



DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

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Company Mull Drilling Company, Inc. Lease & Well No. Janke No. 1-5

Elevation 2245 KB Formation Cherokee Sand Effective Pay -- Ft. Ticket No. J1509

Date 5-24-04 Sec. 5 Twp. 18S Range 22W County Ness State Kansas

Test Approved By Roger L. Martin Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 4,117 ft. to 4,240 ft. Total Depth 4,240 ft.

Packer Depth 4,112 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,117 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,126 ft. Recorder Number Elec. Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,237 ft. Recorder Number 13556 Cap. 5,475 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Duke Drilling Co., Inc. - Rig 4 Drill Collar Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 52 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.2 Water Loss 10.8 cc. Drill Pipe Length 4,097 ft. I.D. 3 1/2 in.

Chlorides 4,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number Not Run Anchor Length 123 ft. Size 4 1/2 - FH in.

Did Well Flow? No Reversed Out Yes 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 7 1/2 mins. No blow back during shut-in.

2nd Open: Strong blow. Off bottom of bucket in 9 mins. Weak, 1 1/2 in., blow back during shut-in.

Recovered 250 ft. of gas in pipe

Recovered * 875 ft. of gassy oil & mud cut oil = 12.425000 bbls. (Gravity: 41 @ 60°)

Recovered 125 ft. of gassy mud cut oil = 1.775000 bbls. (Grind out: 30%-gas; 20%-mud; 50%-oil)

Recovered 1,000 ft. of TOTAL FLUID = 14.200000 bbls.

Recovered ft. of

Remarks Tool Sample Grind Out: Clean oil (5%-gas; 95%-oil)

* Reversed out into tank truck.

Pressure readings are from manual recorder 13556.

Time Set Packer(s) 1:28 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 5:28 ~~P.M.~~ ^{A.M.} Maximum Temperature --

Initial Hydrostatic Pressure (A) 2103 P.S.I.

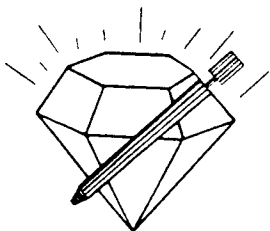
Initial Flow Period 15 Minutes (B) 153 P.S.I. to (C) 164 P.S.I.

Initial Closed In Period 45 Minutes (D) 1352 P.S.I.

Final Flow Period 60 Minutes (E) 246 P.S.I. to (F) 432 P.S.I.

Final Closed In Period 120 Minutes (G) 1357 P.S.I.

Final Hydrostatic Pressure (H) 2054 P.S.I.



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FLUID SAMPLE DATA

Company Mull Drilling Company, Inc.

Lease & Well No. Janke No. 1-5

Date 5-24-04 Sec. 5 Twp. 18 S Range 22 W

Formation Test No. 1 Interval Tested From 4,117 ft. to 4,240 ft. Total Depth 4,240 ft.

Formation Cherokee Sand

	<u>MUD PIT</u>	<u>RECOVERY</u>
Viscosity	<u>52</u> CP	<u>--</u> CP
Weight	<u>9.2</u>	<u>--</u>
Water Loss	<u>10.8</u> CC	<u>--</u> CC
PH Factor	<u>10.5</u>	<u>--</u>

	<u>RESISTIVITY</u>	<u>CHLORIDE CONTENT</u>
Recovery Water	<u>--</u> @ <u>--</u> °F. <u>--</u> ppm	
Recovery Mud	<u>1.20</u> @ <u>80</u> °F. <u>4,300</u> ppm	
Recovery Mud Filtrate	<u>1.20</u> @ <u>82</u> °F. <u>4,300</u> ppm	
Mud Pit Sample	<u>1.40</u> @ <u>70</u> °F. <u>4,400</u> ppm	
Mud Pit Sample Filtrate	<u>1.30</u> @ <u>75</u> °F. <u>4,200</u> ppm	

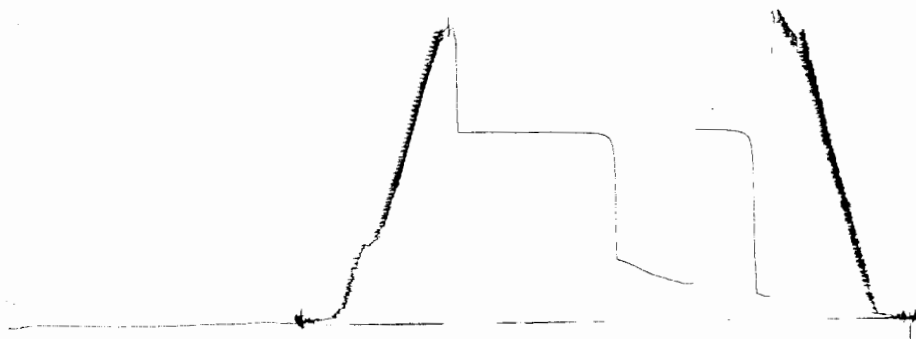
Sample Taken By JOHN C. RIEDL

Witness By Roger L. Martin

Remarks Pit filtrate triton dish chlorides were 4,000 Ppm.
Recovery filtrate triton dish chlorides were 4,200 Ppm.

REC #13886 OUTSIDE DST #1

JANKE 1-5



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	2103	2103
(B) First Initial Flow Pressure.....	153	153
(C) First Final Flow Pressure	164	164
(D) Initial Closed-in Pressure	1352	1352
(E) Second Initial Flow Pressure	246	246
(F) Second Final Flow Pressure.....	432	432
(G) Final Closed-in Pressure.....	1357	1357
(H) Final Hydrostatic Mud	2054	2054

PSI

PSI

PSI

PSI

PSI

PSI

PSI

PSI