* BIT # 24   SMITH F3   BIT DIAMETER : 8.50 inch   NOZZ 13/13/13   MUD RHEOLOGICAL PARAMETERS : PV = 20 YP = 10 GEL = 6 *

TIME	MEASURED	DEPTHS VERTCL	LAGGED	ROP	WOB	RPM	DRILLING PARAMETERS TORQ	PRESS	FLOW IN	PIT VOL	DENSITY IN	OUT	MUD PARAMETERS TEMPERATURE IN	OUT	RESISTIVITY IN	OUT	GAS DCS	NORM	OVERPRESSURE SURVEY PF	ECD	FRAC	ACCUMULATED ON BIT FEET	TIME	COST
Hr:mn	feet	feet	feet	ft/h	klbs	rpm	ftlb	psi	gpm	bbls	ppg		degF		ohmm		unit		ppg	ppg	ppg	feet	DHr	$
3: 1	9370.0	9359.9	9334.0	22.0	28.5	78	3300	1313	328	446	9.2	9.3	83.0	104.1	.99	1.01	7	1.45	1.98	8.8	9.2	16.2	329.9	10.79	199
3: 2	9371.1	9359.9	9336.0	22.0	29.4	78	3300	1318	329	450	9.2	9.3	82.8	103.9	.99	1.00	7	1.45	1.98	8.8	9.2	16.2	329.9	10.81	199
3: 6	9372.5	9362.4	9338.0	24.8	31.4	78	3300	1318	328	460	9.1	9.3	82.4	103.4	.99	1.00	7	1.45	1.98	8.8	9.2	16.2	332.4	10.87	198
3: 7	9373.6	9363.0	9338.0	23.9	29.3	77	3300	1328	329	464	9.2	9.3	81.8	103.7	.99	1.00	7	1.46	1.98	8.8	9.2	16.2	333.0	10.98	198
3: 9	9374.1	9364.0	9340.0	33.6	28.9	77	3200	1332	329	468	9.2	9.3	81.8	103.4	.99	1.00	7	1.36	1.98	8.8	9.2	16.2	334.0	10.92	198
3:11	9375.0	9364.9	9341.0	25.7	27.4	77	3200	1337	325	474	9.2	9.3	81.5	103.4	.98	1.00	7	1.42	1.98	8.8	9.2	16.2	334.9	10.96	198
3:13	9376.1	9366.0	9342.0	29.1	28.0	77	3300	1337	329	478	9.2	9.3	81.1	103.0	.98	1.00	7	1.38	1.98	8.8	9.2	16.2	336.0	11.00	198
3:16	9377.3	9366.0	9342.0	29.1	29.1	77	3200	1342	329	486	9.2	9.3	80.9	103.6	.98	1.00	6	1.38	1.98	8.8	9.2	16.2	336.0	11.04	198
3:17	9378.3	9367.0	9343.0	29.5	31.4	77	3200	1342	325	490	9.2	9.3	80.8	103.3	.98	.99	6	1.39	1.98	8.8	9.2	16.2	337.2	11.06	197
3:19	9379.2	9369.1	9344.0	27.6	29.4	77	3300	1337	329	496	9.1	9.3	80.5	103.0	.98	1.00	6	1.42	1.98	8.8	9.2	16.2	339.1	11.10	197
3:21	9380.1	9370.0	9344.0	26.1	30.3	77	3200	1337	329	502	9.1	9.3	80.3	102.7	.98	1.01	7	1.45	1.98	8.8	9.2	16.2	340.0	11.13	197
3:23	9381.1	9370.0	9346.0	26.1	29.5	77	3200	1346	329	504	9.1	9.3	80.2	102.3	.98	1.01	7	1.45	1.98	8.8	9.2	16.2	340.0	11.16	197
3:25	9382.0	9371.9	9347.0	27.1	33.6	77	3200	1342	325	510	9.1	9.3	80.0	102.1	.98	1.00	6	1.43	1.98	8.8	9.2	16.2	341.9	11.17	196
3:28	9383.4	9373.3	9349.0	28.0	31.7	77	3300	1342	325	516	9.1	9.2	79.7	102.0	.98	1.01	6	1.45	1.98	8.8	9.2	16.2	343.3	11.25	196
3:30	9384.0	9373.3	9350.0	28.0	31.0	77	3200	1328	325	522	9.1	9.3	79.6	101.8	.98	1.00	7	1.45	1.98	8.8	9.2	16.2	343.3	11.28	196
3:35	9385.2	9375.1	9351.0	16.6	31.5	76	3300	1342	329	536	9.1	9.3	79.2	101.4	.98	1.01	7	1.60	1.98	8.8	9.2	16.2	345.1	11.35	196
3:37	9386.2	9376.1	9352.0	25.3	32.7	77	3200	1351	329	546	9.1	9.3	79.2	101.7	.98	1.00	7	1.46	1.98	8.8	9.2	16.2	346.1	11.39	196
3:39	9387.4	9376.1	9352.0	25.3	30.3	77	3200	1342	325	550	9.1	9.3	79.1	101.7	.98	1.00	7	1.46	1.98	8.8	9.2	16.2	346.1	11.42	196
3:40	9388.4	9378.3	9352.0	50.8	30.2	77	3200	1337	329	550	9.1	9.3	79.0	101.6	.98	1.01	7	1.25	1.98	8.8	9.2	16.2	348.3	11.44	195
3:42	9389.0	9378.3	9354.0	50.8	27.4	77	3200	1337	329	552	9.1	9.3	78.9	101.3	.98	1.02	7	1.25	1.98	8.8	9.2	16.2	348.3	11.46	195
3:44	9390.4	9380.3	9356.0	32.1	27.1	77	3200	1332	329	556	9.2	9.3	78.7	100.4	.98	1.01	7	1.35	1.98	8.8	9.2	16.2	350.3	11.51	195
3:46	9391.2	9381.1	9356.0	36.5	28.0	77	3300	1323	325	558	9.1	9.3	78.7	100.2	.98	1.02	7	1.32	1.98	8.8	9.2	16.2	351.1	11.53	195
3:54	9393.6	9383.6	9359.0	82.9	12.8	59	1400	1285	325	589	9.1	9.3	78.6	100.4	.99	1.01	7	1.00	1.98	8.8	9.2	16.2	353.6	11.56	194
3:54	9394.4	9384.3	9359.0	132.4	30.1	78	1700	1281	329	589	9.1	9.4	78.6	100.5	.99	1.00	7	.87	1.98	8.8	9.2	16.2	354.3	11.56	193
3:55	9395.0	9384.9	9360.0	31.0	30.0	80	2000	1295	327	591	9.1	9.3	78.4	99.6	.99	1.01	7	1.40	1.98	8.8	9.2	16.2	354.9	11.59	193
3:57	9396.2	9386.1	9360.0	32.0	31.1	78	1900	1285	334	587	9.1	9.4	78.3	99.5	.99	1.02	7	1.42	1.98	8.8	9.2	16.2	356.1	11.62	193
4: 1	9397.1	9386.1	9361.0	32.0	31.0	77	3100	1267	325	587	9.1	9.3	78.1	99.7	.99	1.03	6	1.42	1.98	8.8	9.2	16.2	356.1	11.68	193
4: 4	9398.1	9388.0	9363.0	18.3	32.0	77	3200	1267	329	595	9.1	9.3	78.0	100.3	.99	1.00	6	1.57	1.99	8.8	9.2	16.2	358.0	11.74	193
4: 7	9399.3	9389.2	9364.0	29.1	31.0	77	3200	1257	325	595	9.1	9.4	78.0	100.4	.99	.99	7	1.43	1.99	8.8	9.2	16.2	359.2	11.78	193
4: 8	9400.0	9389.9	9364.0	36.6	33.4	77	3200	1257	329	593	9.1	9.3	78.0	100.3	.99	.99	7	1.36	1.99	8.8	9.2	16.3	360.0	11.80	193
4:11	9401.3	9391.2	9365.0	28.5	33.1	77	3200	1252	329	591	9.1	9.4	78.1	100.2	.99	.99	6	1.44	1.99	8.8	9.2	16.3	361.2	11.85	192
4:13	9402.1	9391.2	9367.0	28.5	30.2	77	3300	1248	329	589	9.1	9.4	78.4	100.1	.99	1.00	7	1.44	1.99	8.8	9.2	16.3	361.2	11.88	192
4:15	9403.0	9392.9	9367.0	34.1	32.4	77	3300	1248	329	501	9.1	9.3	78.5	99.7	.99	1.00	6	1.48	1.99	8.8	9.2	16.3	362.9	11.91	192
4:18	9404.1	9394.0	9370.0	19.8	32.2	77	3200	1238	325	574	9.1	9.4	78.7	99.6	.99	1.00	6	1.56	1.99	8.8	9.2	16.3	364.0	11.96	192
4:20	9405.0	9394.0	9370.0	19.8	31.7	77	3200	1234	325	570	9.1	9.4	79.0	99.6	.99	.99	7	1.56	1.99	8.8	9.2	16.3	364.0	12.00	192
4:23	9406.5	9396.4	9371.0	33.7	31.2	78	3200	1234	325	570	9.1	9.4	79.2	99.6	.99	1.01	7	1.39	1.99	8.8	9.2	16.3	366.4	12.05	192
4:25	9407.2	9396.4	9372.0	33.7	31.0	78	3200	1234	325	572	9.1	9.4	79.4	98.8	.99	1.00	7	1.39	1.99	8.8	9.2	16.3	366.4	12.07	192
4:27	9408.2	9398.1	9373.0	24.2	35.3	77	3300	1238	329	568	9.1	9.4	79.7	99.0	.99	1.00	7	1.49	1.99	8.8	9.2	16.3	368.1	12.12	192
4:30	9409.5	9399.4	9374.0	26.7	31.3	77	3300	1234	329	568	9.1	9.4	79.5	99.2	.98	1.00	7	1.47	1.99	8.8	9.2	16.3	369.4	12.17	191
4:31	9410.1	9399.4	9375.0	26.7	32.6	77	3200	1243	329	568	9.1	9.3	78.8	99.2	.99	1.00	7	1.47	1.99	8.8	9.2	16.3	369.4	12.18	191
4:35	9411.7	9401.6	9377.0	26.1	31.8	77	3300	1234	328	568	9.1	9.4	80.3	98.7	.98	1.00	7	1.47	1.99	8.8	9.2	16.3	371.6	12.25	191
4:36	9412.3	9401.6	9377.0	26.1	32.4	77	3400	1229	329	566	9.1	9.3	80.3	98.8	.98	1.00	7	1.47	1.99	8.8	9.2	16.3	371.6	12.26	191
4:39	9413.9	9402.2	9379.0	33.7	32.8	77	3300	1234	329	566	9.1	9.3	80.6	98.9	.98	1.00	7	1.38	1.99	8.8	9.2	16.3	372.2	12.31	191
4:40	9414.2	9403.8	9380.0	34.9	29.0	77	3200	1234	329	564	9.1	9.3	80.8	99.2	.98	1.00	7	1.37	1.99	8.8	9.2	16.3	373.8	12.33	191
4:42	9415.8	9405.7	9380.0	47.1	30.9	78	3200	1238	329	562	9.1	9.3	80.9	99.3	.98	.99	7	1.28	1.99	8.8	9.2	16.3	375.7	12.37	190
4:43	9416.1	9406.0	9380.0	41.9	29.4	77	3100	1234	325	562	9.1	9.3	80.9	99.4	.98	1.00	7	1.29	1.99	8.8	9.2	16.3	376.0	12.38	190
4:44	9417.0	9406.9	9382.0	34.0	29.8	77	3300	1243	325	560	9.1	9.4	81.0	99.5	.98	1.00	6	1.37	1.99	8.8	9.2	16.3	376.9	12.40	190
4:47	9418.1	9408.0	9383.0	25.8	32.5	77	3200	1238	329	562	9.1	9.3	81.1	99.8	.98	.99	6	1.47	1.99	8.8	9.2	16.3	378.0	12.44	190
4:53	9419.0	9408.9	9385.0	9.4	32.1	78	3200	1229	329	558	9.2	9.3	81.5	98.7	.98	1.00	7	1.77	1.99	10.8	9.2	16.6	378.9	12.54	190

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