

Well Name: Mayer #1
Company: MTM Petroleum Co.
Location: 20-29s-7w
Kingman County Kansas
Date: 8-3-99

TRILOBITE TESTING L.L.C.

OPERATOR : MTM Pet,co.

DATE 07/29/199

WELL NAME: Mayer

KB 1567.00 ft

TICKET NO: 11439

DST #1

LOCATION : 20-29s-7w Kingman co KS

GR 1562.00 ft

FORMATION: Missippian

INTERVAL : 4141.00 To 4169.00 ft

TD 4169.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10332	10332	3246			PF Fr. 0530 to 0600 hr
SI 45 Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 0600 to 0645 hr
SF 30 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 0645 to 0715 hr
FS 45 Depth(ft)	4166.0	4166.0	4147.0	0.0	0.0	FS Fr. 0715 to 0800 hr

	Field	1	2	3	4	
A. Init Hydro	1977.0	1974.0	2047.0	0.0	0.0	T STARTED 0257 hr
B. First Flow	132.0	133.0	19.0	0.0	0.0	T ON BOTM 0527 hr
B1. Final Flow	132.0	129.0	20.0	0.0	0.0	T OPEN 0530 hr
C. In Shut-in	132.0	129.0	147.0	0.0	0.0	T PULLED 0800 hr
D. Init Flow	132.0	129.0	20.0	0.0	0.0	T OUT 0930 hr
E. Final Flow	122.0	126.0	22.0	0.0	0.0	
F. Fl Shut-in	111.0	126.0	173.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1916.0	1913.0	2029.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	O	O	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 90000.00 lbs
						Initial Str Wt 68000.00 lbs
						Unseated Str Wt 68000.00 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 233.18 ft
						D.P. Length 3905.34 ft

RECOVERY

Tot Fluid 30.00 ft of 30.00 ft in DC and 0.00 ft in DP
 220.00 ft of Gas in pipe
 30.00 ft of Very slight gas cut mud
 0.00 ft of 2% gas 98% mud
 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:

Fair blow built to bottom of bucket
 in 20 mins.

Initial Shut-in:

Bled down for 2 mins.no blow back.

Final Flow:

Fair blow built to 6 1/2" in water

Final Shut-in:

Bled down for 5 mins. no blow back

MUD DATA-----

Mud Type	Chemical
Weight	9.40 lb/cf
Vis.	50.00 S/L
W.L.	12.20 in3
F.C.	0.32 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	125.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 n
Cushion Type	none
Reversed Out N	
Tool Chased N	
Tester	Darren L.Amerine
Co. Rep.	Jerry Smith
Contr.	Pickrell
Rig #	1
Unit #	no
Pump T.	none

SAMPLES:

SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

LL NAME: Mayer

CATION : 20-29s-7w Kingman co KS

CKET No. 11439 D.S.T. No. 1 DATE 07/29/199

TAL TOOL TO BOTTOM OF TOP PACKERS 23

TERVAL TOOL

BTOM PACKERS AND ANCHOR 28

TAL TOOL 51

ILL COLLAR ANCHOR IN INTERVAL

C. ANCHOR STND.Stands Single Total

P. ANCHOR STND.Stands Single Total

TAL ASSEMBLY

C. ABOVE TOOLS.Stands4 Single Total 233.18

P. ABOVE TOOLS.Stands63 Single Total 3905.34

TAL DRILL COLLARS DRILL PIPE & TOOLS .. 4189.52

TAL DEPTH 4169

TAL DRILL PIPE ABOVE K.B. 20.52

MARKS:

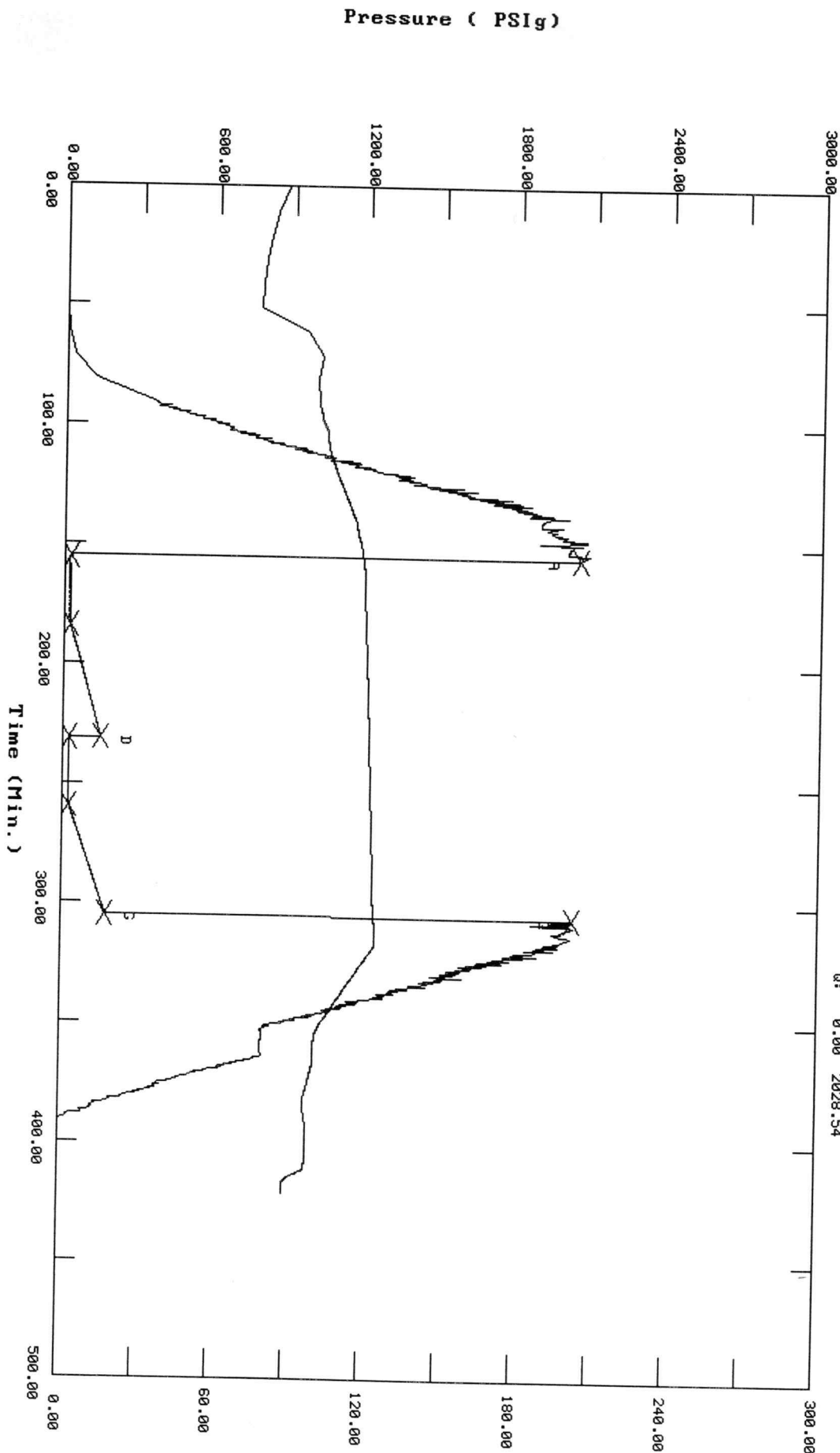
P.O. SUB	4119
C.O. SUB	4120
S.I. TOOL	4125
HMV	4130
JARS	
SAFETY JOINT	4132
PACKER	4136
PACKER	4141
DEPTH 4141	
STUBB 1'to	4142
ANCHOR 22'of perfs.to	4164
Alpine rec.@ 4147	
T.C.	
DEPTH	
	4164
Ak-1 rec,@ 4166	
BULLNOSE 5'bullnose to	4169
T.D.	

TEST HISTORY

Tk#11439 DST#1 Mayer #1 MTM Pet, Inc.

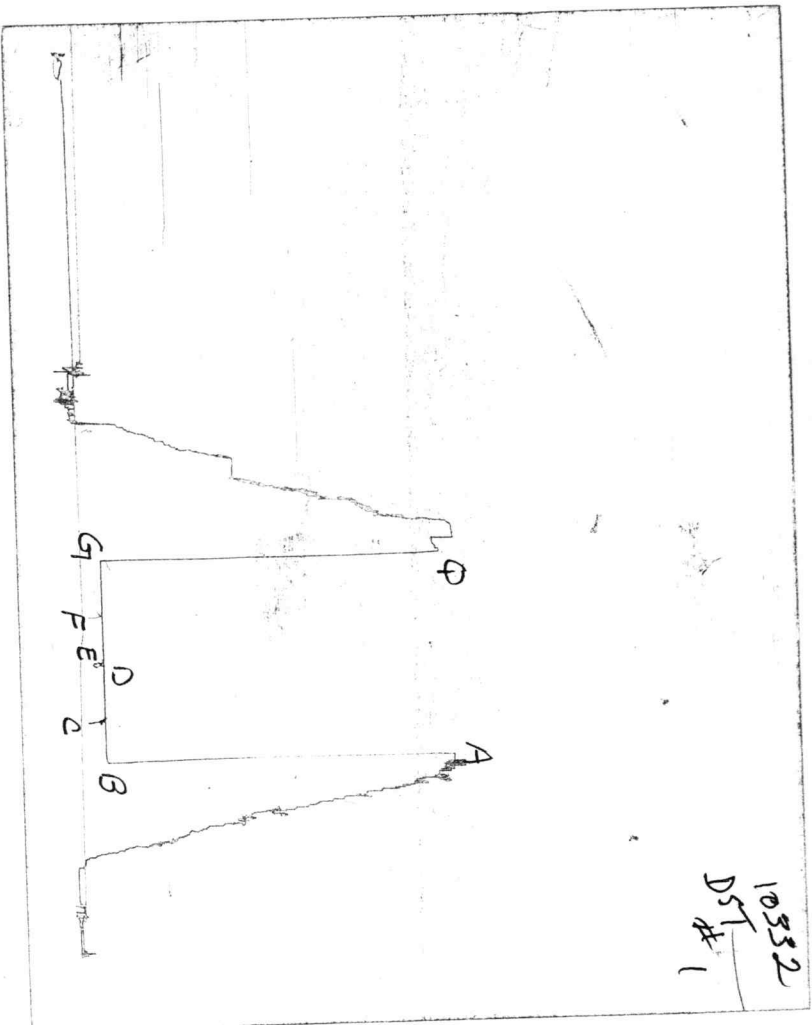
Flag Points

	t(Min.)	P (PSig)
A:	0.00	2046.55
B:	0.00	19.29
C:	28.75	20.05
D:	46.75	146.92
E:	0.00	19.63
F:	28.25	22.37
G:	45.50	173.40
H:	0.00	2028.54



Temperature (DEG F)

CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : MTM pet,co.

DATE 07/28/199

WELL NAME: Mayer

KB 1567.00 ft

TICKET NO: 11440

DST #2

LOCATION : 20-29s-7w Kingman co KS

GR 1562.00 ft

FORMATION: Miss

INTERVAL : 4187.00 To 4199.00 ft

TD 4199.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10991	10991	3246			PF Fr. 1825 to 1855 hr
SI 60 Range(Psi)	4200.0	4200.0	4995.0	0.0	0.0	IS Fr. 1855 to 1955 hr
SF 60 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 1955 to 2055 hr
FS 90 Depth(ft)	4196.0	4196.0	4193.0	0.0	0.0	FS Fr. 2055 to 2225 hr

	Field	1	2	3	4	
A. Init Hydro	2103.0	2102.0	2084.0	0.0	0.0	T STARTED 1649 hr
B. First Flow	53.0	58.0	26.0	0.0	0.0	T ON BOTM 1822 hr
B1. Final Flow	64.0	58.0	50.0	0.0	0.0	T OPEN 1825 hr
C. In Shut-in	1098.0	1092.0	1089.0	0.0	0.0	T PULLED 2225 hr
D. Init Flow	53.0	63.0	29.0	0.0	0.0	T OUT 0015 hr
E. Final Flow	75.0	74.0	73.0	0.0	0.0	
F. Fl Shut-in	1109.0	1104.0	1108.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2124.0	2132.0	2021.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0				Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 75000.00 lbs
						Initial Str Wt 68000.00 lbs
						Unseated Str Wt 68000.00 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 233.18 ft
						D.P. Length 3936.82 ft

RECOVERY

Tot Fluid 193.00 ft of 193.00 ft in DC and 0.00 ft in DP
 3976.00 ft of Gas in pipe
 20.00 ft of Heavy gas and oil cut mud water
 0.00 ft of 40% gas 40% oil 10% water 10% mud
 60.00 ft of Oil and water cut gassy mud
 0.00 ft of 10% gs 30% oil 36% water 24% mud
 60.00 ft of Slight oil and gas cut muddy water
 0.00 ft of 11% gas 10% il 75% water 4% mud
 53.00 ft of Heavy gas cut oil & water 37%g 18%o 30%w 15%m
 SALINITY 100000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

IF:Strong blow b.o.b in 15 sec.

ISI:Bled down for 5 mins.no blow back.

FF:Strong blow b.o.b in 15 sec.G.T.S
 less than 1 min.Gauge gas.

FSI:Bled down for 10 mins.no blow back.

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.30 lb/cf
Vis.	44.00 S/L
W.L.	10.40 in3
F.C.	0.32 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	129.00 F
Hole Condition	fair
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 n
Cushion Type	none
Reversed Out N	
Tool Chased N	
Tester	Darren L.Amerine
Co. Rep.	Jerry A.Smith
Contr.	Pickrell
Rig #	1
Unit #	no
Pump T.	none

Test Successful: Y

GAS RECOVERY

COMPANY: MTM pet,co.

WELL NAME: Mayer

WELL LOCATION: 20-29s-7w Kingman co KS

INTERVAL Fr.: 4187.00 To 4199.00 T.D.: 4199.00 ft TEST TYPE: CONVENTIONAL

DATE: 07/28/199

KB Elev: 1567.00 ft TICKET #11440 DST #2

GR Elev: 1562.00 ft FORMATION: Miss

GAS RECOVERY MEASURED WITH Adj.Choke

*** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.25	0	34	9790.0
20	0.25	0	38	10400.0
30	0.25	0	42	10900.0
40	0.25	0	44	11100.0
50	0.25	0	44	11100.0
60	0.25	0	44	11100.0

NATURAL GAS ANALYSIS REPORT

Sampled by:
 Trilobite Testing, L. L. C.
 Hays, Kansas
 Scott City, Kansas
 Phone: 800-728-5369
 Fax: 913-625-5620

Analyzed by:
 Caraway Analytical, Inc
 P. O. Box 2137
 Liberal, Kansas 67905
 Phone: 316-624-5389
 Fax: 316-626-7108

Lab Number: 994276
 Sample From: Mayer #1 DST 2
 Producer: MTM Petroleum
 Date:
 Time:
 Sampler:
 Source:

Analyzed: 08/02/99
 Pressure:
 Temperature:
 Location: 20-29-7
 County: Kingman
 State: Kansas
 Formation: Miss

	Mole %	GPM
Helium	He: 0.181	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 9.510	0.000
Nitrogen	N2: 34.439	0.000
Carbon Dioxide	CO2: 0.316	0.000
Methane	C1: 46.815	0.000
Ethane	C2: 3.586	0.959
Propane	C3: 2.003	0.552
Iso Butane	iC4: 0.332	0.109
Normal Butane	nC4: 0.764	0.241
Iso Pentane	iC5: 0.287	0.105
Normal Pentane	nC5: 0.339	0.123
Hexanes Plus	C6+: 1.428	0.623

TOTAL: 100.000 2.711
 Z Fact: 0.9982
 SP.GR.: 0.8557
 BTU (SAT): 711.1 @ 14.73 psia
 BTU (DRY): 723.7 @ 14.73 psia
 OCTANE RATING: 68.2

COMMENTS:

9.510

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Mayer

LOCATION : 20-29s-7w Kingman co KS

TICKET No. 11440 D.S.T. No. 2 DATE 07/28/199

TOTAL TOOL TO BOTTOM OF TOP PACKERS 23

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 12

TOTAL TOOL 35

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY

D.C. ABOVE TOOLS.Stands4 Single Total 233.18

D.P. ABOVE TOOLS.Stands63 Single 1 Total 3936.82

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4205

TOTAL DEPTH 4199

TOTAL DRILL PIPE ABOVE K.B. 6

REMARKS:

P.O. SUB top of tool @	4165
C.O. SUB	4166
S.I. TOOL	4171
HMV	4176
JARS	
SAFETY JOINT	4178
PACKER	4182
PACKER	4187
DEPTH 4187	
STUBB 1'to	4188
ANCHOR 6'of perms.to	4194
Alpine rec.@4193	
T.C.	
DEPTH	
	4194
Ak-1 rec @ 4196	
BULLNOSE 5'bullnose to	4199
T.D.	

TEST HISTORY

Tk#11440 DST#2 Mayer #1 MTM Pet,co.

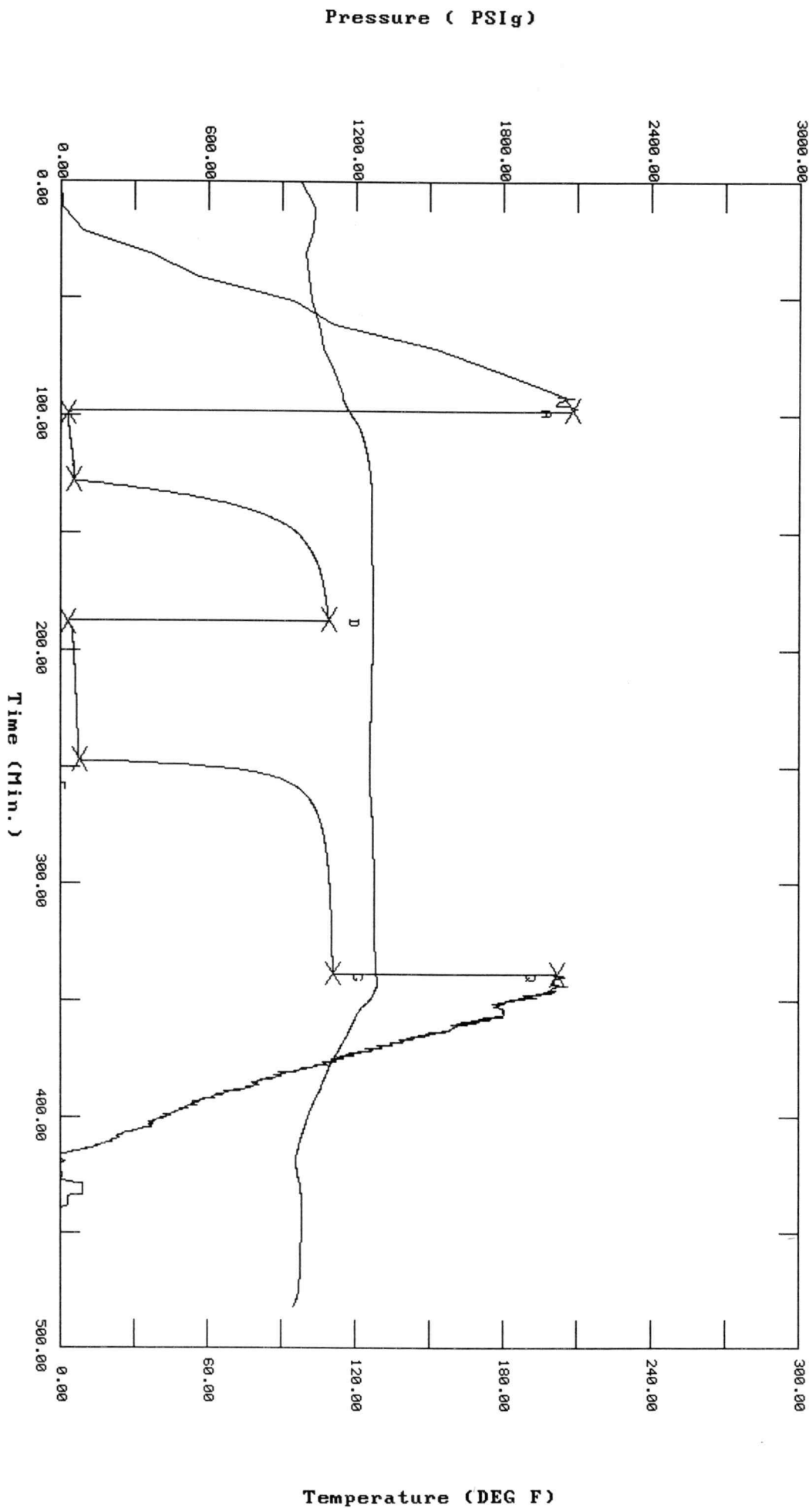
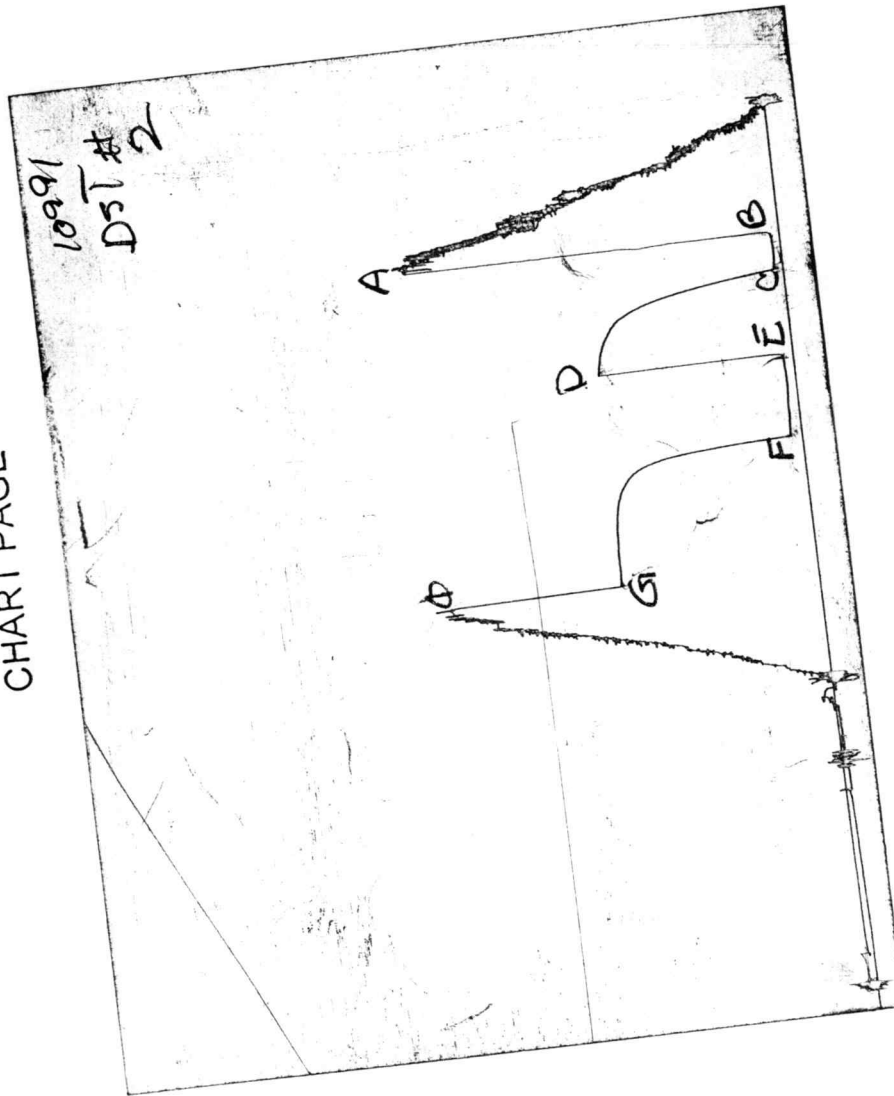


CHART PAGE



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



GAS VOLUME REPORT

NTM Pet. Co.
OPERATOR

Maple #1


DST NO

Final Flow

[illegible]

Remarks:

TRILOBITE TESTING L.L.C.

OPERATOR : MTM pet,co.

DATE 07/30/199

WELL NAME: Mayer #1

KB 1567.00 ft TICKET NO: 11441 DST #3

LOCATION : 20-29s-7w Kingman co KS

GR 1562.00 ft FORMATION: Simpson sd.

INTERVAL : 4514.00 To 4541.00 ft

TD 4541.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10991	10991	3246			PF Fr. 0800 to 0830 hr
SI 60 Range(Psi)	4200.0	4200.0	4995.0	0.0	0.0	IS Fr. 0830 to 0930 hr
SF 45 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 0930 to 1015 hr
FS 90 Depth(ft)	4538.0	4538.0	4520.0	0.0	0.0	FS Fr. 1015 to 1145 hr

	Field	1	2	3	4	
A. Init Hydro	2282.0	2286.0	2264.0	0.0	0.0	T STARTED 0615 hr
B. First Flow	586.0	596.0	559.0	0.0	0.0	T ON BOTM 0757 hr
B1. Final Flow	1385.0	1419.0	1420.0	0.0	0.0	T OPEN 0800 hr
C. In Shut-in	1618.0	1654.0	1659.0	0.0	0.0	T PULLED 1145 hr
D. Init Flow	1460.0	1475.0	1434.0	0.0	0.0	T OUT 1530 hr
E. Final Flow	1629.0	1655.0	1648.0	0.0	0.0	
F. Fl Shut-in	1650.0	1674.0	1661.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2282.0	2286.0	2274.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	O	I				Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 98000.00 lbs
						Initial Str Wt 70000.00 lbs
						Unseated Str Wt 88000.00 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 233.18 ft
						D.P. Length 4280.00 ft

RECOVERY

Tot Fluid 4169.00 ft of 233.00 ft in DC and 3936.00 ft in DP

344.00 ft of Gas in pipe

3469.00 ft of Free oil

700.00 ft of Salt water

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

SALINITY 70000.00 P.P.M. A.P.I. Gravity 40.00

BLOW DESCRIPTION

Initial Flow:

Strong blow bottom of bucket in
30 secs. gas to surface in 23 mins.

Initial Shut-in:

Bled down for 20 mins. back to
bottom of bucket in 5 mins.

Final Slow:

Strong blow bottom of bucket in
15 secs. gauge gas

Final Shut-in:

Bled down for 60 mins. built back to
bottom of bucket in 1 mins.

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type Chemical

Weight 9.30 lb/cf

Vis. 52.00 S/L

W.L. 11.20 in3

F.C. 0.32 in

Mud Drop N

Amt. of fill 0.00 ft

Btm. H. Temp. 144.00 F

Hole Condition good

% Porosity 0.00

Packer Size 6.75 in

No. of Packers 2

Cushion Amt. 0.00 n

Cushion Type none

Reversed Out N

Tool Chased N

Tester Darren L.Amerine

Co. Rep. Jerry A.Smith

Contr. Pickrell

Rig # 1

Unit # no

Pump T. none

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

LL NAME: Mayer #1

CATION : 20-29s-7w Kingman co KS

CKET No. 11441 D.S.T. No. 3 DATE 07/30/199

TAL TOOL TO BOTTOM OF TOP PACKERS 23

TERVAL TOOL

TTOM PACKERS AND ANCHOR 27

TAL TOOL 50

ILL COLLAR ANCHOR IN INTERVAL

C. ANCHOR STND.Stands Single Total

P. ANCHOR STND.Stands Single Total

TAL ASSEMBLY

C. ABOVE TOOLS.Stands4 Single Total 233.18

P. ABOVE TOOLS.Stands69 Single Total 4280.00

TAL DRILL COLLARS DRILL PIPE & TOOLS .. 4563.00

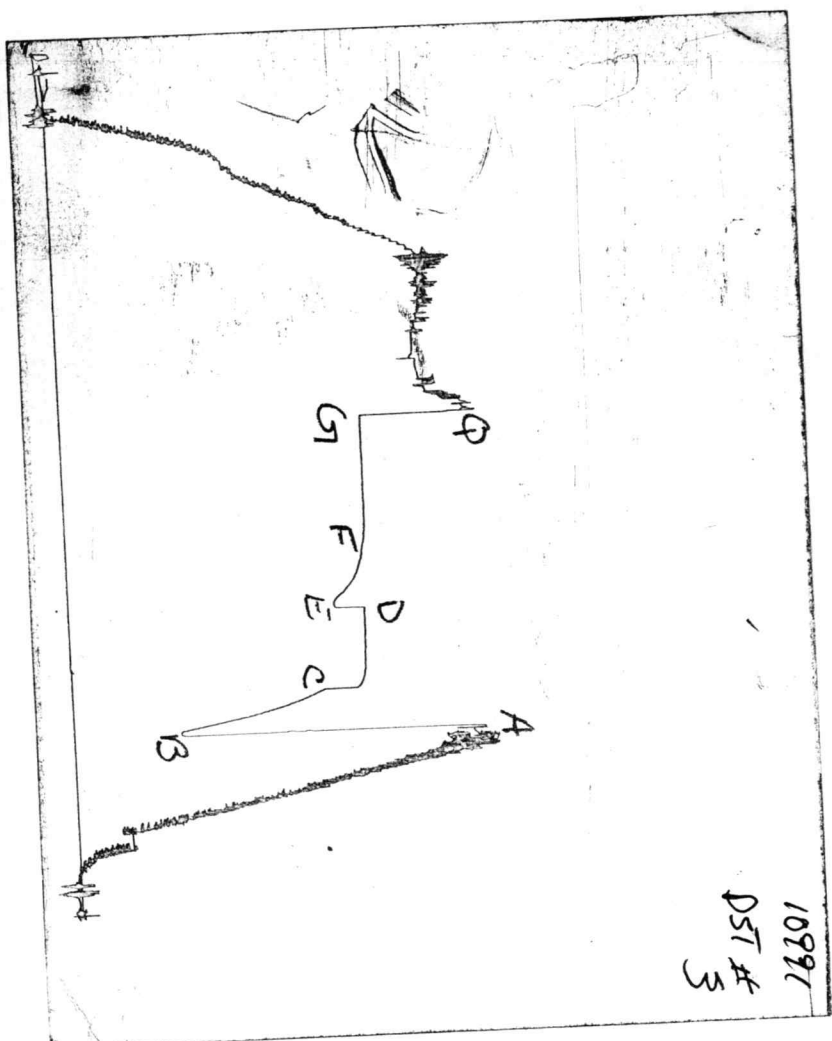
TAL DEPTH 4541

TAL DRILL PIPE ABOVE K.B. 22

MARKS:

P.O. SUB top of tool @	4492
C.O. SUB	4493
S.I. TOOL	4498
HMV	4503
JARS	
SAFETY JOINT	4505
PACKER	4509
PACKER	4514
DEPTH 4514	
STUBB 1'to	4515
ANCHOR 21 'of perfs.to	4536
Alpine rec.@ 4520	
T.C.	
DEPTH	
	4536
Ak-1 rec.4538	
BULLNOSE 5' bullnose to	4541
T.D.	

CHART PAGE



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



GAS VOLUME REPORT

MTM Let, Co.

NAME REPORT
Mayer #1
WELL NAME A

3
DST NO

OPERATOR

WELL NAME AND NO.

DST NO

5.15 23 mins. Initial flow

Final flow
Ins. of Water

Simpson SD.

Remarks:

Well Name Mayer I

DST Number 1

Recorder Number 10320

A: 1.947 1974

B: 132 133

C: 128 129

D: 128 129

E: 128 129

F: 125 126

G: 125 126

Q: 1.887 1913

NATURAL GAS ANALYSIS REPORT

Sampled by:
 Trilobite Testing, L. L. C.
 Hays, Kansas
 Scott City, Kansas
 Phone: 800-728-5369
 Fax: 913-625-5620

Analyzed by:
 Caraway Analytical, Inc
 P. O. Box 2137
 Liberal, Kansas 67905
 Phone: 316-624-5389
 Fax: 316-626-7108

Lab Number: 994317	Analyzed: 08/03/99
Sample From: Mayer #1 DST 3	Pressure:
Producer: MTM Petroleum	Temperature:
Date:	Location: 20-29-7
Time:	County: Kingman
Sampler:	State: Kansas
Source:	Formation: Simpson Sd

	Mole %	GPM
Helium	He: 0.769	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 22.067	0.000
Carbon Dioxide	CO2: 0.061	0.000
Methane	C1: 50.753	0.000
Ethane	C2: 9.871	2.640
Propane	C3: 9.064	2.498
Iso Butane	iC4: 1.152	0.377
Normal Butane	nC4: 3.540	1.116
Iso Pentane	iC5: 0.647	0.237
Normal Pentane	nC5: 0.771	0.279
Hexanes Plus	C6+: 1.305	0.569

TOTAL: 100.000 7.716
 Z Fact: 0.9961
 SP.GR.: 0.9124
 BTU (SAT): 1178.6 @ 14.73 psia
 BTU (DRY): 1199.4 @ 14.73 psia
 OCTANE RATING: 90.5

COMMENTS:

0.000