

15-135-24182

4-19s-24w

Ricketts

Testing/Logs

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FROM CONFIDENTIAL

Lease & Well No. CRICK #1-4

Company MULL DRILLING COMPANY, INC.
 Elevation 2331 K.B. Formation FT. SCOTT Ticket No. 2059
 Date 6-23-02 Sec. 4 Twp. 19S Range 24W County NESS State KS
 Test Approved by ROGER MARTIN Ricketts Representative JIM RICKETTS

Formation Test No. 1 Interval Tested from 4233 ft. to 4290 ft. Total Depth 4290 ft.
 Packer Depth 4233 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 4230 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____

KCC

JUL 25 2002

Top Recorder Depth (Inside) 4238 ft. Recorder Number 13306 Cap. 4625
 Bottom Recorder Depth (Outside) 4241 ft. Recorder Number 243 Cap. 6000
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

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Drilling Contractor DISCOVERY DRILLING RIG #2 Drill Collar Length _____ I.D. _____ in.
 Mud Type CHEMICAL Viscosity 48 Weight Pipe Length _____ I.D. _____ in.
 Weight 9.2 Water Loss 9.6 cc. Drill Pipe Length 4213 I.D. 3.25 in.
 Chlorides 3,500 P.P.M. Test Tool Length 20 ft. Tool Size. 5 1/2 in.
 Jars: Make _____ Serial Number _____ Anchor Length 57 ft. Size 5 1/2 in.
 Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Gravity Oil _____ Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: WEAK BLOW BUILDING TO 3" IN WATER INITIAL FLOW PERIOD.
WEAK BLOW BUILDING TO 8" IN WATER FINAL FLOW PERIOD.

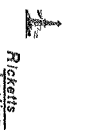
Recovered 120 ft. of GAS IN PIPE.
 Recovered 7 ft. of FREE OIL.
 Recovered 63 ft. of SLIGHTLY OIL & WATER MUD. 2% WATER 1% OIL 97% MUD
 Recovered 60 ft. of SLIGHTLY OIL & WATER CUT MUD 1% OIL 15% WATER 84% MUD
 Recovered _____ ft. of _____

Remarks: _____

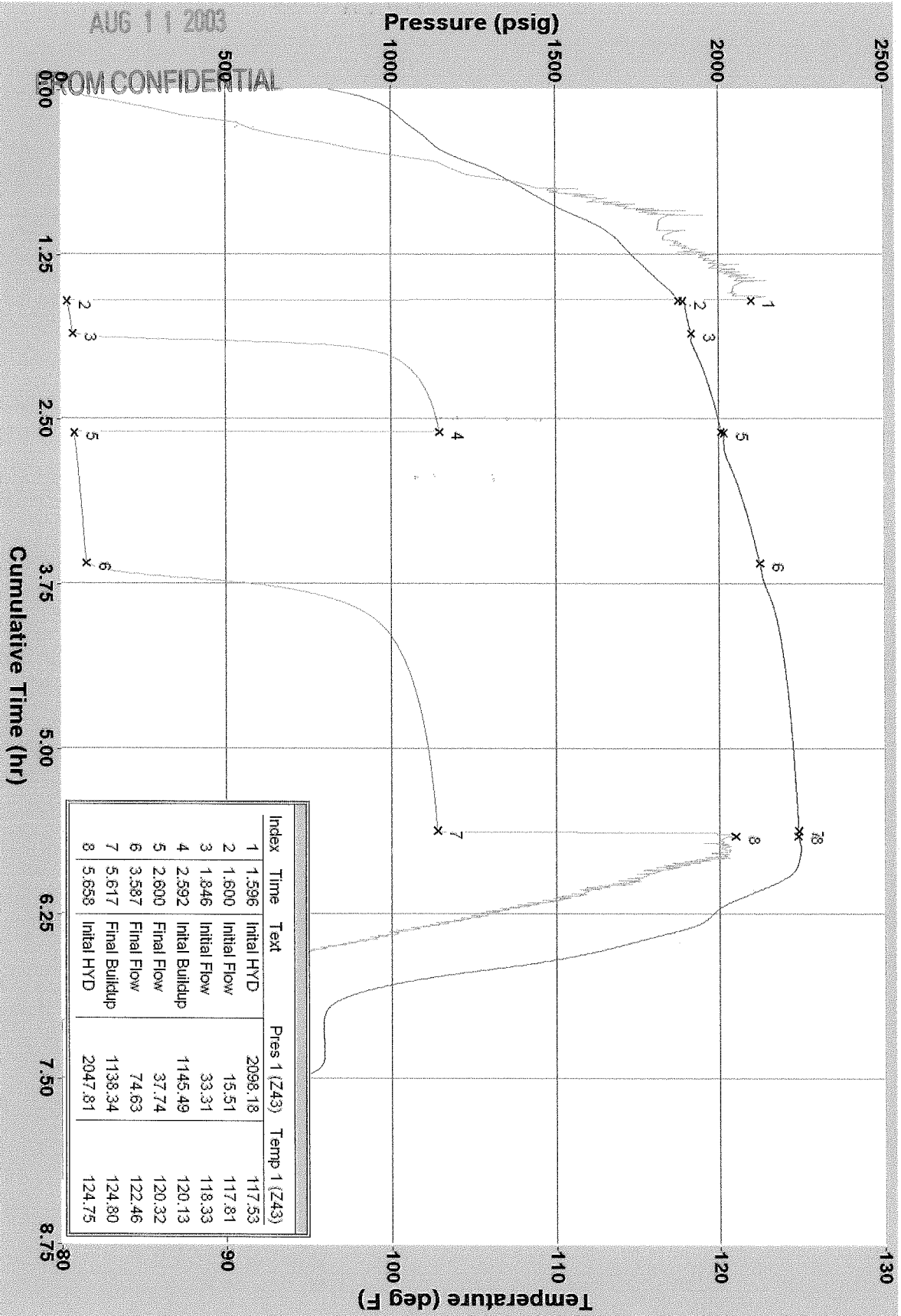
Time Set Packer (s) 5:08 A.M. Time Started Off Bottom 9:08 A.M. Maximum Temperature 124°
 Initial Hydrostatic Pressure(A) 2098 P.S.I.
 Initial Flow PeriodMinutes 15 (B) 15 P.S.I. to
 (C) 33 P.S.I.
 Initial Closed In PeriodMinutes 45 (D) 1145 P.S.I.
 Final Flow PeriodMinutes 60 (E) 37 P.S.I. to
 (F) 74 P.S.I.
 Final Closed In PeriodMinutes 120 (G) 1138 P.S.I.
 Final Hydrostatic Pressure(H) 2047 P.S.I.



Company Name Mull Drilling Co. Inc.
 Well Name Crick 1-4
 Type of Test DST #1
 Date(s) of Test 6-23-2002



6-23-2002 DST#1 Crick 1-4



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Company MULL DRILLING COMPANY, INC. Lease & Well No. CRICK #1-4
 Elevation 2331 K.B. Formation CHEROKEE SAND Ticket No. 2060
 Date 6-23-02 Sec. 4 Twp. 19S Range 24W County NESS State KS
 Test Approved by ROGER MARTIN Ricketts Representative JIM RICKETTS

Formation Test No. 2 Interval Tested from 4308 ft. to 4350 ft. Total Depth 4350 ft.
 Packer Depth 4308 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 4305 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____

KCC

Top Recorder Depth (Inside) 4313 ft. Recorder Number 13306 Cap. 4625
 Bottom Recorder Depth (Outside) 4316 ft. Recorder Number 243 Cap. 6000
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

JUL 25 2002
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Drilling Contractor DISCOVERY DRILLING RIG #1 Drill Collar Length _____ I.D. _____ in.
 Mud Type CHEMICAL Viscosity 51 Weight Pipe Length _____ I.D. _____ in.
 Weight 9.3 Water Loss 10.4 cc. Drill Pipe Length 4288 I.D. 3.25 in.
 Chlorides 4,000 P.P.M. Test Tool Length 20 ft. Tool Size. 5 1/2 in.
 Jars: Make _____ Serial Number _____ Anchor Length 42 ft. Size 5 1/2 in.
 Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Gravity Oil _____ Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XJ in.

Blow: STRONG BLOW IN 5 MINUTES INITIAL FLOW PERIOD.
STRONG BLOW IN 3 MINUTES FINAL FLOW PERIOD.

Recovered 250 ft. of FREE OIL.
 Recovered 250 ft. of MUD & GAS CUT OIL 20% MUD 50% OIL 30% GAS
 Recovered 60 ft. of OIL & GAS CUT MUD 40% MUD 25% OIL 35% GAS
 Recovered 310 ft. of GAS IN PIPE.
 Recovered _____ ft. of _____

Remarks: _____

Time Set Packer (s)	<u>9:52 P.M.</u>	Time Started Off Bottom	<u>1:07 A.M.</u>	Maximum Temperature	<u>128°</u>
Initial Hydrostatic Pressure	(A)	<u>2119</u>		P.S.I.	
Initial Flow Period	Minutes	<u>15</u>	(B)	<u>45</u>	P.S.I. to
			(C)	<u>103</u>	P.S.I.
Initial Closed In Period	Minutes	<u>45</u>	(D)	<u>1135</u>	P.S.I.
Final Flow Period	Minutes	<u>45</u>	(E)	<u>118</u>	P.S.I. to
			(F)	<u>227</u>	P.S.I.
Final Closed In Period	Minutes	<u>90</u>	(G)	<u>1030</u>	P.S.I.
Final Hydrostatic Pressure			(H)	<u>2048</u>	P.S.I.

Pressure Test Report

COMPANY INFORMATION

Company Name Mull Drilling Co. Inc.
Representative Roger Martin
Phone
Fax
Address

E-Mail Address
Service Company

WELL INFORMATION

Well Name Crick 1-4
Well Location 4-19S-24W SW-SW-NW
Field and Pool McDonald
Status (Oil, Gas, Water, Injection) Oil
Perforated Intervals
Mid-point of Perforated Intervals (MPP)
Drilling Rig Number Discovery Rig #2
Elevations
 Kelly Bushing (KB) 2331 KB
 Casing Flange (CF)
 KB-CF
 Ground Level 2322GI
Plug Back Total Depth
Total Depth 4350'
Production Casing
Production Tubing

TEST INFORMATION

Type of Test DST#2
Date(s) of Test 6-23-2002
Dead-weight Gauge Tubing Pressure
Dead-weight Gauge Casing Pressure
Shut-in Date (Duration)
Date / Time on Bottom 6-23-2002 9:52 PM
Date / Time off Bottom 6-24-2002 1:07 Am

Probe Serial Number Z43
Probe Offset from End of Tool String
Run Depth at Probe Pressure Port

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure 2150.2 psig
Maximum Recorded Probe Temperature 129.1 deg F
Final Buildup Pressure
Gradient Survey Information
 Extrapolated Pressure to MPP
 Final Gradient at Depth
Job Number



Company Name Mull Drilling Co. Inc.
 Well Name Crick 1-4
 Type of Test DST#2
 Date(s) of Test 6-23-2002



PROBE INFORMATION

Probe Serial Number Z43
 Model Level II
 Pressure
 Calibrated Pressure Range 0.0 - 6000.0 psig
 Accuracy 0.05% FS
 Resolution 0.0015% FS
 Temperature
 Calibrated Temperature Range -2.7 - 303.7 deg F
 Accuracy 0.25% FS
 Resolution 0.002% FS
 Calibration File Used for Reports Z43DE26A.CAL

PROGRAMMING DETAILS

<u>Step</u>	<u>Sample Mode</u>	<u>Period</u>	<u>Duration</u>	<u>Comment</u>
0	Pause	5 seconds	25 seconds	Test mode
1	Pressure Trigger	30 seconds	indefinite	Trig @ 20 psi
2	Normal	3 minutes	45 minutes	
3	Overrun	15 seconds	end of memory	Fill remaining memory

Program Start Time Jun 23/2002 @ 20:38:37
 Program End Time Jun 24/2002 @ 04:20:22
 Total Samples Taken 1683
 Usage for this Test 0.0620 Ah
 Generic Data File Name Z43JN24A.GEN



Company Name Mull Drilling Co. Inc.
Well Name Crick 1-4
Type of Test DST#2
Date(s) of Test 6-23-2002



COMMENTS

Reported By James Ricketts

Strong blow thru-out test Recover 250' free oil,250' mud&gas cut oil 20% mud,50% oil30% gas,60' oil & gas cut mud 40% mud, 25% oil,35% gas 310' gas in pipe



Company Name Mull Drilling Co. Inc.
 Well Name Crick 1-4
 Type of Test DST#2
 Date(s) of Test 6-23-2002



Date	Time	Cum. T. 1 (Z43)	Pres 1 (Z43)	Temp 1 (Z43)
		hr	psig	deg F
2002/06/23	20:38:37	0.0000	43.085	101.462
2002/06/23	20:41:37	0.0500	109.697	101.665
2002/06/23	20:44:37	0.1000	224.008	101.770
2002/06/23	20:47:37	0.1500	347.124	101.766
2002/06/23	20:50:37	0.2000	470.913	101.777
2002/06/23	20:53:37	0.2500	553.987	101.898
2002/06/23	20:56:37	0.3000	678.794	102.063
2002/06/23	20:59:37	0.3500	799.540	102.339
2002/06/23	21:02:37	0.4000	887.356	102.747
2002/06/23	21:05:37	0.4500	1011.715	103.294
2002/06/23	21:08:37	0.5000	1130.223	103.951
2002/06/23	21:11:37	0.5500	1188.201	104.677
2002/06/23	21:14:37	0.6000	1288.321	105.327
2002/06/23	21:17:37	0.6500	1405.103	105.933
2002/06/23	21:20:37	0.7000	1587.349	106.561
2002/06/23	21:23:37	0.7500	1577.164	107.292
2002/06/23	21:25:07	0.7750	1642.895	107.609
2002/06/23	21:26:37	0.8000	1709.032	107.969
2002/06/23	21:28:07	0.8250	1742.084	108.370
2002/06/23	21:29:37	0.8500	1755.704	108.775
2002/06/23	21:31:07	0.8750	1807.747	109.206
2002/06/23	21:32:37	0.9000	1859.621	109.650
2002/06/23	21:34:07	0.9250	1949.868	110.106
2002/06/23	21:35:37	0.9500	1950.094	110.563
2002/06/23	21:37:07	0.9750	2049.435	111.027
2002/06/23	21:38:37	1.0000	2042.421	111.479
2002/06/23	21:40:07	1.0250	2064.421	111.924
2002/06/23	21:41:37	1.0500	2048.299	112.361
2002/06/23	21:43:07	1.0750	2046.984	112.770
2002/06/23	21:44:37	1.1000	2045.766	113.106
2002/06/23	21:46:07	1.1250	2012.256	113.391
2002/06/23	21:47:37	1.1500	2094.450	113.625
2002/06/23	21:49:07	1.1750	2093.590	113.882
2002/06/23	21:50:37	1.2000	2103.325	114.143
2002/06/23	21:52:07	1.2250	2121.996	114.406
Initial HYD				
2002/06/23	21:52:37	1.2333	2118.999	114.496
Initial Flow				
2002/06/23	21:53:07	1.2417	45.298	114.841
2002/06/23	21:53:37	1.2500	62.476	114.926
2002/06/23	21:55:07	1.2750	58.285	115.115
2002/06/23	21:56:37	1.3000	63.288	115.419
2002/06/23	21:58:07	1.3250	69.497	115.894
2002/06/23	21:59:37	1.3500	75.764	116.447
2002/06/23	22:01:07	1.3750	81.752	117.048
2002/06/23	22:02:37	1.4000	87.275	117.685
2002/06/23	22:04:07	1.4250	93.409	118.276
2002/06/23	22:05:37	1.4500	99.559	118.798
2002/06/23	22:07:07	1.4750	101.139	119.275
Initial Flow				



Company Name Mull Drilling Co. Inc.
Well Name Crick 1-4
Type of Test DST#2
Date(s) of Test 6-23-2002



Date	Time	Cum. T. 1 (Z43)	Pres 1 (Z43)	Temp 1 (Z43)
		hr	psig	deg F
2002/06/23	22:08:07	1.4917	103.793	119.574
2002/06/23	22:08:37	1.5000	209.561	119.673
2002/06/23	22:10:07	1.5250	606.138	120.036
2002/06/23	22:11:37	1.5500	706.045	120.421
2002/06/23	22:13:07	1.5750	775.788	120.776
2002/06/23	22:14:37	1.6000	829.503	121.059
2002/06/23	22:16:07	1.6250	872.978	121.318
2002/06/23	22:17:37	1.6500	908.689	121.548
2002/06/23	22:19:07	1.6750	938.543	121.735
2002/06/23	22:20:37	1.7000	963.877	121.892
2002/06/23	22:22:07	1.7250	985.566	122.034
2002/06/23	22:23:37	1.7500	1004.276	122.162
2002/06/23	22:25:07	1.7750	1020.378	122.266
2002/06/23	22:26:37	1.8000	1034.410	122.367
2002/06/23	22:28:07	1.8250	1046.628	122.450
2002/06/23	22:29:37	1.8500	1057.410	122.520
2002/06/23	22:31:07	1.8750	1067.010	122.589
2002/06/23	22:32:37	1.9000	1075.500	122.650
2002/06/23	22:34:07	1.9250	1083.111	122.707
2002/06/23	22:35:37	1.9500	1089.922	122.763
2002/06/23	22:37:07	1.9750	1096.058	122.801
2002/06/23	22:38:37	2.0000	1101.636	122.850
2002/06/23	22:40:07	2.0250	1106.847	122.886
2002/06/23	22:41:37	2.0500	1111.585	122.927
2002/06/23	22:43:07	2.0750	1115.875	122.961
2002/06/23	22:44:37	2.1000	1119.796	122.995
2002/06/23	22:46:07	2.1250	1123.459	123.035
2002/06/23	22:47:37	2.1500	1126.830	123.062
2002/06/23	22:49:07	2.1750	1130.060	123.096
2002/06/23	22:50:37	2.2000	1132.966	123.129
Initial Buildup				
2002/06/23	22:52:07	2.2250	1135.851	123.159
2002/06/23	22:53:37	2.2500	118.087	123.318
Final Flow				
2002/06/23	22:53:52	2.2542	118.394	123.312
2002/06/23	22:55:07	2.2750	121.685	123.294
2002/06/23	22:56:37	2.3000	126.619	123.300
2002/06/23	22:58:07	2.3250	132.659	123.364
2002/06/23	22:59:37	2.3500	137.972	123.487
2002/06/23	23:01:07	2.3750	142.624	123.643
2002/06/23	23:02:37	2.4000	147.057	123.829
2002/06/23	23:04:07	2.4250	151.366	124.039
2002/06/23	23:05:37	2.4500	155.441	124.268
2002/06/23	23:07:07	2.4750	159.594	124.498
2002/06/23	23:08:37	2.5000	163.501	124.738
2002/06/23	23:10:07	2.5250	167.253	124.979
2002/06/23	23:11:37	2.5500	170.967	125.227
2002/06/23	23:13:07	2.5750	174.507	125.458
2002/06/23	23:14:37	2.6000	178.006	125.690
2002/06/23	23:16:07	2.6250	181.859	125.911



Company Name Mull Drilling Co. Inc.
 Well Name Crick 1-4
 Type of Test DST#2
 Date(s) of Test 6-23-2002



Date	Time	Cum. T. 1 (Z43)	Pres 1 (Z43)	Temp 1 (Z43)
		hr	psig	deg F
2002/06/23	23:17:37	2.6500	185.524	126.135
2002/06/23	23:19:07	2.6750	188.930	126.338
2002/06/23	23:20:37	2.7000	192.773	126.534
2002/06/23	23:22:07	2.7250	195.991	126.718
2002/06/23	23:23:37	2.7500	199.295	126.900
2002/06/23	23:25:07	2.7750	202.626	127.083
2002/06/23	23:26:37	2.8000	205.861	127.258
2002/06/23	23:28:07	2.8250	208.985	127.441
2002/06/23	23:29:37	2.8500	212.050	127.620
2002/06/23	23:31:07	2.8750	215.399	127.801
2002/06/23	23:32:37	2.9000	218.459	127.960
2002/06/23	23:34:07	2.9250	221.387	128.113
2002/06/23	23:35:37	2.9500	223.786	128.250
2002/06/23	23:37:07	2.9750	226.666	128.385
Final Flow				
2002/06/23	23:37:37	2.9833	227.572	128.421
2002/06/23	23:38:37	3.0000	473.316	128.471
2002/06/23	23:40:07	3.0250	560.800	128.602
2002/06/23	23:41:37	3.0500	615.225	128.716
2002/06/23	23:43:07	3.0750	657.785	128.817
2002/06/23	23:44:37	3.1000	692.604	128.898
2002/06/23	23:46:07	3.1250	721.747	128.957
2002/06/23	23:47:37	3.1500	746.778	129.011
2002/06/23	23:49:07	3.1750	768.594	129.054
2002/06/23	23:50:37	3.2000	787.434	129.088
2002/06/23	23:52:07	3.2250	803.997	129.106
2002/06/23	23:53:37	3.2500	818.718	129.119
2002/06/23	23:55:07	3.2750	831.853	129.133
2002/06/23	23:56:37	3.3000	843.563	129.135
2002/06/23	23:58:07	3.3250	854.177	129.139
2002/06/23	23:59:37	3.3500	863.774	129.133
2002/06/24	00:01:07	3.3750	872.628	129.126
2002/06/24	00:02:37	3.4000	880.780	129.121
2002/06/24	00:04:07	3.4250	888.202	129.110
2002/06/24	00:05:37	3.4500	895.089	129.094
2002/06/24	00:07:07	3.4750	901.534	129.087
2002/06/24	00:08:37	3.5000	907.517	129.078
2002/06/24	00:10:07	3.5250	913.220	129.065
2002/06/24	00:11:37	3.5500	918.489	129.047
2002/06/24	00:13:07	3.5750	923.440	129.038
2002/06/24	00:14:37	3.6000	928.219	129.022
2002/06/24	00:16:07	3.6250	932.704	129.007
2002/06/24	00:17:37	3.6500	936.932	128.995
2002/06/24	00:19:07	3.6750	941.010	128.984
2002/06/24	00:20:37	3.7000	944.908	128.968
2002/06/24	00:22:07	3.7250	948.662	128.952
2002/06/24	00:23:37	3.7500	952.226	128.935
2002/06/24	00:25:07	3.7750	955.733	128.928
2002/06/24	00:26:37	3.8000	959.087	128.912
2002/06/24	00:28:07	3.8250	962.324	128.901



Company Name Mull Drilling Co. Inc.
 Well Name Crick 1-4
 Type of Test DST#2
 Date(s) of Test 6-23-2002



Date	Time	Cum. T. 1 (Z43)	Pres 1 (Z43)	Temp 1 (Z43)
		hr	psig	deg F
2002/06/24	00:29:37	3.8500	965.463	128.881
2002/06/24	00:31:07	3.8750	968.463	128.860
2002/06/24	00:32:37	3.9000	971.449	128.854
2002/06/24	00:34:07	3.9250	974.222	128.838
2002/06/24	00:35:37	3.9500	977.053	128.827
2002/06/24	00:37:07	3.9750	979.772	128.811
2002/06/24	00:38:37	4.0000	982.355	128.800
2002/06/24	00:40:07	4.0250	984.921	128.790
2002/06/24	00:41:37	4.0500	987.399	128.777
2002/06/24	00:43:07	4.0750	989.867	128.763
2002/06/24	00:44:37	4.1000	992.353	128.754
2002/06/24	00:46:07	4.1250	994.723	128.737
2002/06/24	00:47:37	4.1500	997.075	128.725
2002/06/24	00:49:07	4.1750	999.341	128.716
2002/06/24	00:50:37	4.2000	1001.544	128.701
2002/06/24	00:52:07	4.2250	1003.692	128.692
2002/06/24	00:53:37	4.2500	1005.852	128.680
2002/06/24	00:55:07	4.2750	1007.915	128.669
2002/06/24	00:56:37	4.3000	1009.952	128.662
2002/06/24	00:58:07	4.3250	1011.924	128.649
2002/06/24	00:59:37	4.3500	1013.833	128.644
2002/06/24	01:01:07	4.3750	1015.798	128.629
2002/06/24	01:02:37	4.4000	1017.734	128.622
2002/06/24	01:04:07	4.4250	1019.528	128.613
2002/06/24	01:05:37	4.4500	1021.340	128.606
2002/06/24	01:07:07	4.4750	1023.135	128.602
2002/06/24	01:08:37	4.5000	1024.954	128.593
2002/06/24	01:10:07	4.5250	1026.683	128.588
2002/06/24	01:11:37	4.5500	1028.410	128.579
2002/06/24	01:13:07	4.5750	1030.171	128.565
Final Buildup				
2002/06/24	01:13:22	4.5792	1030.415	128.572
2002/06/24	01:14:37	4.6000	2072.776	128.485
2002/06/24	01:16:07	4.6250	2046.386	128.563
Final HYD				
2002/06/24	01:16:22	4.6292	2048.324	128.583
2002/06/24	01:17:37	4.6500	2046.933	128.703
2002/06/24	01:19:07	4.6750	2045.603	128.826
2002/06/24	01:20:37	4.7000	2044.299	128.919
2002/06/24	01:22:07	4.7250	2043.000	128.979
2002/06/24	01:23:37	4.7500	2114.027	128.998
2002/06/24	01:25:07	4.7750	1976.292	128.941
2002/06/24	01:26:37	4.8000	1944.102	128.683
2002/06/24	01:28:07	4.8250	1909.523	128.331
2002/06/24	01:29:37	4.8500	1822.922	127.938
2002/06/24	01:31:07	4.8750	1807.920	127.443
2002/06/24	01:32:37	4.9000	1754.037	126.792
2002/06/24	01:34:07	4.9250	1717.583	125.994
2002/06/24	01:35:37	4.9500	1767.020	125.112
2002/06/24	01:37:07	4.9750	1681.916	124.189

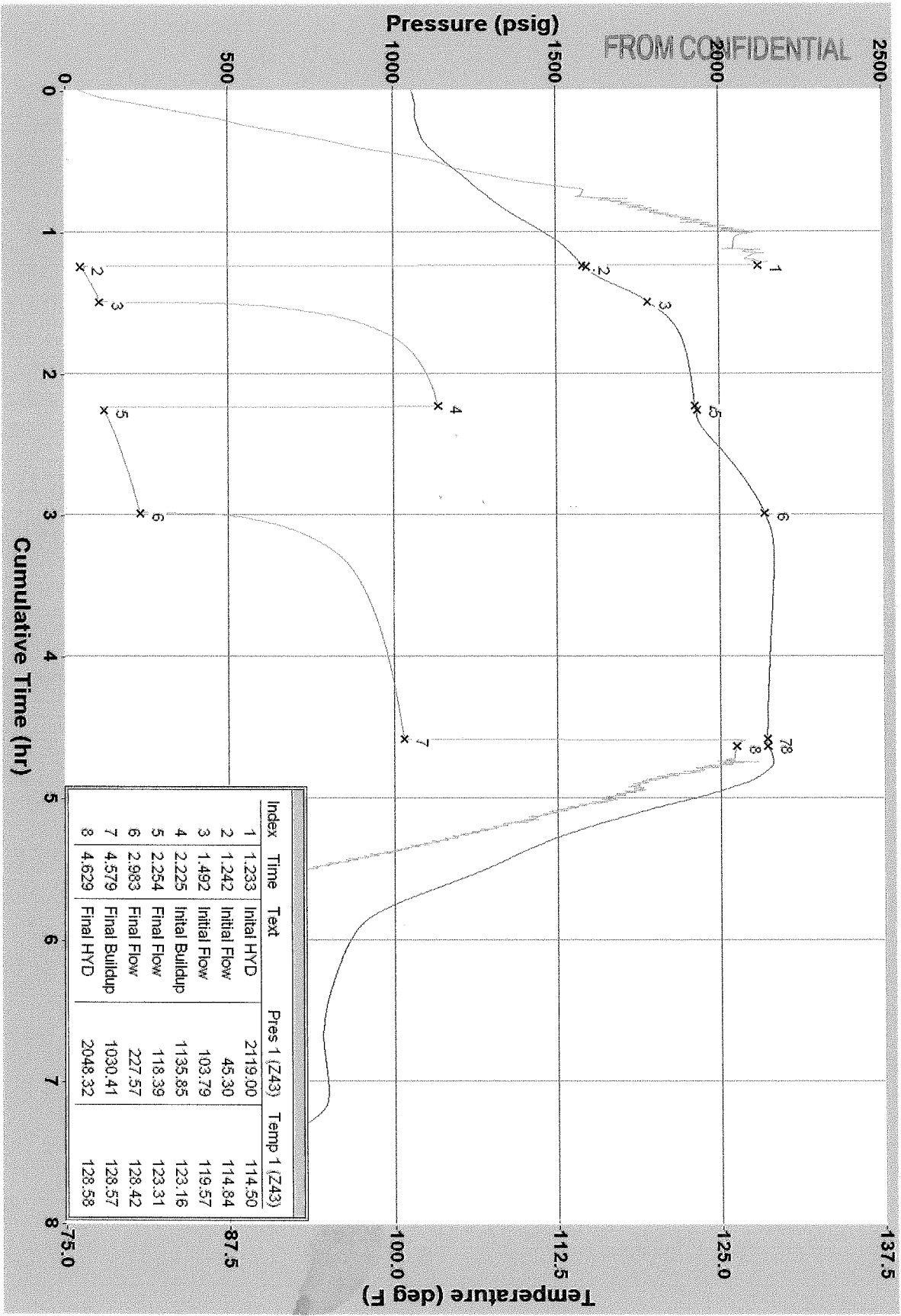
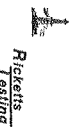
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Company Name: Mull Drilling Co. Inc.
Well Name: Crick 1-4
Type of Test: DST#2
Date(s) of Test: 6-23-2002

6-23-2002 DST#2CRICK 1-4



FROM CONFIDENTIAL

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Ricketts Testing, Inc.

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Company MULL DRILLING COMPANY, INC. Lease & Well No. CRICK #1-4
 Elevation 2331 K.B. Formation CHEROKEE SAND Ticket No. 2061
 Date 6-24-02 Sec. 4 Twp. 19S Range 24W County NESS State KS
 Test Approved by ROGER MARTIN Ricketts Representative FROM CONFIDENTIAL

Formation Test No. 3 Interval Tested from 4350 ft. to 4364 ft. Total Depth 4364 ft.
 Packer Depth 4347 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 4350 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____

KCC

JUL 25 2002

Top Recorder Depth (Inside) 4355 ft. Recorder Number 13306 Cap. 4625
 Bottom Recorder Depth (Outside) 4358 ft. Recorder Number Z43 Cap. 6000
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor DISCOVERY DRILLING RIG #2 Drill Collar Length _____ I.D. _____ in.
 Mud Type CHEMICAL Viscosity 50 Weight Pipe Length _____ I.D. _____ in.
 Weight 9.1 Water Loss 8.0 cc. Drill Pipe Length 4323 I.D. 3.25 in.
 Chlorides 4,000 P.P.M. Test Tool Length 27 ft. Tool Size. 5 1/2 in.
 Jars: Make STERLING Serial Number 404 Anchor Length 14 ft. Size 5 1/2 in.
 Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Gravity Oil _____ Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: STRONG BLOW IN 8 MINUTES INITIAL FLOW PERIOD.
STRONG BLOW IN 8 MINUTES FINAL FLOW PERIOD.

Recovered 265 ft. of FREE OIL.
 Recovered 15 ft. of SLIGHTLY OIL CUT MUD 4% OIL 96% MUD
 Recovered 280 ft. of GAS IN PIPE.
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: _____

Time Set Packer (s)	<u>2:46</u> B.M.	Time Started Off Bottom	<u>6:26</u> P.M.	Maximum Temperature	<u>123°</u>
Initial Hydrostatic Pressure	(A)	<u>2128</u>	P.S.I.		
Initial Flow Period	Minutes	<u>15</u>	(B)	<u>17</u>	P.S.I. to
			(C)	<u>43</u>	P.S.I.
Initial Closed In Period	Minutes	<u>45</u>	(D)	<u>1153</u>	P.S.I.
Final Flow Period	Minutes	<u>40</u>	(E)	<u>46</u>	P.S.I. to
			(F)	<u>112</u>	P.S.I.
Final Closed In Period	Minutes	<u>120</u>	(G)	<u>1097</u>	P.S.I.
Final Hydrostatic Pressure	(H)	<u>2062</u>	P.S.I.		

Pressure Test Report

COMPANY INFORMATION

Company Name Mull Drilling Co. Inc.
Representative Roger Martin
Phone
Fax
Address

E-Mail Address
Service Company

WELL INFORMATION

Well Name Crick 1-4
Well Location 4-19S -24 W SW-SW-NW
Field and Pool McDonald
Status (Oil, Gas, Water, Injection) oil
Perforated Intervals
Mid-point of Perforated Intervals (MPP)
Drilling Rig Number Discovery Rig #2
Elevations
 Kelly Bushing (KB) 2331 KB
 Casing Flange (CF)
 KB-CF
 Ground Level
Plug Back Total Depth
Total Depth 4364'
Production Casing
Production Tubing

TEST INFORMATION

Type of Test DST#3
Date(s) of Test 6-24-2002
Dead-weight Gauge Tubing Pressure
Dead-weight Gauge Casing Pressure
Shut-in Date (Duration)
Date / Time on Bottom 6-24-2002- 2:46 PM
Date / Time off Bottom 6-24-2002 6:26 PM

Probe Serial Number Z43
Probe Offset from End of Tool String
Run Depth at Probe Pressure Port

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure 2197.5 psig
Maximum Recorded Probe Temperature 123.9 deg F
Final Buildup Pressure
Gradient Survey Information
 Extrapolated Pressure to MPP
 Final Gradient at Depth
Job Number



Company Name Mull Drilling Co. Inc.
 Well Name Crick 1-4
 Type of Test DST#3
 Date(s) of Test 6-24-2002



PROBE INFORMATION

Probe Serial Number Z43
 Model Level II
 Pressure
 Calibrated Pressure Range 0.0 - 6000.0 psig
 Accuracy 0.05% FS
 Resolution 0.0015% FS
 Temperature
 Calibrated Temperature Range -2.7 - 303.7 deg F
 Accuracy 0.25% FS
 Resolution 0.002% FS
 Calibration File Used for Reports Z43DE26A.CAL

PROGRAMMING DETAILS

<u>Step</u>	<u>Sample Mode</u>	<u>Period</u>	<u>Duration</u>	<u>Comment</u>
0	Pause	5 seconds	25 seconds	Test mode
1	Pressure Trigger	30 seconds	indefinite	Trig @ 20 psi
2	Normal	3 minutes	45 minutes	
3	Overrun	15 seconds	end of memory	Fill remaining memory

Program Start Time Jun 24/2002 @ 13:36:07
 Program End Time Jun 24/2002 @ 21:01:52
 Total Samples Taken 1619
 Usage for this Test 0.0590 Ah
 Generic Data File Name Z43JN24A.GEN



Company Name Mull Drilling Co. Inc.
Well Name Crick 1-4
Type of Test DST#3
Date(s) of Test 6-24-2002



COMMENTS

Reported By

James Ricketts

Strong blow 8 Mins. I.F.P. no blow back, Strong blow 8 Mins. F.F.P. blow back on F.S.I. Recovery 265' free oil, 15' slightly oil cut mud 4% oil 96% mud ,280' gas in pipe



Company Name Mull Drilling Co. Inc.
 Well Name Crick 1-4
 Type of Test DST#3
 Date(s) of Test 6-24-2002



Date	Time	Cum. T. 1 (Z43)	Pres 1 (Z43)	Temp 1 (Z43)
		hr	psig	deg F
2002/06/24	13:36:07	0.0000	66.858	102.013
2002/06/24	13:39:07	0.0500	100.090	102.065
2002/06/24	13:42:07	0.1000	220.820	102.040
2002/06/24	13:45:07	0.1500	343.255	101.943
2002/06/24	13:48:07	0.2000	429.148	101.853
2002/06/24	13:51:07	0.2500	547.562	101.752
2002/06/24	13:54:07	0.3000	633.575	101.491
2002/06/24	13:57:07	0.3500	755.026	101.277
2002/06/24	14:00:07	0.4000	877.096	101.341
2002/06/24	14:03:07	0.4500	974.033	101.694
2002/06/24	14:06:07	0.5000	1094.781	102.196
2002/06/24	14:09:07	0.5500	1210.883	102.792
2002/06/24	14:12:07	0.6000	1260.019	103.453
2002/06/24	14:15:07	0.6500	1488.626	104.083
2002/06/24	14:18:07	0.7000	1637.958	104.742
2002/06/24	14:21:07	0.7500	1747.598	105.478
2002/06/24	14:22:37	0.7750	1664.765	105.816
2002/06/24	14:24:07	0.8000	1786.056	106.203
2002/06/24	14:25:37	0.8250	1804.637	106.624
2002/06/24	14:27:07	0.8500	1892.082	107.074
2002/06/24	14:28:37	0.8750	1927.563	107.560
2002/06/24	14:30:07	0.9000	2110.139	108.030
2002/06/24	14:31:37	0.9250	2102.414	108.523
2002/06/24	14:33:07	0.9500	2092.379	109.022
2002/06/24	14:34:37	0.9750	2071.273	109.548
2002/06/24	14:36:07	1.0000	2065.363	110.035
2002/06/24	14:37:37	1.0250	2063.930	110.458
2002/06/24	14:39:07	1.0500	2095.323	110.835
2002/06/24	14:40:37	1.0750	2096.928	111.202
2002/06/24	14:42:07	1.1000	2078.839	111.562
2002/06/24	14:43:37	1.1250	2078.696	111.898
2002/06/24	14:45:07	1.1500	2077.328	112.199
2002/06/24	14:46:37	1.1750	2130.813	112.456
Initial HYD				
2002/06/24	14:47:07	1.1833	2128.122	112.545
Initial Flow				
2002/06/24	14:47:22	1.1875	17.965	112.858
2002/06/24	14:48:07	1.2000	17.901	112.993
2002/06/24	14:49:37	1.2250	17.733	113.130
2002/06/24	14:51:07	1.2500	20.890	113.245
2002/06/24	14:52:37	1.2750	24.069	113.373
2002/06/24	14:54:07	1.3000	27.162	113.513
2002/06/24	14:55:37	1.3250	30.463	113.664
2002/06/24	14:57:07	1.3500	33.434	113.826
2002/06/24	14:58:37	1.3750	36.286	113.994
2002/06/24	15:00:07	1.4000	39.201	114.156
2002/06/24	15:01:37	1.4250	42.012	114.328
Initial Flow				
2002/06/24	15:02:07	1.4333	42.997	114.384
2002/06/24	15:03:07	1.4500	760.277	114.336



Company Name Mull Drilling Co. Inc.
 Well Name Crick 1-4
 Type of Test DST#3
 Date(s) of Test 6-24-2002



Date	Time	Cum. T. 1 (Z43)	Pres 1 (Z43)	Temp 1 (Z43)
		hr	psig	deg F
2002/06/24	15:04:37	1.4750	918.785	114.516
2002/06/24	15:06:07	1.5000	963.654	114.719
2002/06/24	15:07:37	1.5250	994.967	114.913
2002/06/24	15:09:07	1.5500	1018.925	115.093
2002/06/24	15:10:37	1.5750	1038.093	115.273
2002/06/24	15:12:07	1.6000	1053.865	115.439
2002/06/24	15:13:37	1.6250	1066.912	115.594
2002/06/24	15:15:07	1.6500	1078.120	115.743
2002/06/24	15:16:37	1.6750	1087.527	115.882
2002/06/24	15:18:07	1.7000	1095.674	116.015
2002/06/24	15:19:37	1.7250	1102.905	116.148
2002/06/24	15:21:07	1.7500	1108.813	116.274
2002/06/24	15:22:37	1.7750	1114.047	116.395
2002/06/24	15:24:07	1.8000	1118.869	116.512
2002/06/24	15:25:37	1.8250	1123.074	116.623
2002/06/24	15:27:07	1.8500	1126.876	116.726
2002/06/24	15:28:37	1.8750	1130.034	116.832
2002/06/24	15:30:07	1.9000	1133.189	116.937
2002/06/24	15:31:37	1.9250	1135.915	117.041
2002/06/24	15:33:07	1.9500	1138.396	117.142
2002/06/24	15:34:37	1.9750	1140.580	117.237
2002/06/24	15:36:07	2.0000	1142.531	117.325
2002/06/24	15:37:37	2.0250	1144.511	117.419
2002/06/24	15:39:07	2.0500	1146.239	117.513
2002/06/24	15:40:37	2.0750	1147.824	117.599
2002/06/24	15:42:07	2.1000	1149.303	117.684
2002/06/24	15:43:37	2.1250	1150.740	117.770
2002/06/24	15:45:07	2.1500	1152.057	117.851
2002/06/24	15:46:37	2.1750	1153.303	117.939
Initial Buildup				
2002/06/24	15:46:52	2.1792	1153.495	117.950
Initial Flow				
2002/06/24	15:48:07	2.2000	46.508	118.197
2002/06/24	15:49:37	2.2250	49.450	118.234
2002/06/24	15:51:07	2.2500	52.554	118.260
2002/06/24	15:52:37	2.2750	56.040	118.303
2002/06/24	15:54:07	2.3000	58.968	118.350
2002/06/24	15:55:37	2.3250	61.804	118.404
2002/06/24	15:57:07	2.3500	64.799	118.467
2002/06/24	15:58:37	2.3750	67.805	118.533
2002/06/24	16:00:07	2.4000	70.443	118.600
2002/06/24	16:01:37	2.4250	72.987	118.675
2002/06/24	16:03:07	2.4500	75.647	118.753
2002/06/24	16:04:37	2.4750	78.182	118.823
2002/06/24	16:06:07	2.5000	80.546	118.899
2002/06/24	16:07:37	2.5250	82.963	118.980
2002/06/24	16:09:07	2.5500	85.343	119.059
2002/06/24	16:10:37	2.5750	87.841	119.134
2002/06/24	16:12:07	2.6000	90.065	119.203
2002/06/24	16:13:37	2.6250	92.385	119.275



Company Name Mull Drilling Co. Inc.
Well Name Crick 1-4
Type of Test DST#3
Date(s) of Test 6-24-2002



Date	Time	Cum. T. 1 (Z43)	Pres 1 (Z43)	Temp 1 (Z43)
		hr	psig	deg F
2002/06/24	16:15:07	2.6500	94.671	119.347
2002/06/24	16:16:37	2.6750	96.903	119.419
2002/06/24	16:18:07	2.7000	99.158	119.489
2002/06/24	16:19:37	2.7250	101.402	119.559
2002/06/24	16:21:07	2.7500	103.602	119.622
2002/06/24	16:22:37	2.7750	105.766	119.694
2002/06/24	16:24:07	2.8000	107.916	119.764
2002/06/24	16:25:37	2.8250	110.015	119.831
2002/06/24	16:27:07	2.8500	112.139	119.898
Initial Flow				
2002/06/24	16:27:37	2.8583	112.556	119.923
2002/06/24	16:28:37	2.8750	573.610	119.871
2002/06/24	16:30:07	2.9000	777.382	119.935
2002/06/24	16:31:37	2.9250	820.094	120.025
2002/06/24	16:33:07	2.9500	850.202	120.121
2002/06/24	16:34:37	2.9750	874.197	120.196
2002/06/24	16:36:07	3.0000	893.901	120.270
2002/06/24	16:37:37	3.0250	910.462	120.348
2002/06/24	16:39:07	3.0500	924.607	120.412
2002/06/24	16:40:37	3.0750	936.835	120.477
2002/06/24	16:42:07	3.1000	947.543	120.551
2002/06/24	16:43:37	3.1250	956.904	120.609
2002/06/24	16:45:07	3.1500	965.271	120.666
2002/06/24	16:46:37	3.1750	972.585	120.726
2002/06/24	16:48:07	3.2000	979.241	120.787
2002/06/24	16:49:37	3.2250	985.326	120.841
2002/06/24	16:51:07	3.2500	990.877	120.888
2002/06/24	16:52:37	3.2750	995.848	120.942
2002/06/24	16:54:07	3.3000	1000.400	120.992
2002/06/24	16:55:37	3.3250	1004.578	121.042
2002/06/24	16:57:07	3.3500	1008.441	121.093
2002/06/24	16:58:37	3.3750	1012.073	121.141
2002/06/24	17:00:07	3.4000	1015.471	121.194
2002/06/24	17:01:37	3.4250	1018.636	121.235
2002/06/24	17:03:07	3.4500	1021.619	121.289
2002/06/24	17:04:37	3.4750	1024.489	121.332
2002/06/24	17:06:07	3.5000	1027.166	121.384
2002/06/24	17:07:37	3.5250	1029.720	121.433
2002/06/24	17:09:07	3.5500	1032.071	121.482
2002/06/24	17:10:37	3.5750	1034.418	121.528
2002/06/24	17:12:07	3.6000	1036.648	121.573
2002/06/24	17:13:37	3.6250	1038.767	121.615
2002/06/24	17:15:07	3.6500	1040.811	121.660
2002/06/24	17:16:37	3.6750	1042.677	121.705
2002/06/24	17:18:07	3.7000	1044.594	121.750
2002/06/24	17:19:37	3.7250	1046.399	121.789
2002/06/24	17:21:07	3.7500	1048.159	121.834
2002/06/24	17:22:37	3.7750	1049.878	121.876
2002/06/24	17:24:07	3.8000	1051.574	121.921
2002/06/24	17:25:37	3.8250	1053.163	121.964



Company Name Mull Drilling Co. Inc.
 Well Name Crick 1-4
 Type of Test DST#3
 Date(s) of Test 6-24-2002



Date	Time	Cum. T. 1 (Z43)	Pres 1 (Z43)	Temp 1 (Z43)
		hr	psig	deg F
2002/06/24	17:27:07	3.8500	1054.758	122.002
2002/06/24	17:28:37	3.8750	1056.283	122.043
2002/06/24	17:30:07	3.9000	1057.837	122.083
2002/06/24	17:31:37	3.9250	1059.315	122.121
2002/06/24	17:33:07	3.9500	1060.707	122.162
2002/06/24	17:34:37	3.9750	1062.132	122.207
2002/06/24	17:36:07	4.0000	1063.456	122.247
2002/06/24	17:37:37	4.0250	1064.829	122.286
2002/06/24	17:39:07	4.0500	1066.140	122.326
2002/06/24	17:40:37	4.0750	1067.439	122.367
2002/06/24	17:42:07	4.1000	1068.710	122.407
2002/06/24	17:43:37	4.1250	1069.962	122.443
2002/06/24	17:45:07	4.1500	1071.221	122.481
2002/06/24	17:46:37	4.1750	1072.334	122.524
2002/06/24	17:48:07	4.2000	1073.498	122.560
2002/06/24	17:49:37	4.2250	1074.644	122.598
2002/06/24	17:51:07	4.2500	1075.756	122.630
2002/06/24	17:52:37	4.2750	1076.872	122.670
2002/06/24	17:54:07	4.3000	1077.699	122.702
2002/06/24	17:55:37	4.3250	1078.977	122.740
2002/06/24	17:57:07	4.3500	1080.059	122.778
2002/06/24	17:58:37	4.3750	1081.068	122.814
2002/06/24	18:00:07	4.4000	1082.094	122.848
2002/06/24	18:01:37	4.4250	1083.090	122.884
2002/06/24	18:03:07	4.4500	1084.110	122.914
2002/06/24	18:04:37	4.4750	1085.048	122.956
2002/06/24	18:06:07	4.5000	1085.975	122.986
2002/06/24	18:07:37	4.5250	1086.987	123.022
2002/06/24	18:09:07	4.5500	1087.826	123.055
2002/06/24	18:10:37	4.5750	1088.760	123.085
2002/06/24	18:12:07	4.6000	1089.641	123.123
2002/06/24	18:13:37	4.6250	1090.462	123.161
2002/06/24	18:15:07	4.6500	1091.339	123.195
2002/06/24	18:16:37	4.6750	1092.216	123.229
2002/06/24	18:18:07	4.7000	1093.046	123.265
2002/06/24	18:19:37	4.7250	1093.849	123.298
2002/06/24	18:21:07	4.7500	1094.641	123.327
2002/06/24	18:22:37	4.7750	1095.489	123.357
2002/06/24	18:24:07	4.8000	1096.284	123.393
2002/06/24	18:25:37	4.8250	1097.074	123.426
Final Buildup				
2002/06/24	18:27:07	4.8500	1097.825	123.458
2002/06/24	18:28:37	4.8750	2075.258	123.429
Final HYD				
2002/06/24	18:29:07	4.8833	2062.322	123.456
2002/06/24	18:30:07	4.9000	2046.671	123.514
2002/06/24	18:31:37	4.9250	2047.857	123.591
2002/06/24	18:33:07	4.9500	2051.386	123.660
2002/06/24	18:34:37	4.9750	2037.727	123.726
2002/06/24	18:36:07	5.0000	2023.308	123.787

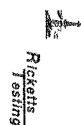
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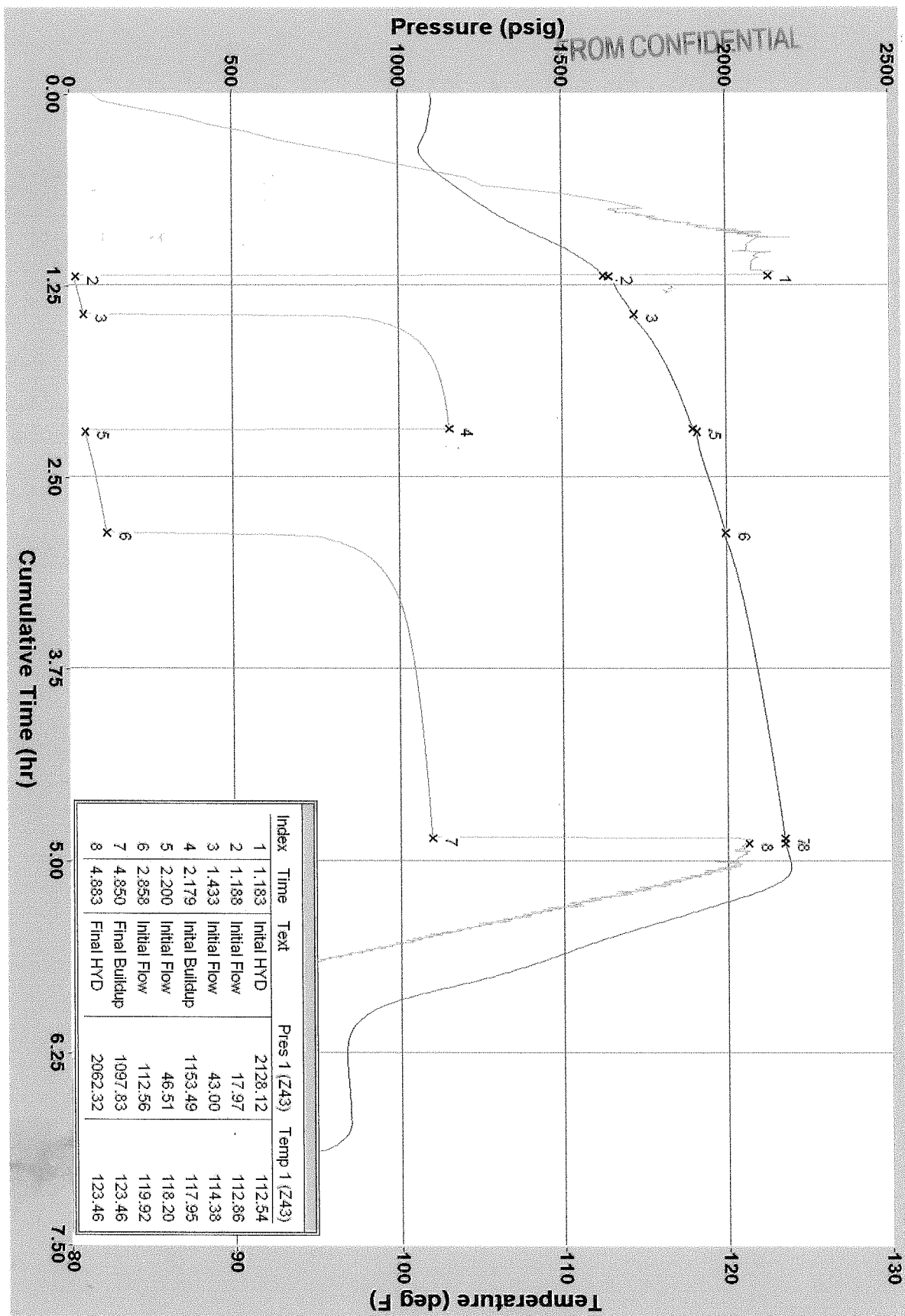


Company Name
Well Name
Type of Test
Date(s) of Test

Mull Drilling Co. Inc.
Crick 1-4
DST#3
6-24-2002



6-24-2002 DST#3 Crick 1-4



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