

* BIT # 30 SMITH F3 BIT DIAMETER : 0.50 inch NOZZ 13/13/ 0 MUD RHEOLOGICAL PARAMETERS : PV = 17 YP = 10 GEL = 3 *

DEPTH		DRILLING PARAMETERS				MUD PARAMETERS				OVERPRESSURE SURVEY			ACCUMULATED ON BIT													
TIME	MEASURED	VERTCL	LAGGED	ROP	WOB	RPM	TORQ	PRESS	FLOW	PIT	DENSITY	TEMPERATURE	RESISTIVITY	SAG	DCS	NORM	PF	ECD	FRAC	FEET	TIME	COST				
Hr:mn	feet	feet	feet	ft/h	kilbs	rpm	ftlb	psi	gpm	bbls	ppg	degF	ohm	unit		ppg	ppg	ppg	feet	Dhr	\$					
D * 17:43	* 10713.0	10707.4	10700.0	* 14.2	* 35.1	63	1000	2355	326	* 456	* 9.6	9.8	88.1	105.2	1.20	1.18	* 7	* 1.61	2.21	* 8.8	9.8	16.8	* 101.7	9.82	681	*
D * 17:50	* 10714.2	10708.6	10701.0	* 9.9	* 36.3	66	1000	2360	329	* 456	* 9.6	9.7	88.4	106.1	1.20	1.17	* 7	* 1.73	2.21	* 8.8	9.8	16.8	* 103.1	9.94	678	*
D * 17:57	* 10715.1	10709.5	10701.0	* 7.7	* 37.0	64	1000	2369	329	* 452	* 9.6	9.8	88.5	104.9	1.20	1.20	* 7	* 1.81	2.21	* 8.8	9.8	16.8	* 104.0	10.05	676	*
D * 18: 4	* 10716.0	10709.5	10701.0	* 7.7	* 34.9	65	1000	2364	329	* 454	* 9.6	9.8	88.8	105.1	1.19	1.20	* 7	* 1.81	2.21	* 8.8	9.8	16.8	* 104.0	10.18	676	*
D * 18: 9	* 10717.0	10711.5	10703.0	* 15.0	* 34.0	63	1900	2364	326	* 454	* 9.6	9.9	88.8	105.6	1.19	1.19	* 7	* 1.58	2.21	* 8.8	9.8	16.8	* 105.9	10.25	679	*
D * 18:12	* 10718.5	10712.9	10705.0	* 22.9	* 36.7	63	1900	2369	326	* 456	* 9.6	9.8	88.9	104.7	1.19	1.20	* 7	* 1.42	2.21	* 8.8	9.8	16.8	* 107.4	10.31	663	*
D * 18:13	* 10719.4	10713.8	10705.0	* 55.3	* 30.5	64	1000	2364	329	* 454	* 9.6	9.8	89.0	104.9	1.19	1.22	* 7	* 1.18	2.21	* 8.8	9.8	16.8	* 108.3	10.32	658	*
D * 18:17	* 10720.4	10714.8	10706.0	* 14.7	* 30.7	64	1900	2360	326	* 452	* 9.6	9.8	89.0	105.5	1.19	1.19	* 7	* 1.57	2.21	* 8.8	9.8	16.8	* 109.3	10.39	655	*
D * 18:21	* 10721.2	10715.6	10706.0	* 13.0	* 29.7	63	1000	2364	326	* 452	* 9.6	9.8	89.0	105.5	1.20	1.21	* 7	* 1.58	2.21	* 8.8	9.8	16.8	* 110.1	10.46	652	*
D * 18:29	* 10722.1	10716.5	10707.0	* 6.9	* 37.6	64	1900	2369	329	* 448	* 9.6	9.8	89.1	105.5	1.19	1.21	* 7	* 1.81	2.21	* 8.8	9.8	16.8	* 110.9	10.50	651	*
D * 18:38	* 10723.0	10717.4	10708.0	* 6.5	* 34.8	64	1000	2364	330	* 452	* 9.6	9.8	89.1	104.4	1.20	1.21	* 7	* 1.84	2.21	* 8.8	9.8	16.8	* 111.9	10.73	650	*
D * 18:44	* 10724.0	10717.4	10709.0	* 6.5	* 33.8	63	1000	2360	329	* 452	* 9.6	9.8	89.1	105.1	1.20	1.20	* 7	* 1.84	2.21	* 8.8	9.8	16.8	* 111.9	10.83	650	*
D * 18:54	* 10725.1	10718.4	10709.0	* 9.6	* 38.2	66	1000	2355	328	* 452	* 9.6	9.9	89.3	104.7	1.20	1.22	* 7	* 1.72	2.21	* 8.8	9.8	16.8	* 112.9	11.00	648	*
D * 18:59	* 10726.1	10720.5	10711.0	* 12.4	* 35.6	66	1000	2360	326	* 454	* 9.6	9.8	89.2	105.0	1.20	1.21	* 7	* 1.62	2.21	* 8.8	9.8	16.8	* 115.0	11.08	644	*
D * 19:15	* 10727.3	10720.5	10714.0	* 12.4	* 34.7	64	1700	2369	326	* 454	* 9.6	9.8	89.3	104.0	1.20	1.22	* 7	* 1.62	2.21	* 8.8	9.8	16.8	* 115.0	11.26	644	*
D * 19:22	* 10728.1	10721.7	10715.0	* 6.6	* 36.8	65	1700	2350	326	* 454	* 9.6	9.8	89.3	104.0	1.20	1.21	* 7	* 1.84	2.21	* 8.8	9.8	16.8	* 116.2	11.38	643	*
D * 19:32	* 10729.1	10723.5	10716.0	* 6.8	* 34.8	63	1700	2360	326	* 454	* 9.6	9.9	89.4	105.1	1.21	1.19	* 7	* 1.88	2.21	* 8.8	9.8	16.8	* 118.0	11.55	642	*
D * 19:41	* 10730.1	10724.5	10719.0	* 6.3	* 31.4	65	1700	2355	330	* 456	* 9.6	9.8	89.5	104.7	1.21	1.19	* 7	* 1.83	2.21	* 8.8	9.8	16.8	* 119.0	11.70	641	*
D * 19:51	* 10731.0	10725.5	10721.0	* 6.3	* 35.4	64	1700	2360	326	* 454	* 9.6	9.8	89.6	105.4	1.21	1.19	* 7	* 1.82	2.21	* 8.8	9.8	16.8	* 119.9	11.86	641	*
D * 20: 0	* 10732.0	10726.5	10722.0	* 6.7	* 33.7	65	1000	2355	326	* 452	* 9.6	9.7	89.5	104.7	1.21	1.20	* 7	* 1.82	2.21	* 8.8	9.8	16.8	* 120.9	12.01	640	*
D * 20:10	* 10733.0	10727.4	10723.0	* 5.5	* 34.8	64	1000	2369	333	* 452	* 9.6	9.7	89.5	105.2	1.21	1.19	* 7	* 1.84	2.21	* 8.8	9.8	16.8	* 121.9	12.18	640	*
D * 20:17	* 10734.1	10728.5	10724.0	* 9.9	* 32.5	66	1700	2369	326	* 448	* 9.6	9.8	89.5	105.7	1.21	1.19	* 7	* 1.64	2.21	* 8.8	9.8	16.8	* 123.0	12.30	638	*
D * 20:32	* 10735.2	10729.6	10726.0	* 12.1	* 19.2	62	1400	2300	312	* 474	* 9.6	9.8	89.6	105.6	1.21	1.19	* 7	* 1.37	2.21	* 8.8	9.8	16.8	* 124.1	12.39	635	*
D * 20:32	* 10736.1	10729.6	10726.0	* 12.1	* 19.8	60	1600	2341	312	* 474	* 9.6	9.8	89.6	106.0	1.20	1.20	* 7	* 1.37	2.21	* 8.8	9.8	16.8	* 124.1	12.39	635	*
D * 20:55	* 10737.1	10731.5	10728.0	* 2.6	* 33.7	60	1700	2406	330	* 452	* 9.6	9.7	89.3	105.0	1.21	1.20	* 7	* 1.99	2.21	* 10.1	9.8	17.1	* 126.0	12.71	635	*
D * 21: 0	* 10738.2	10732.6	10729.0	* 13.2	* 30.9	63	1700	2402	330	* 458	* 9.6	9.7	89.1	106.0	1.21	1.19	* 7	* 1.54	2.21	* 8.8	9.8	16.8	* 127.1	12.79	632	*
D * 21: 9	* 10739.1	10732.6	10729.0	* 13.2	* 31.0	63	1700	2416	326	* 452	* 9.6	9.8	89.0	105.1	1.21	1.22	* 7	* 1.54	2.21	* 8.8	9.8	16.8	* 127.1	12.90	632	*
D * 21:17	* 10740.0	10733.5	10731.0	* 5.8	* 32.8	65	1700	2406	330	* 446	* 9.6	9.8	89.4	105.1	1.20	1.20	* 7	* 1.76	2.21	* 8.8	9.8	16.8	* 128.0	13.04	630	*
D * 21:30	* 10741.2	10735.7	10732.0	* 5.6	* 34.4	64	1700	2411	325	* 448	* 9.6	9.7	89.6	105.4	1.21	1.21	* 7	* 1.83	2.21	* 8.8	9.8	16.8	* 130.1	13.25	630	*
D * 21:35	* 10742.3	10736.7	10732.0	* 15.8	* 33.8	62	1700	2406	326	* 448	* 9.6	9.7	89.7	105.3	1.21	1.21	* 7	* 1.55	2.21	* 8.8	9.8	16.8	* 131.2	13.32	627	*
D * 21:42	* 10743.3	10737.7	10733.0	* 8.1	* 34.7	60	1700	2416	330	* 448	* 9.6	9.7	89.8	105.5	1.21	1.21	* 7	* 1.74	2.21	* 8.8	9.8	16.8	* 132.2	13.44	625	*
D * 21:50	* 10744.3	10738.7	10734.0	* 8.1	* 31.2	62	1700	2411	325	* 452	* 9.6	9.7	89.9	105.1	1.21	1.21	* 7	* 1.73	2.21	* 8.8	9.8	16.8	* 133.2	13.57	624	*
D * 21:57	* 10745.0	10739.4	10736.0	* 5.7	* 32.5	60	1700	2406	329	* 450	* 9.6	9.7	89.8	105.7	1.21	1.20	* 7	* 1.83	2.21	* 8.8	9.8	16.8	* 133.9	13.70	624	*
D * 22: 7	* 10746.0	10739.4	10736.0	* 5.7	* 33.4	66	1600	2402	334	* 452	* 9.6	9.6	89.8	106.0	1.21	1.20	* 7	* 1.83	2.21	* 8.8	9.8	16.8	* 133.9	13.87	624	*
D * 22:18	* 10747.3	10740.4	10737.0	* 5.8	* 28.7	62	1700	2406	334	* 450	* 9.6	9.7	89.8	105.2	1.21	1.22	* 7	* 1.84	2.21	* 8.8	9.8	16.8	* 134.9	14.04	624	*
D * 22:24	* 10748.3	10742.7	10738.0	* 8.6	* 30.3	62	1700	2402	329	* 452	* 9.6	9.7	89.7	105.9	1.21	1.19	* 7	* 1.67	2.21	* 8.8	9.8	16.8	* 137.2	14.15	621	*
D * 22:29	* 10749.1	10743.6	10738.0	* 9.7	* 32.4	60	1000	2406	326	* 458	* 9.6	9.7	89.9	105.5	1.21	1.21	* 7	* 1.64	2.21	* 8.8	9.8	16.8	* 138.0	14.24	620	*
D * 22:34	* 10753.5	10747.9	10739.0	* 8.5	* 30.9	60	1700	2416	330	* 452	* 9.6	9.8	89.9	106.0	1.21	1.20	* 7	* 1.15	2.21	* 8.8	9.8	16.8	* 142.4	14.32	603	*
D * 23:15	* 10754.2	10748.7	10744.0	* 1.1	* 33.8	60	1700	2406	330	* 454	* 9.6	9.8	90.1	105.0	1.21	1.21	* 7	* 2.33	2.21	* 8.8	9.8	16.8	* 143.1	15.00	617	*
D * 23:24	* 10755.3	10749.7	10745.0	* 6.9	* 32.9	60	1000	2421	330	* 454	* 9.6	9.8	90.3	105.6	1.21	1.21	* 7	* 1.76	2.21	* 8.8	9.8	16.8	* 144.2	15.15	616	*
D * 23:29	* 10756.0	10749.7	10745.0	* 6.9	* 33.9	61	1000	2411	326	* 452	* 9.6	9.9	90.3	106.1	1.21	1.21	* 7	* 1.76	2.21	* 8.8	9.8	16.8	* 144.2	15.23	616	*
D * 23:34	* 10757.5	10752.0	10746.0	* 17.1	* 29.8	62	1000	2411	329	* 452	* 9.6	9.8	90.4	105.1	1.21	1.21	* 7	* 1.49	2.21	* 8.8	9.8	16.8	* 146.4	15.32	611	*
D * 23:37	* 10758.0	10752.4	10746.0	* 9.3	* 33.8	60	1000	2406	330	* 452	* 9.6	9.9	90.4	105.7	1.21	1.21	* 7	* 1.67	2.21	* 8.8	9.8	16.8	* 146.9	15.37	610	*
D * 23:41	* 10759.2	10753.6	10747.0	* 20.6	* 34.8	62	1000	2406	330	* 450	* 9.6	9.9	90.4	105.8	1.21	1.20	* 7	* 1.43	2.21	* 8.8	9.8	16.8	* 148.1	15.43	607	*
D * 23:45	* 10760.1	10754.6	10748.0	* 12.4	* 33.8	62	1000	2411	329	* 452	* 9.6	9.7	90.5	105.6	1.21	1.21	* 7	* 1.59	2.21	* 8.8	9.8	16.8	* 149.0	15.50	605	*
D * 23:50	* 10761.1	10755.6	10748.0	* 12.7	* 38.7	61	1000	2402	330	* 450	* 9.6	9.8	90.3	106.2	1.21	1.21	* 7	* 1.55	2.21	* 8.8	9.8	16.8	* 150.0	15.58	603	*
D * 0: 5	* 10762.0	10755.6																								