

\* ON-LINE TDC

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

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

* TIME	* DEPTHS			* DRILLING PARAMETERS						* MUD PARAMETERS				* OVERPRESSURE SURVEY				* ACCUMULATED ON BIT							
	* MEASURED	* VERTCL	* LAGGED	* ROP	* WOB	RPM	TORG	PRESS	FLOW	* PIT	DENSITY	TEMPERATURE		RESISTIVITY		* GAG	* DCS	NORM	PF	ECD	FRAC	* FEET	* COST		
* Hr:mn	* feet	feet	feet	* ft/h	* klbs	rpm	ftlb	psi	gpm	* VOL	IN	OUT	IN	OUT	* unit	* ppq	ppq	ppq	ppq	ppq	* feet	Dhr	\$		
D * 14:37	* 9138.5	9128.2	9095.0	* 42.5	* 32.0	82	3300	1131	316	* 488	* 9.1	9.2	79.4	94.5	.82	.84	* 6	* 1.40	1.56	* 9.8	9.1	16.3	* 98.2	3.02	380
D * 14:38	* 9139.2	9129.1	9095.0	* 71.5	* 31.0	80	3500	94	319	* 488	* 9.1	9.3	79.4	94.5	.82	.83	* 6	* 1.23	1.56	* 9.9	9.1	16.3	* 99.1	3.03	377
D * 14:40	* 9140.0	9129.9	9095.0	* 26.3	* 28.3	80	3400	1027	303	* 490	* 9.1	9.2	79.5	94.7	.82	.85	* 6	* 1.51	1.56	* 9.9	9.1	16.3	* 99.9	3.06	375
D * 14:53	* 9141.2	9131.1	9101.0	* 15.8	* 28.5	74	3200	1131	312	* 488	* 9.1	9.3	79.7	94.2	.82	.84	* 6	* 1.42	1.56	* 9.6	9.1	16.3	* 101.1	3.13	373
D * 14:54	* 9142.1	9132.0	9101.0	* 108.4	* 27.6	77	3100	1126	316	* 486	* 9.1	9.2	79.6	94.1	.82	.84	* 6	* 1.86	1.56	* 9.9	9.1	16.3	* 102.0	3.14	370
D * 14:56	* 9143.2	9133.1	9103.0	* 33.8	* 26.2	74	3200	1116	312	* 484	* 9.1	9.2	79.6	95.0	.82	.83	* 6	* 1.37	1.56	* 10.0	9.1	16.3	* 103.1	3.17	368
D * 14:57	* 9144.1	9134.0	9103.0	* 42.2	* 28.9	76	3100	1112	316	* 484	* 9.1	9.3	79.7	95.1	.82	.83	* 6	* 1.29	1.56	* 10.6	9.1	16.5	* 104.0	3.19	365
D * 14:59	* 9145.3	9134.0	9105.0	* 42.2	* 25.0	76	3200	1116	316	* 488	* 9.1	9.2	79.7	94.7	.82	.84	* 6	* 1.29	1.56	* 10.6	9.1	16.5	* 104.0	3.23	365
D * 15: 0	* 9146.1	9136.0	9105.0	* 43.2	* 28.2	76	3200	1112	311	* 488	* 9.1	9.2	79.7	94.9	.82	.84	* 6	* 1.30	1.56	* 10.5	9.1	16.4	* 106.0	3.25	360
D * 15: 3	* 9147.3	9137.2	9106.0	* 32.8	* 25.8	76	3100	1116	316	* 476	* 9.1	9.2	79.7	95.3	.82	.84	* 6	* 1.30	1.56	* 9.9	9.1	16.3	* 107.2	3.29	357
D * 15: 4	* 9148.4	9137.2	9107.0	* 32.8	* 29.0	75	3200	1112	315	* 478	* 9.1	9.2	79.7	95.2	.82	.84	* 6	* 1.30	1.56	* 9.9	9.1	16.3	* 107.2	3.31	357
D * 15: 6	* 9149.0	9138.3	9107.0	* 37.9	* 29.2	75	3100	1112	316	* 476	* 9.1	9.2	79.5	95.6	.82	.85	* 6	* 1.35	1.56	* 10.1	9.1	16.4	* 108.3	3.34	355
D * 15: 8	* 9150.7	9140.6	9108.0	* 49.7	* 30.9	74	3200	1121	316	* 474	* 9.1	9.2	78.9	95.7	.82	.85	* 6	* 1.28	1.56	* 10.6	9.1	16.5	* 110.6	3.38	349
D * 15: 9	* 9151.2	9140.6	9108.0	* 49.7	* 28.4	77	3100	1116	312	* 474	* 9.1	9.2	78.7	96.1	.82	.85	* 6	* 1.28	1.56	* 10.6	9.1	16.5	* 110.6	3.39	349
D * 15:11	* 9152.1	9141.1	9110.0	* 38.1	* 29.5	74	3200	1121	316	* 474	* 9.1	9.2	78.8	95.9	.82	.85	* 6	* 1.45	1.56	* 9.5	9.1	16.2	* 111.1	3.42	348
D * 15:12	* 9153.1	9142.0	9110.0	* 27.2	* 28.4	75	3200	1112	312	* 478	* 9.1	9.2	79.6	95.8	.82	.85	* 6	* 1.46	1.56	* 9.4	9.1	16.2	* 112.0	3.45	346
D * 15:14	* 9154.2	9143.0	9111.0	* 35.9	* 27.8	76	3200	1102	312	* 472	* 9.1	9.3	79.8	95.4	.82	.85	* 6	* 1.37	1.56	* 10.0	9.1	16.3	* 113.0	3.48	344
D * 15:16	* 9155.3	9145.2	9113.0	* 36.8	* 29.8	74	3200	1107	312	* 472	* 9.1	9.2	79.9	95.6	.83	.84	* 6	* 1.36	1.57	* 10.1	9.1	16.4	* 115.2	3.51	340
D * 15:19	* 9156.9	9146.8	9115.0	* 34.7	* 27.1	76	3300	1112	312	* 478	* 9.1	9.2	80.0	96.1	.82	.85	* 6	* 1.38	1.57	* 9.9	9.1	16.3	* 116.8	3.56	336
D * 15:20	* 9157.5	9146.8	9115.0	* 34.7	* 27.5	76	3200	1121	316	* 478	* 9.1	9.2	80.0	96.1	.82	.85	* 6	* 1.38	1.57	* 9.9	9.1	16.3	* 116.8	3.56	336
D * 15:21	* 9158.2	9148.1	9115.0	* 32.5	* 28.8	76	3200	1112	316	* 478	* 9.1	9.2	80.1	96.2	.83	.84	* 6	* 1.39	1.57	* 9.9	9.1	16.3	* 118.1	3.59	334
D * 15:22	* 9159.0	9148.1	9117.0	* 32.5	* 25.6	74	3200	1121	312	* 478	* 9.1	9.2	80.2	95.5	.82	.86	* 6	* 1.39	1.57	* 9.9	9.1	16.3	* 118.1	3.61	334
D * 15:24	* 9160.0	9149.9	9117.0	* 45.1	* 29.9	76	3200	1121	312	* 478	* 9.1	9.2	80.3	95.7	.83	.85	* 6	* 1.28	1.57	* 10.6	9.1	16.5	* 119.9	3.64	330
D * 15:26	* 9161.4	9151.3	9119.0	* 39.1	* 29.4	75	3300	1121	316	* 478	* 9.1	9.2	79.9	95.6	.83	.85	* 6	* 1.35	1.57	* 10.2	9.1	16.4	* 121.3	3.67	327
D * 15:28	* 9162.5	9151.3	9121.0	* 39.1	* 27.7	74	3200	1121	312	* 468	* 9.1	9.2	80.1	96.1	.83	.84	* 6	* 1.35	1.57	* 10.2	9.1	16.4	* 121.3	3.71	327
D * 15:29	* 9163.3	9153.2	9121.0	* 49.0	* 27.7	75	3300	1121	316	* 466	* 9.1	9.2	80.3	96.2	.83	.84	* 6	* 1.25	1.57	* 10.0	9.1	16.3	* 123.2	3.72	324
D * 15:31	* 9164.3	9154.2	9122.0	* 29.3	* 26.8	74	3100	1116	316	* 466	* 9.1	9.2	80.4	95.9	.83	.84	* 6	* 1.39	1.57	* 9.8	9.1	16.3	* 124.2	3.76	322
D * 15:33	* 9165.3	9155.2	9124.0	* 33.9	* 26.8	75	3200	1116	316	* 464	* 9.1	9.2	80.4	96.1	.83	.84	* 6	* 1.36	1.57	* 10.1	9.1	16.4	* 125.2	3.79	321
D * 15:36	* 9166.5	9156.4	9125.0	* 27.3	* 26.4	76	3200	1121	312	* 462	* 9.1	9.2	80.5	96.4	.83	.84	* 6	* 1.40	1.57	* 9.8	9.1	16.3	* 126.4	3.83	319
D * 15:38	* 9167.5	9157.4	9125.0	* 28.7	* 26.4	76	3200	1126	312	* 462	* 9.1	9.2	80.7	96.4	.83	.84	* 6	* 1.41	1.57	* 9.7	9.1	16.3	* 127.4	3.87	317
D * 15:38	* 9168.2	9158.1	9125.0	* 183.4	* 28.5	76	3200	1126	312	* 462	* 9.1	9.2	80.6	96.5	.83	.84	* 6	* .87	1.57	* 10.0	9.1	16.3	* 128.1	3.87	316
D * 15:40	* 9169.3	9159.2	9126.0	* 37.8	* 29.3	75	3200	1098	312	* 468	* 9.1	9.2	80.7	96.2	.83	.85	* 6	* 1.35	1.57	* 10.1	9.1	16.4	* 129.2	3.90	314
D * 15:50	* 9170.2	9159.2	9130.0	* 37.8	* 11.8	22	1400	1121	309	* 468	* 9.2	9.3	80.9	96.1	.83	.84	* 7	* 1.35	1.57	* 10.1	9.3	16.4	* 129.2	3.97	314
D * 15:50	* 9171.4	9160.9	9130.0	* 212.0	* 15.0	71	2000	1126	312	* 468	* 9.2	9.2	80.9	95.7	.83	.85	* 7	* .55	1.57	* 10.0	9.3	16.3	* 130.9	3.97	312
D * 15:52	* 9172.4	9160.9	9131.0	* 212.0	* 26.2	82	3600	1173	317	* 464	* 9.2	9.3	80.9	94.5	.83	.87	* 7	* .55	1.57	* 10.0	9.3	16.3	* 130.9	4.00	312
D * 15:53	* 9173.1	9163.0	9133.0	* 29.4	* 27.2	83	3500	1159	321	* 458	* 9.2	9.3	80.9	93.8	.83	.86	* 7	* 1.40	1.57	* 9.8	9.2	16.3	* 133.0	4.02	308
D * 15:56	* 9174.4	9164.3	9133.0	* 31.1	* 28.0	82	3400	1163	320	* 454	* 9.2	9.3	80.9	94.0	.83	.85	* 6	* 1.38	1.57	* 9.9	9.3	16.3	* 134.3	4.07	306
D * 15:57	* 9175.2	9165.0	9135.0	* 32.6	* 26.3	83	3500	1159	316	* 452	* 9.2	9.4	80.9	95.3	.83	.84	* 6	* 1.37	1.57	* 10.0	9.2	16.4	* 135.0	4.09	305
D * 15:59	* 9176.4	9166.3	9136.0	* 31.8	* 27.3	82	3400	1163	316	* 458	* 9.2	9.4	80.9	95.3	.83	.84	* 6	* 1.37	1.57	* 10.0	9.2	16.3	* 136.3	4.13	304
D * 16: 1	* 9177.3	9167.2	9136.0	* 47.3	* 28.6	85	3500	1159	321	* 448	* 9.2	9.4	80.9	95.1	.84	.84	* 6	* 1.26	1.57	* 10.0	9.2	16.3	* 137.2	4.15	302
D * 16: 2	* 9178.1	9167.2	9138.0	* 47.3	* 25.1	82	3500	1163	321	* 448	* 9.2	9.4	80.9	95.6	.83	.84	* 6	* 1.26	1.57	* 10.0	9.2	16.3	* 137.2	4.17	302
D * 16: 3	* 9179.2	9169.1	9138.0	* 43.6	* 25.4	83	3400	1163	316	* 448	* 9.2	9.3	80.9	95.7	.83	.83	* 6	* 1.27	1.57	* 10.7	9.3	16.5	* 139.1	4.20	299
D * 16: 5	* 9180.2	9170.1	9140.0	* 34.9	* 27.2	81	3500	1163	316	* 446	* 9.2	9.4	81.0	96.3	.83	.84	* 6	* 1.35	1.57	* 10.1	9.2	16.4	* 140.1	4.22	298
D * 16: 7	* 9181.4	9170.1	9140.0	* 34.9	* 25.2	82	3400	1159	321	* 444	* 9.2	9.3	81.0	95.7	.83	.84	* 6	* 1.35	1.57	* 10.1	9.3	16.4	* 140.1	4.25	298
D * 16: 8	* 9182.0	9171.3	9140.0	* 46.4	* 26.2	82	3400	1154	319	* 444	* 9.2	9.3	81.0	96.0	.83	.85	* 6	* 1.26	1.57	* 10.0	9.3	16.3	* 141.3	4.27	296
D * 16:10	* 9183.2	9171.9	9140.0	* 26.4	* 26.0	83	3500	1159	316	* 444	* 9.3	9.3	81.1	95.7	.83	.86	* 6	* 1.41	1.57	* 9.7	9.3	16.3	* 141.9	4.30	295
D * 16:13	* 9184.9	9174.8	9140.0	* 37.6	* 27.5	83	3500	1159	316	* 444	* 9.2	9.3	81.1	96.0	.83	.85	* 6	* 1.34	1.57	* 10.2	9.2	16.4	* 144.0	4.35	291
D * 16:13	* 9185.0	9175.0	9141.0	* 33.8	* 26.7	83	3500	1154	316	* 442	* 9.2	9.3	81.1	96.8	.83	.84	* 6	* 1.36	1.57	* 10.1	9.2	16.4	* 145.0	4.35	291
D * 16:14	* 9186.0	9175.9	9141.0	* 41.6	* 31.1	82	3500	1159																	