

* BIT # 33 SMITH F7 BIT DIAMETER : 8.50 inch NOZZ 12/12/12 MUD RHEOLOGICAL PARAMETERS : PV = 14 YP = 7 GEL = 2 *

466645

* TIME *		* DEPTH *			* DRILLING PARAMETERS *							* MUD PARAMETERS *				* GAG *				* OVERPRESSURE SURVEY *				* ACCUMULATED ON BIT *		
* MEASURED	* VERTCL	* LAGGED	* ROP	* WOB	RPM	TORG	PRESS	FLOW	* PIT	* DENSITY	TEMPERATURE		RESISTIVITY		* DCS	NORM	PF	ECD	FRAC	* FEET	TIME	* COST				
* Hr:mn	* feet	* feet	* ft/h	* klbs	rpm	ftlb	psi	gpm	* bbls	* ppg	degF		ohm		* unit	* ppg	ppg	ppg	* feet	DHr	* \$					
D * 23: 7	* 11347.2	11345.2	11337.0	* 13.8	* 41.5	62	2000	1694	325	* 476	* 9.6	9.6	88.3	104.3	1.23	1.21	* 15	* 1.77	2.32	* 8.8	9.7	17.0	* 51.0	9.54	1411	
D * 23:18	* 11348.4	11346.4	11338.0	* 6.7	* 39.2	62	2000	1694	330	* 476	* 9.6	9.6	88.4	103.8	1.22	1.21	* 15	* 2.01	2.32	* 8.8	9.8	17.0	* 52.2	9.72	1390	
D * 23:22	* 11349.0	11347.0	11339.0	* 10.1	* 40.3	62	2000	1694	330	* 476	* 9.6	9.6	88.6	103.5	1.22	1.22	* 15	* 1.86	2.32	* 8.8	9.7	17.0	* 52.9	9.78	1378	
D * 23:33	* 11350.1	11348.1	11340.0	* 6.0	* 37.9	60	2000	1690	329	* 472	* 9.6	9.6	88.8	104.5	1.23	1.21	* 15	* 2.03	2.32	* 10.4	9.8	17.4	* 53.9	9.96	1363	
D * 23:43	* 11351.0	11348.1	11341.0	* 6.0	* 40.2	61	2000	1703	329	* 472	* 9.5	9.7	89.0	104.9	1.23	1.20	* 15	* 2.03	2.32	* 10.4	9.7	17.4	* 53.9	10.12	1363	
D * 23:53	* 11352.0	11350.0	11342.0	* 6.1	* 42.8	62	2100	1711	330	* 474	* 9.6	9.5	89.1	104.3	1.22	1.21	* 15	* 2.04	2.32	* 10.4	9.8	17.4	* 55.9	10.29	1338	
D * 0: 8	* 11353.1	11350.0	11343.0	* 6.1	* 37.8	63	2100	1754	334	* 482	* 9.5	9.6	89.3	103.9	1.23	1.21	* 15	* 2.04	2.32	* 10.4	9.8	17.4	* 55.9	10.36	1338	
D * 0:18	* 11354.1	11352.1	11344.0	* 6.4	* 42.5	62	2100	1677	325	* 472	* 9.6	9.6	89.2	104.3	1.23	1.20	* 15	* 2.01	2.32	* 8.8	9.7	17.0	* 57.9	10.52	1364	
D * 0:33	* 11355.2	11353.1	11346.0	* 4.1	* 41.4	62	2200	1690	325	* 478	* 9.5	9.6	89.4	105.0	1.22	1.20	* 15	* 2.16	2.32	* 9.7	9.7	17.2	* 59.0	10.77	1297	
D * 0:43	* 11356.0	11353.1	11347.0	* 4.1	* 41.4	62	2100	1681	325	* 478	* 9.5	9.5	89.5	104.7	1.23	1.21	* 14	* 2.16	2.32	* 9.7	9.7	17.2	* 59.0	10.94	1297	
D * 0:56	* 11357.2	11355.1	11349.0	* 5.3	* 41.7	63	2100	1685	329	* 468	* 9.6	9.6	89.6	104.4	1.22	1.21	* 14	* 2.07	2.32	* 10.1	9.7	17.3	* 61.0	11.16	1277	
D * 1: 7	* 11358.0	11356.0	11350.0	* 4.5	* 40.5	65	2100	1681	325	* 466	* 9.5	9.5	89.6	105.9	1.22	1.19	* 15	* 2.11	2.32	* 10.0	9.7	17.3	* 61.8	11.35	1271	
D * 1:20	* 11359.0	11356.0	11351.0	* 4.5	* 36.4	65	2100	1685	325	* 470	* 9.5	9.5	89.9	105.1	1.22	1.20	* 14	* 2.11	2.32	* 10.0	9.7	17.3	* 61.8	11.55	1271	
D * 1:29	* 11360.0	11358.0	11352.0	* 7.1	* 36.8	68	2100	1690	325	* 470	* 9.5	9.5	90.1	105.5	1.22	1.19	* 15	* 1.93	2.32	* 8.8	9.7	17.0	* 63.9	11.70	1250	
D * 1:37	* 11361.1	11359.0	11353.0	* 7.2	* 42.4	62	2200	1694	325	* 478	* 9.5	9.5	90.2	105.7	1.22	1.19	* 14	* 1.99	2.32	* 8.8	9.7	17.0	* 64.9	11.84	1239	
D * 2: 1	* 11362.1	11360.1	11355.0	* 2.7	* 36.2	63	2100	1690	329	* 468	* 9.5	9.5	90.5	104.4	1.22	1.22	* 15	* 2.21	2.32	* 9.5	9.7	17.2	* 66.8	12.23	1240	
D * 2:16	* 11363.6	11361.6	11356.0	* 5.7	* 32.6	62	2200	1690	325	* 468	* 9.5	9.5	90.7	105.4	1.22	1.21	* 15	* 1.95	2.32	* 8.8	9.7	17.0	* 67.4	12.49	1227	
D * 2:23	* 11364.1	11362.0	11357.0	* 4.2	* 34.6	63	2100	1694	325	* 466	* 9.5	9.5	90.6	105.6	1.22	1.20	* 15	* 2.02	2.32	* 8.8	9.7	17.0	* 67.9	12.59	1224	
D * 2:31	* 11365.1	11363.1	11357.0	* 7.4	* 31.8	62	2100	1694	329	* 466	* 9.5	9.5	90.8	105.6	1.22	1.20	* 15	* 1.84	2.32	* 8.8	9.7	17.0	* 68.9	12.73	1213	
D * 2:44	* 11366.0	11364.0	11358.0	* 4.5	* 32.9	66	2100	1690	325	* 466	* 9.5	9.6	90.8	105.6	1.22	1.20	* 15	* 2.00	2.33	* 8.8	9.7	17.0	* 69.9	12.94	1208	
D * 2:54	* 11367.2	11365.2	11359.0	* 6.9	* 32.3	64	2100	1690	323	* 464	* 9.6	9.5	90.9	105.2	1.22	1.20	* 15	* 1.88	2.33	* 8.8	9.7	17.0	* 71.0	13.11	1197	
D * 3: 4	* 11368.1	11366.1	11361.0	* 5.6	* 33.8	62	2100	1698	325	* 468	* 9.6	9.5	91.0	105.8	1.22	1.20	* 15	* 1.96	2.33	* 8.8	9.7	17.0	* 72.0	13.28	1190	
D * 3:13	* 11369.0	11366.1	11361.0	* 5.6	* 33.2	62	2100	1694	325	* 464	* 9.5	9.5	91.2	106.1	1.22	1.20	* 15	* 1.96	2.33	* 8.8	9.7	17.0	* 72.0	13.43	1190	
D * 3:25	* 11370.3	11367.0	11361.0	* 5.8	* 36.5	66	2100	1690	325	* 464	* 9.6	9.5	91.3	105.7	1.22	1.20	* 15	* 1.95	2.33	* 8.8	9.7	17.0	* 72.8	13.63	1183	
D * 3:36	* 11371.2	11369.2	11362.0	* 5.1	* 38.2	62	2100	1681	321	* 464	* 9.6	9.5	91.3	106.4	1.22	1.20	* 15	* 2.03	2.33	* 10.5	9.7	17.4	* 75.0	13.81	1167	
D * 3:49	* 11372.4	11370.3	11363.0	* 5.1	* 36.4	64	2200	1694	325	* 462	* 9.5	9.6	91.3	105.6	1.22	1.21	* 15	* 2.01	2.33	* 8.8	9.7	17.0	* 76.2	14.04	1160	
D * 3:55	* 11373.2	11371.1	11364.0	* 9.1	* 35.3	65	2200	1694	325	* 462	* 9.5	9.6	91.3	105.7	1.22	1.20	* 15	* 1.83	2.33	* 8.8	9.7	17.0	* 77.0	14.12	1152	
D * 4: 1	* 11374.3	11371.1	11365.0	* 9.1	* 40.8	62	2100	1690	325	* 464	* 9.6	9.5	91.3	106.5	1.22	1.18	* 15	* 1.83	2.33	* 8.8	9.8	17.0	* 77.0	14.23	1152	
D * 4: 5	* 11375.0	11373.0	11365.0	* 10.2	* 43.6	65	2100	1690	325	* 468	* 9.6	9.5	91.4	106.4	1.22	1.20	* 15	* 1.89	2.33	* 8.8	9.7	17.0	* 78.8	14.30	1133	
D * 4:21	* 11376.2	11373.0	11367.0	* 10.2	* 37.5	65	2100	1690	325	* 462	* 9.5	9.5	91.4	106.3	1.22	1.21	* 15	* 1.89	2.33	* 8.8	9.7	17.0	* 78.8	14.56	1133	
D * 4:31	* 11377.6	11375.3	11368.0	* 7.2	* 36.0	60	2100	1734	321	* 462	* 9.5	9.6	91.4	106.9	1.22	1.20	* 15	* 1.91	2.33	* 8.8	9.7	17.0	* 81.2	14.73	1120	
D * 4:39	* 11378.5	11376.4	11369.0	* 7.7	* 35.3	63	2100	1734	325	* 468	* 9.6	9.5	91.6	106.0	1.22	1.20	* 15	* 1.88	2.33	* 8.8	9.7	17.0	* 82.3	14.87	1111	
D * 4:48	* 11379.2	11377.2	11369.0	* 5.3	* 35.9	63	2000	1734	325	* 458	* 9.5	9.5	91.6	106.7	1.22	1.18	* 15	* 2.00	2.33	* 8.8	9.7	17.0	* 83.0	15.01	1107	
D * 5: 5	* 11380.2	11378.2	11371.0	* 3.4	* 36.7	65	2000	1729	324	* 458	* 9.6	9.4	91.6	106.3	1.22	1.19	* 15	* 2.16	2.33	* 9.8	9.8	17.3	* 84.0	15.30	1107	
D * 5:22	* 11381.2	11379.1	11373.0	* 3.5	* 39.6	61	2100	1725	321	* 456	* 9.6	9.5	91.7	106.8	1.22	1.22	* 15	* 2.18	2.33	* 9.7	9.7	17.2	* 85.0	15.50	1106	