

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

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

TIME	MEASURED	DEPTH			DRILLING PARAMETERS					MUD PARAMETERS				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	kibs	rpm	ftlb	psi	gpm	bbbls	ppg	IN	OUT	IN	OUT	ohm	unit	ppg	ppg	ppg	feet	DHr	\$		
D * 14:47	* 8635.6	8632.5	8571.0	* 34.7	* 33.7	87	3300	2012	523	* 480	* 9.3	9.6	84.5	99.4	.92	.91	* 7	* 1.31	1.52	* 10.1	9.4	16.2	* 200.3	4.86	240 *
D * 14:48	* 8636.1	8633.1	8571.0	* 37.1	* 35.3	86	3500	2055	545	* 480	* 9.3	9.6	84.6	99.5	.92	.90	* 7	* 1.29	1.52	* 10.3	9.4	16.3	* 200.9	4.88	240 *
D * 14:50	* 8637.5	8633.1	8573.0	* 37.1	* 38.0	87	3400	1914	517	* 478	* 9.3	9.6	84.6	99.7	.92	.89	* 7	* 1.29	1.52	* 10.3	9.4	16.3	* 200.9	4.90	240 *
D * 14:50	* 8638.0	8635.0	8573.0	* 100.4	* 37.1	88	3400	1909	516	* 480	* 9.3	9.6	84.6	99.6	.92	.90	* 7	* 1.05	1.52	* 10.0	9.4	16.2	* 202.8	4.91	238 *
D * 14:52	* 8639.3	8636.3	8573.0	* 37.9	* 38.0	87	3300	1886	516	* 478	* 9.3	9.5	84.7	99.8	.92	.90	* 7	* 1.30	1.52	* 10.2	9.3	16.2	* 204.1	4.95	237 *
D * 14:59	* 8640.9	8636.3	8579.0	* 37.9	* 1.2	63	2100	1923	512	* 488	* 9.3	9.6	84.3	99.5	.93	.90	* 7	* 1.30	1.52	* 10.2	9.3	16.2	* 204.1	4.96	237 *
D * 14:59	* 8642.3	8639.3	8579.0	* 145.5	* 26.0	91	3200	1923	512	* 488	* 9.3	9.7	84.2	99.1	.93	.90	* 7	* .77	1.52	* 10.0	9.4	16.2	* 207.1	4.97	234 *
D * 15: 1	* 8643.2	8639.3	8579.0	* 145.5	* 39.0	92	3500	1923	519	* 486	* 9.3	9.7	83.9	99.5	.94	.90	* 7	* .77	1.52	* 10.0	9.4	16.2	* 207.1	5.00	234 *
D * 15: 2	* 8644.5	8641.5	8580.0	* 77.4	* 36.0	89	3600	1919	521	* 482	* 9.3	9.6	83.8	99.7	.94	.90	* 7	* 1.12	1.52	* 10.0	9.4	16.2	* 209.4	5.02	233 *
D * 15: 3	* 8645.0	8641.5	8580.0	* 77.4	* 34.2	96	3500	1914	518	* 480	* 9.3	9.6	83.7	99.6	.94	.90	* 7	* 1.12	1.52	* 10.0	9.4	16.2	* 209.4	5.03	233 *
D * 15: 5	* 8646.5	8643.5	8580.0	* 48.8	* 37.9	89	4000	1923	518	* 478	* 9.3	9.7	83.4	99.2	.94	.90	* 7	* 1.25	1.52	* 10.6	9.3	16.3	* 211.3	5.06	231 *
D * 15: 6	* 8647.3	8643.5	8580.0	* 48.8	* 38.0	91	3900	1919	516	* 480	* 9.3	9.6	83.3	99.6	.94	.90	* 7	* 1.25	1.52	* 10.6	9.3	16.3	* 211.3	5.08	231 *
D * 15: 8	* 8648.1	8645.0	8580.0	* 26.5	* 38.4	91	3800	1909	520	* 480	* 9.3	9.7	83.2	98.8	.94	.91	* 7	* 1.44	1.52	* 10.0	9.4	16.2	* 212.0	5.11	231 *
D * 15: 9	* 8649.1	8645.0	8583.0	* 26.5	* 36.1	89	3600	1919	517	* 480	* 9.3	9.6	83.1	98.7	.94	.91	* 7	* 1.44	1.52	* 10.0	9.3	16.2	* 212.0	5.13	231 *
D * 15:10	* 8650.2	8647.2	8583.0	* 102.3	* 36.3	89	3500	1909	516	* 480	* 9.3	9.7	83.1	98.5	.95	.91	* 7	* 1.03	1.52	* 10.0	9.3	16.2	* 215.0	5.14	229 *
D * 15:11	* 8651.1	8648.1	8583.0	* 58.0	* 39.7	88	3800	1919	521	* 480	* 9.3	9.7	83.0	98.5	.95	.91	* 7	* 1.22	1.52	* 10.0	9.3	16.2	* 215.9	5.16	228 *
D * 15:12	* 8652.2	8649.2	8586.0	* 49.7	* 40.6	89	2900	1919	517	* 480	* 9.3	9.6	82.8	98.3	.95	.91	* 7	* 1.27	1.52	* 10.5	9.3	16.3	* 217.0	5.19	227 *
D * 15:14	* 8653.4	8649.2	8586.0	* 49.7	* 35.5	91	2800	1914	517	* 480	* 9.3	9.6	82.7	98.8	.95	.90	* 7	* 1.27	1.52	* 10.5	9.3	16.3	* 217.0	5.21	227 *
D * 15:15	* 8654.4	8651.3	8589.0	* 32.5	* 32.9	92	3300	1909	517	* 482	* 9.3	9.7	82.6	99.6	.95	.90	* 7	* 1.34	1.52	* 9.9	9.4	16.2	* 219.1	5.24	226 *
D * 15:17	* 8655.3	8652.3	8589.0	* 42.6	* 32.6	89	3700	1909	517	* 484	* 9.3	9.6	82.6	99.7	.95	.89	* 7	* 1.25	1.52	* 10.6	9.3	16.3	* 220.1	5.26	225 *
D * 15:18	* 8656.2	8652.3	8591.0	* 42.6	* 34.0	91	3800	1905	518	* 486	* 9.3	9.6	82.5	100.2	.95	.90	* 7	* 1.25	1.52	* 10.6	9.3	16.3	* 220.1	5.28	225 *
D * 15:20	* 8657.1	8654.1	8591.0	* 38.2	* 34.8	89	2700	1909	516	* 486	* 9.3	9.6	82.4	100.0	.95	.89	* 7	* 1.29	1.52	* 10.3	9.3	16.3	* 221.9	5.31	224 *
D * 15:22	* 8658.0	8655.0	8593.0	* 25.8	* 35.5	89	3700	1905	517	* 488	* 9.3	9.6	82.3	100.1	.95	.91	* 7	* 1.39	1.52	* 9.6	9.3	16.1	* 222.0	5.34	224 *
D * 15:24	* 8660.0	8657.0	8593.0	* 58.8	* 33.8	93	3500	1900	518	* 488	* 9.3	9.7	82.1	99.4	.95	.91	* 7	* 1.18	1.52	* 10.0	9.3	16.2	* 224.8	5.38	223 *
D * 15:26	* 8661.6	8658.6	8595.0	* 38.3	* 36.1	90	3500	1890	517	* 488	* 9.3	9.7	82.1	99.8	.95	.91	* 7	* 1.30	1.52	* 10.2	9.3	16.2	* 226.4	5.42	222 *
D * 15:28	* 8662.0	8659.0	8598.0	* 18.5	* 32.8	89	3400	1895	516	* 492	* 9.3	9.7	82.0	99.2	.95	.92	* 7	* 1.49	1.52	* 10.0	9.3	16.2	* 226.8	5.44	222 *
D * 15:29	* 8663.1	8659.0	8598.0	* 18.5	* 30.8	93	3400	1890	516	* 492	* 9.3	9.7	82.1	99.3	.95	.91	* 7	* 1.49	1.52	* 10.0	9.3	16.2	* 226.8	5.45	222 *
D * 15:30	* 8664.1	8661.1	8598.0	* 32.7	* 31.7	90	3400	1900	521	* 494	* 9.3	9.6	82.1	99.4	.95	.91	* 7	* 1.32	1.52	* 10.1	9.4	16.2	* 228.9	5.47	220 *
D * 15:32	* 8665.1	8662.1	8601.0	* 47.6	* 35.9	89	3800	1895	516	* 494	* 9.3	9.7	82.0	99.2	.95	.92	* 7	* 1.23	1.52	* 10.7	9.3	16.4	* 229.9	5.51	220 *
D * 15:33	* 8666.3	8662.1	8601.0	* 47.6	* 34.2	92	2800	1890	517	* 492	* 9.3	9.7	82.0	99.3	.96	.92	* 7	* 1.23	1.52	* 10.7	9.3	16.4	* 229.9	5.54	220 *
D * 15:35	* 8667.1	8663.3	8604.0	* 48.4	* 37.7	91	3700	1890	521	* 494	* 9.3	9.7	82.0	98.9	.95	.92	* 7	* 1.29	1.53	* 10.3	9.3	16.3	* 231.1	5.56	219 *
D * 15:36	* 8668.3	8665.3	8604.0	* 72.4	* 35.3	89	3600	1890	516	* 494	* 9.3	9.7	82.0	99.0	.95	.92	* 7	* 1.13	1.53	* 10.0	9.3	16.2	* 233.2	5.58	218 *
D * 15:38	* 8669.4	8666.4	8606.0	* 43.3	* 33.1	89	3700	1890	513	* 496	* 9.3	9.7	82.0	99.1	.96	.91	* 7	* 1.25	1.53	* 10.6	9.3	16.3	* 234.2	5.61	217 *
D * 15:39	* 8670.8	8667.0	8606.0	* 27.5	* 30.4	91	3600	1900	516	* 496	* 9.3	9.6	81.9	99.1	.96	.92	* 7	* 1.35	1.53	* 9.9	9.3	16.2	* 234.8	5.63	217 *
D * 15:40	* 8671.1	8668.1	8606.0	* 75.0	* 34.4	92	3500	1890	513	* 496	* 9.3	9.7	81.8	99.3	.95	.91	* 7	* 1.10	1.53	* 10.0	9.3	16.2	* 235.9	5.64	216 *
D * 15:42	* 8672.1	8669.1	8608.0	* 38.5	* 32.9	93	3500	1900	516	* 498	* 9.3	9.7	81.9	98.9	.96	.91	* 7	* 1.27	1.53	* 10.5	9.3	16.3	* 236.9	5.67	216 *
D * 15:43	* 8673.2	8669.1	8608.0	* 38.5	* 35.9	93	3700	1876	524	* 508	* 9.3	9.7	81.8	98.6	.96	.92	* 7	* 1.27	1.53	* 10.5	9.3	16.3	* 236.9	5.70	216 *
D * 15:53	* 8674.2	8671.2	8609.0	* 28.8	* 32.6	92	3400	1876	508	* 514	* 9.3	9.6	81.5	98.7	.96	.93	* 7	* 1.40	1.53	* 9.5	9.3	16.1	* 239.0	5.75	215 *
D * 15:54	* 8675.2	8672.2	8609.0	* 184.4	* 38.3	91	3400	1872	517	* 516	* 9.3	9.7	81.5	98.8	.96	.93	* 7	* 1.03	1.53	* 10.0	9.3	16.2	* 240.0	5.75	214 *
D * 15:56	* 8676.5	8673.5	8611.0	* 32.3	* 39.1	91	3200	1862	509	* 510	* 9.3	9.7	81.3	98.3	.96	.92	* 7	* 1.36	1.53	* 9.8	9.3	16.2	* 241.3	5.80	214 *
D * 15:57	* 8677.1	8673.5	8611.0	* 32.3	* 36.4	92	2900	1867	508	* 510	* 9.3	9.6	81.3	98.7	.96	.93	* 7	* 1.36	1.53	* 9.8	9.3	16.2	* 241.3	5.81	214 *
D * 15:59	* 8678.2	8675.2	8614.0	* 40.3	* 38.7	91	2900	1867	508	* 510	* 9.3	9.7	81.4	99.1	.97	.92	* 7	* 1.31	1.53	* 10.2	9.3	16.2	* 243.0	5.84	213 *
D * 16: 1	* 8679.8	8676.8	8616.0	* 45.9	* 38.5	92	3200	1872	513	* 508	* 9.3	9.7	81.2	99.1	.97	.92	* 7	* 1.27	1.53	* 10.5	9.3	16.3	* 244.6	5.88	212 *
D * 16: 2	* 8680.3	8677.3	8616.0	* 60.1	* 34.1	88	2900	1867	508	* 508	* 9.3	9.7	81.3	98.6	.97	.94	* 7	* 1.19	1.53	* 10.0	9.3	16.2	* 245.1	5.89	212 *
D * 16: 3	* 8681.1	8678.1	8616.0	* 46.0	* 35.9	91	3000	1867	513	* 510	* 9.2	9.7	81.2	98.3	.97	.93	* 7	* 1.25	1.53	* 10.6	9.3	16.3	* 245.9	5.90	211 *
D * 16: 5	* 8682.3	8679.3	8619.0	* 38.8	* 35.9	89	2700	1872	508	* 510	* 9.3	9.7	81.2	98.9	.97	.93	* 7	* 1.37	1.53	* 9.7	9.3	16.1	* 247.1	5.94	211 *
D * 16: 6	* 8683.8	8679.3	8619.0	* 38.8	* 37.5	93	2900	1933	512	* 514	* 9.3	9.7	81.2	99.2	.97	.92	* 7	* 1.37	1.53	* 9.7	9.3	16.1	* 247.1	5.96	211 *
D * 16: 8	* 8684.5	8681.5	8622.0	* 78.4	* 32.8	92	2700	1933	517	* 514	* 9.3	9.7	81.2	98.9	.97	.93	* 7	* 1.10	1.53	* 10.0	9.3	16.2	* 249.3	5.98	209 *
D * 16: 9	* 8685.1	8681.5	8622.0	* 78.4	* 35.9	91	2900	1933	517</																