



15-095-21816

DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

RECEIVED

OCT 10 2002

KCC WICHITA ORIGINAL

Page 1 of 6 Pages

CONFIDENTIAL

Company MTM Petroleum, Inc. Lease & Well No. Mayer No. 2
 Elevation 1547 KB Formation Mississippi Effective Pay -- Ft. Ticket No. 1651
 Date 7-14-02 Sec. 20 Twp. 29S Range 7W County Kingman State Kansas
 Test Approved By Jerry A. Smith Diamond Representative Roger D. Friedly

Formation Test No. 1 Interval Tested from 4,126 ft. to 4,170 ft. Total Depth 4,170 ft.
 Packer Depth 4,121 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
 Packer Depth 4,126 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
 Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 4,112 ft. Recorder Number Elec. Cap. 5,000 psi
 Bottom Recorder Depth (Outside) 4,167 ft. Recorder Number 13387 Cap. 4,000 psi
 Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. -- psi

Drilling Contractor Pickrell Drlg Co., Inc. - Rig 1 Drill Collar Length 241 ft. I.D. 2 1/4 in.
 Mud Type Chemical Viscosity 44 Weight Pipe Length -- ft. I.D. -- in.
 Weight 9.4 Water Loss 11.2 cc. Drill Pipe Length 3,858 ft. I.D. 3 1/2 in.
 Chlorides 5,000 P.P.M. Test Tool Length 27 ft. Tool Size 3 1/2 - IF in.
 Jars: Make Bowen Serial Number Not Run Anchor Length 44 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: Good, 4 in., blow increasing. Off bottom of bucket in 1 1/2 mins. No blow back during shut-in.
 2nd Open: Strong blow. Off bottom of bucket in 30 secs. No blow back during shut-in.

Recovered 1,410 ft. of gas in pipe

Recovered 70 ft. of gassy drilling mud = .344400 bbls.

Recovered 70 ft. of TOTAL FLUID = .344400 bbls.

Recovered -- ft. of

Recovered -- ft. of

Remarks Tool had all drilling mud.

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Time Set Packer(s) 8:53 ~~P.M.~~ ^{~~P.M.~~} Time Started Off Bottom 12:53 ~~P.M.~~ ^{~~P.M.~~} Maximum Temperature 126°

Initial Hydrostatic Pressure (A) 1962 P.S.I.

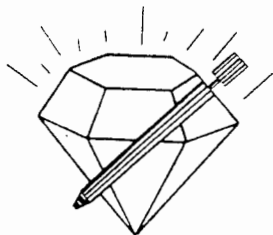
Initial Flow Period Minutes 30 (B) 24 P.S.I. to (C) 40 P.S.I.

Initial Closed In Period Minutes 60 (D) 396 P.S.I.

Final Flow Period Minutes 60 (E) 40 P.S.I. to (F) 59 P.S.I.

Final Closed In Period Minutes 90 (G) 442 P.S.I.

Final Hydrostatic Pressure (H) 1954 P.S.I.



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Page 2 of 6 Pages

FLUID SAMPLE DATA

Company MTM Petroleum, Inc.

Lease & Well No. Mayer No. 2

Date 7-14-02 Sec. 20 Twp. 29 S Range 7 W

Formation Test No. 1 Interval Tested From 4,126 ft. to 4,170 ft. Total Depth 4,170 ft.

Formation Mississippi

	<u>MUD PIT</u>	<u>RECOVERY</u>
Viscosity	<u>44</u> CP	<u>54</u> CP
Weight	<u>9.4</u>	<u>9.2</u>
Water Loss	<u>11.2</u> CC	<u>8.8</u> CC
PH Factor	<u>9.5</u>	<u>10.5</u>

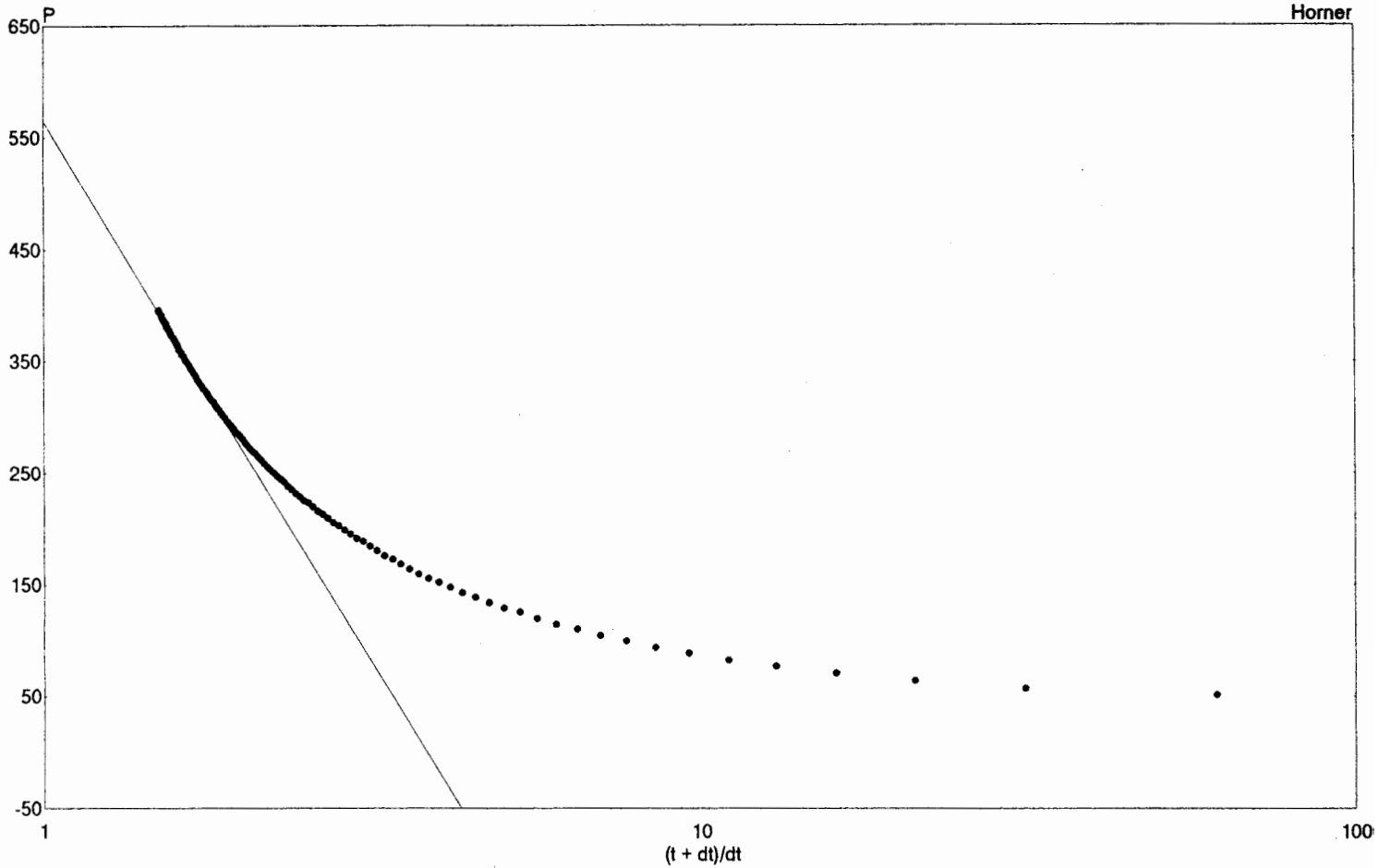
	<u>RESISTIVITY</u>	<u>CHLORIDE CONTENT</u>
Recovery Water	<u>--</u> @ <u>--</u> °F. <u>--</u> ppm	
Recovery Mud	<u>.91</u> @ <u>66</u> °F. <u>7,000</u> ppm	
Recovery Mud Filtrate	<u>1.00</u> @ <u>68</u> °F. <u>6,500</u> ppm	
Mud Pit Sample	<u>.78</u> @ <u>78</u> °F. <u>7,000</u> ppm	
Mud Pit Sample Filtrate	<u>.88</u> @ <u>70</u> °F. <u>7,000</u> ppm	

Sample Taken By ROGER D. FRIEDLY

Witness By Jerry A. Smith

Remarks Pit filtrate triton dish chlorides were 5,000 Ppm.
Recovery filtrate triton dish chlorides were 4,500 Ppm.

MTM PETROLEUM, INC MAYER #2 DST #1 INITIAL SHUT IN



MTM PETROLEUM, INC MAYER #2 DST #1 INITIAL SHUT IN

Analysis Results: Horner

Parameters:

Slope = -970.305

$m(1 \text{ hr}) = 394.509$

Prd Time: = 0.5 hr

Calculated Values:

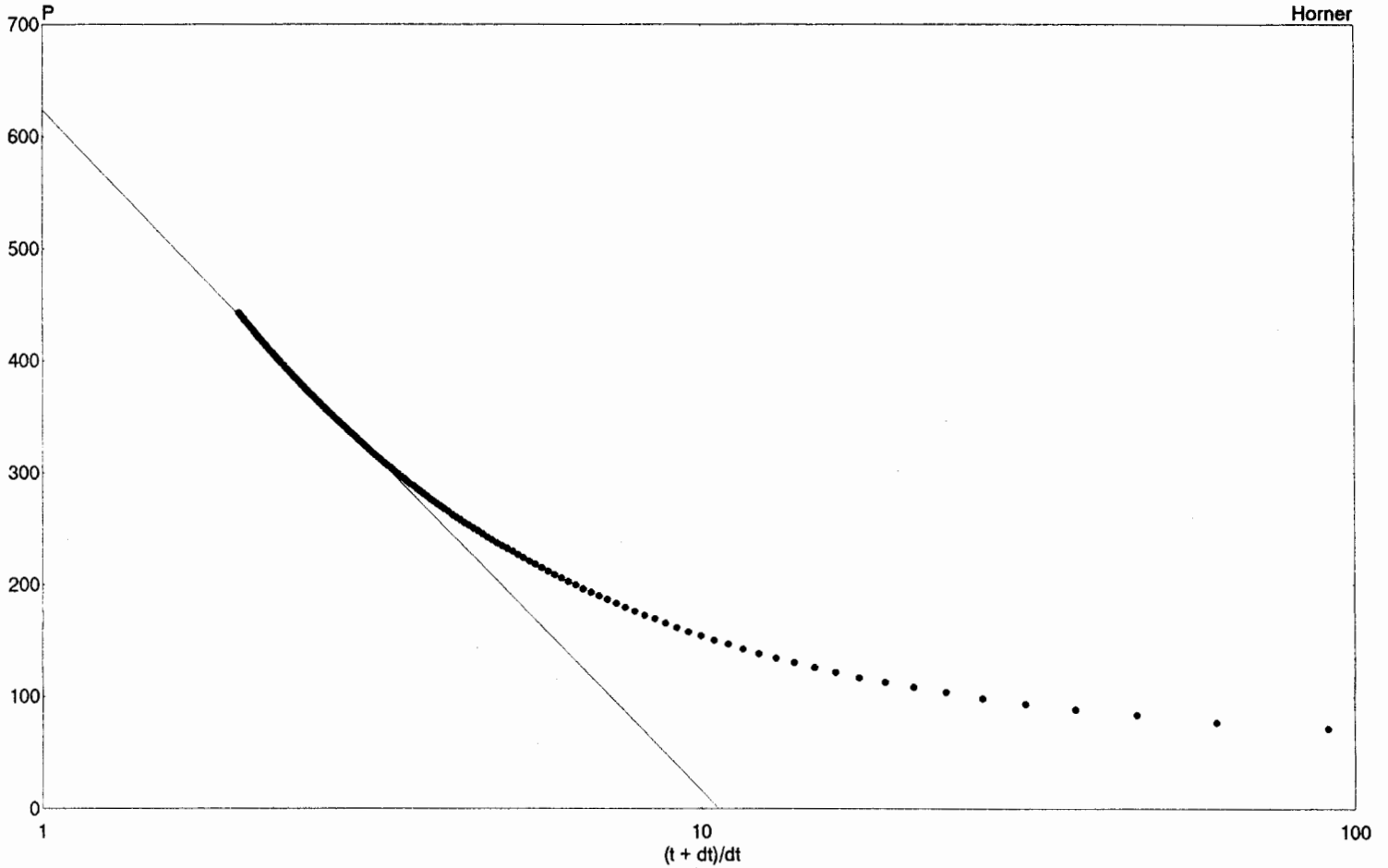
$kh = 0.083771 \text{ md-ft}$

$k = 0.010471 \text{ md}$

Skin = 4.34176

$P^* = 565.37 \text{ psi}$

MTM PETROLEUM, INC MAYER #2 DST #1 FINAL SHUT IN



MTM PETROLEUM, INC MAYER #2 DST #1 FINAL SHUT IN

Analysis Results: Horner

Parameters:

Slope = -607.817

$m(1 \text{ hr}) = 382.144$

Prd Time: = 1.5 hr

Calculated Values:

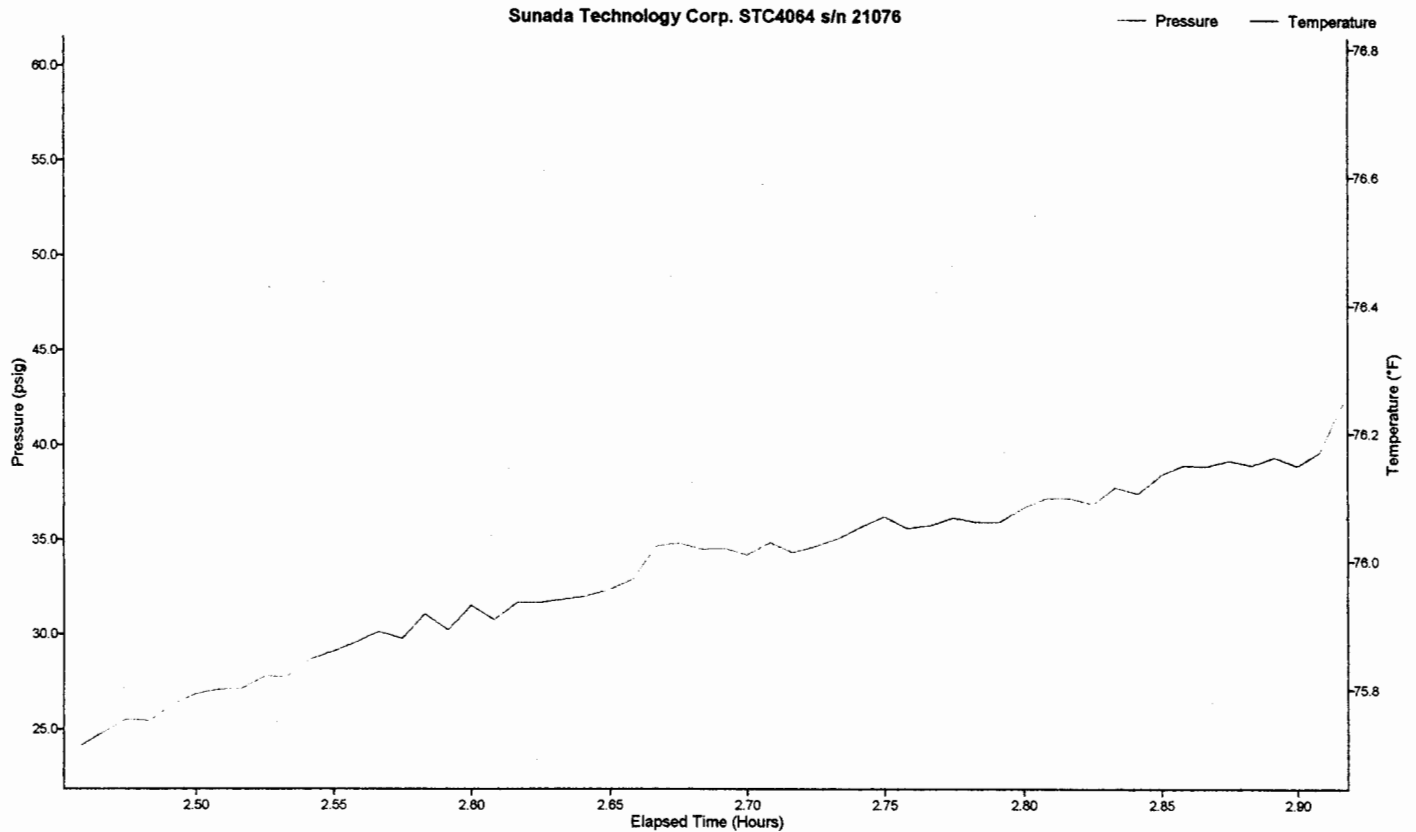
$kh = 0.13373 \text{ md-ft}$

$k = 0.016716 \text{ md}$

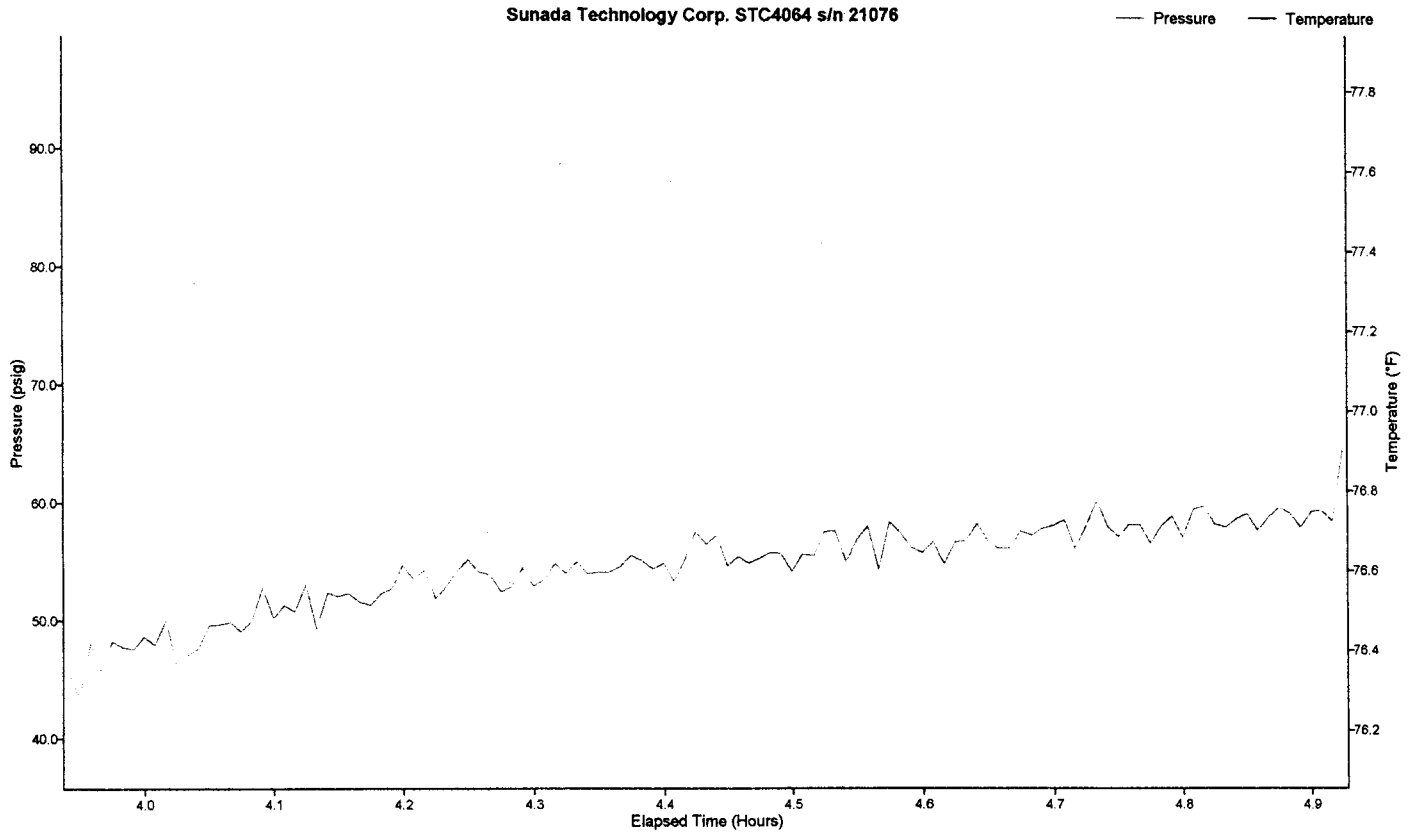
Skin = 4.00939

$P^* = 624.02 \text{ psi}$

Well LSD: DST #1 MISS. 4126'-4170'
Well Name: MAYER 2 DST 1
Company: MTM PETROLEUM INC
Battery on: Jul 14, 2002 at 18:28:00
Notes: INITIAL FLOW

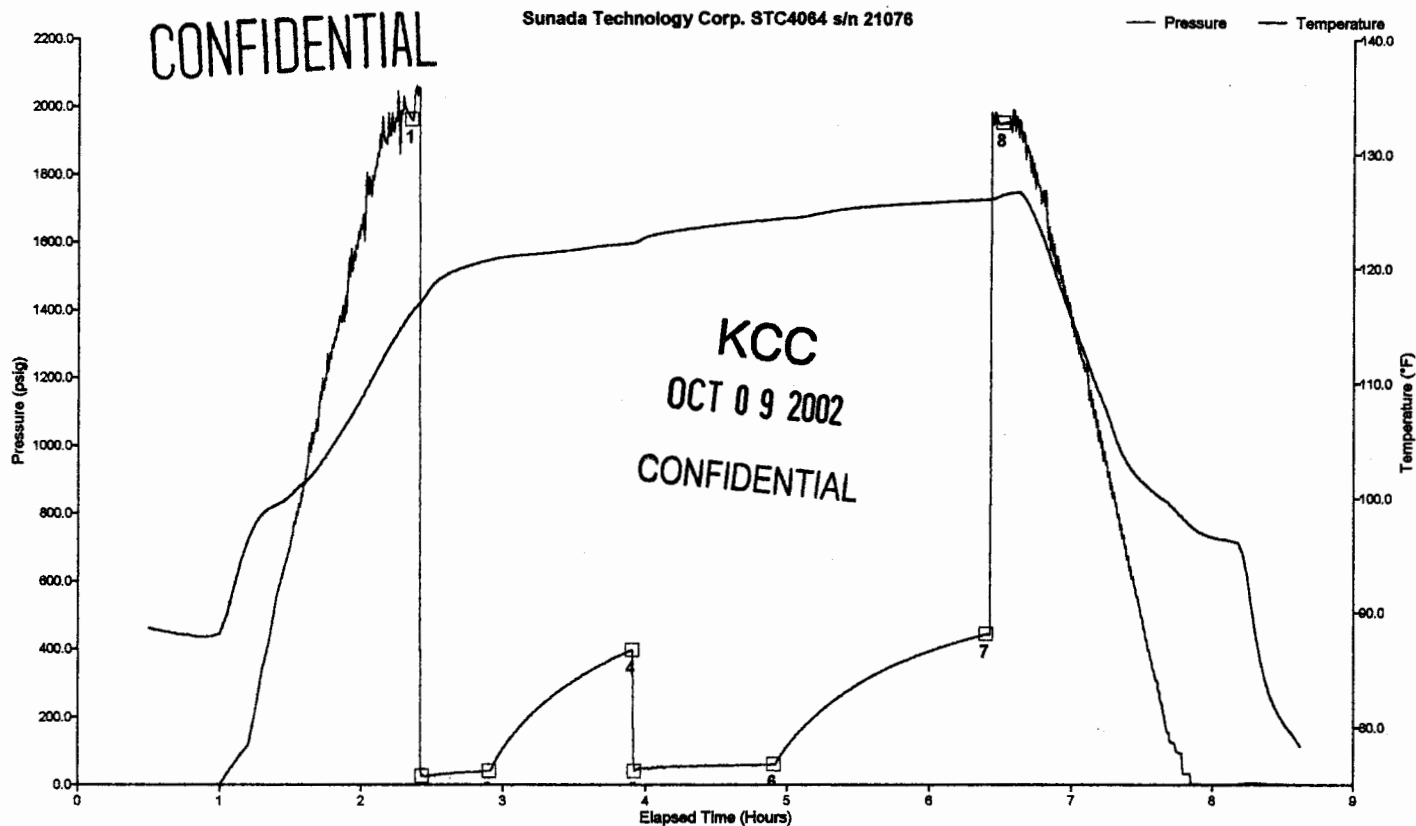


Well LSD: DST #1 MISS. 4126'-4170'
Well Name: MAYER 2 DST 1
Company: MTM PETROLEUM INC
Battery on: Jul 14, 2002 at 18:28:00
Notes: FINAL FLOW



Well LSD: DST #1 MISS. 4126'-4170'
 Well Name: MAYER 2 DST 1
 Company: MTM PETROLEUM INC
 Battery on: Jul 14, 2002 at 18:28:00
 Notes: RECOVERED 70 GCM, WITH 1410' GAS IN PIPE.

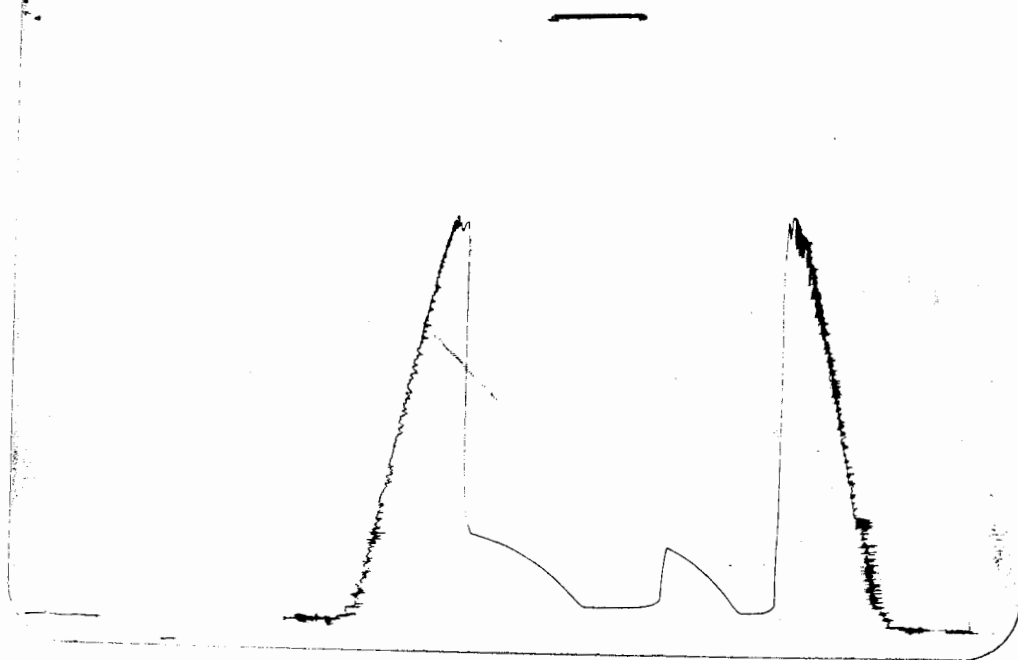
ORIGINAL



Tag	Pressure	Temperature	Comment
1	1961.62 psig	116.14 °F	2002-07-14 20:49:00
2	24.39 psig	117.32 °F	2002-07-14 20:54:00
3	39.62 psig	120.74 °F	2002-07-14 21:22:30
4	396.19 psig	122.23 °F	2002-07-14 22:22:30
5	39.86 psig	122.28 °F	2002-07-14 22:23:30
6	59.26 psig	124.30 °F	2002-07-14 23:22:30
7	442.05 psig	126.01 °F	2002-07-15 00:52:00
8	1954.05 psig	126.44 °F	2002-07-15 00:59:00

DST # 1 Outside 13387
Clock 13392 MISS

4126 - 4170
Loc 4167



This is an actual photograph of recorder chart.

POINT	PRESSURE Elec.	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1962	1962
(B) First Initial Flow Pressure.....	24	24
(C) First Final Flow Pressure	40	40
(D) Initial Closed-in Pressure	396	396
(E) Second Initial Flow Pressure	40	40
(F) Second Final Flow Pressure.....	59	59
(G) Final Closed-in Pressure.....	442	442
(H) Final Hydrostatic Mud	1954	1954

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