

* BIT # 21 SMITH F2 BIT DIAMETER: 12.25 inch NOZZ 16/16/16

MUD RHEOLOGICAL PARAMETERS: PV = 13 YP = 14 GEL = 5

TIME	MEASURED	DEPTH			DRILLING PARAMETERS				MUD PARAMETERS				OVERPRESSURE SURVEY				ACCUMULATED ON BIT								
		VERTCL	LAGGED	ROP	WOB	RPM	TORG	PRSS	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	ppg	IN	OUT	IN	OUT	ohm	unit	ppg	ppg	ppg	feet	Dhr	\$		
D * 14: 0	* 8228.1	0225.1	0170.0	* 47.7	* 34.6	94	3400	1923	530	* 572	* 9.2	9.6	87.7	103.4	.84	.81	* 7	* 1.22	1.49	* 10.6	9.3	16.2	* 335.1	0.57	184
D * 14: 2	* 8229.6	0225.1	0170.0	* 47.7	* 31.4	95	3300	1919	538	* 572	* 9.2	9.5	87.6	103.3	.84	.81	* 7	* 1.22	1.49	* 10.6	9.3	16.2	* 335.1	0.59	184
D * 14: 3	* 8230.1	0227.1	0170.0	* 35.6	* 33.2	96	3400	1919	539	* 574	* 9.2	9.5	87.6	103.2	.84	.82	* 7	* 1.20	1.49	* 10.2	9.3	16.1	* 337.1	0.61	183
D * 14: 5	* 8231.4	0228.4	0171.0	* 31.5	* 34.0	93	3200	1914	539	* 577	* 9.2	9.3	87.5	102.0	.84	.83	* 7	* 1.33	1.49	* 9.8	9.3	16.0	* 338.4	0.65	183
D * 14: 6	* 8232.2	0229.1	0171.0	* 36.6	* 35.0	93	3500	1919	530	* 576	* 9.2	9.3	87.4	102.6	.84	.82	* 7	* 1.29	1.49	* 10.1	9.3	16.1	* 339.1	0.67	183
D * 14: 8	* 8233.0	0230.0	0172.0	* 27.3	* 33.6	93	3600	1919	534	* 579	* 9.2	9.3	87.3	103.0	.85	.82	* 7	* 1.38	1.49	* 9.5	9.3	15.9	* 340.0	0.69	183
D * 14: 9	* 8234.1	0231.1	0172.0	* 30.7	* 34.0	103	3400	1923	534	* 579	* 9.2	9.3	87.3	103.0	.84	.81	* 7	* 1.03	1.49	* 10.2	9.3	16.1	* 341.1	0.70	182
D * 14:10	* 8235.3	0232.3	0172.0	* 56.1	* 36.2	95	3400	1919	534	* 585	* 9.2	9.3	87.2	102.9	.84	.81	* 7	* 1.18	1.49	* 10.2	9.3	16.1	* 342.3	0.72	182
D * 14:11	* 8236.8	0232.3	0175.0	* 56.1	* .0	0	-200	1876	539	* 593	* 9.2	9.3	87.2	102.4	.84	.81	* 7	* 1.18	1.49	* 10.2	9.3	16.1	* 342.3	0.74	182
D * 14:20	* 8237.4	0233.8	0179.0	* 75.5	* 33.2	87	3100	1933	539	* 607	* 9.2	9.3	86.7	102.4	.85	.82	* 7	* 1.06	1.49	* 10.2	9.3	16.1	* 343.8	0.79	181
D * 14:20	* 8238.0	0234.4	0179.0	* 13.9	* 32.0	88	3100	1919	539	* 605	* 9.2	9.2	86.7	102.6	.85	.82	* 7	* 1.52	1.49	* 10.2	9.3	16.1	* 344.4	0.80	181
D * 14:22	* 8239.1	0236.1	0181.0	* 41.2	* 31.9	89	3100	1923	539	* 599	* 9.2	9.2	86.7	101.9	.85	.82	* 7	* 1.23	1.49	* 10.5	9.3	16.2	* 346.1	0.83	181
D * 14:24	* 8240.1	0237.1	0181.0	* 35.8	* 31.9	87	3200	1923	534	* 595	* 9.2	9.2	86.5	102.4	.85	.82	* 7	* 1.26	1.49	* 10.3	9.3	16.1	* 347.1	0.86	181
D * 14:25	* 8241.1	0237.1	0183.0	* 35.8	* 36.4	87	3200	1914	534	* 591	* 9.2	9.2	86.5	102.5	.85	.82	* 7	* 1.26	1.49	* 10.3	9.3	16.1	* 347.1	0.88	181
D * 14:26	* 8242.2	0239.2	0183.0	* 119.5	* 33.9	86	3400	1919	534	* 591	* 9.2	9.3	86.6	102.5	.85	.81	* 7	* .95	1.49	* 10.2	9.3	16.1	* 349.2	0.89	180
D * 14:27	* 8243.2	0239.2	0183.0	* 119.5	* 36.0	86	3400	1919	543	* 589	* 9.2	9.3	86.6	102.4	.85	.83	* 7	* .95	1.49	* 10.2	9.3	16.1	* 349.2	0.92	180
D * 14:28	* 8244.2	0241.2	0186.0	* 184.5	* 35.2	88	3200	1914	539	* 589	* 9.2	9.2	86.5	102.6	.85	.82	* 7	* .04	1.49	* 10.2	9.3	16.1	* 351.2	0.93	179
D * 14:30	* 8245.0	0242.0	0186.0	* 21.7	* 35.0	88	3100	1919	537	* 585	* 9.2	9.2	86.7	103.3	.84	.82	* 7	* 1.43	1.49	* 10.2	9.3	16.1	* 352.0	0.96	179
D * 14:32	* 8246.7	0242.0	0189.0	* 21.7	* 31.8	89	3200	1919	536	* 583	* 9.2	9.2	86.8	103.0	.84	.83	* 7	* 1.43	1.49	* 10.2	9.3	16.1	* 352.0	0.98	179
D * 14:33	* 8247.3	0244.0	0189.0	* 24.1	* 34.3	88	3200	1919	534	* 581	* 9.2	9.2	86.9	103.4	.84	.82	* 7	* 1.38	1.49	* 9.4	9.3	15.9	* 354.0	0.91	179
D * 14:34	* 8248.3	0244.0	0191.0	* 24.1	* 31.6	89	3300	1919	534	* 581	* 9.2	9.3	87.0	103.4	.84	.82	* 7	* 1.38	1.49	* 9.4	9.3	15.9	* 354.0	0.92	179
D * 14:35	* 8249.7	0245.3	0191.0	* 92.7	* 36.7	89	3300	1919	534	* 581	* 9.2	9.2	87.0	103.1	.84	.82	* 7	* 1.02	1.49	* 10.2	9.3	16.1	* 355.3	0.94	178
D * 14:37	* 8250.0	0247.0	0193.0	* 14.5	* 33.4	89	3100	1919	537	* 579	* 9.2	9.2	87.1	103.3	.84	.82	* 7	* 1.54	1.49	* 10.2	9.3	16.1	* 357.0	0.97	178
D * 14:37	* 8251.0	0247.0	0193.0	* 14.5	* 32.7	88	3100	1914	534	* 581	* 9.2	9.2	87.3	103.0	.84	.83	* 7	* 1.54	1.49	* 10.2	9.3	16.1	* 357.0	0.98	178
D * 14:39	* 8252.0	0249.0	0193.0	* 30.2	* 28.3	90	3100	1919	539	* 581	* 9.2	9.2	87.3	102.6	.84	.83	* 7	* 1.31	1.49	* 9.9	9.3	16.1	* 359.0	0.912	177
D * 14:41	* 8253.4	0250.4	0195.0	* 54.3	* 32.6	88	3300	1919	534	* 577	* 9.2	9.2	87.4	103.0	.84	.83	* 7	* 1.13	1.49	* 10.2	9.3	16.1	* 360.4	0.914	177
D * 14:42	* 8254.3	0251.1	0195.0	* 35.4	* 32.4	86	3300	1923	539	* 581	* 9.2	9.2	87.4	103.2	.84	.83	* 7	* 1.27	1.49	* 10.3	9.3	16.1	* 361.1	0.916	177
D * 14:43	* 8255.0	0252.0	0197.0	* 39.8	* 30.8	94	3000	1919	534	* 583	* 9.2	9.2	87.6	103.0	.84	.83	* 7	* 1.22	1.49	* 10.6	9.3	16.2	* 362.0	0.918	177
D * 14:46	* 8256.1	0252.0	0199.0	* 39.8	* 33.1	87	3100	1914	533	* 587	* 9.2	9.2	87.7	102.7	.84	.83	* 7	* 1.22	1.49	* 10.6	9.3	16.2	* 362.0	0.923	177
D * 14:47	* 8257.2	0254.2	0199.0	* 80.1	* 34.5	88	3000	1919	539	* 585	* 9.2	9.2	87.8	102.9	.84	.83	* 7	* 1.06	1.49	* 10.2	9.3	16.1	* 364.2	0.924	176
D * 14:50	* 8258.3	0255.3	7328.0	* 22.5	* 35.9	88	3200	1919	539	* 585	* 9.2	9.2	87.8	102.9	.84	.84	* 7	* 1.40	1.49	* 10.2	9.3	16.1	* 365.3	0.929	176
D * 14:51	* 8259.2	0256.2	7328.0	* 62.8	* 35.9	89	3400	1923	543	* 587	* 9.2	9.2	87.9	102.7	.84	.83	* 7	* 1.13	1.49	* 10.2	9.3	16.1	* 366.2	0.930	176
D * 14:52	* 8260.3	0257.3	0193.0	* 78.0	* 34.7	88	3300	1914	538	* 585	* 9.2	9.2	88.0	102.8	.84	.83	* 7	* 1.05	1.49	* 10.2	9.3	16.1	* 367.3	0.932	175
D * 14:53	* 8261.2	0258.2	0193.0	* 36.6	* 36.7	88	3300	1914	533	* 585	* 9.2	9.2	88.0	102.3	.84	.84	* 7	* 1.29	1.49	* 10.1	9.3	16.1	* 368.2	0.934	175
D * 14:55	* 8262.0	0259.0	0204.0	* 28.9	* 30.8	88	3100	1919	539	* 583	* 9.2	9.2	88.1	102.6	.84	.84	* 7	* 1.33	1.49	* 9.8	9.3	16.0	* 369.0	0.937	175
D * 14:57	* 8263.1	0260.1	0204.0	* 26.2	* 29.0	88	3100	1919	534	* 585	* 9.2	9.2	88.2	102.5	.84	.84	* 7	* 1.33	1.49	* 9.8	9.3	16.0	* 370.1	0.941	175
D * 14:59	* 8264.0	0260.1	0207.0	* 26.2	* 29.0	87	3200	1923	534	* 581	* 9.2	9.2	88.3	102.6	.84	.84	* 7	* 1.33	1.49	* 9.8	9.3	16.0	* 370.1	0.944	175
D * 15: 0	* 8265.3	0262.3	0207.0	* 74.5	* 27.3	88	3100	1923	539	* 579	* 9.2	9.2	88.4	102.7	.84	.84	* 7	* 1.01	1.49	* 10.2	9.3	16.1	* 372.3	0.946	174
D * 15: 2	* 8266.4	0262.3	0210.0	* 74.5	* 24.7	87	3200	1928	534	* 579	* 9.2	9.2	88.4	102.5	.84	.84	* 7	* 1.01	1.49	* 10.2	9.3	16.1	* 372.3	0.949	174
D * 15: 4	* 8267.0	0264.0	0211.0	* 20.3	* 24.3	87	3100	1919	534	* 581	* 9.2	9.2	88.4	102.6	.84	.84	* 7	* 1.33	1.49	* 9.8	9.3	16.0	* 374.0	0.952	174
D * 15: 6	* 8268.7	0265.2	0211.0	* 25.1	* 23.2	87	3100	1923	534	* 581	* 9.2	9.2	88.5	103.0	.84	.83	* 7	* 1.26	1.49	* 10.4	9.3	16.2	* 375.2	0.957	174
D * 15: 7	* 8269.1	0266.1	0213.0	* 250.4	* 24.7	89	3100	1923	543	* 581	* 9.2	9.2	88.5	103.0	.84	.83	* 7	* .68	1.49	* 10.2	9.3	16.1	* 376.1	0.957	174
D * 15:19	* 8270.0	0267.0	0218.0	* 8.8	* 35.3	89	3500	1829	527	* 587	* 9.2	9.2	88.8	101.7	.84	.84	* 7	* 1.57	1.49	* 10.2	9.3	16.1	* 377.0	0.968	174
D * 15:21	* 8271.0	0268.0	0218.0	* 42.8	* 32.0	90	3400	1829	521	* 581	* 9.3	9.2	88.9	102.2	.84	.84	* 7	* 1.21	1.49	* 10.7	9.3	16.2	* 378.0	0.970	174
D * 15:23	* 8272.3	0269.3	0221.0	* 39.0	* 29.4	91	3200	1825	520	* 577	* 9.2	9.3	88.9	102.4	.84	.84	* 7	* 1.25	1.49	* 10.4	9.3	16.2	* 379.3	0.973	174
D * 15:24	* 8273.2	0270.2	0221.0	* 56.6	* 34.8	92	3400	1825	525	* 576	* 9.2	9.2	88.9	102.5	.84	.84	* 7	* 1.14	1.49	* 10.2	9.3	16.1	* 380.2	0.975	174
D * 15:26	* 8274.3	0271.3	0223.0	* 32.2	* 34.4	91	3300	1900	530	* 574	* 9.2	9.3	88.9	103.0	.84	.83	* 7	* 1.31	1.49	* 10.0	9.3	16.1	* 381.3	0.970	173
D * 15:28	* 8275.1	0271.3	0223.0	* 32.2	* 35.4	92	3400	1909	534	* 574	* 9.3	9.3	88.9	103.0	.84										