



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313

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ORIGINAL

Page 1 of 3 Pages

CONFIDENTIAL

Company MTM Petroleum, Inc. Lease & Well No. Krehbiel "A" No. 2
Elevation 1446 KB Formation Mississippi Effective Pay -- Ft. Ticket No. J1265
Date 7-1-02 Sec. 10 Twp. 30S Range 7W County Kingman State Kansas
Test Approved By Jerry A. Smith Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 4,120 ft. to 4,144 ft. Total Depth 4,144 ft.

Packer Depth 4,115 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,120 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,123 ft. Recorder Number Elec. Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,141 ft. Recorder Number 13556 Cap. 5,475 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Duke Drlg Co., Inc. - Rig 2 Drill Collar Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 44 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.4 Water Loss 11.2 cc. Drill Pipe Length 4,098 ft. I.D. 3 1/2 in.

Chlorides 7,000 P.P.M. Test Tool Length 22 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number Not Run Anchor Length 24 ft. Size 4 1/2 - FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Strong blow. Off bottom of bucket immediately. Gas to surface in 5 mins.

2nd Open: Strong blow. Gas to surface throughout. (SEE GAS VOLUME REPORT)

Recovered 90 ft. of gas cut drilling mud = .666000 bbls. (Grind out: 15%-gas; 85%-mud)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks

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Time Set Packer(s) 10:00 ~~P.M.~~ A.M. Time Started Off Bottom 2:00 ~~P.M.~~ A.M. Maximum Temperature 123°

Initial Hydrostatic Pressure (A) 2005 P.S.I.

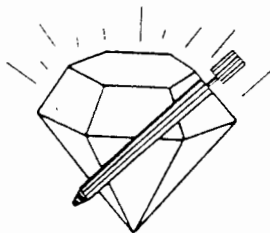
Initial Flow Period Minutes 30 (B) 34 P.S.I. to (C) 56 P.S.I.

Initial Closed In Period Minutes 60 (D) 747 P.S.I.

Final Flow Period Minutes 60 (E) 57 P.S.I. to (F) 67 P.S.I.

Final Closed In Period Minutes 90 (G) 733 P.S.I.

Final Hydrostatic Pressure (H) 1981 P.S.I.



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FLUID SAMPLE DATA

Company MTM Petroleum, Inc.

Lease & Well No. Krehbiel "A" No. 2

Date 7-1-02 Sec. 10 Twp. 30 S Range 7 W

Formation Test No. 1 Interval Tested From 4,120 ft. to 4,144 ft. Total Depth 4,144 ft.

Formation Mississippi

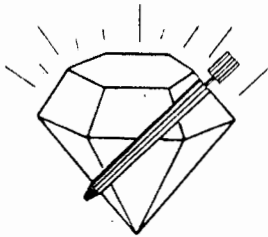
	<u>MUD PIT</u>	<u>RECOVERY</u>
Viscosity	<u>44</u> CP	<u>48</u> CP
Weight	<u>9.4</u>	<u>9.1</u>
Water Loss	<u>11.2</u> CC	<u>12.0</u> CC
PH Factor	<u>10.0</u>	<u>10.0</u>

	<u>RESISTIVITY</u>	<u>CHLORIDE CONTENT</u>
Recovery Water	<u>--</u> @ <u>--</u> °F. <u>--</u> ppm	
Recovery Mud	<u>.70</u> @ <u>80</u> °F. <u>7,500</u> ppm	
Recovery Mud Filtrate	<u>.70</u> @ <u>80</u> °F. <u>7,500</u> ppm	
Mud Pit Sample	<u>1.00</u> @ <u>70</u> °F. <u>6,500</u> ppm	
Mud Pit Sample Filtrate	<u>1.00</u> @ <u>70</u> °F. <u>6,500</u> ppm	

Sample Taken By JOHN C. RIEDL

Witness By Jerry A. Smith

Remarks Pit filtrate triton dish chlorides were 7,000 Ppm.
Recovery filtrate triton dish chlorides were 8,000 Ppm.



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GAS VOLUME REPORT

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Company MTM Petroleum, Inc. Lease & Well No. Krehbiel "A" No. 2
Date 7-1-02 Sec. 10 Twp. 30 S Rge. 7 W Location SW NE SE County Kingman State KS
Drilling Contractor Duke Drlg Co., Inc. - Rig 2 Formation Mississippi DST No. 1
Remarks: 1st Open: Gas to surface in 5 mins. Gas sample taken.

INITIAL FLOW

Open Tool: 10:00 p.m.

Time O'Clock	Orifice Size	Gauge	CF/D
10:10 p.m.	$\frac{1}{2}$ in.	6 psi	86,300
10:20 p.m.	$\frac{1}{2}$ in.	12 psi	129,000
10:30 p.m.	$\frac{1}{2}$ in.	14 psi	141,000

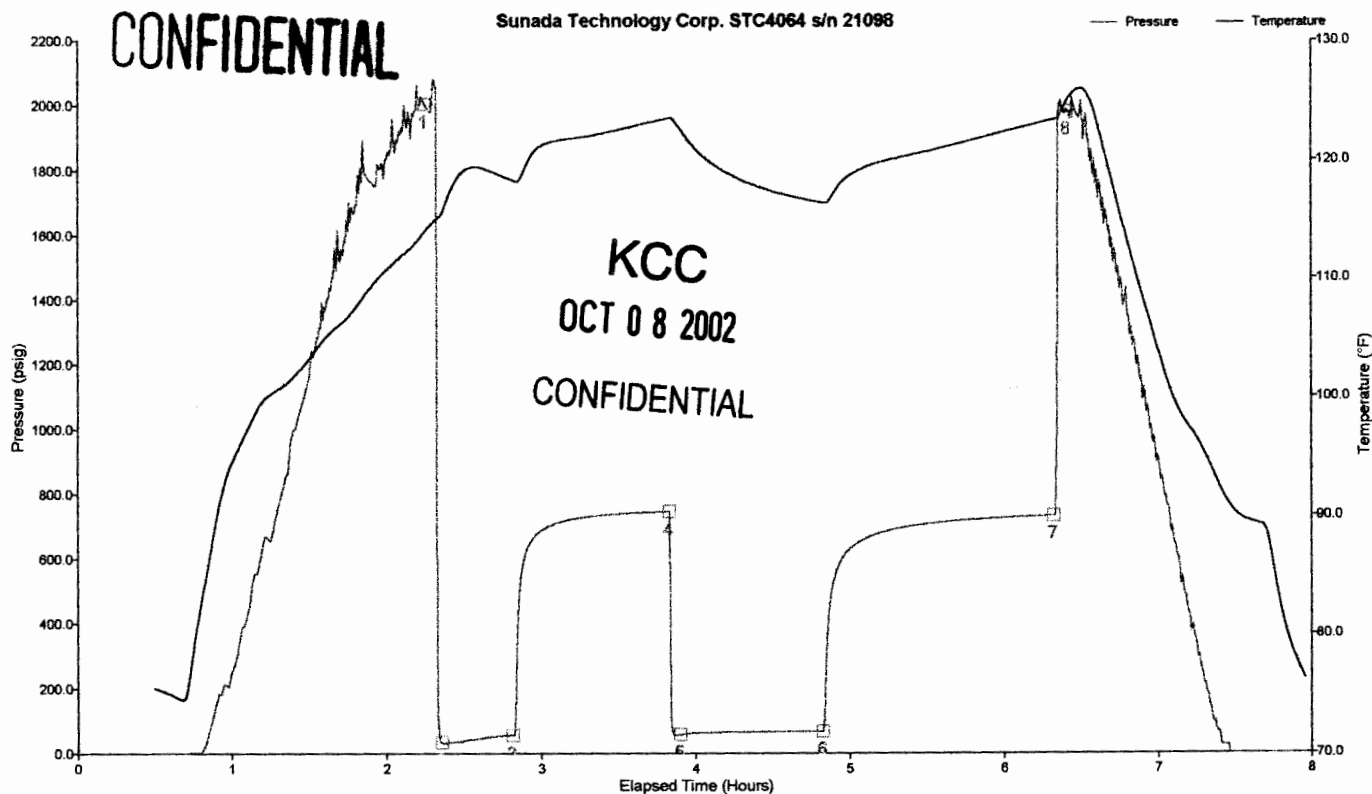
FINAL FLOW

Open Tool: 11:30 p.m.

Time O'Clock	Orifice Size	Gauge	CF/D
11:40 p.m.	$\frac{1}{2}$ in.	14 psi	141,000
11:50 p.m.	$\frac{1}{2}$ in.	19 psi	171,000
12:00 a.m.	$\frac{1}{2}$ in.	18 psi	166,000
12:10 a.m.	$\frac{1}{2}$ in.	17 psi	159,000
12:20 a.m.	$\frac{1}{2}$ in.	17 psi	159,000
12:30 a.m.	$\frac{1}{2}$ in.	17 psi	159,000

Well LSD: DST 1 MISSISSIPPI 4120-4144
 Well Name: KREHBIEL A 2
 Company: MTM PETROLEUM INC
 Battery on: Jul 1, 2002 at 18:40:00
 Notes: RECOVERY 90' GAS CUT DRILLING MUD

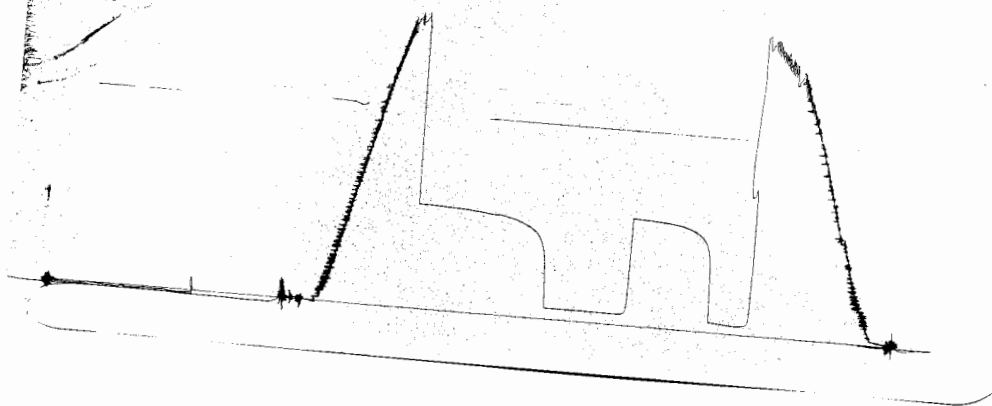
ORIGINAL



Tag	Pressure	Temperature	Comment
1	2005.17 psig	114.05 °F	2002-07-01 20:55:00
2	33.59 psig	115.63 °F	2002-07-01 21:01:30
3	56.17 psig	118.29 °F	2002-07-01 21:29:00
4	747.00 psig	123.52 °F	2002-07-01 22:30:00
5	56.54 psig	122.63 °F	2002-07-01 22:34:00
6	67.27 psig	116.40 °F	2002-07-01 23:29:30
7	732.71 psig	123.39 °F	2002-07-02 00:59:30
8	1981.04 psig	125.00 °F	2002-07-02 01:04:30

(G) Second Final Flow Pressure..... 07 67 PSI
 (G) Final Closed-in Pressure..... 733 733 PSI
 (H) Final Hydrostatic Mud..... 1981 1981 PSI

COMPANY: MTM PETROLEUM, INC.
 LEASE AND WELL NO. KREHBIEL A NO. 2
 SEC. 10
 TWP. 30S
 RGE. 1W
 TEST NO. 1
 DATE 7-1-02



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Elec. Office Reading
(A) Initial Hydrostatic Mud	2005	2005
(B) First Initial Flow Pressure.....	34	34
(C) First Final Flow Pressure	56	56
(D) Initial Closed-in Pressure	747	747
(E) Second Initial Flow Pressure	57	57
(F) Second Final Flow Pressure.....	67	67
(G) Final Closed-in Pressure.....	733	733
(H) Final Hydrostatic Mud	1981	1981

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Company MTM Petroleum, Inc. Lease & Well No. Krehbiel "A" No. 2
Elevation 1446 KB Formation Mississippi Effective Pay -- Ft. Ticket No. J1266
Date 7-2-02 Sec. 10 Twp. 30S Range 7W County Kingman State Kansas
Test Approved By Jerry A. Smith Diamond Representative John C. Riedl
Formation Test No. 2 Interval Tested from 4,144 ft. to 4,161 ft. Total Depth 4,161 ft.
Packer Depth 4,139 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 4,144 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set ft.
Top Recorder Depth (Inside) 4,147 ft. Recorder Number Elec. Cap. 5,000 psi
Bottom Recorder Depth (Outside) 4,158 ft. Recorder Number 13556 Cap. 5,475 psi
Below Straddle Recorder Depth ft. Recorder Number psi
Drilling Contractor Duke Drlg Co., Inc. - Rig 2 Drill Collar Length -- ft. I.D. -- in.
Mud Type Chemical Viscosity 47 Weight Pipe Length -- ft. I.D. -- in.
Weight 9.3 Water Loss 10.4 cc. Drill Pipe Length 4,122 ft. I.D. 3 1/2 in.
Chlorides 7,000 P.P.M. Test Tool Length 22 ft. Tool Size 3 1/2 - IF in.
Jars: Make Bowen Serial Number Not Run Anchor Length 17 ft. Size 4 1/2 - FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Strong blow. Off bottom of bucket in 1 min. No blow back during shut-in.
2nd Open: Strong blow. Off bottom of bucket immediately. No blow back during shut-in.

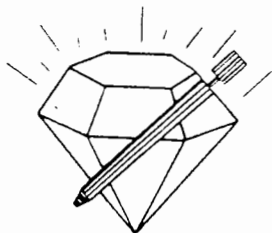
Recovered 1,600 ft. of gas in pipe
Recovered 20 ft. of slightly oil & gas cut watery mud = .148000 bbls. (Grind out: 5%-oil; 5%-gas; 10%-water; 80%-mud)
Recovered 60 ft. of slightly oil & gas cut & heavy water cut mud = .444000 bbls. (Grind out: 5%-oil; 10%-gas; 35%-water; 50%-mud)
Recovered 80 ft. of TOTAL FLUID = .592000 bbls. Chlorides: 24,000 Ppm

KCC**OCT 08 2002**

Remarks _____

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Time Set Packer(s) 10:10 ~~AM.~~ ^{PM.} Time Started Off Bottom 1:10 ~~PM.~~ ^{AM.} Maximum Temperature 126°
Initial Hydrostatic Pressure (A) 2005 P.S.I.
Initial Flow Period Minutes 30 (B) 12 P.S.I. to (C) 26 P.S.I.
Initial Closed In Period Minutes 60 (D) 580 P.S.I.
Final Flow Period Minutes 30 (E) 32 P.S.I. to (F) 40 P.S.I.
Final Closed In Period Minutes 60 (G) 521 P.S.I.
Final Hydrostatic Pressure (H) 1990 P.S.I.



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FLUID SAMPLE DATA

Company MTM Petroleum, Inc.

Lease & Well No. Krehbiel "A" No. 2

Date 7-2-02 Sec. 10 Twp. 30 S Range 7 W

Formation Test No. 2 Interval Tested From 4,144 ft. to 4,161 ft. Total Depth 4,161 ft.

Formation Mississippi

	<u>MUD PIT</u>	<u>RECOVERY</u>
Viscosity	<u>47</u> CP	<u>43</u> CP
Weight	<u>9.3</u>	<u>9.0</u>
Water Loss	<u>10.4</u> CC	<u>50+</u> CC
PH Factor	<u>10.5</u>	<u>9.0</u>

	<u>RESISTIVITY</u>	<u>CHLORIDE CONTENT</u>
Recovery Water	<u>.26</u> @ <u>70</u> °F.	<u>25,000</u> ppm
Recovery Mud	<u>.32</u> @ <u>70</u> °F.	<u>23,000</u> ppm
Recovery Mud Filtrate	<u>.81</u> @ <u>70</u> °F.	<u>7,500</u> ppm
Mud Pit Sample	<u>.81</u> @ <u>70</u> °F.	<u>7,500</u> ppm
Mud Pit Sample Filtrate	<u>.81</u> @ <u>70</u> °F.	<u>7,500</u> ppm

Sample Taken By JOHN C. RIEDL

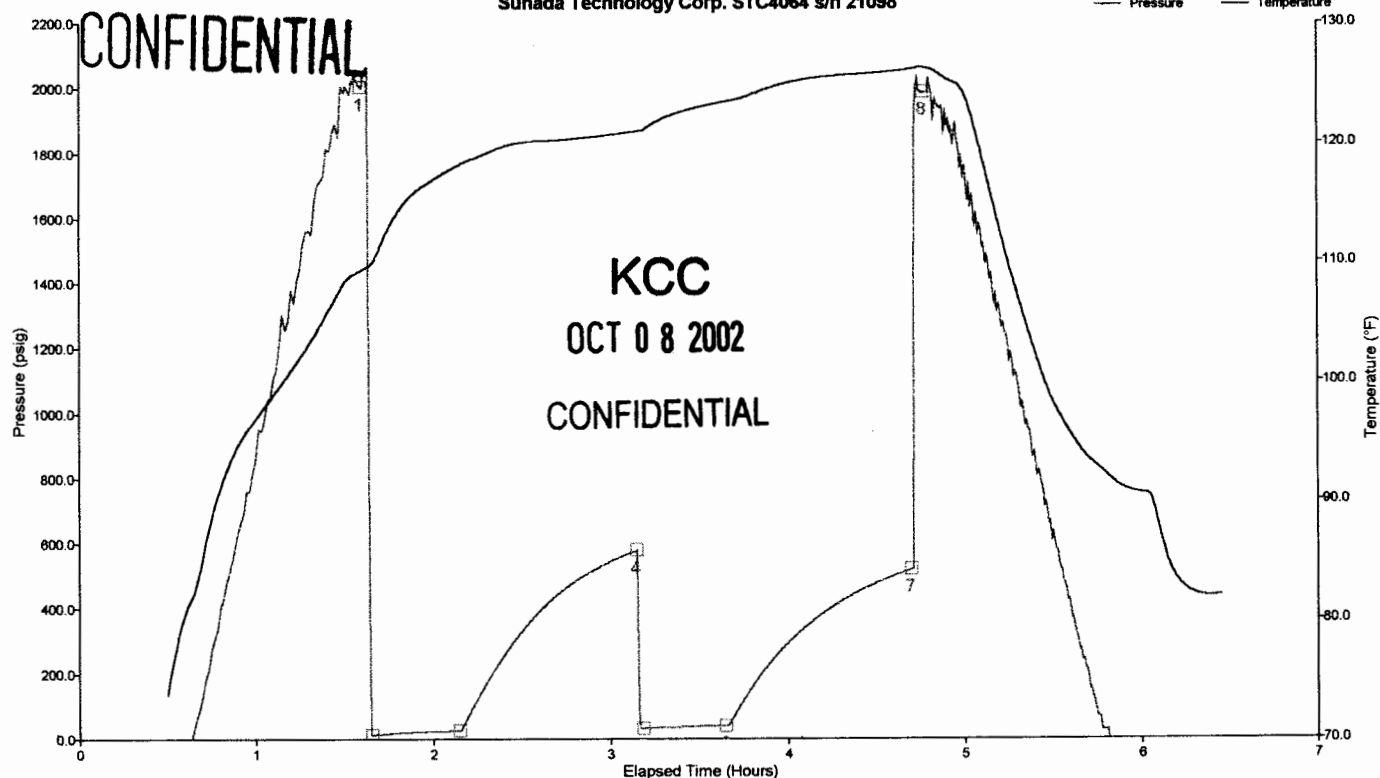
Witness By Jerry A. Smith

Remarks Pit filtrate triton dish chlorides were 7,000 Ppm.
Recovery filtrate triton dish chlorides were 20,000 Ppm.
Recovery water dish chlorides were 23,000 Ppm.

Well LSD: DST 2 MISSISSIPPI 4144-4161
 Well Name: KREHBIEL A 2
 Company: MTM PETROLEUM INC
 Battery on: Jul 2, 2002 at 08:30:00
 Notes: RECOVERY 1600' GIP 80'0+GCWM CHLORIDES 24,000Ppm

ORIGINAL

Sunada Technology Corp. STC4064 s/n 21098



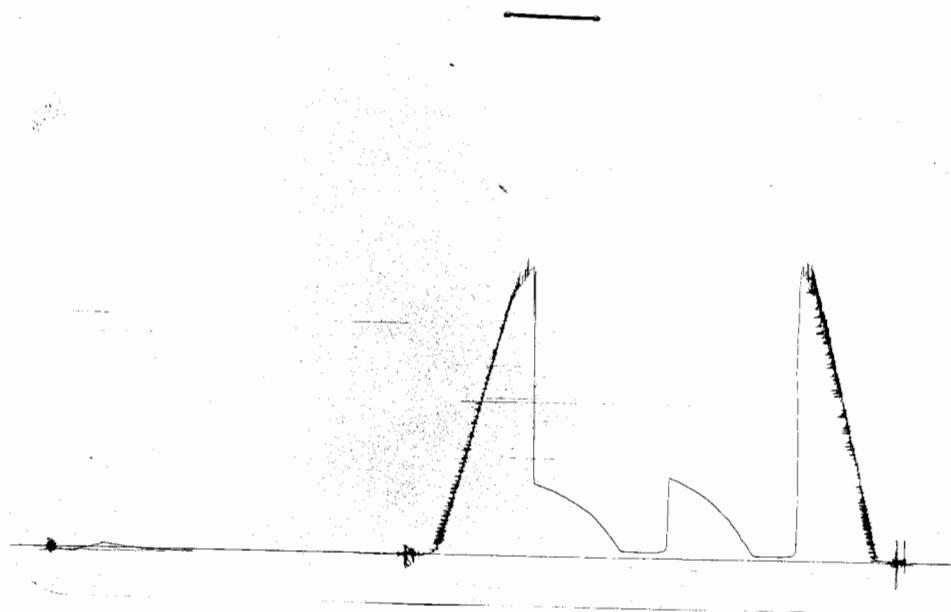
Tag	Pressure	Temperature	Comment
1	2005.04 psig	109.28 °F	2002-07-02 10:05:30
2	12.21 psig	109.93 °F	2002-07-02 10:09:30
3	25.79 psig	118.16 °F	2002-07-02 10:39:00
4	579.74 psig	120.96 °F	2002-07-02 11:39:00
5	32.29 psig	121.07 °F	2002-07-02 11:41:00
6	40.19 psig	123.45 °F	2002-07-02 12:09:00
7	520.59 psig	126.15 °F	2002-07-02 13:12:00
8	1989.59 psig	126.30 °F	2002-07-02 13:16:00

(F) Second Final Flow Pressure..... 40 40 PSI
 (G) Final Closed-in Pressure..... 521 521 PSI
 (H) Final Hydrostatic Mud..... 1990 1990 PSI

ROC #13556 OUTSIDE
LOC 4158

ISS #2
KREHBIEL A 2

CLOCK 8622.



This is an actual photograph of recorder chart.

POINT	PRESSURE Elec.	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	2005	2005
(B) First Initial Flow Pressure	12	12
(C) First Final Flow Pressure	26	26
(D) Initial Closed-in Pressure	580	580
(E) Second Initial Flow Pressure	32	32
(F) Second Final Flow Pressure	40	40
(G) Final Closed-in Pressure	521	521
(H) Final Hydrostatic Mud	1990	1990

COMPANY MTM Petroleum, Inc. LEASE AND WELL NO. Krehbiel "A" No. 2 SEC. 10 TWP. 30S RGE. 7W TEST NO. 2 DATE 7-2-02