

15-151-22215

27-265-11w



DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 21098.D103

Company L. D. Drilling, Inc. Lease & Well No. Moore No. 1-27
Elevation 1823 KB Formation Viola Effective Pay -- Ft. Ticket No. 1992
Date 4-24-05 Sec. 27 Twp. 26S Range 11W County Pratt State Kansas

Test Approved By Kim Shoemaker Diamond Representative Roger D. Friedly

Formation Test No. 1 Interval Tested from 4,280 ft. to 4,301 ft. Total Depth 4,301 ft.
Packer Depth 4,275 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 4,280 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.
Top Recorder Depth (Inside) 4,261 ft. Recorder Number 21098 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 4,298 ft. Recorder Number 13387 Cap. 4,000 psi
Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. -- psi

Drilling Contractor Forrest Energy, LLC - Rig 8 Drill Collar Length 233 ft. I.D. 2 1/4 in.
Mud Type Chemical Viscosity 55 Weight Pipe Length -- ft. I.D. -- in.
Weight 9.6 Water Loss 12.8 cc. Drill Pipe Length 4,015 ft. I.D. 3 1/2 in.
Chlorides 5,200 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2 - IF in.
Jars: Make Bowen Serial Number No. 1 Anchor Length 21 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 11 mins. No blow back during shut-in.
2nd Open: Strong blow. Off bottom of bucket immediately. No blow back during shut-in.

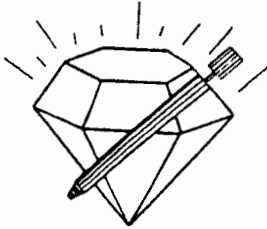
Recovered 88 ft. of slightly gassy & water cut mud = .432960 bbls. (Grind out: 10%-gas; 16%-water; 74%-mud)
Recovered 58 ft. of slightly gassy & mud cut water = .285360 bbls. (Grind out: 10%-gas; 42%-mud; 48%-water)
Recovered 146 ft. of TOTAL FLUID = .718320 bbls.

Recovered -- ft. of --

Recovered -- ft. of --

Remarks Tool Sample Grind Out: Blew out. (Trace of oil.)

Time Set Packer(s) 9:19 A.M. Time Started Off Bottom 12:19 P.M. Maximum Temperature 127°
Initial Hydrostatic Pressure (A) 2053 P.S.I.
Initial Flow Period Minutes 30 (B) 29 P.S.I. to (C) 36 P.S.I.
Initial Closed In Period Minutes 45 (D) 1051 P.S.I.
Final Flow Period Minutes 45 (E) 28 P.S.I. to (F) 76 P.S.I.
Final Closed In Period Minutes 60 (G) 1049 P.S.I.
Final Hydrostatic Pressure (H) 2018 P.S.I.



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FLUID SAMPLE DATA

Company L. D. Drilling, Inc.

Lease & Well No. Moore No. 1-27

Date 4-24-05 Sec. 27 Twp. 26 S Range 11 W

Formation Test No. 1 Interval Tested From 4,280 ft. to 4,301 ft. Total Depth 4,301 ft.

Formation Viola

	<u>MUD PIT</u>	<u>RECOVERY</u>	<u>BOTTOM RECOVERY</u>
Viscosity	<u>55</u> CP	<u>44</u> CP	
Weight	<u>9.6</u>	<u>9.3</u>	
Water Loss	<u>12.8</u> CC	<u>17.2</u> CC	<u>48.0</u> CC
PH Factor	<u>10.0</u>	<u>8.0</u>	<u>7.0</u>

	<u>RESISTIVITY</u>	<u>CHLORIDE CONTENT</u>
Recovery Water	<u>.31 @ 76 °F.</u>	<u>20,000 ppm</u>
Recovery Mud	<u>.65 @ 78 °F.</u>	<u>9,000 ppm</u>
Recovery Mud Filtrate	<u>.68 @ 76 °F.</u>	<u>8,000 ppm</u>
Mud Pit Sample	<u>.86 @ 70 °F.</u>	<u>7,400 ppm</u>
Mud Pit Sample Filtrate	<u>.90 @ 72 °F.</u>	<u>6,800 ppm</u>

Sample Taken By ROGER D. FRIEDLY

Witness By KIM SHOEMAKER

Remarks Pit filtrate triton dish chlorides were 5,200 Ppm.
Recovery filtrate triton dish chlorides were 6,500 Ppm.
Recovery water dish chlorides were 16,000 Ppm.



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GAS VOLUME REPORT

Company L. D. Drilling, Inc. Lease & Well No. Moore No. 1-27
 Date 4-24-05 Sec. 27 Twp. 26 S Rge. 11 W Location 110' S, C SE NE NE County Pratt State KS
 Drilling Contractor Forrest Energy, LLC - Rig 8 Formation Viola DST No. 1
 Remarks: 1st Open: Gas to surface in 11 mins. Burned nicely.

INITIAL FLOW

Open Tool: 9:19 a.m.

Time O'Clock	Orifice Size	Gauge	MCF/D
9:34 a.m.	½ in.	½ psi	30,350
9:39 a.m.	½ in.	1 psi	33,900
9:44 a.m.	½ in.	1½ psi	37,450
9:49 a.m.	½ in.	1½ psi	37,450

FINAL FLOW

Open Tool: 10:34 a.m.

Time O'Clock	Orifice Size	Gauge	MCF/D
10:39 a.m.	½ in.	8½ psi	28,000
10:44 a.m.	½ in.	15 psi	39,200
10:49 a.m.	½ in.	18 psi	43,900
10:54 a.m.	½ in.	20 psi	47,100
10:59 a.m.	½ in.	22 psi	50,200
11:04 a.m.	½ in.	24 psi	53,200
11:09 a.m.	½ in.	25 psi	54,700
11:14 a.m.	½ in.	26 psi	56,300
11:19 a.m.	½ in.	27 psi	57,700

GENERAL INFORMATION

Client Information:

Company: L.D. DRILLING, INC.

Contact: L.D. DAVIS

Phone: Fax: e-mail:

Site Information:

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

Well Information:

Name: MOORE #1-27

Operator: L.D. DRILLING, INC.

Location-Downhole: DST #1 VIOLA 4,280' - 43,01'

Location-Surface: SEC 27-26S-11W PRATT COUNTY

Test Information:

Company: DIAMOND TESTING

Representative: ROGER D. FRIEDLY

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL Job Number:

Test Unit: NO. 1

Start Date: 2005/04/24 Start Time: 04:14:00

End Date: 2005/04/24 End Time: 14:43:00

Report Date: Prepared By:

Remarks: Qualified By:

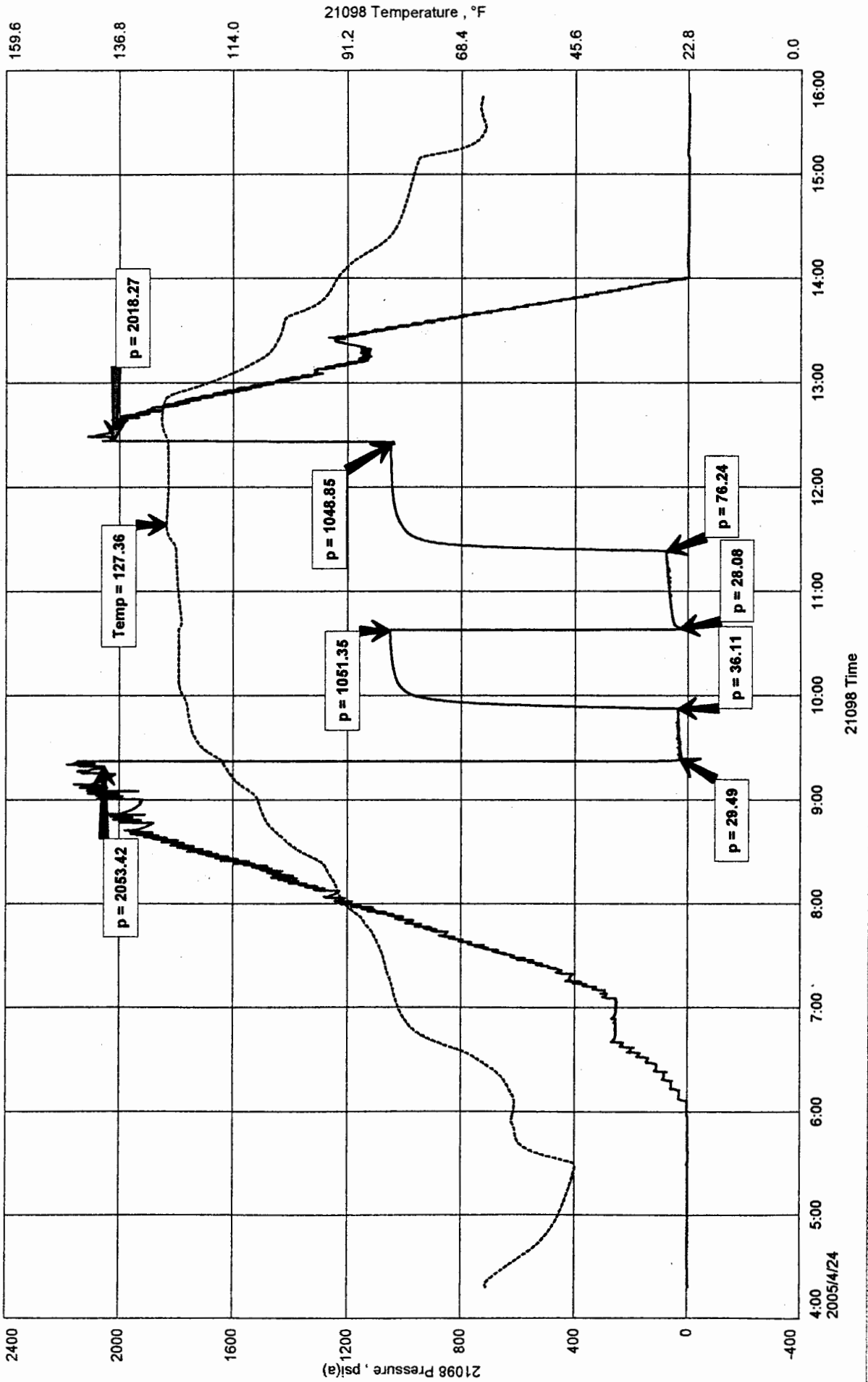
RECOVERED: GAS TO SURFACE IN 11 MIN. (SEE GAS REPORT)
88' SLT G&WCM 10% GAS, 16% WTR, 74% MUD
58' SLTG &MCW 10% GAS, 42% MUD, 48% WTR
146' TOTAL FLUID

TOOL SAMPLE: BLEW OUT- TRACES OF OIL

L.D. DRILLING, INC.
DST #1 VIOLA 4,280' - 43,01'
Start Test Date: 2005/04/24
Final Test Date: 2005/04/24

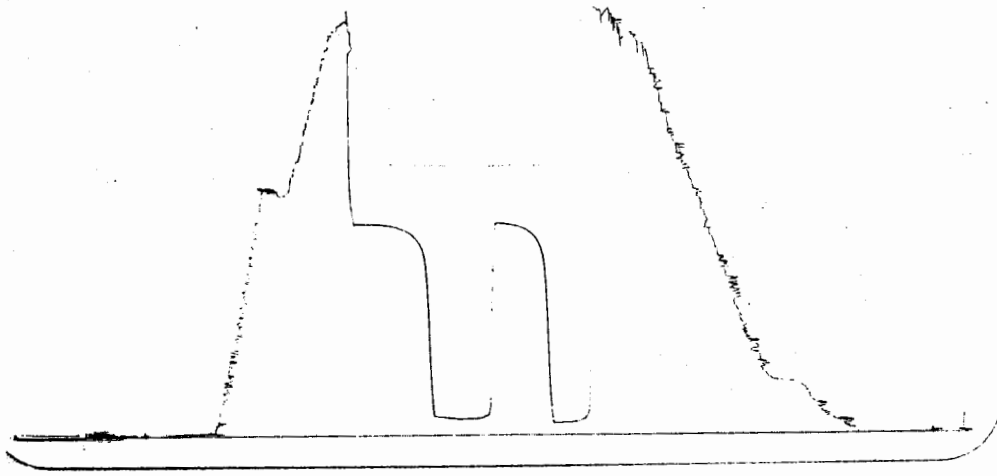
MOORE #1-27
Formation: DST #1 VIOLA 4,280' - 4,301'
Pool: WILDCAT

MOORE #1-27



DST# (outside) - 1358
Violc

4280-4301
LOC 4298



This is an actual photograph of recorder chart.

POINT	PRESSURE Elec.		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2053	2053	PSI
(B) First Initial Flow Pressure.....	29	29	PSI
(C) First Final Flow Pressure	36	36	PSI
(D) Initial Closed-in Pressure	1051	1051	PSI
(E) Second Initial Flow Pressure	28	28	PSI
(F) Second Final Flow Pressure.....	76	76	PSI
(G) Final Closed-in Pressure.....	1049	1049	PSI
(H) Final Hydrostatic Mud	2018	2018	PSI