	8274.0	* 16.8	* 34.9	91	3400	1994	543	* 472 *	9.3	9.4	86.5	101.5	.84	.84	* 7 *	1.51	1.50	* 10.2	9.3	16.2	* 433.0	10.99	163
D * 18:22	* 8328.1	8325.1	8274.0	* 50.9	* 33.1	88	3400	1990	548	* 468 *	9.3	9.4	86.5	101.0	.84	.84	* 7 *	1.17	1.50	* 10.2	9.3	16.2	* 435.1	11.01	162
D * 18:23	* 8329.3	8325.1	8276.0	* 50.9	* 32.9	89	3400	1984	543	* 470 *	9.3	9.4	86.6	101.9	.84	.83	* 7 *	1.17	1.50	* 10.2	9.3	16.2	* 435.1	11.03	162
D * 18:30	* 8330.7	8327.1	8278.0	* 93.7	* 16.8	96	2900	1895	526	* 484 *	9.3	9.3	86.7	101.5	.85	.84	* 7 *	.69	1.50	* 10.2	9.3	16.2	* 437.1	11.05	162
D * 18:30	* 8331.5	8327.1	8278.0	* 93.7	* 25.0	92	3200	1895	527	* 484 *	9.3	9.4	86.9	101.4	.85	.84	* 7 *	.69	1.50	* 10.2	9.3	16.2	* 437.1	11.05	162
D * 18:31	* 8332.4	8328.5	8278.0	* 251.0	* 34.4	93	3500	1919	530	* 478 *	9.3	9.4	86.7	101.4	.84	.84	* 7 *	.60	1.50	* 10.2	9.3	16.2	* 438.5	11.06	161
D * 18:33	* 8333.1	8329.4	8280.0	* 61.7	* 33.2	100	3600	1919	525	* 470 *	9.3	9.4	86.7	102.0	.84	.83	* 7 *	1.15	1.50	* 10.2	9.3	16.2	* 439.4	11.10	161
D * 18:34	* 8334.5	8331.5	8280.0	* 65.0	* 32.1	92	3600	1914	525	* 466 *	9.3	9.4	86.8	101.7	.84	.84	* 7 *	1.10	1.50	* 10.2	9.3	16.2	* 441.5	11.12	161
D * 18:35	* 8335.0	8332.0	8282.0	* 21.2	* 30.9	92	3500	1914	530	* 466 *	9.3	9.4	86.8	101.3	.84	.85	* 7 *	1.40	1.50	* 10.2	9.3	16.2	* 442.0	11.15	161
D * 18:37	* 8336.3	8332.0	8282.0	* 21.2	* 31.1	92	3400	1914	526	* 466 *	9.3	9.5	86.9	101.5	.85	.84	* 7 *	1.40	1.50	* 10.2	9.3	16.2	* 442.0	11.17	161
D * 18:38	* 8337.3	8334.3	8285.0	* 38.3	* 32.7	96	3300	1909	529	* 462 *	9.3	9.3	86.9	102.3	.85	.84	* 7 *	1.25	1.50	* 10.4	9.3	16.2	* 444.3	11.19	160
D * 18:40	* 8338.2	8334.3	8285.0	* 38.3	* 36.0	91	3600	1909	530	* 462 *	9.3	9.4	86.9	102.4	.84	.84	* 7 *	1.25	1.50	* 10.4	9.3	16.2	* 444.3	11.22	160
D * 18:42	* 8339.0	8335.2	8288.0	* 32.8	* 34.8	95	3600	1909	527	* 462 *	9.3	9.4	87.0	102.3	.84	.84	* 7 *	1.33	1.50	* 10.4	9.3	16.2	* 444.3	11.22	160
D * 18:43	* 8340.4	8337.4	8288.0	* 66.2	* 33.3	93	3700	1914	528	* 460 *	9.2	9.4	87.1	102.6	.85	.83	* 7 *	1.12	1.50	* 10.2	9.3	16.2	* 447.4	11.27	160
D * 18:44	* 8341.4	8338.4	8290.0	* 67.7	* 35.0	92	3700	1914	530	* 460 *	9.3	9.4	87.1	102.3	.85	.84	* 7 *	1.12	1.50	* 10.2	9.3	16.2	* 448.4	11.29	160
D * 18:45	* 8342.3	8339.3	8290.0	* 41.9	* 34.0	92	3500	1919	530	* 458 *	9.3	9.3	87.2	102.2	.85	.84	* 7 *	1.24	1.50	* 10.5	9.3	16.2	* 449.3	11.31	159
D * 18:46	* 8343.1	8339.3	8292.0	* 41.9	* 29.9	95	3600	1914	530	* 458 *	9.3	9.3	87.2	102.3	.84	.84	* 7 *	1.24	1.50	* 10.5	9.3	16.2	* 449.3	11.33	159
D * 18:40	* 8344.2	8341.1	8292.0	* 42.9	* 35.4	93	3600	1914	527	* 458 *	9.3	9.3	87.2	102.6	.84	.83	* 7 *	1.22	1.50	* 10.7	9.3	16.3	* 451.1	11.36	159
D * 18:51	* 8345.7	8342.7	8294.0	* 35.8	* 35.6	91	3000	1914	530	* 458 *	9.3	9.3	87.3	102.2	.84	.84	* 7 *	1.29	1.50	* 10.1	9.3	16.1	* 452.7	11.40	159
D * 18:51	* 8346.2	8343.2	8294.0	* 43.5	* 32.9	91	3400	1909	534	* 458 *	9.3	9.3	87.3	102.2	.85	.84	* 7 *	1.23	1.50	* 10.5	9.3	16.2	* 453.2	11.41	159
D * 18:53	* 8347.3	8343.2	8296.0	* 43.5	* 33.1	93	3100	1919	529	* 458 *	9.3	9.4	87.3	102.2	.85	.84	* 7 *	1.23	1.50	* 10.5	9.3	16.2	* 453.2	11.43	159
D * 18:54	* 8348.3	8345.3	8296.0	* 55.7	* 35.4	92	3700	1909	530	* 458 *	9.3	9.3	87.4	102.4	.85	.83	* 7 *	1.15	1.50	* 10.2	9.3	16.2	* 455.3	11.46	159
D * 18:56	* 8349.0	8346.0	8296.0	* 19.3	* 33.2	92	3200	1914	525	* 456 *	9.3	9.3	87.5	102.0	.85	.84	* 7 *	1.46	1.50	* 10.2	9.3	16.2	* 456.0	11.49	159
D * 18:57	* 8350.6	8346.0	8296.0	* 19.3	* 33.6	92	2800	1914	531	* 456 *	9.3	9.3	87.5	103.0	.85	.83	* 7 *	1.46	1.50	* 10.2	9.3	16.2	* 456.0	11.51	159
D * 18:58	* 8351.2	8348.2	8296.0	* 30.6	* 36.4	91	2900	1914	525	* 456 *	9.3	9.3	87.6	102.6	.85	.84	* 7 *	1.34	1.50	* 9.8	9.3	16.1	* 458.2	11.52	158
D * 19: 0	* 8352.2	8349.2	8296.0	* 32.0	* 33.9	93	2700	1914	530	* 456 *	9.3	9.3	87.6	102.9	.85	.83	* 7 *	1.32	1.50	* 9.9	9.3	16.1	* 459.2	11.56	158
D * 19: 2	* 8353.6	8350.6	8296.0	* 41.1	* 34.9	93	3600	1914	525	* 454 *	9.3	9.3	87.7	103.0	.85	.83	* 7 *	1.25	1.50	* 10.4	9.3	16.2	* 460.6	11.59	158
D * 19: 3	* 8354.1	8351.1	8296.0	* 40.8	* 36.4	94	3400	1909	530	* 452 *	9.3	9.3	87.8	102.9	.85	.84	* 7 *	1.24	1.50	* 10.5	9.3	16.2	* 461.1	11.60	158
D * 19: 5	* 8355.1	8352.1	8272.0	* 28.3	* 34.3	95	3500	1909	525	* 454 *	9.3	9.4	87.8	102.6	.84	.84	* 7 *	1.34	1.50	* 9.8	9.3	16.1	* 462.1	11.64	158
D * 19: 6	* 8356.3	8353.3	8272.0	* 61.5	* 34.4	93	2600	1914	529	* 452 *	9.3	9.4	87.9	102.8	.85	.84	* 7 *	1.12	1.50	* 10.2	9.4	16.2	* 463.3	11.66	157
D * 19: 8	* 8357.0	8353.3	8297.0	* 61.5	* 33.2	92	2800	1909	530	* 450 *	9.3	9.4	88.0	103.3	.85	.84	* 7 *	1.12	1.50	* 10.2	9.3	16.2	* 463.3	11.69	157
D * 19:10	* 8358.2	8355.1	8297.0	* 38.3	* 32.2	92	2900	1905	530	* 448 *	9.3	9.4	88.0	102.4	.85	.84	* 7 *	1.25	1.50	* 10.4	9.3	16.2	* 465.1	11.72	157
D * 19:12	* 8359.5	8355.1	8300.0	* 38.3	* 31.9	92	2700	1909	530	* 450 *	9.3	9.4	88.0	102.4	.85	.84	* 7 *	1.25	1.50	* 10.4	9.4	16.2	* 465.1	11.75	157
D * 19:13	* 8360.1	8357.1	8300.0	* 41.2	* 36.1	92	2700	1909	530	* 450 *	9.3	9.4	88.0	102.0	.85	.84	* 7 *	1.22	1.50	* 10.7	9.4	16.3	* 467.1	11.77	157
D * 19:15	* 8361.1	8357.1	8302.0	* 41.2	* 32.8	93	2700	1900	534	* 450 *	9.3	9.3	88.1	102.8	.85	.84	* 7 *	1.22	1.50	* 10.7	9.3	16.3	* 467.1	11.80	157
D * 19:25	* 8362.0	8358.1	8307.0	* 29.0	* 36.5	95	3000	2003	547	* 446 *	9.3	9.3	87.8	102.6	.85	.83	* 7 *	1.34	1.50	* 9.8	9.4	16.1	* 468.1	11.88	157
D * 19:26	* 8363.8	8360.8	8309.0	* 106.8	* 33.8	95	3700	2003	547	* 446 *	9.3	9.3	87.6	102.3	.85	.84	* 7 *	.99	1.50	* 10.2	9.4	16.2	* 470.8	11.89	157
D * 19:28	* 8364.5	8360.8	8309.0	* 106.8	* 34.8	93	3500	1998	547	* 446 *	9.3	9.3	87.3	102.4	.86	.84	* 7 *	.99	1.50	* 10.2	9.4	16.2	* 470.8	11.92	157
D * 19:29	* 8365.0	8362.0	8309.0	* 88.7	* 32.3	93	3500	1998	547	* 448 *	9.3	9.3	87.1	102.9	.86	.84	* 7 *	1.03	1.50	* 10.2	9.4	16.2	* 472.0	11.93	157
D * 19:30	* 8366.2	8362.0	8312.0	* 88.7	* 34.9	94	3500	1998	546	* 446 *	9.3	9.3	86.3	102.6	.87	.84	* 7 *	1.03	1.50	* 10.2	9.4	16.2	* 472.0	11.96	157
D * 19:32	* 8367.6	8364.6	8313.0	* 59.2	* 33.2	93	3400	1998	547	* 450 *	9.3	9.3	85.8	103.3	.87	.83	* 7 *	1.15	1.50	* 10.2	9.4	16.2	* 474.6	11.98	156
D * 19:33	* 8368.1	8365.1	8313.0	* 17.5	* 34.6	93	3400	2003	545	* 452 *	9.3	9.3	85.3	103.1	.88	.83	* 7 *	1.51	1.50	* 10.2	9.3	16.2	* 475.1	12.01	156
D * 19:35	* 8369.2	8365.1	8313.0	* 17.5	* 35.2	95	3300	1998	548	* 454 *	9.2	9.4	84.9	103.4	.88	.83	* 7 *	1.51	1.50	* 10.2	9.3	16.2	* 475.1	12.03	156
D * 19:37	* 8370.5	8367.5	8315.0	* 32.4	* 33.9	92	3400	2008	546	* 458 *	9.2	9.3	84.3	103.2	.88	.83	* 7 *	1.33	1.50	* 9.9	9.3	16.1	* 477.5	12.07	156
D * 19:38	* 8371.0	8367.5	8317.0	* 32.4	* 34.2	93	3600	2012	546	* 460 *	9.2	9.3	84.0	103.0	.88	.84	* 7 *	1.33	1.50	* 9.9	9.3	16.1	* 477.5	12.09	156
D * 19:39	* 8372.1	8369.1	8317.0	* 69.6	* 33.8	93	3600	2012	543	* 464 *	9.2	9.3	83.8	102.9	.88	.84	* 7 *	1.10	1.50	* 10.2	9.3	16.2	* 479.1	12.11	156
D * 19:41	* 8373.7	8370.7	8319.0	* 67.6	* 36.8	93	3600	2017	546	* 468 *	9.2	9.3	83.5	103.0	.88	.84	* 7 *	1.14	1.50	* 10.2	9.3	16.2	* 480.7	12.13	155