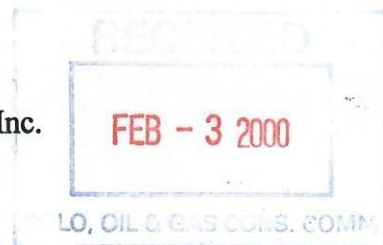




Well Name: Durr 1-32
Company: Mull Drilling Co., Inc.
Location: 32-16-47w
Cheyenne co CO
Date: 12-22-99



TRILOBITE TESTING L.L.C. MANDATE JOOT ***

OPERATOR : Mull Drilling Co, Inc.

DATE 12-16-99

WELL NAME: Durr #1-32

KB 4156.00 ft

TICKET NO: 12653 DST #1

LOCATION : 32-16s-47w

GR 4148.00 ft

FORMATION: Marmaton

INTERVAL : 4234.00 To 4290.00 ft

TD 4290.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11085	11085	3027			PF Fr. 0243 to 0313 hr
SI 30 Range(Psi)	4300.0	4300.0	4995.0	0.0	0.0	IS Fr. 0313 to 0343 hr
SF 30 Clock(hrs)	12hr	12hr	elec			SF Fr. 0342 to 0413 hr
FS 30 Depth(ft)	4257.0	4257.0	4237.0	0.0	0.0	FS Fr. 0413 to 0443 hr

	Field	1	2	3	4	
A. Init Hydro	2025.0	2019.0	1962.0	0.0	0.0	T STARTED 2246 hr
B. First Flow	121.0	148.0	36.0	0.0	0.0	T ON BOTM 0240 hr
B1. Final Flow	99.0	114.0	45.0	0.0	0.0	T OPEN 0243 hr
C. In Shut-in	865.0	863.0	902.0	0.0	0.0	T PULLED 0443 hr
D. Init Flow	99.0	117.0	50.0	0.0	0.0	T OUT 0900 hr
E. Final Flow	99.0	118.0	52.0	0.0	0.0	
F. Fl Shut-in	756.0	763.0	809.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2025.0	2016.0	1965.0	0.0	0.0	Tool Wt. 2500.00 lbs
Inside/Outside	o	o	i			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 62000.00 lbs
						Initial Str Wt 58000.00 lbs
						Unseated Str Wt 58000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 575.00 ft
						D.P. Length 3653.00 ft

RECOVERY

Tot Fluid 15.00 ft of 15.00 ft in DC and 0.00 ft in DP

15.00 ft of mud

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:

Very weak blow. Blow died in 20 minutes.

Final Flow:

No blow. Flushed tool. Got a very weak blow after flush. Blow died in 15 minutes.

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.10 lb/cf
Vis.	65.00 S/L
W.L.	8.00 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	123.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Ray Schwager
Co. Rep.	Roger Martin
Contr.	Norseman Drlg.
Rig #	2
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Durr #1-32

LOCATION : 32-16s-47w

TICKET No. 12653 D.S.T. No. 1 DATE 12-16-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 28

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 25

TOTAL TOOL 53

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 31

TOTAL ASSEMBLY 84

D.C. ABOVE TOOLS.Stands9 Single 1 Total 575

D.P. ABOVE TOOLS.Stands58 Single 1 Total 3653

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4312

TOTAL DEPTH 4290

TOTAL DRILL PIPE ABOVE K.B. 22

REMARKS:

P.O. SUB 4085

C.O. SUB 4205

S.I. TOOL 4210

HMV 4215

JARS 4220

SAFETY JOINT 4225

PACKER 4229

PACKER 4234

DEPTH 4235

ANCHOR 5'perf 4240

5' " 4245

31'pipe 4276

Alpine@4237

AK-1 @4257

5'perf 4281

5' " 4286

1' " 4287

BULLNOSE 3'bullplug 4290

T.D. 4290

TEST HISTORY

12653 DST#1 Durr # 1-32 Mull Drilling Co., Inc.

Flag Points

t (Min.) P (PSig)

A:	0.00	1962.11
B:	0.00	36.55
C:	30.00	45.25
D:	33.00	902.17
E:	0.00	50.47
F:	30.00	52.78
G:	32.50	809.81
Q:	0.00	1965.46

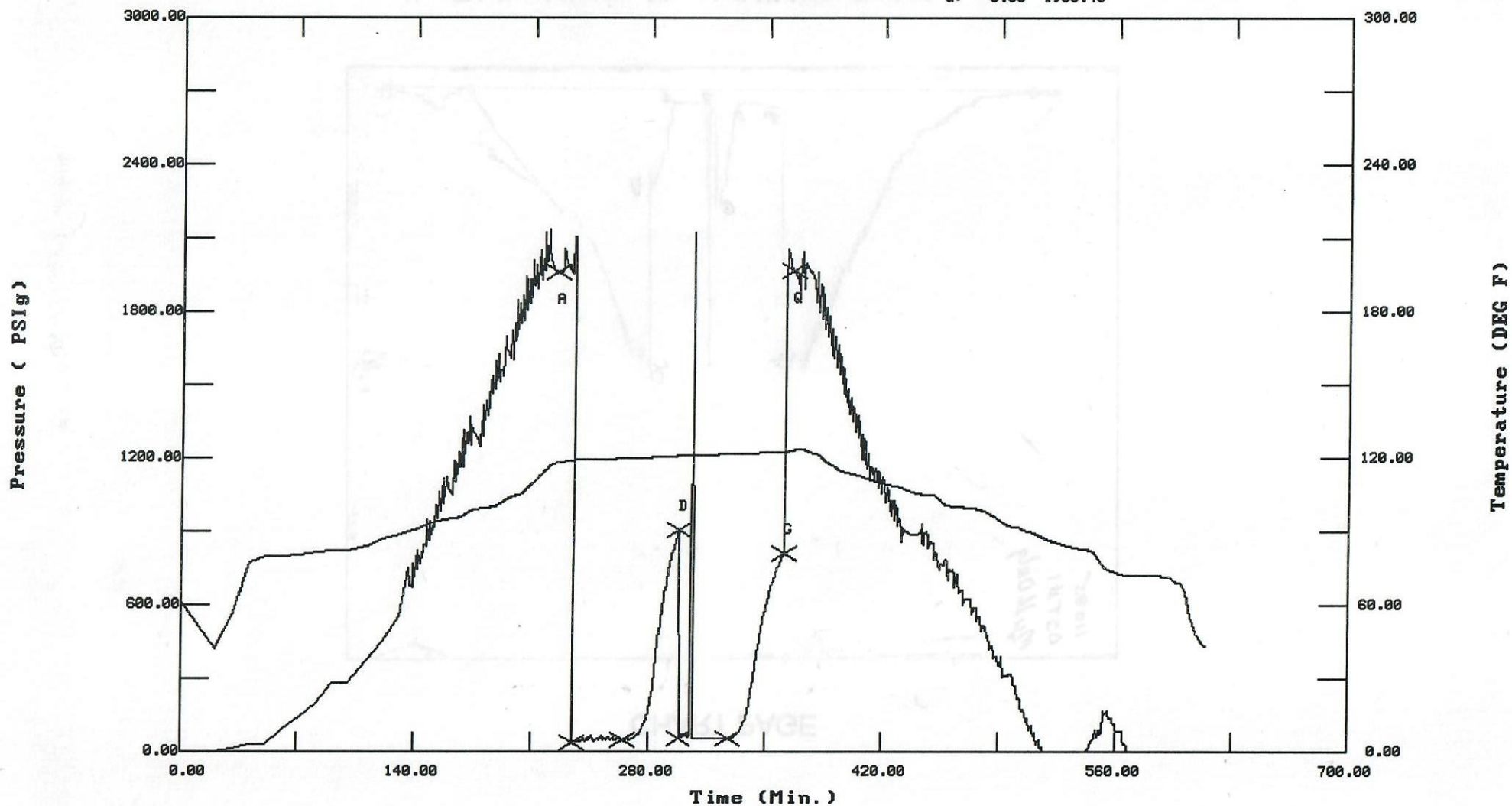
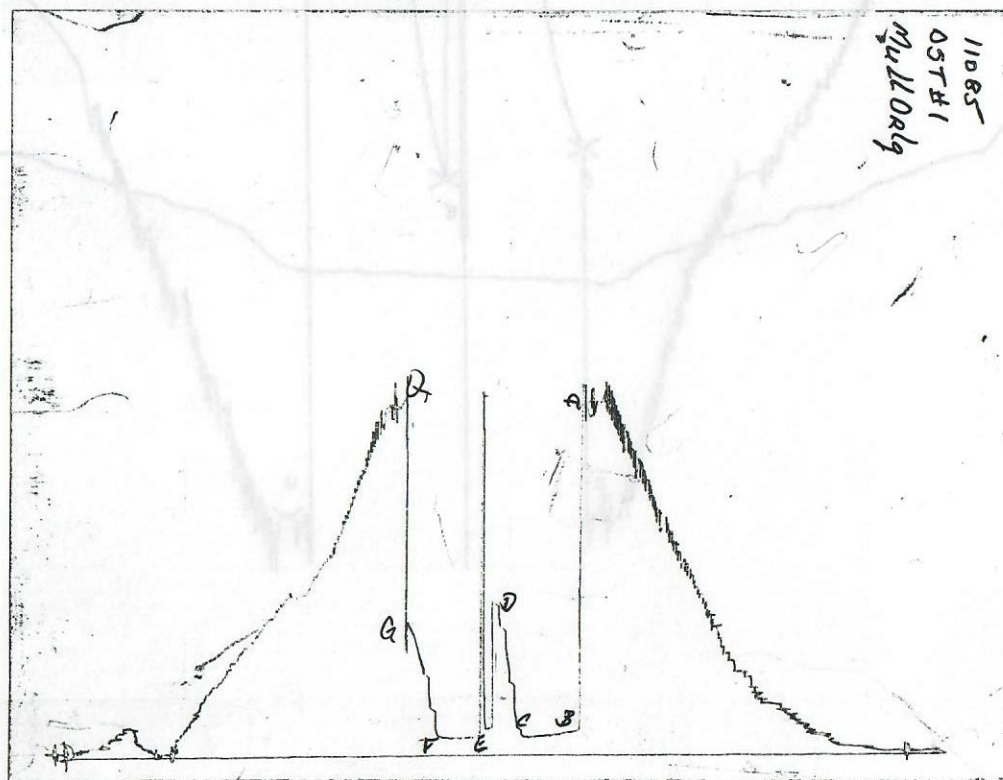


CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

01	00'00"	1000'40"
01	00'20"	1000'41"
01	00'40"	1000'42"
01	01'00"	1000'43"
01	01'20"	1000'44"
01	01'40"	1000'45"
01	02'00"	1000'46"
01	02'20"	1000'47"
01	02'40"	1000'48"
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01	03'20"	1000'50"
01	03'40"	1000'51"
01	04'00"	1000'52"
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01	113'40"	1006'21"
01	114'00"	1006'22"
01	114'20"	1006'23"
01	114'40"	1006'24"

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Nº 12653

Well Name & No.	<u>OUR #1-32</u>	Test No.	<u>1</u>	Date	<u>12-16-99</u>
Company	<u>Mull Drilling Co., Inc</u>	Zone Tested	<u>MARMATON</u>		
Address	<u>P.O. Box 2758 WICHITA, KS 67201</u>	Elevation	<u>4156</u>	KB	<u>4148</u> GL
Co. Rep / Geo.	<u>ROGER MARTIN</u>	Cont.	<u>NORSEMAN Drilling 2</u>	Est. Ft. of Pay	<u>-</u> Por. <u>-</u> %
Location: Sec.	<u>32</u>	Twp.	<u>16^S</u>	Rge.	<u>47^W</u> Co. <u>Cheyenne</u> State <u>Co.</u>
No. of Copies	<u>Ray</u>	Distribution Sheet (Y, N)	<u>N</u>	Turnkey (Y, N)	<u>N</u> Evaluation (Y, N) <u>N</u>

Interval Tested	<u>4234-4290</u>	Initial Str Wt./Lbs.	<u>58000</u>	Unseated Str Wt./Lbs.	<u>58000</u>
Anchor Length	<u>56</u>	Wt. Set Lbs.	<u>20000</u>	Wt. Pulled Loose/Lbs.	<u>62000</u>
Top Packer Depth	<u>4229</u>	Tool Weight	<u>2500</u>		
Bottom Packer Depth	<u>4234</u>	Hole Size — 7 7/8"	<u>yes</u>	Rubber Size — 6 3/4"	<u>yes</u>
Total Depth	<u>4290</u>	Wt. Pipe Run	<u>-</u>	Drill Collar Run	<u>575</u>
Mud Wt.	<u>9.1</u> LCM <u>4#</u> Vis. <u>85</u> WL <u>8</u>	Drill Pipe Size	<u>4 1/2 XH</u>	Ft. Run	<u>3653</u>
Blow Description	<u>IFP- VERY WEAK Blow died in 20 min</u> <u>FFP- NO Blow, Flushed Tool, got a very weak Blow after flush,</u> <u>Blow died ~15 min</u>				

Recovery — Total Feet	<u>15</u>	GIP	<u>-</u>	Ft. in DC	<u>15</u>	Ft. in DP	<u>-</u>
Rec.	<u>15</u>	Feet Of	<u>Mud</u>	%gas	%oil	%water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud
BHT	<u>123</u>	°F Gravity	<u>-</u>	°API D@	<u>-</u>	°F Corrected Gravity	<u>-</u> °API
RW	<u>-</u>	@	<u>-</u>	°F Chlorides	<u>-</u>	ppm Recovery	Chlorides <u>300</u> ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2025</u>	<u>1962</u>		<u>3027</u>	<u>1230</u>
(B) First Initial Flow Pressure	<u>121</u>	<u>36</u>	PSI (depth)	<u>4237</u>	T-Started <u>2246</u>
(C) First Final Flow Pressure	<u>99</u>	<u>45</u>	PSI Recorder No.	<u>11085</u>	T-Open <u>0243</u>
(D) Initial Shut-In Pressure	<u>865</u>	<u>902</u>	PSI (depth)	<u>4257</u>	T-Pulled <u>0443</u>
(E) Second Initial Flow Pressure	<u>99</u>	<u>50</u>	PSI Recorder No.	<u>-</u>	T-Out <u>0900</u>
(F) Second Final Flow Pressure	<u>99</u>	<u>52</u>	PSI (depth)	<u>-</u>	T-Off Location <u>1000</u>
(G) Final Shut-in Pressure	<u>756</u>	<u>809</u>	PSI Initial Opening	<u>30</u>	Test <input checked="" type="checkbox"/>
(Q) Final Hydrostatic Mud	<u>2025</u>	<u>1965</u>	PSI Initial Shut-in	<u>30</u>	Jars <input checked="" type="checkbox"/>
			Final Flow	<u>30</u>	Safety Joint <input checked="" type="checkbox"/>
			Final Shut-in	<u>30</u>	Straddle <u>-</u>
					Circ. Sub <u>-</u>
					Sampler <u>-</u>
					Extra Packer <u>-</u>
					Elec. Rec. <input checked="" type="checkbox"/>
					Mileage <u>120 miles</u>
					Other <u>-</u>
					TOTAL PRICE \$ <u>✓</u>

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Approved By Roger L. Martin

Our Representative Ray Schwager Thankyou

TRILOBITE TESTING L.L.C.

OPERATOR : Mull Drilling Company

DATE 12-18-99

WELL NAME: Durr #1-32

KB 4156.00 ft

TICKET NO: 12020

DST #2

LOCATION : 32-16s-47w Cheyenne co CO

GR 4148.00 ft

FORMATION: Marmaton

INTERVAL : 4269.00 To 4340.00 ft

TD 4340.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11058	11058				PF Fr. 0740 to 0810 hr
SI 45 Range (Psi)	4475.0	4475.0	0.0	0.0	0.0	IS Fr. 0810 to 0855 hr
SF 30 Clock (hrs)	12hr	12hr				SF Fr. 0855 to 0925 hr
FS 45 Depth (ft)	4337.0	4337.0	0.0	0.0	0.0	FS Fr. 0925 to 1010 hr

	Field	1	2	3	4	
A. Init Hydro	2031.0	2049.0	0.0	0.0	0.0	T STARTED 0300 hr
B. First Flow	55.0	57.0	0.0	0.0	0.0	T ON BOTM 0735 hr
B1. Final Flow	55.0	57.0	0.0	0.0	0.0	T OPEN 0740 hr
C. In Shut-in	1120.0	1121.0	0.0	0.0	0.0	T PULLED 1010 hr
D. Init Flow	66.0	84.0	0.0	0.0	0.0	T OUT 1340 hr
E. Final Flow	66.0	73.0	0.0	0.0	0.0	
F. Fl Shut-in	1008.0	995.0	0.0	0.0	0.0	
G. Final Hydro	2020.0	1997.0	0.0	0.0	0.0	
Inside/Outside	o	o				

RECOVERY

Tot Fluid 15.00 ft of 15.00 ft in DC and 0.00 ft in DP
 15.00 ft of Drilling Mud
 0.00 ft of 100% mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Weak 1/2" blow. Blew throughout.

Initial Shut-In:
 No return.

Final Flow:
 Weak Surface blow. Died in 18 minutes

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	8.90 lb/c
Vis.	54.00 S/L
W.L.	6.40 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	1240.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Shane McBride
Co. Rep.	Roger Martin
Contr.	Norseman
Rig #	
Unit #	
Pump T.	

Test Successful: Y

11058 #2

X

The image shows a hand-drawn waveform on a grid background. The waveform starts with a small initial peak, followed by a large, sharp peak. After a short flat segment, it shows a smaller, rounded peak. This is followed by a very sharp, narrow peak, and then a long, gradual decay back to the baseline. The baseline has several small, irregular marks along it.

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

N^o 12020

Test Ticket

Well Name & No.	<u>Durr #1-32</u>	Test No.	<u>2</u>	Date	<u>12-18-99</u>
Company	<u>Muhh Drilling Co.</u>	Zone Tested	<u>marmaton</u>		
Address	<u>P.O. Box 2758, Wichita, KS 67201</u>	Elevation	<u>4156'</u>	KB	<u>4148'</u>
Co. Rep / Geo.	<u>Roger Martin</u>	Cont.	<u>Norseman</u>	Est. Ft. of Pay	<u> </u> Por. <u> </u> %
Location: Sec.	<u>32</u>	Twp.	<u>16.5</u>	Rge.	<u>47w</u>
		Co.	<u>Cherokee</u>	State	<u>Colo</u>
No. of Copies	<u> </u>	Distribution Sheet (Y, N)	<u>Y</u>	Turnkey (Y, N)	<u>N</u>
		Evaluation (Y, N)	<u> </u>		

Interval Tested	<u>4269'</u>	<u>4340'</u>	Initial Str Wt./Lbs.	<u>52,000?</u>	Unseated Str Wt./Lbs.	<u>52,000</u>
Anchor Length	<u>71'</u>		Wt. Set Lbs.	<u>26,000</u>	Wt. Pulled Loose/Lbs.	<u>70,000</u>
Top Packer Depth	<u>4264'</u>		Tool Weight	<u>6,000</u>		
Bottom Packer Depth	<u>4269'</u>		Hole Size — 7 7/8"	<u>✓</u>	Rubber Size — 6 3/4"	<u>✓</u>
Total Depth	<u>4340'</u>		Wt. Pipe Run	<u> </u>	Drill Collar Run	<u>576'</u>
Mud Wt.	<u>8.9</u>	LCM <u>#3</u>	Vis. <u>5.4</u>	WL <u>6.4</u>	Drill Pipe Size	<u>4 1/2 X H</u>
Blow Description	<u>Weak 1/2" blow, blew throughout</u>					
	<u>No return.</u>					
	<u>Weak surface blow, died in 18 min.</u>					
	<u>No return</u>					

Recovery — Total Feet	<u>15'</u>	GIP	<u> </u>	Ft. in DC	<u>15'</u>	Ft. in DP	<u> </u>
Rec.	<u>15'</u>	Feet Of	<u>Drill Mud</u>	%gas	%oil	%water	<u>100%</u> mud
Rec.	<u> </u>	Feet Of	<u> </u>	%gas	%oil	%water	%mud
Rec.	<u> </u>	Feet Of	<u> </u>	%gas	%oil	%water	%mud
Rec.	<u> </u>	Feet Of	<u> </u>	%gas	%oil	%water	%mud
Rec.	<u> </u>	Feet Of	<u> </u>	%gas	%oil	%water	%mud
BHT	<u>124°</u>	°F Gravity	<u> </u>	*API D@	<u> </u>	°F Corrected Gravity	<u> </u> *API
RW	<u> </u>	@	<u> </u>	°F Chlorides	<u> </u>	ppm Recovery	Chlorides <u>300</u> ppm System

(A) Initial Hydrostatic Mud	<u>2031</u>	AK-1	Alpine	PSI Recorder No.	<u>2023</u>	T-On Location	<u>Central Time.</u> <u>01:45 Am.</u>
(B) First Initial Flow Pressure	<u>55</u>			PSI (depth)	<u>4270'</u>	T-Started	<u>03:00 Am</u>
(C) First Final Flow Pressure	<u>55</u>			PSI Recorder No.	<u>11058</u>	T-Open	<u>07:40 Am.</u>
(D) Initial Shut-In Pressure	<u>1120</u>			PSI (depth)	<u>4337'</u>	T-Pulled	<u>10:10 Am.</u>
(E) Second Initial Flow Pressure	<u>66</u>			PSI Recorder No.	<u> </u>	T-Out	<u>13:40 P.m.</u>
(F) Second Final Flow Pressure	<u>66</u>			PSI (depth)	<u> </u>	T-Off Location	<u>15:00 p.m.</u>
(G) Final Shut-in Pressure	<u>1008</u>			PSI Initial Opening	<u>30</u>	Test	<u>X</u>
(Q) Final Hydrostatic Mud	<u>2020</u>			PSI Initial Shut-in	<u>45</u>	Jars	<u>X</u>
				Final Flow	<u>30</u>	Safety Joint	<u>X</u>
				Final Shut-in	<u>45</u>	Straddle	<u> </u>

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Approved By Roger L. Martin

Our Representative Steve M. Buda

Circ. Sub X N/C
Sampler
Extra Packer
Elec. Rec.
Mileage 120 miles on way
Other
TOTAL PRICE \$

TRILOBITE TESTING L.L.C.

OPERATOR : Mull Drilling Company, In DATE 12-20-99
WELL NAME: Durr #1-32 KB 4156.00 ft TICKET NO: 11608 DST #3
LOCATION : 32-16s-47w Cheyenne co CO GR 4148.00 ft FORMATION: Miss-Spergen
INTERVAL : 5075.00 To 5135.00 ft TD 5135.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339				PF Fr. 0540 to 0610 hr
SI 45 Range(Psi)	4000.0	4000.0	0.0	0.0	0.0	IS Fr. 0610 to 0655 hr
SF 60 Clock(hrs)	12hr	12hr				SF Fr. 0655 to 0755 hr
FS 60 Depth(ft)	5130.0	5130.0	0.0	0.0	0.0	FS Fr. 0755 to 0855 hr

	Field	1	2	3	4	
A. Init Hydro	2523.0	2517.0	0.0	0.0	0.0	T STARTED 0115 hr
B. First Flow	104.0	138.0	0.0	0.0	0.0	T ON BOTM 0535 hr
B1. Final Flow	104.0	122.0	0.0	0.0	0.0	T OPEN 0540 hr
C. In Shut-in	969.0	954.0	0.0	0.0	0.0	T PULLED 0855 hr
D. Init Flow	145.0	161.0	0.0	0.0	0.0	T OUT 1300 hr
E. Final Flow	145.0	150.0	0.0	0.0	0.0	
F. Fl Shut-in	899.0	902.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2473.0	2542.0	0.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	o	o				Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 65000.00 lbs
						Initial Str Wt 60000.00 lbs
						Unseated Str Wt 60000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 575.00 ft
						D.P. Length 4496.00 ft

RECOVERY

Tot Fluid 250.00 ft of 0.00 ft in DC and 0.00 ft in DP
110.00 ft of Mud
0.00 ft of 100% mud
140.00 ft of Gassy slightly oil cut mud
0.00 ft of 30% gas 5% oil 65% mud
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
Weak surface blow built to 1".

Final Flow:
No blow. Flushed tool. Surge.
Then weak steady surface blow throughout.

SAMPLES:
SENT TO:

MUD DATA-----
Mud Type Chemical
Weight 9.20 lb/c
Vis. 68.00 S/L
W.L. 6.40 in3
F.C. 0.00 in
Mud Drop
Amt. of fill 0.00 ft
Btm. H. Temp. 129.00 F
Hole Condition
% Porosity 0.00
Packer Size 6.75 in
No. of Packers 2
Cushion Amt. 0.00
Cushion Type
Reversed Out
Tool Chased
Tester Rod Steinbrink
Co. Rep. Roger L. Martin
Contr. Norseman
Rig # 2
Unit #
Pump T.

Test Successful: Y

Operator.....: Mull Drilling Company Inc.
Well Name.....: Durr 1-32
DST Number.....: 3

Location.: 32-16s-47w Cheyenne CO Recorder No....: 13339
Test Type: Conventional Recorder Depth: 5130
Formation: Mississippi-Spergen Test Interval.: 5075-5135

RESERVOIR CALCULATIONS: Fluid calculations based on shut-in #2

RESERVOIR PARAMETERS USED:

Net Pay.....	3.00 ft
Porosity.....	14.00 %
Bottom Hole Temp.....	129.00 F
Specific Gravity.....	0.026
API Gravity.....	41.00
Compressibility.....	0.000007 /psi
Viscosity.....	3.3093 cp
Total Recovery.....	250.00 ft
Total Flowing Time.....	90.00 min.
Flow Rate.....	0.55 bbls/d
Final Flowing Pressure.....	150.00 psi
Horner Slope.....	450.2850 psi/cycle
Extrapolated Pressure.....	1075.52 psi
Formation Volume Factor.....	1.06 Reservoir/Surface
Well Bore Radius.....	3.94 in

RESULTS:

Effective Permeability.....	0.231935 md
Flow Capacity.....	0.6958 md.ft
Transmissibility.....	0.2103 md.ft/cp
Skin Factor.....	-0.3711
Radius of Investigation.....	9.36546 ft
Damage Ratio.....	0.8644
Productivity Index.....	0.0006 bbls/psi.d
Productivity Index W/O Damage..	0.0005 bbls/psi.d

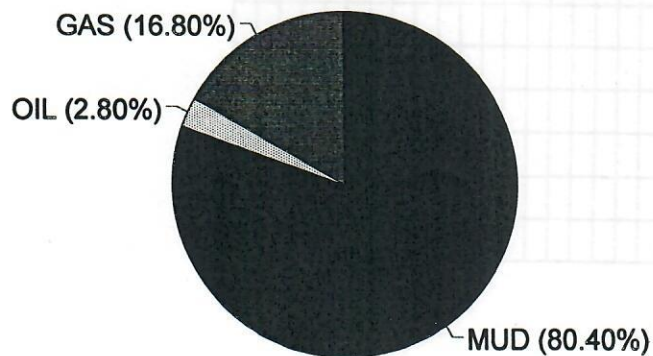
CALCULATED RECOVERY ANALYSIS

DST 3

TICKET 11608

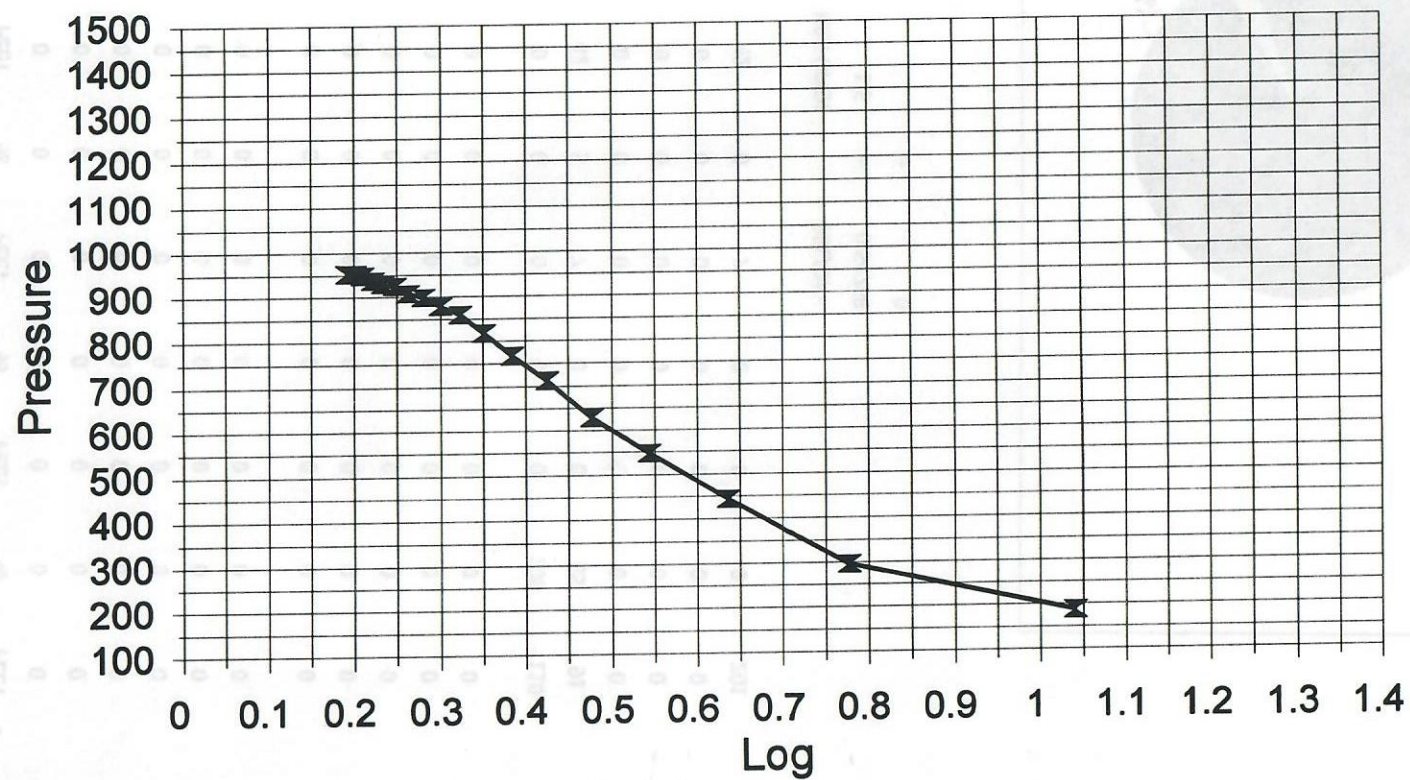
SAMPLE #		TOTAL		GAS		OIL		WATER		MUD	
		FEET	%	FEET	%	FEET	%	FEET	%	FEET	%
DRILL	1	0	0	0	0	0	0	0	0	0	0
PIPE	2	0	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0	0
	6	0	0	0	0	0	0	0	0	0	0
WEIGHT	1	0	0	0	0	0	0	0	0	0	0
PIPE	2	0	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0	0
DRILL	1	110	0	0	0	0	0	0	100	110	0
COLLARS	2	140	30	42	5	7	0	0	65	91	0
	3	0	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0	0
TOTAL		250	0	42	0	7	0	0	0	201	0

BBL OIL=	0.03423	*	HRS OPEN	1.5	=	BBL/DAY	0.54768
BBL WATER=	0	*			=		0
BBL MUD=	0.98289						
BBL GAS =	0.20538						



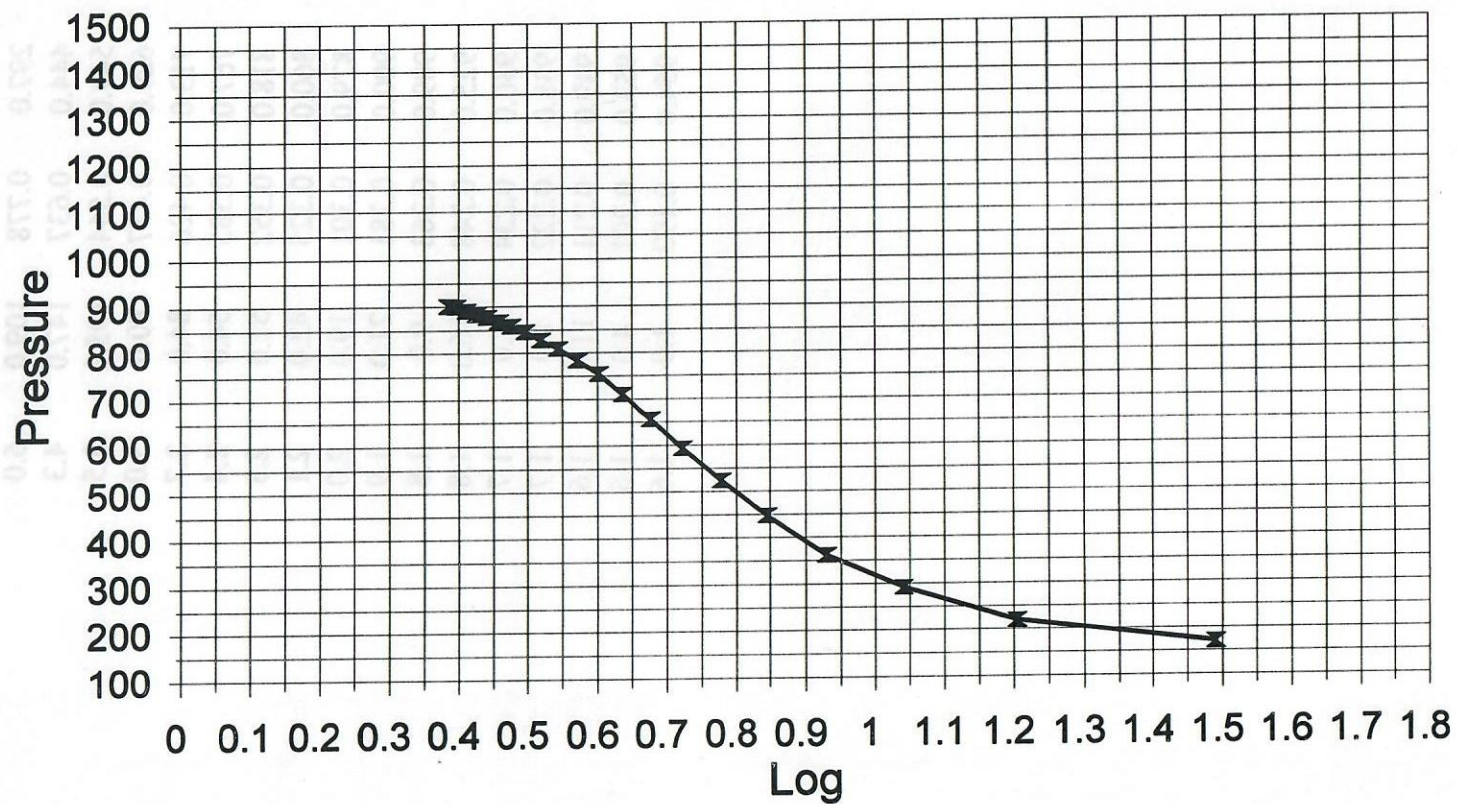
Horner Plot: Shut-in #1

P * 1085.86 Slope 687.163

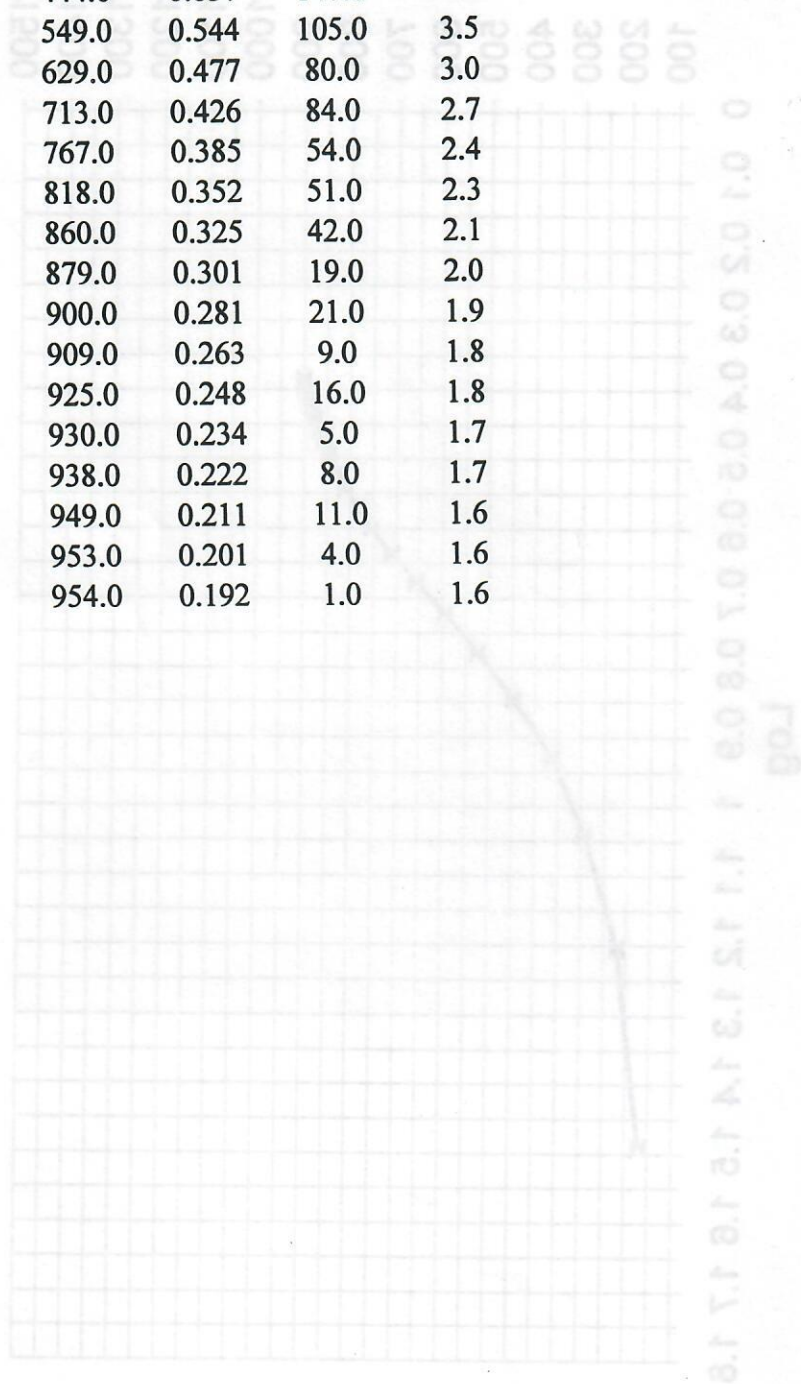


Horner Plot: Shut-in #2

P* 1075.52 Slope 450.285

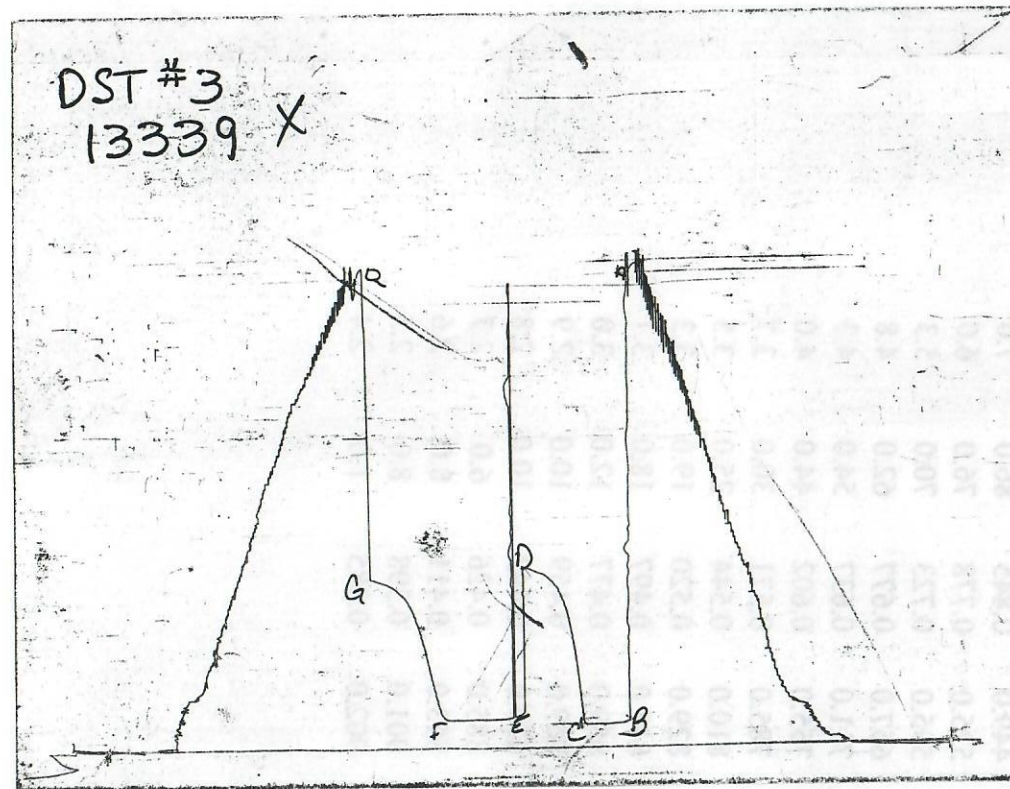


Time	Pressure PSIg	Log Horn T	◇ Pressure	(T+dT)/dT
***Start Shutin 1				
3	188.0	1.041	188.0	11.0
6	297.0	0.778	109.0	6.0
9	444.0	0.637	147.0	4.3
12	549.0	0.544	105.0	3.5
15	629.0	0.477	80.0	3.0
18	713.0	0.426	84.0	2.7
21	767.0	0.385	54.0	2.4
24	818.0	0.352	51.0	2.3
27	860.0	0.325	42.0	2.1
30	879.0	0.301	19.0	2.0
33	900.0	0.281	21.0	1.9
36	909.0	0.263	9.0	1.8
39	925.0	0.248	16.0	1.8
42	930.0	0.234	5.0	1.7
45	938.0	0.222	8.0	1.7
48	949.0	0.211	11.0	1.6
51	953.0	0.201	4.0	1.6
54	954.0	0.192	1.0	1.6



Time		Pressure	Log	◇	(T+dT)/dT
		PSIg	Horn T	Pressure	
***Start Shutin 2	3	172.0	1.491	172.0	31.0
	6	221.0	1.204	49.0	16.0
	9	293.0	1.041	72.0	11.0
	12	363.0	0.929	70.0	8.5
	15	449.0	0.845	86.0	7.0
	18	525.0	0.778	76.0	6.0
	21	595.0	0.723	70.0	5.3
	24	657.0	0.677	62.0	4.8
	27	711.0	0.637	54.0	4.3
	30	755.0	0.602	44.0	4.0
	33	785.0	0.571	30.0	3.7
	36	810.0	0.544	25.0	3.5
	39	829.0	0.520	19.0	3.3
	42	847.0	0.497	18.0	3.1
	45	859.0	0.477	12.0	3.0
	48	869.0	0.459	10.0	2.9
	51	879.0	0.442	10.0	2.8
	54	885.0	0.426	6.0	2.7
	57	893.0	0.411	8.0	2.6
	60	901.0	0.398	8.0	2.5
	63	902.0	0.385	1.0	2.4

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 11608

Well Name & No.	Durr #1-32	Test No.	3	Date	12-20-99
Company	Mull Drilling Company Inc.	Zone Tested	Miss-Spergen		
Address	P.O. Box 2758 Wichita, KS 67201	Elevation	4156	KB	4148 GL
Co. Rep / Geo.	Bruce E. / Roger M.	Cont.	Norseman #2	Est. Ft. of Pay	Por. %
Location: Sec.	32	Twp.	16 ^S	Rge.	47 ^W
		Co.	Cheyenne	State	CO
No. of Copies		Distribution Sheet (Y, N)		Turnkey (Y, N)	
		Evaluation (Y, N)			

Interval Tested	5075 - 5135	Initial Str Wt./Lbs.	60,000	Unseated Str Wt./Lbs.	60,000
Anchor Length	60'	Wt. Set Lbs.	30,000	Wt. Pulled Loose/Lbs.	65,000
Top Packer Depth	5070	Tool Weight	1,800		
Bottom Packer Depth	5075	Hole Size — 7 7/8"		Rubber Size — 6 3/4"	
Total Depth	5135	Wt. Pipe Run	—	Drill Collar Run	575' (9
Mud Wt.	9.2 LCM 8# Vis. 68 WL 6.4	Drill Pipe Size	4 1/2" XH	Ft. Run	4496' (72
Blow Description	IF: Weak surface blow built to 1" No blow - Flushed tool - surge - then FF: Weak steady surface blow throughout.				

Recovery — Total Feet	250'	GIP	—	Ft. in DC		Ft. in DP	
Rec.		Feet Of		%gas	%oil	%water	%mud
Rec.	110'	Feet Of	Mud	%gas	%oil	%water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud
Rec.	140	Feet Of	GSDCM	30%gas	5%oil	— %water	65% mud
Rec.		Feet Of		%gas	%oil	%water	%mud
BHT	129°	°F Gravity		°API D@		°F Corrected Gravity	
RW		@		°F Chlorides		ppm Recovery	Chlorides 300 ppm System

(A) Initial Hydrostatic Mud	2523	AK-1	Alpine	PSI Recorder No.	13309	T-On Location	2300 (CO
(B) First Initial Flow Pressure	104			PSI (depth)	5125	T-Started	0115
(C) First Final Flow Pressure	104			PSI Recorder No.	13339	T-Open	0540
(D) Initial Shut-In Pressure	969			PSI (depth)	5130	T-Pulled	0855
(E) Second Initial Flow Pressure	145			PSI Recorder No.	—	T-Out	1300
(F) Second Final Flow Pressure	145			PSI (depth)	—	T-Off Location	1430
(G) Final Shut-in Pressure	899			PSI Initial Opening	30	Test	
(Q) Final Hydrostatic Mud	2473			PSI Initial Shut-in	45	Jars	X
				Final Flow	60	Safety Joint	X
				Final Shut-in	60	Straddle	

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Approved By Roger L. Martin
Our Representative Rod Steinbrink

Circ. Sub X N/C
Sampler _____
Extra Packer _____
Elec. Rec. _____
Mileage 120
Other _____
TOTAL PRICE \$ _____