

\* BIT # 22 SMITH F3 DIT 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 *	* klbs *	* rpm *	* ftlb *	* psi *	* gpm *	* bbls *	* IN *	* OUT *	* IN *	* OUT *	* unit *	* ppq *	* ppq *	* ppq *	* feet *	* Dhr *	* \$ *				
D * 17:44	* 8735.6	8732.1	8688.0	* 17.1	* 42.9	98	3700	1862	513	* 488	* 9.3	9.5	81.7	99.6	1.00	.96	* 7	* 1.53	1.53	* 10.0	9.3	16.2	* 299.9	7.36	191
D * 17:44	* 8736.0	8732.1	8688.0	* 17.1	* 37.4	88	3800	1867	512	* 470	* 9.3	9.5	81.6	99.6	1.00	.95	* 7	* 1.53	1.53	* 10.0	9.3	16.2	* 299.9	7.36	191
D * 17:47	* 8737.2	8734.2	8682.0	* 26.3	* 39.0	90	3600	1872	512	* 480	* 9.2	9.5	81.1	99.1	1.01	.96	* 7	* 1.44	1.53	* 10.0	9.3	16.2	* 302.0	7.41	190
D * 17:48	* 8738.3	8735.3	8682.0	* 53.8	* 35.5	89	3600	1872	508	* 488	* 9.2	9.6	80.9	99.0	1.01	.96	* 7	* 1.19	1.53	* 10.0	9.3	16.2	* 303.1	7.43	190
D * 17:49	* 8739.1	8735.3	8685.0	* 53.8	* 39.4	91	3700	1872	508	* 486	* 9.2	9.5	80.6	99.0	1.01	.95	* 7	* 1.19	1.53	* 10.0	9.3	16.2	* 303.1	7.45	190
D * 17:51	* 8740.2	8737.2	8685.0	* 37.4	* 40.2	91	3800	1872	509	* 492	* 9.2	9.5	80.4	99.5	1.02	.96	* 7	* 1.33	1.53	* 10.1	9.3	16.2	* 305.0	7.48	189
D * 17:52	* 8741.6	8738.6	8688.0	* 81.0	* 38.9	89	3600	1867	512	* 492	* 9.2	9.5	80.3	99.8	1.02	.96	* 7	* 1.11	1.53	* 10.0	9.3	16.2	* 306.4	7.50	189
D * 17:53	* 8742.0	8738.6	8688.0	* 81.0	* 36.7	92	3600	1872	517	* 494	* 9.2	9.6	80.1	100.0	1.02	.95	* 7	* 1.11	1.53	* 10.0	9.3	16.2	* 306.4	7.51	189
D * 17:55	* 8743.1	8739.0	8688.0	* 20.8	* 38.5	88	3700	1862	512	* 498	* 9.2	9.6	80.0	99.2	1.02	.96	* 7	* 1.49	1.53	* 10.0	9.3	16.2	* 306.8	7.54	189
D * 17:56	* 8744.1	8741.1	8690.0	* 57.6	* 40.1	88	3600	1867	508	* 502	* 9.2	9.5	79.9	99.1	1.02	.97	* 7	* 1.20	1.53	* 10.0	9.3	16.2	* 308.9	7.56	188
D * 17:58	* 8745.5	8741.1	8690.0	* 57.6	* 38.3	91	3600	1872	508	* 504	* 9.2	9.5	79.7	98.9	1.03	.96	* 7	* 1.20	1.53	* 10.0	9.3	16.2	* 308.9	7.57	188
D * 17:59	* 8746.0	8743.0	8690.0	* 75.2	* 38.3	91	3800	1867	512	* 506	* 9.2	9.5	79.8	99.0	1.03	.96	* 7	* 1.13	1.53	* 10.0	9.3	16.2	* 310.9	7.60	187
D * 17:59	* 8747.0	8743.0	8693.0	* 75.2	* 37.7	89	3700	1858	508	* 508	* 9.2	9.5	79.7	98.8	1.03	.97	* 7	* 1.13	1.53	* 10.0	9.3	16.2	* 310.9	7.61	187
D * 18: 1	* 8748.6	8745.6	8693.0	* 51.0	* 36.0	91	3800	1867	508	* 510	* 9.2	9.5	79.5	99.0	1.03	.95	* 7	* 1.23	1.53	* 10.0	9.3	16.4	* 313.4	7.65	186
D * 18: 2	* 8749.3	8746.3	8693.0	* 70.5	* 35.7	89	3800	1862	508	* 510	* 9.2	9.5	79.6	99.6	1.03	.96	* 7	* 1.13	1.53	* 10.0	9.3	16.2	* 314.1	7.66	186
D * 18: 4	* 8750.1	8746.3	8695.0	* 70.5	* 33.2	89	3600	1862	507	* 514	* 9.2	9.6	79.4	99.1	1.03	.96	* 7	* 1.13	1.53	* 10.0	9.3	16.2	* 314.1	7.68	186
D * 18: 5	* 8751.1	8747.1	8695.0	* 26.0	* 37.9	89	3700	1867	508	* 518	* 9.2	9.5	79.3	99.1	1.03	.96	* 7	* 1.40	1.53	* 9.5	9.3	16.1	* 314.9	7.71	186
D * 18: 7	* 8752.5	8749.5	8696.0	* 39.9	* 40.6	88	4000	1862	512	* 524	* 9.2	9.5	79.2	98.6	1.04	.96	* 7	* 1.30	1.53	* 10.3	9.3	16.3	* 317.3	7.74	185
D * 18: 8	* 8753.0	8750.0	8696.0	* 44.1	* 38.4	89	3700	1862	508	* 526	* 9.2	9.5	79.2	99.4	1.04	.96	* 7	* 1.28	1.53	* 10.4	9.2	16.3	* 317.8	7.75	185
D * 18: 9	* 8754.1	8751.0	8697.0	* 36.2	* 35.9	90	3800	1862	508	* 530	* 9.2	9.6	79.2	99.6	1.04	.96	* 7	* 1.32	1.53	* 10.2	9.2	16.3	* 318.8	7.78	184
D * 18:11	* 8755.0	8751.0	8697.0	* 36.2	* 37.3	88	3600	1858	512	* 528	* 9.2	9.6	79.2	99.9	1.04	.96	* 7	* 1.32	1.53	* 10.2	9.3	16.3	* 318.8	7.80	184
D * 18:12	* 8756.0	8752.0	8697.0	* 47.7	* 38.9	88	3700	1853	508	* 530	* 9.1	9.6	79.3	99.5	1.04	.96	* 7	* 1.24	1.53	* 10.7	9.2	16.4	* 319.8	7.82	184
D * 18:14	* 8757.1	8754.1	8699.0	* 30.1	* 39.3	89	3600	1858	509	* 534	* 9.2	9.5	79.7	99.0	1.03	.97	* 7	* 1.39	1.53	* 9.6	9.3	16.1	* 321.9	7.86	184
D * 18:15	* 8758.4	8755.0	8699.0	* 84.9	* 37.1	89	3900	1862	508	* 534	* 9.2	9.6	79.7	98.7	1.03	.97	* 7	* 1.10	1.53	* 10.0	9.3	16.2	* 322.8	7.87	183
D * 18:17	* 8759.4	8755.0	8702.0	* 84.9	* 36.2	90	2700	1853	512	* 532	* 9.2	9.6	79.8	98.7	1.03	.97	* 7	* 1.10	1.53	* 10.0	9.3	16.2	* 322.8	7.91	183
D * 18:18	* 8760.2	8756.4	8702.0	* 32.7	* 36.5	88	2700	1862	508	* 534	* 9.2	9.6	79.9	98.7	1.03	.97	* 7	* 1.34	1.53	* 10.0	9.3	16.2	* 324.2	7.93	183
D * 18:20	* 8761.2	8758.2	8704.0	* 36.5	* 37.0	87	3000	1853	510	* 536	* 9.2	9.6	80.0	98.8	1.02	.97	* 7	* 1.32	1.53	* 10.1	9.3	16.3	* 326.0	7.96	182
D * 18:23	* 8762.5	8758.2	8705.0	* 36.5	* 36.4	89	2600	1853	508	* 540	* 9.2	9.5	80.2	99.9	1.02	.96	* 7	* 1.32	1.53	* 10.1	9.3	16.3	* 326.0	8.00	182
D * 18:24	* 8763.5	8759.5	8705.0	* 27.3	* 35.0	88	2800	1853	509	* 538	* 9.2	9.5	80.2	99.9	1.02	.96	* 7	* 1.39	1.53	* 9.6	9.2	16.1	* 327.3	8.02	182
D * 18:25	* 8764.0	8760.5	8705.0	* 84.1	* 37.5	92	3400	1848	507	* 540	* 9.2	9.5	80.3	99.5	1.02	.97	* 7	* 1.08	1.53	* 10.0	9.3	16.2	* 328.3	8.04	182
D * 18:34	* 8765.1	8762.1	8708.0	* 38.2	* -1.5	78	1500	1872	507	* 577	* 9.2	9.6	80.5	98.1	1.03	.97	* 7	* 1.17	1.53	* 10.0	9.3	16.2	* 329.9	8.07	181
D * 18:34	* 8766.2	8763.2	8708.0	* 598.2	* 34.1	86	3100	1881	508	* 577	* 9.2	9.5	80.5	98.7	1.02	.97	* 7	* .40	1.53	* 10.0	9.2	16.2	* 331.0	8.08	181
D * 18:35	* 8767.2	8763.2	8708.0	* 598.2	* 36.0	88	3600	1905	518	* 568	* 9.2	9.5	80.5	97.2	1.03	.99	* 7	* .40	1.53	* 10.0	9.3	16.2	* 331.0	8.09	181
D * 18:38	* 8768.4	8764.2	8711.0	* 52.5	* 37.5	91	3600	1914	517	* 556	* 9.2	9.5	80.4	97.4	1.03	.98	* 7	* 1.22	1.53	* 10.0	9.3	16.2	* 332.0	8.14	181
D * 18:40	* 8769.2	8766.2	8713.0	* 25.0	* 35.6	88	3500	1905	517	* 550	* 9.2	9.6	80.4	97.2	1.03	.97	* 7	* 1.41	1.53	* 9.5	9.3	16.1	* 334.1	8.17	180
D * 18:42	* 8770.4	8766.2	8713.0	* 25.0	* 35.0	89	3600	1909	519	* 550	* 9.2	9.6	80.4	98.1	1.03	.97	* 7	* 1.41	1.53	* 9.5	9.3	16.1	* 334.1	8.20	180
D * 18:43	* 8771.1	8768.1	8713.0	* 33.8	* 34.7	87	3700	1905	517	* 552	* 9.2	9.6	80.3	97.9	1.03	.97	* 7	* 1.32	1.53	* 10.2	9.2	16.3	* 335.9	8.22	180
D * 18:46	* 8772.1	8769.1	8715.0	* 26.8	* 32.5	88	3800	1905	516	* 554	* 9.2	9.6	80.4	97.9	1.03	.96	* 7	* 1.36	1.53	* 9.9	9.3	16.2	* 336.9	8.26	180
D * 18:46	* 8773.3	8770.3	8715.0	* 216.7	* 31.2	87	2700	1905	518	* 554	* 9.2	9.6	80.3	97.9	1.03	.97	* 7	* .79	1.53	* 10.0	9.3	16.2	* 338.1	8.27	179
D * 18:48	* 8774.5	8771.5	8716.0	* 32.9	* 32.9	87	3600	1900	516	* 554	* 9.2	9.6	80.3	97.6	1.03	.97	* 7	* 1.32	1.53	* 10.2	9.2	16.3	* 339.3	8.31	179
D * 18:49	* 8775.2	8772.2	8716.0	* 35.7	* 36.9	87	2700	1900	521	* 554	* 9.2	9.6	80.4	98.2	1.03	.96	* 7	* 1.29	1.53	* 10.4	9.3	16.3	* 340.0	8.32	179
D * 18:51	* 8776.5	8773.5	8719.0	* 37.9	* 38.2	88	2900	1900	513	* 556	* 9.2	9.6	80.3	99.0	1.03	.95	* 7	* 1.28	1.53	* 10.4	9.2	16.3	* 341.3	8.36	178
D * 18:52	* 8777.4	8774.4	8719.0	* 48.7	* 33.8	89	2800	1900	518	* 558	* 9.2	9.6	80.3	98.7	1.03	.95	* 7	* 1.21	1.53	* 10.0	9.3	16.2	* 342.2	8.38	178
D * 18:54	* 8778.4	8775.4	8721.0	* 47.6	* 34.5	88	2700	1900	513	* 558	* 9.2	9.6	80.3	98.9	1.03	.95	* 7	* 1.22	1.53	* 10.0	9.3	16.2	* 343.2	8.40	178
D * 18:55	* 8779.1	8775.4	8721.0	* 47.6	* 29.0	89	2600	1895	517	* 558	* 9.2	9.6	80.4	99.0	1.03	.95	* 7	* 1.22	1.53	* 10.0	9.2	16.2	* 343.2	8.41	178
D * 18:56	* 8780.1	8777.1	8721.0	* 41.0	* 34.6	88	2600	1895	513	* 560	* 9.2	9.6	80.5	98.8	1.03	.95	* 7	* 1.25	1.53	* 10.7	9.3	16.4	* 344.9	8.44	177
D * 19: 0	* 8781.6	8778.6	8725.0	* 22.9	* 34.4	89	2900	1886	516	* 556	* 9.2	9.6	81.1	98.8	1.01	.95	* 7	* 1.41	1.53	* 9.5	9.3	16.1	* 346.4	8.50	177
D * 19: 2	* 8782.1	8779.1	8725.0	* 14.6	* 35.1	89	2900	1881	519	* 554	* 9.2	9.6	81.4												