

\* BIT # 22 SMITH F3 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				GAS				OVERPRESSURE SURVEY				ACCUMULATED ON BIT				
		VERTCL	LAGGED	ROP	WOB	RPM	TORQ	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	bbbls	IN	OUT	IN	OUT	ohm	unit	ppg	ppg	ppg	feet	DHr	\$			
D * 10:49	* 8486.1	8483.1	8486.0	* 30.2	* 34.3	81	3100	1947	529	* 374	* 9.3	9.4	78.4	95.7	.89	.85	* 7	* 1.37	1.51	* 9.6	9.4	16.1	* 50.9	1.49	705
D * 10:50	* 8487.0	8484.0	8486.0	* 34.2	* 33.8	80	-100	1905	525	* 374	* 9.3	9.4	78.6	95.7	.89	.85	* 7	* 1.25	1.51	* 10.5	9.4	16.3	* 51.0	1.51	693
D * 10:59	* 8488.1	8484.0	8439.0	* 34.2	* 30.0	80	3200	1966	538	* 390	* 9.3	9.4	79.5	95.6	.88	.85	* 7	* 1.25	1.51	* 10.5	9.4	16.3	* 51.0	1.56	693
D * 11: 1	* 8489.2	8485.1	8441.0	* 29.1	* 33.1	78	3200	1853	512	* 382	* 9.3	9.4	79.6	95.2	.88	.85	* 7	* 1.23	1.51	* 10.6	9.4	16.3	* 52.9	1.59	684
D * 11: 2	* 8490.3	8487.3	8441.0	* 34.3	* 33.1	82	3200	1928	521	* 378	* 9.3	9.4	79.6	95.2	.88	.86	* 7	* 1.30	1.51	* 10.1	9.4	16.2	* 55.1	1.62	660
D * 11: 4	* 8491.1	8488.1	8442.0	* 26.1	* 33.9	79	3100	1928	530	* 380	* 9.3	9.4	79.6	95.4	.88	.85	* 7	* 1.35	1.51	* 9.8	9.4	16.1	* 55.9	1.65	652
D * 11: 4	* 8492.1	8489.1	8442.0	* 281.8	* 32.7	80	3100	1933	529	* 380	* 9.3	9.5	79.6	95.4	.88	.86	* 7	* .73	1.51	* 10.2	9.4	16.2	* 56.9	1.65	641
D * 11: 6	* 8493.2	8490.2	8442.0	* 40.6	* 37.4	81	3200	1942	522	* 384	* 9.4	9.4	79.4	95.6	.89	.86	* 7	* 1.31	1.51	* 10.1	9.4	16.2	* 58.0	1.68	630
D * 11: 8	* 8494.5	8491.5	8443.0	* 33.1	* 34.1	82	3000	1942	525	* 394	* 9.3	9.4	79.1	95.6	.90	.87	* 7	* 1.34	1.51	* 9.9	9.4	16.1	* 59.3	1.72	619
D * 11: 9	* 8495.0	8492.0	8443.0	* 34.1	* 33.7	79	3000	1937	525	* 400	* 9.3	9.4	78.9	95.7	.90	.87	* 7	* 1.31	1.51	* 10.1	9.4	16.2	* 59.0	1.73	614
D * 11:11	* 8496.1	8492.0	8444.0	* 34.1	* 42.4	80	3200	1942	525	* 404	* 9.3	9.4	78.6	95.7	.90	.88	* 7	* 1.31	1.51	* 10.1	9.4	16.2	* 59.0	1.76	614
D * 11:12	* 8497.0	8494.0	8444.0	* 61.8	* 41.5	78	3200	1942	525	* 408	* 9.4	9.4	78.5	96.2	.90	.86	* 7	* 1.21	1.51	* 10.8	9.4	16.3	* 61.0	1.77	597
D * 11:14	* 8498.6	8495.6	8446.0	* 36.7	* 41.0	84	3100	1947	525	* 416	* 9.3	9.4	78.8	97.0	.91	.85	* 7	* 1.34	1.51	* 9.9	9.4	16.1	* 63.4	1.82	584
D * 11:15	* 8499.1	8496.1	8446.0	* 26.4	* 39.0	82	3100	1951	525	* 424	* 9.3	9.4	77.8	97.1	.91	.85	* 7	* 1.47	1.51	* 10.2	9.4	16.2	* 63.9	1.83	581
D * 11:16	* 8500.0	8497.0	8448.0	* 104.2	* 36.1	80	3000	1951	522	* 426	* 9.3	9.4	77.7	97.0	.91	.85	* 7	* 1.07	1.51	* 10.2	9.3	16.2	* 64.9	1.85	573
D * 11:17	* 8501.1	8498.1	8448.0	* 42.3	* 41.2	80	3200	1947	525	* 428	* 9.3	9.4	77.5	97.0	.91	.85	* 7	* 1.32	1.51	* 10.0	9.4	16.2	* 65.9	1.87	565
D * 11:19	* 8502.4	8499.4	8450.0	* 50.9	* 39.5	78	3200	1956	524	* 436	* 9.3	9.3	77.4	97.1	.92	.86	* 7	* 1.24	1.51	* 10.6	9.3	16.3	* 67.2	1.90	556
D * 11:20	* 8503.6	8499.4	8450.0	* 50.9	* 41.4	80	3300	1961	521	* 440	* 9.3	9.4	77.1	96.8	.92	.86	* 7	* 1.24	1.51	* 10.6	9.4	16.3	* 67.2	1.92	556
D * 11:22	* 8504.5	8501.5	8452.0	* 33.9	* 39.6	80	3200	1970	525	* 446	* 9.2	9.4	76.8	97.1	.92	.86	* 7	* 1.39	1.51	* 9.5	9.3	16.0	* 69.4	1.95	541
D * 11:23	* 8505.3	8501.5	8452.0	* 33.9	* 38.3	80	3200	1966	525	* 448	* 9.3	9.4	76.8	97.3	.92	.85	* 7	* 1.39	1.51	* 9.5	9.3	16.0	* 69.4	1.96	541
D * 11:24	* 8506.2	8503.2	8452.0	* 54.1	* 40.5	80	3300	1966	521	* 454	* 9.2	9.4	76.7	97.4	.92	.85	* 7	* 1.25	1.51	* 10.5	9.3	16.3	* 71.0	1.98	530
D * 11:26	* 8507.2	8504.2	8454.0	* 40.6	* 41.2	80	3300	1970	527	* 456	* 9.2	9.4	76.6	97.4	.93	.85	* 7	* 1.32	1.51	* 10.0	9.3	16.2	* 72.0	2.00	524
D * 11:28	* 8508.5	8505.5	8454.0	* 34.7	* 35.9	81	3200	1975	525	* 460	* 9.2	9.4	76.4	97.7	.93	.86	* 7	* 1.36	1.51	* 9.7	9.3	16.1	* 73.3	2.04	517
D * 11:29	* 8509.4	8506.4	8456.0	* 54.0	* 36.2	80	3100	1975	521	* 460	* 9.2	9.4	76.4	97.5	.93	.86	* 7	* 1.22	1.51	* 10.7	9.3	16.3	* 74.2	2.06	511
D * 11:30	* 8510.2	8507.2	8456.0	* 33.4	* 34.6	81	2900	1975	530	* 458	* 9.2	9.4	76.5	97.6	.93	.86	* 7	* 1.34	1.51	* 9.9	9.3	16.1	* 75.0	2.08	507
D * 11:32	* 8511.2	8508.2	8456.0	* 38.1	* 37.7	80	3100	1984	521	* 458	* 9.2	9.4	76.6	97.0	.93	.86	* 7	* 1.32	1.51	* 10.0	9.3	16.1	* 76.0	2.11	501
D * 11:34	* 8512.7	8509.7	8456.0	* 38.9	* 35.1	80	3100	1970	525	* 458	* 9.2	9.4	76.8	97.1	.92	.87	* 7	* 1.31	1.51	* 10.1	9.3	16.2	* 77.5	2.14	494
D * 11:35	* 8513.4	8510.4	8456.0	* 43.9	* 34.7	82	3000	1966	524	* 454	* 9.2	9.4	76.8	97.2	.92	.87	* 7	* 1.27	1.51	* 10.4	9.3	16.2	* 78.2	2.16	490
D * 11:36	* 8514.1	8510.4	8456.0	* 43.9	* 37.2	80	3100	1970	529	* 452	* 9.3	9.4	76.9	97.0	.92	.88	* 7	* 1.27	1.51	* 10.4	9.3	16.2	* 78.2	2.18	490
D * 11:38	* 8515.3	8512.3	8457.0	* 36.7	* 36.6	79	3100	1966	522	* 454	* 9.2	9.3	77.2	96.9	.92	.87	* 7	* 1.34	1.51	* 9.9	9.3	16.1	* 80.1	2.21	481
D * 11:42	* 8516.2	8513.2	8461.0	* 26.6	* 37.3	80	3300	1961	521	* 500	* 9.2	9.4	75.6	95.9	.95	.88	* 7	* 1.34	1.51	* 9.9	9.3	16.1	* 81.0	2.24	477
D * 11:51	* 8517.0	8513.2	8461.0	* 26.6	* 36.4	87	3300	1998	525	* 494	* 9.2	9.4	75.4	96.2	.95	.87	* 7	* 1.34	1.51	* 9.9	9.3	16.1	* 81.0	2.27	477
D * 11:52	* 8518.0	8514.0	8461.0	* 27.9	* 38.4	87	3300	1998	530	* 494	* 9.2	9.5	75.2	96.0	.95	.87	* 7	* 1.43	1.51	* 10.1	9.3	16.2	* 81.9	2.29	473
D * 11:54	* 8519.2	8516.2	8464.0	* 12.6	* 34.9	87	3300	1998	534	* 492	* 9.2	9.4	75.1	95.8	.95	.88	* 7	* 1.66	1.51	* 10.1	9.2	16.2	* 84.0	2.33	463
D * 11:56	* 8520.2	8516.2	8466.0	* 12.6	* 34.5	86	3300	1998	530	* 492	* 9.2	9.5	75.0	95.9	.95	.87	* 7	* 1.66	1.51	* 10.1	9.3	16.2	* 84.0	2.35	463
D * 11:57	* 8521.4	8518.4	8466.0	* 28.3	* 37.8	86	3300	1980	530	* 494	* 9.2	9.4	74.9	96.9	.96	.86	* 7	* 1.43	1.51	* 10.1	9.3	16.2	* 86.2	2.38	454
D * 11:58	* 8522.3	8519.3	8466.0	* 59.6	* 37.6	87	3200	1989	512	* 496	* 9.2	9.4	74.9	97.0	.96	.87	* 7	* 1.22	1.51	* 10.7	9.3	16.3	* 87.1	2.39	449
D * 12: 0	* 8523.2	8520.0	8469.0	* 21.5	* 35.7	87	3400	1914	516	* 498	* 9.2	9.5	74.8	96.9	.96	.87	* 7	* 1.50	1.51	* 10.1	9.2	16.2	* 87.8	2.42	447
D * 12: 1	* 8524.4	8521.0	8469.0	* 81.6	* 31.3	88	3200	1989	517	* 498	* 9.2	9.5	74.8	97.0	.96	.87	* 7	* 1.12	1.51	* 10.1	9.2	16.2	* 88.8	2.44	443
D * 12: 3	* 8525.1	8522.1	8471.0	* 42.5	* 37.2	89	3300	1985	512	* 504	* 9.2	9.5	74.7	96.6	.96	.88	* 7	* 1.30	1.51	* 10.2	9.3	16.2	* 89.9	2.46	438
D * 12: 4	* 8526.1	8522.1	8471.0	* 42.5	* 33.6	89	3200	1985	517	* 506	* 9.2	9.5	74.7	96.5	.95	.88	* 7	* 1.30	1.51	* 10.2	9.2	16.2	* 89.9	2.48	438
D * 12: 5	* 8527.0	8523.1	8471.0	* 49.3	* 37.4	89	3300	1989	519	* 514	* 9.2	9.5	74.7	96.2	.96	.88	* 7	* 1.27	1.51	* 10.4	9.3	16.2	* 91.0	2.50	434
D * 12: 6	* 8528.1	8524.0	8473.0	* 37.8	* 33.5	80	3200	1985	517	* 516	* 9.2	9.4	74.5	96.5	.96	.88	* 7	* 1.35	1.51	* 9.8	9.2	16.1	* 91.8	2.52	431
D * 12: 7	* 8529.0	8526.0	8473.0	* 50.2	* 38.9	86	3300	1989	521	* 520	* 9.2	9.5	74.5	96.4	.96	.88	* 7	* 1.25	1.51	* 10.5	9.3	16.3	* 93.8	2.54	423
D * 12:11	* 8530.6	8526.0	8474.0	* 50.2	* 35.7	86	3100	1989	517	* 532	* 9.2	9.3	74.5	96.6	.96	.88	* 7	* 1.25	1.51	* 10.5	9.3	16.3	* 93.8	2.59	423
D * 12:12	* 8531.4	8528.4	8475.0	* 31.0	* 38.3	86	3300	1980	519	* 536	* 9.2	9.5	74.5	96.3	.96	.88	* 7	* 1.41	1.51	* 9.4	9.2	16.0	* 96.2	2.62	416
D * 12:14	* 8532.0	8528.4	8475.0	* 31.0	* 39.3	89	3300	1989	517	* 536	* 9.2	9.5	74.8	95.8	.95	.89	* 7	* 1.41	1.51	* 9.4	9.2	16.0	* 96.2	2.65	416
D * 12:15	* 8533.2	8530.2	8477.0	* 50.1	* 37.9	88	3300	1985	516	* 536	* 9.2	9.5	75.3	95.5	.94	.89	* 7	* 1.28	1.51	* 10.3	9.2	16.2	* 98.0	2.67	410
D * 12:16																									