

* 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	TORG	PRESS	FLOW	PIT	DENSITY	TEMPERATURE	RESISTIVITY	GAS	DCS	NORM	PF	ECD	FRAC	FEET	TIME	COST			
* Hr:mn *	* feet *	feet	feet	* ft/h *	* klbs *	rph	ftlb	psi	gpm	* bbls *	ppg	degF	ohm	* unit *	ppg	ppg	ppg	* feet *	Dhr	\$					
D * 12:19	* 8535.5	8532.2	8479.0	* 32.1 *	* 39.0 *	89	3400	1907	521	* 530 *	9.2	9.5	76.2	95.9	.93	.89	* 7 *	1.40	1.51	* 9.5	9.3	16.0	* 100.0 *	2.73	404
D * 12:19	* 8536.3	8533.3	8479.0	* 155.9 *	* 35.6 *	88	3300	1905	517	* 532 *	9.2	9.5	76.2	95.9	.93	.88	* 7 *	.96	1.51	* 10.1	9.3	16.2	* 101.1 *	2.74	400
D * 12:23	* 8537.3	8534.3	8481.0	* 14.9 *	* 35.3 *	86	3300	1900	518	* 530 *	9.2	9.5	77.1	95.4	.92	.89	* 7 *	1.61	1.51	* 10.1	9.3	16.2	* 102.1 *	2.80	398
D * 12:24	* 8538.0	8534.3	8481.0	* 14.9 *	* 39.6 *	89	3400	1900	517	* 530 *	9.2	9.5	77.4	95.6	.92	.89	* 7 *	1.61	1.51	* 10.1	9.3	16.2	* 102.1 *	2.82	398
D * 12:26	* 8539.4	8535.0	8483.0	* 32.6 *	* 37.7 *	89	3300	1886	516	* 530 *	9.2	9.5	77.5	95.8	.92	.89	* 7 *	1.39	1.51	* 9.5	9.3	16.0	* 102.0 *	2.84	396
D * 12:27	* 8540.8	8537.8	8483.0	* 54.4 *	* 38.2 *	86	3500	1886	521	* 528 *	9.2	9.5	77.8	95.8	.92	.89	* 7 *	1.25	1.51	* 10.5	9.3	16.3	* 105.6 *	2.87	387
D * 12:28	* 8541.4	8538.4	8486.0	* 48.4 *	* 38.2 *	86	3500	1886	538	* 530 *	9.2	9.5	78.0	95.9	.92	.88	* 7 *	1.32	1.51	* 10.0	9.3	16.2	* 106.2 *	2.89	386
D * 12:29	* 8542.8	8539.8	8486.0	* 60.1 *	* 37.3 *	88	3600	1881	521	* 526 *	9.2	9.5	78.1	95.5	.91	.90	* 7 *	1.21	1.52	* 10.1	9.3	16.2	* 107.6 *	2.91	381
D * 12:31	* 8543.1	8540.1	8486.0	* 18.7 *	* 35.3 *	86	3400	1881	517	* 524 *	9.2	9.5	78.3	95.7	.92	.89	* 7 *	1.52	1.52	* 10.1	9.3	16.2	* 107.9 *	2.93	381
D * 12:32	* 8544.3	8541.3	8487.0	* 74.9 *	* 34.0 *	88	3400	1881	517	* 524 *	9.2	9.5	78.4	95.9	.91	.89	* 7 *	1.13	1.52	* 10.1	9.3	16.2	* 109.1 *	2.94	377
D * 12:33	* 8545.4	8542.4	8487.0	* 56.7 *	* 35.2 *	88	3400	1881	517	* 524 *	9.2	9.5	78.5	95.7	.91	.88	* 7 *	1.21	1.52	* 10.1	9.3	16.2	* 110.3 *	2.96	374
D * 12:33	* 8546.1	8543.1	8487.0	* 74.2 *	* 33.3 *	86	3400	1876	521	* 524 *	9.2	9.5	78.6	95.7	.92	.88	* 7 *	1.12	1.52	* 10.1	9.3	16.2	* 110.9 *	2.97	372
D * 12:42	* 8549.2	8546.2	8489.0	* 134.1 *	* 28.2 *	92	3000	1731	503	* 540 *	9.2	9.6	79.3	95.9	.91	.88	* 7 *	.82	1.52	* 10.1	9.3	16.2	* 114.0 *	3.00	363
D * 12:43	* 8550.2	8547.2	8489.0	* 42.9 *	* 38.0 *	95	3600	1905	504	* 532 *	9.3	9.5	79.5	95.4	.91	.89	* 7 *	1.34	1.52	* 9.9	9.3	16.1	* 115.0 *	3.03	361
D * 12:45	* 8551.3	8548.3	8491.0	* 37.8 *	* 36.2 *	95	3600	2012	538	* 524 *	9.3	9.5	79.5	95.0	.91	.89	* 7 *	1.35	1.52	* 9.8	9.3	16.1	* 116.1 *	3.06	358
D * 12:46	* 8552.0	8549.0	8491.0	* 38.4 *	* 35.1 *	95	3600	2012	540	* 520 *	9.3	9.5	79.6	95.2	.91	.89	* 7 *	1.33	1.52	* 10.0	9.3	16.2	* 116.0 *	3.08	356
D * 12:48	* 8553.0	8549.0	8493.0	* 38.4 *	* 37.6 *	95	3700	1966	537	* 518 *	9.3	9.5	79.7	95.2	.91	.89	* 7 *	1.33	1.52	* 10.0	9.4	16.2	* 116.0 *	3.10	356
D * 12:50	* 8554.4	8551.4	8493.0	* 51.6 *	* 33.2 *	96	2800	1961	534	* 516 *	9.3	9.6	79.7	96.4	.91	.88	* 7 *	1.25	1.52	* 10.5	9.3	16.3	* 119.2 *	3.13	351
D * 12:50	* 8555.1	8551.4	8496.0	* 51.6 *	* 39.6 *	91	4100	1956	530	* 514 *	9.3	9.5	79.8	96.5	.91	.87	* 7 *	1.25	1.52	* 10.5	9.3	16.3	* 119.2 *	3.14	351
D * 12:52	* 8556.0	8553.0	8496.0	* 29.9 *	* 37.7 *	96	2800	1947	529	* 516 *	9.3	9.5	79.8	96.1	.91	.88	* 7 *	1.43	1.52	* 10.1	9.3	16.2	* 120.0 *	3.18	348
D * 12:53	* 8557.0	8554.0	8496.0	* 288.7 *	* 36.9 *	96	2900	1951	530	* 516 *	9.3	9.5	79.9	96.1	.91	.88	* 7 *	.79	1.52	* 10.1	9.3	16.2	* 121.9 *	3.18	345
D * 12:54	* 8558.0	8555.0	8498.0	* 62.4 *	* 32.4 *	96	2800	1956	534	* 516 *	9.3	9.5	80.0	96.4	.91	.88	* 7 *	1.21	1.52	* 10.1	9.3	16.2	* 122.9 *	3.20	343
D * 12:56	* 8560.0	8557.0	8498.0	* 51.9 *	* 35.5 *	94	3600	1951	534	* 516 *	9.3	9.5	80.1	96.4	.91	.88	* 7 *	1.26	1.52	* 10.5	9.4	16.3	* 124.0 *	3.24	338
D * 12:56	* 8560.3	8557.0	8498.0	* 51.9 *	* 34.9 *	100	3400	1947	533	* 516 *	9.3	9.5	80.2	96.4	.91	.88	* 7 *	1.26	1.52	* 10.5	9.4	16.3	* 124.0 *	3.24	338
D * 12:58	* 8561.2	8558.2	8500.0	* 39.4 *	* 35.3 *	94	3800	1951	534	* 516 *	9.3	9.5	80.2	97.0	.91	.88	* 7 *	1.32	1.52	* 10.1	9.4	16.2	* 126.0 *	3.27	336
D * 12:59	* 8562.2	8559.2	8500.0	* 48.0 *	* 35.2 *	95	3600	1951	534	* 516 *	9.3	9.5	80.3	96.9	.90	.90	* 7 *	1.27	1.52	* 10.4	9.4	16.3	* 127.0 *	3.29	334
D * 12:59	* 8563.2	8560.2	8500.0	* 141.4 *	* 37.9 *	92	3800	1951	534	* 516 *	9.3	9.5	80.3	96.9	.90	.88	* 7 *	.97	1.52	* 10.1	9.4	16.2	* 128.0 *	3.29	332
D * 13: 1	* 8564.0	8561.0	8503.0	* 44.4 *	* 33.0 *	96	3800	1956	538	* 514 *	9.3	9.5	80.2	96.9	.90	.89	* 7 *	1.29	1.52	* 10.3	9.4	16.2	* 128.0 *	3.31	330
D * 13: 2	* 8565.2	8561.0	8503.0	* 44.4 *	* 33.2 *	95	3700	1951	534	* 514 *	9.3	9.5	80.3	96.8	.90	.89	* 7 *	1.29	1.52	* 10.3	9.4	16.2	* 128.0 *	3.34	330
D * 13: 3	* 8566.0	8563.0	8505.0	* 40.1 *	* 29.9 *	95	2900	1951	534	* 512 *	9.3	9.4	80.4	96.8	.90	.89	* 7 *	1.27	1.52	* 10.4	9.4	16.3	* 130.0 *	3.36	326
D * 13: 4	* 8567.0	8564.0	8505.0	* 114.6 *	* 41.1 *	94	2900	1951	525	* 512 *	9.3	9.5	80.6	96.7	.90	.90	* 7 *	1.05	1.52	* 10.1	9.4	16.2	* 131.0 *	3.37	324
D * 13: 5	* 8568.6	8565.3	8505.0	* 49.1 *	* 36.0 *	95	3100	1947	530	* 510 *	9.3	9.5	80.6	96.6	.90	.90	* 7 *	1.27	1.52	* 10.4	9.4	16.3	* 133.1 *	3.40	322
D * 13: 6	* 8569.5	8565.3	8507.0	* 49.1 *	* 32.9 *	96	2600	1951	539	* 510 *	9.3	9.4	80.7	96.9	.90	.90	* 7 *	1.27	1.52	* 10.4	9.4	16.3	* 133.1 *	3.41	322
D * 13: 8	* 8570.0	8567.0	8507.0	* 23.0 *	* 38.4 *	93	2700	1947	525	* 504 *	9.3	9.4	80.8	97.2	.90	.90	* 7 *	1.49	1.52	* 10.1	9.4	16.2	* 134.0 *	3.44	319
D * 13:10	* 8571.2	8568.2	8509.0	* 44.1 *	* 37.6 *	98	2700	1942	534	* 502 *	9.3	9.5	80.9	97.0	.90	.90	* 7 *	1.32	1.52	* 10.1	9.4	16.2	* 136.0 *	3.46	317
D * 13:11	* 8572.2	8568.2	8509.0	* 44.1 *	* 37.3 *	93	2600	1947	527	* 504 *	9.3	9.4	80.9	96.7	.90	.90	* 7 *	1.32	1.52	* 10.1	9.4	16.2	* 136.0 *	3.48	317
D * 13:13	* 8573.0	8569.2	8511.0	* 49.0 *	* 35.0 *	94	2700	1942	525	* 502 *	9.3	9.4	81.0	96.7	.90	.91	* 7 *	1.29	1.52	* 10.3	9.4	16.2	* 137.0 *	3.53	315
D * 13:14	* 8574.2	8571.2	8511.0	* 222.9 *	* 33.5 *	96	2600	1928	530	* 500 *	9.3	9.4	81.0	96.9	.90	.91	* 7 *	.84	1.52	* 10.1	9.4	16.2	* 139.0 *	3.54	312
D * 13:16	* 8575.6	8572.0	8514.0	* 26.9 *	* 37.8 *	92	2900	1951	534	* 502 *	9.3	9.4	81.1	96.8	.90	.91	* 7 *	1.42	1.52	* 10.1	9.4	16.2	* 139.0 *	3.56	311
D * 13:16	* 8576.1	8572.0	8514.0	* 26.9 *	* 35.7 *	95	2900	1942	530	* 500 *	9.3	9.5	81.2	96.9	.90	.91	* 7 *	1.42	1.52	* 10.1	9.3	16.2	* 139.0 *	3.57	311
D * 13:18	* 8577.3	8574.3	8514.0	* 42.9 *	* 37.8 *	93	2700	1942	526	* 502 *	9.3	9.5	81.3	96.8	.90	.91	* 7 *	1.32	1.52	* 10.1	9.4	16.2	* 142.1 *	3.60	307
D * 13:19	* 8578.2	8575.2	8515.0	* 41.7 *	* 39.3 *	91	3000	1942	531	* 502 *	9.3	9.4	81.4	97.1	.90	.91	* 7 *	1.30	1.52	* 10.2	9.4	16.2	* 143.0 *	3.62	305
D * 13:20	* 8579.3	8575.2	8515.0	* 41.7 *	* 35.2 *	94	2700	1942	529	* 502 *	9.3	9.5	81.4	97.4	.90	.91	* 7 *	1.30	1.52	* 10.2	9.4	16.2	* 143.0 *	3.64	305
D * 13:21	* 8580.2	8577.2	8515.0	* 84.2 *	* 35.6 *	93	3000	1942	529	* 502 *	9.3	9.5	81.5	97.5	.90	.91	* 7 *	1.10	1.52	* 10.1	9.4	16.2	* 145.0 *	3.65	302
D * 13:29	* 8581.1	8577.2	8517.0	* 84.2 *	* 35.0 *	102	4200	1947	530	* 516 *	9.3	9.4	81.7	97.3	.91	.92	* 7 *	1.10	1.52	* 10.1	9.4	16.2	* 145.0 *	3.68	302
D * 13:31	* 8582.6	8579.6	8517.0	* 79.3 *	* 34.7 *	104	4100	1942	533	* 508 *	9.3	9.4	81.7	97.9	.91	.92	* 7 *	1.14	1.52	* 10.1	9.4	16.2	* 147.4 *	3.70	298
D * 13:32	* 8583.6	8580.6	8518.0	* 37.4 *	* 37.4 *	101	3000	1942	530	* 506 *	9.3	9.4	81.8	97.4	.91	.92	* 7 *	1.35	1.52	* 9.8	9.4	16.1	* 148.4 *	3.73	297
D * 13:33	* 8584.1	8580.6	8518.0	* 37.4 *	* 32.5 *	100	2900	1942	530	* 506 *	9.3	9.5	81.8	96.7	.91	.94	* 7 *	1.35	1.52	* 9.8	9.4	16.1	* 148.4 *	3.75	297
D * 13:34	* 8585.4	8582.4	8518.0	* 188.3 *	* 3																				