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

Company MTM Petroleum, Inc. Lease & Well No. Schwartz "A" No. 1

Elevation 1545 KB Formation Mississippi Effective Pay -- Ft. Ticket No. J1324

Date 1-19-03 Sec. 35 Twp. 29S Range 8W County Kingman State Kansas

Test Approved By Jerry A. Smith Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 4,160 ft. to 4,180 ft. Total Depth 4,180 ft.

Packer Depth 4,155 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,160 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,163 ft. Recorder Number Elec. Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,177 ft. Recorder Number 13556 Cap. 5,475 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

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

Mud Type Chemical Viscosity 46 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.4 Water Loss 9.6 cc. Drill Pipe Length 4,134 ft. I.D. 3 1/2 in.

Chlorides 4,000 P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number 2 Anchor Length 20 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. Gas to surface in 2 mins. into shut-in. (SEE GAS VOLUME REPORT)

2nd Open: Strong blow immediately. Gas to surface throughout. No blow back during shut-in.

Recovered 45 ft. of drilling mud = .333000 bbls.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks

Time Set Packer(s) 2:52 A.M. Time Started Off Bottom 5:52 A.M. Maximum Temperature 115°

Initial Hydrostatic Pressure ..... (A) 2032 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 19 P.S.I. to (C) 23 P.S.I.

Initial Closed In Period ..... Minutes 60 (D) 451 P.S.I.

Final Flow Period ..... Minutes 30 (E) 20 P.S.I. to (F) 29 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 433 P.S.I.

Final Hydrostatic Pressure ..... (H) 2023 P.S.I.

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FLUID SAMPLE DATA

Company MTM Petroleum, Inc.

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Formation Test No. 1 Interval Tested From 4,160 ft. to 4,180 ft. Total Depth 4,180 ft.

Formation Mississippi

	MUD PIT	RECOVERY
Viscosity	46 CP	48 CP
Weight	9.4	9.5
Water Loss	9.6 CC	6.0 CC
PH Factor	10.0	10.0

	RESISTIVITY		CHLORIDE CONTENT
Recovery Water	-- @	-- °F.	-- ppm
Recovery Mud	1.60 @	60 °F.	4,200 ppm
Recovery Mud Filtrate	1.70 @	60 °F.	4,300 ppm
Mud Pit Sample	2.00 @	55 °F.	3,900 ppm
Mud Pit Sample Filtrate	2.10 @	55 °F.	3,700 ppm

Sample Taken By JOHN C. RIEDL

Witness By Jerry A. Smith

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



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GAS VOLUME REPORT

Company MTM Petroleum, Inc. Lease & Well No. Schwartz "A" No. 1

Date 1-19-03 Sec. 35 Twp. 29 S Rge. 8 W Location C W/2 SE County Kingman State KS

Drilling Contractor Duke Drilling Co., Inc. - Rig 2 Formation Mississippi DST No. 1

Remarks: 1st Open: Gas to surface in 2 mins. into shut-in.

2nd Open: Gas to surface throughout.

Gas sample was taken. Gas was lit and burned a steady flame.

INITIAL FLOW

Time O'Clock	Orifice Size	Gauge	CF/D
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	

FINAL FLOW

Open Tool: 4:22 a.m.

Time O'Clock	Orifice Size	Gauge	CF/D
4:32 a.m.	½ in.	23 in.	30,000
4:42 a.m.	½ in.	24 in.	30,700
4:52 a.m.	½ in.	24 in.	30,700

Well LSD: DST 1 MISS 4160-4180
Well Name: SCHWARTZ A 1
Company: MTM PETROLEUM INC
Battery on: Jan 19, 2003 at 00:45:00
Notes: RECOVERY 45' DRILLING MUD

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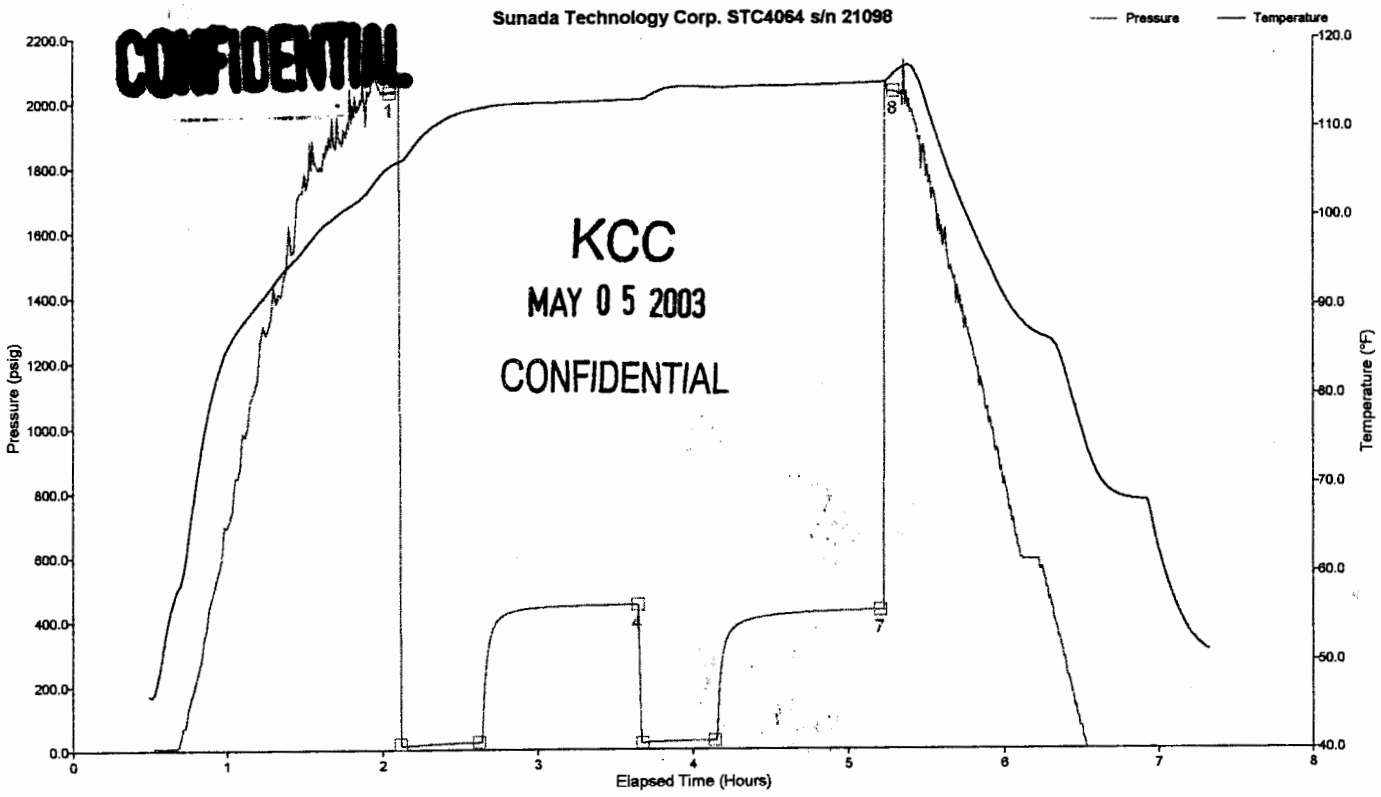

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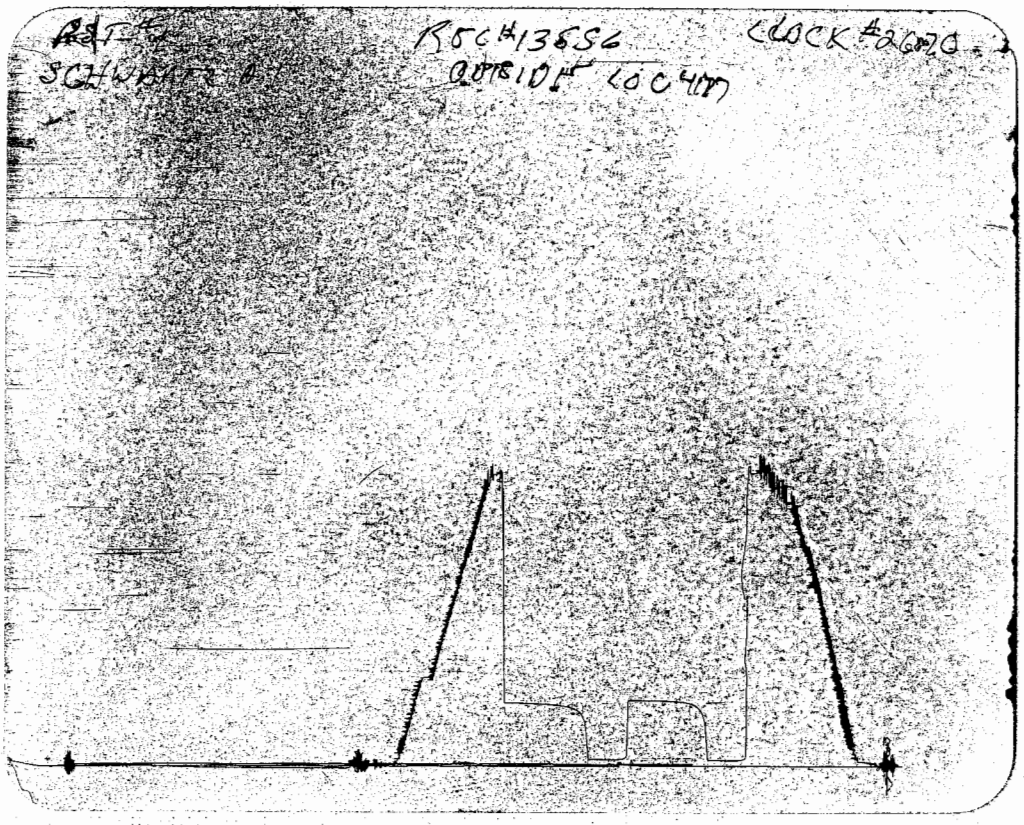
Tag	Pressure	Temperature	Comment
1	2031.57 psig	105.65 °F	2003-01-19 02:48:00
2	18.65 psig	106.26 °F	2003-01-19 02:52:00
3	23.15 psig	112.18 °F	2003-01-19 03:22:30
4	450.80 psig	113.09 °F	2003-01-19 04:24:00
5	20.34 psig	113.15 °F	2003-01-19 04:25:30
6	28.61 psig	114.43 °F	2003-01-19 04:53:30
7	433.17 psig	115.00 °F	2003-01-19 05:57:30
8	2023.89 psig	115.95 °F	2003-01-19 06:02:30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