

* ON-LINE TDC

DATE : 15/ 8/02

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* BIT # 24 SMITH F3 BIT DIAMETER : 8.50 inch NOZZ 13/13/13

HUD RHEOLOGICAL PARAMETERS : PV = 14 YP = 12 GEL = 4

* TIME * MEASURED		* DEPTHS			* DRILLING PARAMETERS					* MUD PARAMETERS				* GAS *				* OVERPRESSURE SURVEY				* ACCUMULATED ON BIT *			
* Hr:mn	* feet	* feet	* feet	* ft/h	* ROP	* WOB	RPM	TORG	PRESS	FLOW	* PIT	* DENSITY	TEMPERATURE		RESISTIVITY		* DCS	NORM	* PF	ECD	FRAC	* FEET	TIME	COST	
						* klbs	rpm	ftlb	psi	gpm	* bbls	ppg	degF	degF	ohm	* unit		ppq	ppq	ppq		feet	DHr	\$	
D * 9: 7	* 9040.2	9030.0	8192.0	* 8182.	* 33.1	62	1000	1459	343	* 438	* 8.9	9.0	57.4	90.1	1.02	.70	* 7	* -2.39	1.56	* 10.0	8.9	16.3	* .0	.00	852
D * 9: 8	* 9041.2	9031.1	8192.0	* 129.7	* 32.5	62	1000	1468	338	* 442	* 8.9	9.0	57.4	90.0	1.02	.71	* 7	* 1.06	1.56	* 10.0	8.9	16.3	* 1.1	.01	24454
D * 9:11	* 9042.5	9032.4	8187.0	* 26.9	* 33.5	65	1700	1492	338	* 462	* 8.9	9.0	57.2	89.6	1.04	.70	* 7	* 1.54	1.56	* 10.0	8.9	16.3	* 2.4	.06	10970
D * 9:13	* 9043.3	9033.2	8187.0	* 19.1	* 31.9	63	1700	1515	338	* 486	* 8.9	9.0	57.2	89.1	1.04	.71	* 7	* 1.65	1.56	* 10.0	8.9	16.3	* 3.2	.10	8334
D * 9:15	* 9044.3	9033.2	8187.0	* 19.1	* 30.5	64	1700	1529	343	* 512	* 8.9	9.0	57.1	89.2	1.05	.71	* 7	* 1.65	1.56	* 10.0	8.9	16.3	* 3.2	.14	8334
D * 9:17	* 9045.2	9035.1	8187.0	* 44.5	* 33.8	0	-200	1501	343	* 510	* 8.9	9.0	57.3	89.2	1.04	.71	* 7	* 1.38	1.56	* 9.8	8.9	16.3	* 5.1	.16	5266
D * 11:22	* 9047.0	9036.9	9045.0	* 30.1	* 37.2	70	2100	1145	321	* 542	* 9.0	8.6	70.7	90.9	.79	.97	* 7	* 1.46	1.56	* 10.0	9.0	16.3	* 6.9	.22	3927
D * 11:23	* 9047.5	9037.4	9045.0	* 24.7	* 34.3	76	2100	1145	316	* 542	* 9.0	8.7	70.9	91.0	.80	.96	* 7	* 1.66	1.56	* 10.0	9.0	16.3	* 7.4	.24	3678
D * 11:24	* 9048.6	9038.5	9045.0	* 37.8	* 27.1	77	2000	1149	316	* 542	* 8.9	8.6	70.9	91.2	.80	.96	* 7	* 1.39	1.56	* 9.8	9.0	16.3	* 8.5	.27	3195
D * 11:26	* 9049.4	9039.3	9045.0	* 39.7	* 27.3	76	2000	1154	316	* 542	* 9.0	8.7	71.1	90.6	.80	.97	* 7	* 1.38	1.56	* 9.9	9.0	16.3	* 9.3	.29	2936
D * 11:26	* 9050.1	9040.0	9045.0	* 59.4	* 30.6	3	300	1149	321	* 542	* 8.9	8.7	71.1	90.4	.80	.97	* 7	* 1.30	1.56	* 10.4	9.0	16.4	* 10.0	.30	2752
D * 11:38	* 9051.3	9041.2	9045.0	* 33.9	* 28.1	74	2000	1173	321	* 540	* 9.0	8.7	71.9	90.4	.82	.93	* 7	* 1.28	1.56	* 10.6	9.0	16.4	* 11.2	.33	2453
D * 11:38	* 9052.0	9041.9	9045.0	* 196.1	* 20.8	75	2900	1173	321	* 540	* 9.0	8.7	71.8	90.4	.82	.93	* 7	* .92	1.56	* 10.0	9.0	16.3	* 11.9	.33	2306
D * 11:45	* 9053.1	9043.0	9045.0	* 8.9	* 31.1	75	3000	1192	316	* 536	* 9.1	9.2	72.2	90.6	.83	.88	* 7	* 1.83	1.56	* 10.0	9.1	16.3	* 13.0	.45	2151
D * 11:48	* 9054.1	9044.0	9045.0	* 20.2	* 28.6	76	3000	1187	316	* 538	* 9.1	9.2	72.7	91.0	.83	.88	* 7	* 1.50	1.56	* 10.0	9.1	16.3	* 14.0	.50	2014
D * 11:51	* 9055.2	9045.1	9045.0	* 20.3	* 30.2	76	3100	1192	321	* 538	* 9.1	9.2	72.8	91.2	.84	.86	* 7	* 1.57	1.56	* 10.0	9.1	16.3	* 15.1	.56	1874
D * 11:52	* 9056.0	9045.9	9045.0	* 56.5	* 31.2	77	3000	1192	316	* 540	* 9.1	9.2	72.9	91.3	.84	.86	* 7	* 1.30	1.56	* 10.4	9.1	16.4	* 15.9	.57	1782
D * 11:54	* 9057.1	9047.0	9045.0	* 43.3	* 32.1	77	3100	1192	316	* 538	* 9.1	9.2	73.1	91.5	.84	.84	* 6	* 1.42	1.56	* 9.6	9.1	16.2	* 17.0	.60	1674
D * 11:57	* 9058.5	9048.4	9045.0	* 28.3	* 30.7	76	3100	1215	316	* 538	* 9.1	9.2	73.4	91.5	.84	.83	* 6	* 1.50	1.56	* 10.0	9.1	16.3	* 18.4	.64	1560
D * 11:58	* 9059.1	9048.4	9045.0	* 28.3	* 30.1	76	3100	1215	316	* 536	* 9.1	9.2	73.4	91.5	.84	.83	* 6	* 1.50	1.56	* 10.0	9.1	16.3	* 18.4	.67	1560
D * 12: 0	* 9060.3	9050.2	9045.0	* 46.4	* 30.4	76	3200	1215	320	* 538	* 9.1	9.2	73.6	91.7	.84	.82	* 7	* 1.34	1.56	* 10.1	9.1	16.3	* 20.2	.70	1426
D * 12: 1	* 9061.1	9050.2	9045.0	* 46.4	* 27.6	76	3100	1215	321	* 536	* 9.1	9.2	73.6	91.6	.84	.83	* 7	* 1.34	1.56	* 10.1	9.1	16.3	* 20.2	.72	1426
D * 12: 3	* 9062.2	9052.1	9045.0	* 33.7	* 32.1	74	3200	1215	316	* 536	* 9.1	9.2	73.8	91.3	.84	.81	* 7	* 1.45	1.56	* 9.4	9.1	16.2	* 22.1	.75	1315
D * 12: 6	* 9063.5	9053.4	9045.0	* 30.9	* 29.1	77	3200	1210	321	* 536	* 9.1	9.2	74.0	91.0	.84	.81	* 6	* 1.47	1.56	* 10.0	9.1	16.3	* 23.4	.80	1250
D * 12: 8	* 9064.7	9054.6	9045.0	* 35.6	* 29.7	76	3100	1215	321	* 534	* 9.1	9.2	74.2	91.7	.84	.80	* 6	* 1.42	1.56	* 9.6	9.1	16.2	* 24.6	.83	1194
D * 12: 9	* 9065.6	9055.5	9045.0	* 45.9	* 29.6	76	3200	1215	316	* 536	* 9.1	9.2	74.2	91.9	.84	.80	* 6	* 1.35	1.56	* 10.1	9.1	16.3	* 25.5	.85	1154
D * 12:10	* 9066.4	9056.3	9045.0	* 47.6	* 29.6	76	3200	1215	316	* 536	* 9.1	9.2	74.3	91.9	.84	.80	* 6	* 1.33	1.56	* 10.2	9.1	16.4	* 26.3	.87	1120
D * 12:12	* 9067.4	9057.3	9045.0	* 31.4	* 31.7	75	3200	1135	307	* 536	* 9.1	9.2	74.4	91.5	.84	.80	* 6	* 1.47	1.56	* 10.0	9.1	16.3	* 27.3	.90	1085
D * 12:13	* 9068.0	9057.9	9045.0	* 26.3	* 29.1	74	3200	1135	307	* 536	* 9.1	9.2	74.5	91.4	.84	.80	* 6	* 1.51	1.56	* 10.0	9.1	16.3	* 27.9	.92	1062
D * 12:15	* 9069.3	9059.2	9045.0	* 36.2	* 33.5	76	3200	1131	307	* 536	* 9.1	9.2	74.6	91.6	.83	.80	* 6	* 1.44	1.56	* 9.5	9.1	16.2	* 29.2	.95	1022
D * 12:18	* 9070.4	9060.3	9045.0	* 28.9	* 32.1	76	3100	1126	312	* 536	* 9.1	9.2	74.7	91.6	.83	.80	* 6	* 1.52	1.56	* 10.0	9.1	16.3	* 30.3	1.00	987
D * 12:20	* 9071.3	9061.2	9045.0	* 31.7	* 31.0	74	3100	1126	307	* 536	* 9.1	9.2	74.9	92.0	.83	.79	* 6	* 1.50	1.56	* 10.0	9.1	16.3	* 31.2	1.02	963
D * 12:21	* 9072.2	9062.1	9045.0	* 33.0	* 32.1	74	3200	1126	312	* 534	* 9.1	9.2	75.0	91.8	.83	.79	* 6	* 1.47	1.56	* 10.0	9.1	16.3	* 32.1	1.05	940
D * 12:22	* 9073.2	9062.1	9045.0	* 33.0	* 28.9	74	3200	1126	307	* 534	* 9.1	9.2	75.1	91.5	.83	.80	* 6	* 1.47	1.56	* 10.0	9.1	16.3	* 32.1	1.07	940
D * 12:24	* 9074.3	9064.2	9045.0	* 37.2	* 33.5	75	3200	1121	312	* 534	* 9.1	9.2	75.1	91.5	.83	.79	* 6	* 1.41	1.56	* 9.7	9.1	16.2	* 34.2	1.10	887
D * 12:26	* 9075.2	9065.1	9045.0	* 32.4	* 31.7	74	3200	1126	312	* 534	* 9.1	9.2	75.2	91.9	.83	.80	* 6	* 1.49	1.56	* 10.0	9.1	16.3	* 35.1	1.13	867
D * 12:27	* 9076.1	9066.0	9045.0	* 34.1	* 31.0	76	3300	1121	307	* 534	* 9.1	9.2	75.3	92.0	.83	.79	* 6	* 1.45	1.56	* 9.4	9.1	16.2	* 36.0	1.16	848
D * 12:30	* 9077.5	9067.5	9045.0	* 29.2	* 31.1	77	3100	1116	307	* 532	* 9.1	9.2	75.5	92.7	.82	.79	* 6	* 1.51	1.56	* 10.0	9.1	16.3	* 37.5	1.21	820
D * 12:32	* 9078.2	9067.5	9045.0	* 29.2	* 29.7	74	3200	1116	312	* 534	* 9.1	9.2	75.6	92.9	.82	.79	* 6	* 1.51	1.56	* 10.0	9.1	16.3	* 37.5	1.22	820
D * 12:33	* 9079.2	9068.1	9045.0	* 33.8	* 20.9	75	3100	1084	307	* 532	* 9.1	9.2	75.6	91.8	.82	.79	* 6	* 1.44	1.56	* 9.5	9.1	16.2	* 38.1	1.25	808
D * 12:52	* 9080.2	9070.1	9050.0	* 8.2	* 27.3	80	3200	1154	316	* 522	* 9.1	9.2	76.5	93.3	.81	.83	* 6	* 1.70	1.56	* 10.0	9.1	16.3	* 40.1	1.37	781
D * 12:54	* 9081.5	9071.4	9050.0	* 36.6	* 28.4	79	3200	1145	316	* 520	* 9.1	9.2	76.6	93.1	.81	.83	* 6	* 1.40	1.56	* 9.7	9.1	16.3	* 41.4	1.41	760
D * 12:56	* 9082.5	9072.4	9050.0	* 36.1	* 28.4	78	3300	1149	316	* 518	* 9.1	9.2	76.6	92.9	.81	.84	* 6	* 1.41	1.56	* 9.7	9.1	16.3	* 42.4	1.43	744
D * 12:57	* 9083.2	9073.1	9050.0	* 31.3	* 29.1	81	3400	1149	316	* 516	* 9.1	9.2	76.7	93.1	.81	.83	* 6	* 1.46	1.56	* 9.3	9.1	16.2	* 43.1	1.46	733
D * 12:59	* 9084.2	9073.1	9051.0	* 31.3	* 27.7	79	3300	1145	316	* 516	* 9.1	9.2	76.8	93.5	.81	.83	* 6	* 1.46	1.56	* 9.3	9.1	16.2	* 43.1	1.48	733
D * 13: 1	* 9085.4	9075.3	9052.0	* 31.0	* 29.3	79	3300	1149	316	* 516	* 9.1	9.2	76.8	93.2	.81	.83	* 6	* 1.44	1.56	* 9.5	9.1	16.2	* 45.3	1.52	704
D * 13: 3	* 9086.5	9076.4	9052.0	* 42.6	* 28.3	79	3300	1145	316	* 514	* 9.1	9.2	76.9	93.3	.81	.84	* 6	* 1.36	1.56	* 10.0	9.1	16.3	* 46.4	1.55	689
D * 13: 4	* 9087.0	9077.0	9052.0	* 50.6	* 20.5	80	3300	1145	316	* 512	* 9.1	9.2	76.9	93.5	.81	.84	* 6	* 1.38	1.56	* 10.5	9.1	16.4	* 47.0	1.56	682
D * 13: 6	* 9088.0	9077.9	9053.0	* 21.2	* 27.3</																				