* 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

466555

	TIME	MEASURED DEPTHS	VERTCL	LAGGED	ROP	WOB	DRILLING PARAMETERS RPM	TORQ	PRESS	FLOW IN	PIT VOL	DENSITY IN	DENSITY OUT	MUD PARAMETERS TEMPERATURE IN	TEMPERATURE OUT	RESISTIVITY IN	RESISTIVITY OUT	GAS	DCS	OVERPRESSURE SURVEY NORM	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	$
D	16:16	9187.4	9177.2	9143.0	49.3	28.0	82	3500	1163	320	440	9.2	9.3	81.2	96.6	.83	.84	6	1.28	1.57	10.6	9.2	16.5	147.2	4.41	288
D	16:17	9188.9	9178.7	9143.0	56.5	29.0	82	3500	1163	316	442	9.2	9.4	81.3	96.8	.83	.84	6	1.22	1.57	10.0	9.3	16.3	148.7	4.43	285
D	16:18	9189.1	9178.7	9143.0	56.5	28.2	82	3600	1159	321	442	9.2	9.4	81.3	96.8	.83	.84	6	1.22	1.57	10.0	9.3	16.3	148.7	4.43	285
D	16:19	9190.3	9180.2	9145.0	56.3	30.0	81	3500	1163	316	442	9.2	9.3	81.3	96.6	.83	.85	6	1.22	1.57	10.0	9.3	16.3	150.2	4.45	283
D	16:20	9191.4	9181.0	9145.0	35.2	24.8	82	3600	1159	320	442	9.2	9.5	81.4	96.2	.83	.86	6	1.35	1.57	10.1	9.3	16.4	151.0	4.48	282
D	16:22	9192.5	9182.4	9147.0	39.1	26.4	83	3500	1163	316	444	9.2	9.4	81.3	96.5	.83	.84	6	1.32	1.57	10.4	9.3	16.4	152.4	4.51	281
D	16:23	9193.2	9183.0	9147.0	91.9	24.9	84	3400	1163	316	444	9.2	9.3	81.4	96.6	.83	.85	6	1.06	1.57	10.0	9.2	16.3	153.0	4.52	280
D	16:24	9194.2	9184.1	9148.0	53.5	28.0	81	3500	1163	316	446	9.2	9.3	81.5	96.2	.83	.84	6	1.24	1.57	10.0	9.3	16.3	154.1	4.54	278
D	16:26	9195.5	9185.4	9148.0	33.3	27.5	81	3400	1168	316	444	9.2	9.3	81.4	96.6	.83	.85	6	1.35	1.57	10.2	9.3	16.4	155.4	4.58	277
D	16:27	9196.5	9185.4	9150.0	33.3	25.6	81	3500	1163	316	442	9.2	9.3	81.5	97.0	.83	.84	6	1.35	1.57	10.2	9.3	16.4	155.4	4.59	277
D	16:29	9197.8	9187.4	9150.0	37.5	26.2	82	3500	1163	319	444	9.2	9.4	81.5	96.6	.83	.84	6	1.32	1.57	10.4	9.3	16.4	157.4	4.62	274
D	16:31	9198.6	9188.5	9152.0	35.6	27.8	84	3500	1163	316	442	9.2	9.4	81.5	96.7	.83	.84	6	1.33	1.57	10.3	9.3	16.4	158.5	4.65	273
D	16:31	9199.3	9189.2	9152.0	92.4	26.0	82	3500	1163	316	442	9.2	9.4	81.5	96.6	.83	.84	6	1.07	1.57	10.0	9.3	16.4	159.2	4.66	272
D	16:33	9200.3	9189.2	9153.0	92.4	24.5	83	3500	1163	321	444	9.2	9.3	81.6	96.5	.83	.85	6	1.07	1.57	10.0	9.2	16.4	159.2	4.69	272
D	16:35	9201.3	9190.2	9153.0	30.2	24.0	83	3500	1163	316	442	9.2	9.4	81.6	97.0	.83	.84	6	1.36	1.57	10.1	9.3	16.4	160.2	4.71	271
D	16:36	9202.5	9192.4	9155.0	37.9	27.3	83	3500	1163	320	442	9.2	9.4	81.6	97.3	.83	.84	6	1.32	1.57	10.4	9.3	16.4	162.4	4.74	269
D	16:37	9203.0	9192.4	9155.0	37.9	25.7	82	3500	1173	321	440	9.2	9.3	81.6	97.2	.83	.84	6	1.32	1.57	10.4	9.3	16.4	162.4	4.75	269
D	17:44	9204.5	9192.9	9196.0	75.2	26.3	76	3200	1121	307	597	9.1	9.2	74.9	96.6	1.00	.86	6	1.12	1.57	10.0	9.2	16.4	162.9	5.02	268
D	17:46	9205.6	9195.5	9198.0	42.8	27.6	75	3200	1121	307	597	9.1	9.3	74.9	97.4	1.00	.84	6	1.28	1.57	10.7	9.1	16.5	165.5	5.05	270
D	17:47	9206.5	9195.5	9198.0	42.8	26.6	76	3200	1121	312	597	9.1	9.3	74.9	97.0	1.00	.84	6	1.28	1.57	10.7	9.1	16.5	165.5	5.07	270
D	17:48	9207.1	9197.0	9200.0	36.9	28.1	75	3200	1116	307	597	9.1	9.3	74.9	96.6	1.00	.84	6	1.33	1.57	10.3	9.2	16.4	167.0	5.09	269
D	17:51	9208.8	9198.7	9202.0	47.3	27.7	75	3200	1121	307	597	9.1	9.3	74.9	95.9	1.00	.85	6	1.24	1.57	10.0	9.2	16.4	168.7	5.13	267
D	17:51	9209.3	9198.7	9202.0	47.3	30.4	75	3200	1121	312	597	9.2	9.3	74.9	96.1	1.00	.84	6	1.24	1.57	10.0	9.2	16.4	168.7	5.14	267
D	17:52	9210.1	9200.0	9202.0	44.0	28.3	76	3300	1126	312	599	9.1	9.3	75.0	96.3	1.00	.84	6	1.28	1.57	10.6	9.2	16.5	170.0	5.16	266
D	17:55	9211.6	9201.5	9203.0	43.8	27.5	75	3200	1121	312	603	9.1	9.3	74.9	95.8	1.00	.84	6	1.28	1.57	10.7	9.2	16.5	171.5	5.20	264
D	17:55	9212.1	9202.0	9203.0	77.9	27.5	74	3200	1121	312	603	9.1	9.3	74.9	96.0	1.00	.85	6	1.11	1.57	10.0	9.2	16.4	172.0	5.20	263
D	17:57	9213.5	9203.4	9203.0	36.6	27.1	76	3300	1121	307	609	9.1	9.3	75.0	95.8	1.00	.85	6	1.33	1.57	10.3	9.2	16.4	173.4	5.24	262
D	17:58	9214.3	9204.2	9203.0	67.5	30.1	76	3200	1121	312	611	9.1	9.2	75.0	95.1	.99	.86	6	1.16	1.57	10.0	9.2	16.4	174.2	5.25	261
D	17:59	9215.2	9205.1	9203.0	42.9	29.0	75	3300	1121	307	613	9.1	9.3	75.1	95.2	.99	.85	6	1.30	1.57	10.5	9.1	16.5	175.1	5.27	260
D	18: 1	9216.2	9206.2	9203.0	43.1	29.4	76	3300	1116	312	615	9.2	9.2	75.1	95.3	1.00	.85	6	1.29	1.57	10.6	9.2	16.5	176.2	5.30	259
D	18: 2	9217.2	9207.1	9203.0	45.1	27.5	76	3300	1116	312	617	9.1	9.2	75.1	94.9	.99	.85	6	1.26	1.57	10.0	9.2	16.4	177.1	5.32	258
D	18: 4	9218.1	9208.0	9203.0	27.9	28.7	76	3300	1116	309	621	9.1	9.3	75.1	95.3	.99	.84	6	1.42	1.57	9.7	9.2	16.3	178.0	5.35	258
D	18: 4	9219.1	9209.1	9203.0	150.1	28.0	75	3300	1116	307	621	9.1	9.2	75.1	95.2	.99	.85	6	.91	1.57	10.0	9.1	16.4	179.1	5.36	256
D	18: 6	9220.2	9210.1	9203.0	44.7	29.7	77	3300	1116	312	625	9.1	9.3	75.1	94.9	.99	.84	6	1.26	1.57	10.0	9.2	16.4	180.1	5.38	255
D	18: 7	9221.2	9211.1	9203.0	57.6	30.1	74	3300	1116	307	623	9.2	9.3	75.1	95.2	.99	.85	6	1.20	1.57	10.0	9.2	16.4	181.1	5.40	254
D	18: 8	9222.1	9212.0	9203.0	42.1	29.7	75	3400	1116	312	625	9.1	9.3	75.1	95.1	.99	.85	6	1.31	1.57	10.5	9.1	16.5	182.0	5.42	253
D	18:11	9223.2	9213.1	9203.0	21.6	28.9	76	3400	1116	312	627	9.1	9.3	75.1	94.9	.99	.85	6	1.51	1.57	10.0	9.2	16.4	183.1	5.47	253
D	18:13	9224.3	9214.2	9203.0	34.6	28.7	75	3300	1112	312	629	9.1	9.3	75.1	95.0	.99	.86	6	1.37	1.57	10.0	9.2	16.4	184.2	5.50	252
D	18:15	9225.4	9215.3	9203.0	34.9	28.5	76	3300	1112	312	633	9.1	9.3	75.2	95.1	.99	.86	6	1.35	1.57	10.2	9.2	16.4	185.3	5.53	251
D	18:16	9226.2	9216.1	9203.0	41.4	28.3	74	3300	1107	307	633	9.1	9.2	75.2	94.9	.99	.85	6	1.30	1.57	10.5	9.2	16.5	186.1	5.55	250
D	18:18	9227.2	9217.1	9203.0	35.0	28.7	74	3300	1112	311	635	9.1	9.2	75.2	94.9	.99	.85	6	1.35	1.57	10.1	9.2	16.4	187.1	5.58	249
D	18:20	9228.4	9218.3	9203.0	35.6	27.3	76	3300	1112	312	635	9.2	9.3	75.2	95.0	.99	.85	6	1.33	1.57	10.3	9.2	16.4	188.3	5.61	249
D	18:21	9229.9	9218.3	9203.0	35.6	28.5	76	3300	1112	312	637	9.1	9.2	75.2	94.9	.99	.87	6	1.33	1.57	10.3	9.2	16.4	188.3	5.64	249
D	18:22	9230.5	9220.4	9203.0	67.9	30.4	76	3200	1112	307	639	9.2	9.3	75.3	94.6	.98	.88	6	1.18	1.57	10.0	9.2	16.4	190.4	5.65	246
D	18:24	9231.6	9221.5	9203.0	26.8	28.3	75	3300	1112	307	639	9.1	9.2	75.2	94.7	.99	.89	6	1.43	1.57	9.6	9.2	16.3	191.5	5.69	246
D	18:25	9232.1	9222.0	9203.0	66.5	28.7	74	3300	1112	307	637	9.1	9.2	75.2	94.7	.98	.89	6	1.15	1.57	10.0	9.2	16.4	192.0	5.70	245
T	19: 2	9232.2	9222.0	9209.0	------	------	81	3200	1403	351	619	9.2	9.1	78.8	97.5	.95	.98	6	------	------	------	------	------	------	------	------
T	19:12	9232.2	9222.0	9218.0	------	------	81	3300	1393	351	617	9.2	9.2	78.8	96.9	.95	1.00	6	------	------	------	------	------	------	------	------
T	19:22	9232.2	9222.0	9225.0	------	------	0	-100	1412	351	611	9.2	9.2	79.6	97.4	.96	.99	6	------	------	------	------	------	------	------	------