



15-185-23313

15-225-14w

DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 21083.D68

Company L. D. Drilling, Inc. Lease & Well No. Morton No. 1
Elevation 1942 KB Formation Lansing/Kansas City "B" - "E" Effective Pay -- Ft. Ticket No. J1659
Date 4-22-05 Sec. 15 Twp. 22S Range 14W County Stafford State Kansas
Test Approved By Kim Shoemaker Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 3,471 ft. to 3,515 ft. Total Depth 3,515 ft.
Packer Depth 3,466 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 3,471 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 3,476 ft. Recorder Number 21083 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 3,512 ft. Recorder Number 11073 Cap. 4,000 psi
Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. -- psi

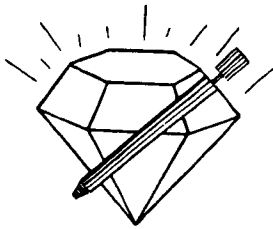
Drilling Contractor Southwind Drilling, Inc. - Rig 2 Drill Collar Length -- ft. I.D. -- in.
Mud Type Chemical Viscosity 53 Weight Pipe Length -- ft. I.D. -- in.
Weight 8.8 Water Loss 9.2 cc. Drill Pipe Length 3,451 ft. I.D. 3 1/2 in.
Chlorides 2,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.
Jars: Make Bowen Serial Number Not Run Anchor Length 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: Weak blow. Dead in 10 mins.
2nd Open: Weak blow. Dead in 2 mins.

Recovered 20 ft. of oil specked drilling mud = .284000 bbls.
Recovered -- ft. of --
Recovered -- ft. of --
Recovered -- ft. of --
Recovered -- ft. of --

Remarks

Time Set Packer(s) 7:10 AM P.M. Time Started Off Bottom 9:10 AM P.M. Maximum Temperature 98°
Initial Hydrostatic Pressure (A) 1652 P.S.I.
Initial Flow Period Minutes 30 (B) 22 P.S.I. to (C) 25 P.S.I.
Initial Closed In Period Minutes 30 (D) 117 P.S.I.
Final Flow Period Minutes 30 (E) 22 P.S.I. to (F) 26 P.S.I.
Final Closed In Period Minutes 30 (G) 74 P.S.I.
Final Hydrostatic Pressure (H) 1615 P.S.I.



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FLUID SAMPLE DATA

Company L. D. Drilling, Inc.
 Lease & Well No. Morton No. 1
 Date 4-22-05 Sec. 15 Twp. 22 S Range 14 W
 Formation Test No. 1 Interval Tested From 3,471 ft. to 3,515 ft. Total Depth 3,515 ft.
 Formation Lansing/Kansas City "B" - "F"

	<u>MUD PIT</u>	<u>RECOVERY</u>
Viscosity	<u>53</u> CP	<u>48</u> CP
Weight	<u>8.8</u>	<u>9.0</u>
Water Loss	<u>9.2</u> CC	<u>8.0</u> CC
PH Factor	<u>11.0</u>	<u>10.5</u>

	<u>RESISTIVITY</u>	<u>CHLORIDE CONTENT</u>
Recovery Water	<u>-- @ -- °F.</u>	<u>-- ppm</u>
Recovery Mud	<u>-- @ -- °F.</u>	<u>-- ppm</u>
Recovery Mud Filtrate	<u>3.10 @ 60 °F.</u>	<u>2,300 ppm</u>
Mud Pit Sample	<u>3.00 @ 70 °F.</u>	<u>2,000 ppm</u>
Mud Pit Sample Filtrate	<u>3.00 @ 70 °F.</u>	<u>2,000 ppm</u>

Sample Taken By JOHN C. RIEDL

Witness By KIM SHOEMAKER

Remarks Pit filtrate triton dish chlorides were 2,000 Ppm.
Recovery filtrate triton dish chlorides were 2,500 Ppm.

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: MORTON #1

Operator: L D DRILLING INC

Location-Downhole: DST #1 3471-3515

Location-Surface: S15/22S/14W STAFFORD COUNTY

Test Information:

Company: DIAMOND RESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL Job Number: D69

Test Unit: 2

Start Date: 2005/04/22 Start Time: 17:35:00

End Date: 2005/04/22 End Time: 22:53:00

Report Date: 2005/04/22 Prepared By: JOHN RIEDL

Qualified By: KIM SHOEMAKER

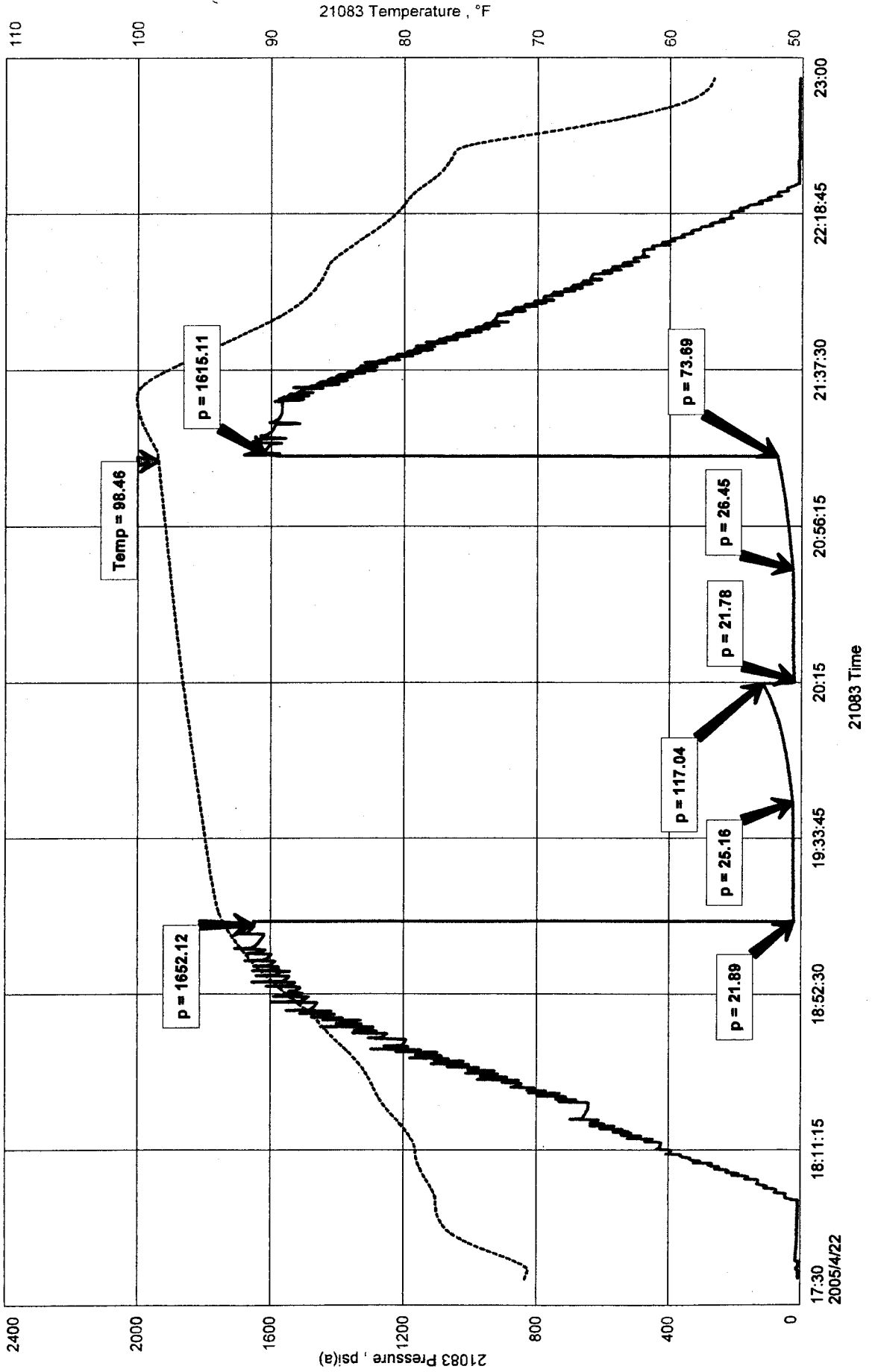
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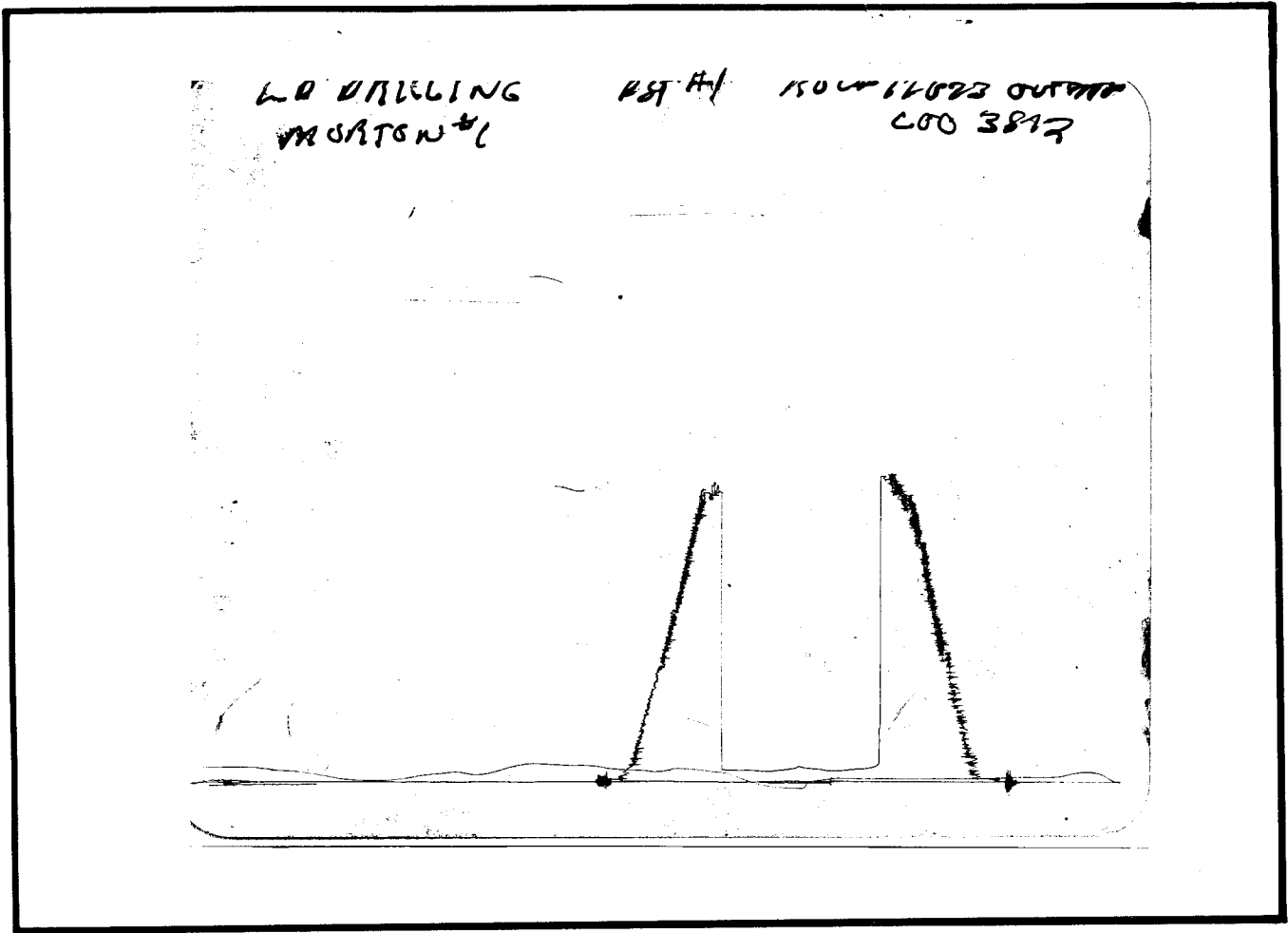
RECOVERY: 20' OIL SPECKED DRILLING MUD

MORTON #1
Formation: LKC "B/E"
Job Number: D69

L D DRILLING INC
DST #1 3471-3515
Start Test Date: 2005/04/22
Final Test Date: 2005/04/22

MORTON #1





This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec. Office Reading	PSI
	Field Reading			
(A) Initial Hydrostatic Mud	1652	1652		PSI
(B) First Initial Flow Pressure.....	22	22		PSI
(C) First Final Flow Pressure	25	25		PSI
(D) Initial Closed-in Pressure	117	117		PSI
(E) Second Initial Flow Pressure	22	22		PSI
(F) Second Final Flow Pressure.....	26	26		PSI
(G) Final Closed-in Pressure.....	74	74		PSI
(H) Final Hydrostatic Mud	1615	1615		PSI



DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC 21083.D70

Company L. D. Drilling, Inc. Lease & Well No. Morton No. 1
Elevation 1942 KB Formation Lansing/Kansas City "H" Effective Pay -- Ft. Ticket No. J1660
Date 4-23-05 Sec. 15 Twp. 22S Range 14W County Stafford State Kansas
Test Approved By Kim Shoemaker Diamond Representative John C. Riedl

Formation Test No. 2 Interval Tested from 3,573 ft. to 3,600 ft. Total Depth 3,600 ft.
Packer Depth 3,568 ft. Size 63/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 3,573 ft. Size 63/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,576 ft. Recorder Number 21083 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 3,597 ft. Recorder Number 11073 Cap. 4,000 psi
Below Straddle Recorder Depth ft. Recorder Number Cap. psi

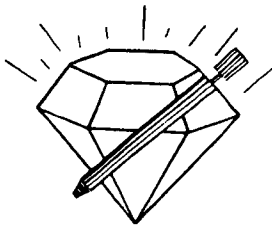
Drilling Contractor Southwind Drilling, Inc. - Rig 2 Drill Collar Length -- ft. I.D. -- in.
Mud Type Chemical Viscosity 70 Weight Pipe Length -- ft. I.D. -- in.
Weight 9.1 Water Loss 9.6 cc. Drill Pipe Length 3,553 ft. I.D. 3 1/2 in.
Chlorides 6,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.
Jars: Make Bowen Serial Number Not Run Anchor Length 27 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 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Weak surface blow throughout.
2nd Open: Weak blow. Dead in 18 mins.

Recovered 25 ft. of drilling mud = .355000 bbls.
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of

Remarks

Time Set Packer(s) 11:20 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 1:20 ~~P.M.~~ ^{A.M.} Maximum Temperature 98°
Initial Hydrostatic Pressure (A) 1721 P.S.I.
Initial Flow Period Minutes 30 (B) 28 P.S.I. to (C) 31 P.S.I.
Initial Closed In Period Minutes 30 (D) 551 P.S.I.
Final Flow Period Minutes 30 (E) 31 P.S.I. to (F) 36 P.S.I.
Final Closed In Period Minutes 30 (G) 106 P.S.I.
Final Hydrostatic Pressure (H) 1680 P.S.I.



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Page 2 of 3 Pages

FLUID SAMPLE DATA

Company L. D. Drilling, Inc.
Lease & Well No. Morton No. 1
Date 4-23-05 Sec. 15 Twp. 22 S Range 14 W
Formation Test No. 2 Interval Tested From 3,573 ft. to 3,600 ft. Total Depth 3,600 ft.
Formation Lansing/Kansas City "H"

	<u>MUD PIT</u>	<u>RECOVERY</u>
Viscosity	<u>70</u> CP	<u>76</u> CP
Weight	<u>9.1</u>	<u>9.0</u>
Water Loss	<u>9.6</u> CC	<u>10.0</u> CC
PH Factor	<u>9.5</u>	<u>9.0</u>

	<u>RESISTIVITY</u>	<u>CHLORIDE CONTENT</u>
Recovery Water	<u>-- @ -- °F.</u>	<u>-- ppm</u>
Recovery Mud	<u>-- @ -- °F.</u>	<u>-- ppm</u>
Recovery Mud Filtrate	<u>1.00 @ 60 °F.</u>	<u>7,000 ppm</u>
Mud Pit Sample	<u>-- @ -- °F.</u>	<u>-- ppm</u>
Mud Pit Sample Filtrate	<u>1.50 @ 58 °F.</u>	<u>5,900 ppm</u>

Sample Taken By JOHN C. RIEDL

Witness By KIM SHOEMAKER

Remarks Pit filtrate triton dish chlorides were 6,000 Ppm.
Recovery filtrate triton dish chlorides were 7,000 Ppm.

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: MORTON #1

Operator: L D DRILLING INC

Location-Downhole: DST #2 3573-3600

Location-Surface: S15/22S/14W STAFFORD COUNTY

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL

Job Number: D70

Test Unit: 2

Start Date: 2005/04/23

Start Time: 09:57:00

End Date: 2005/04/23

End Time: 14:46:00

Report Date: 2005/04/23

Prepared By: JOHN RIEDL

Remarks:

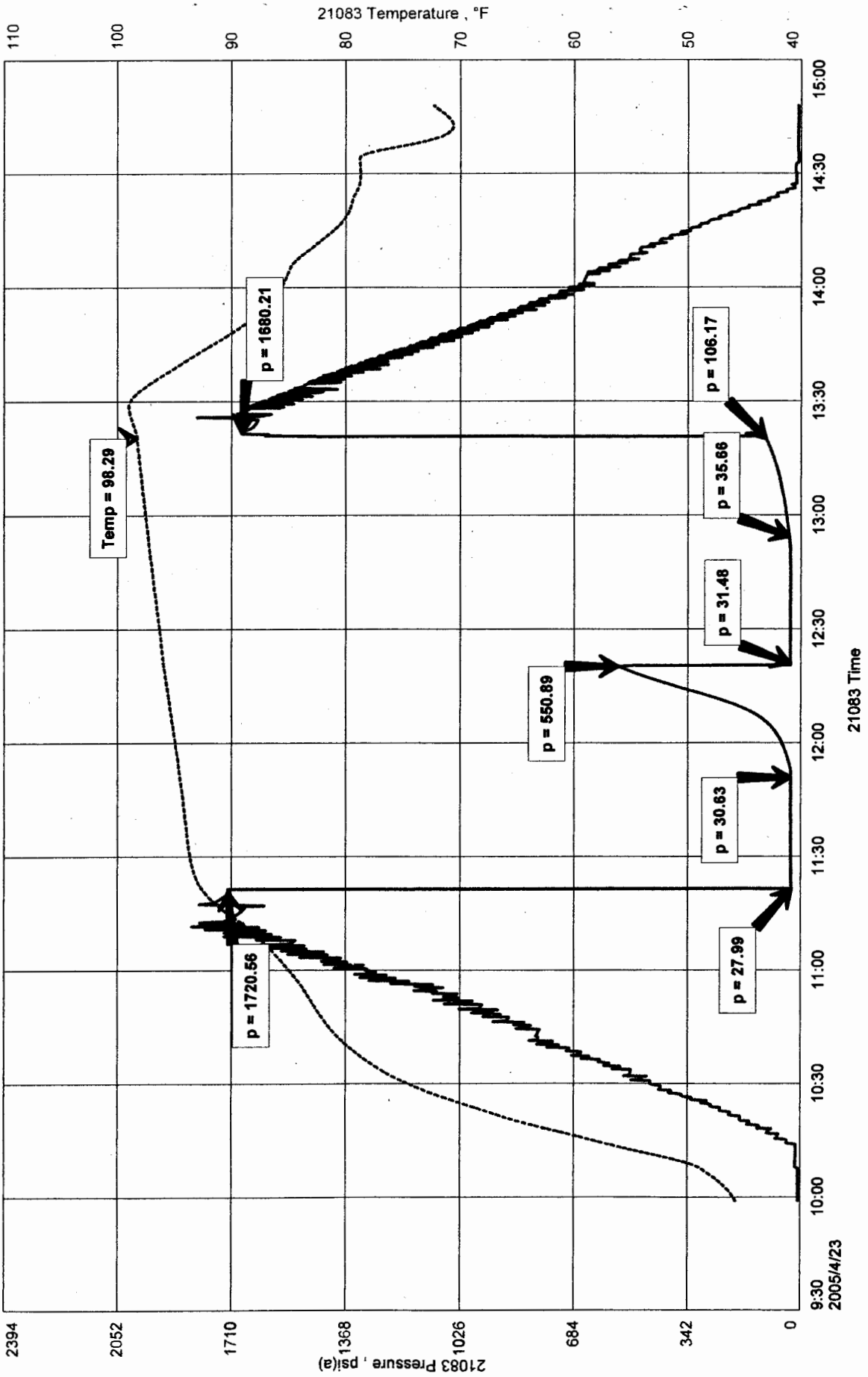
Qualified By: KIM SHOEMAKER

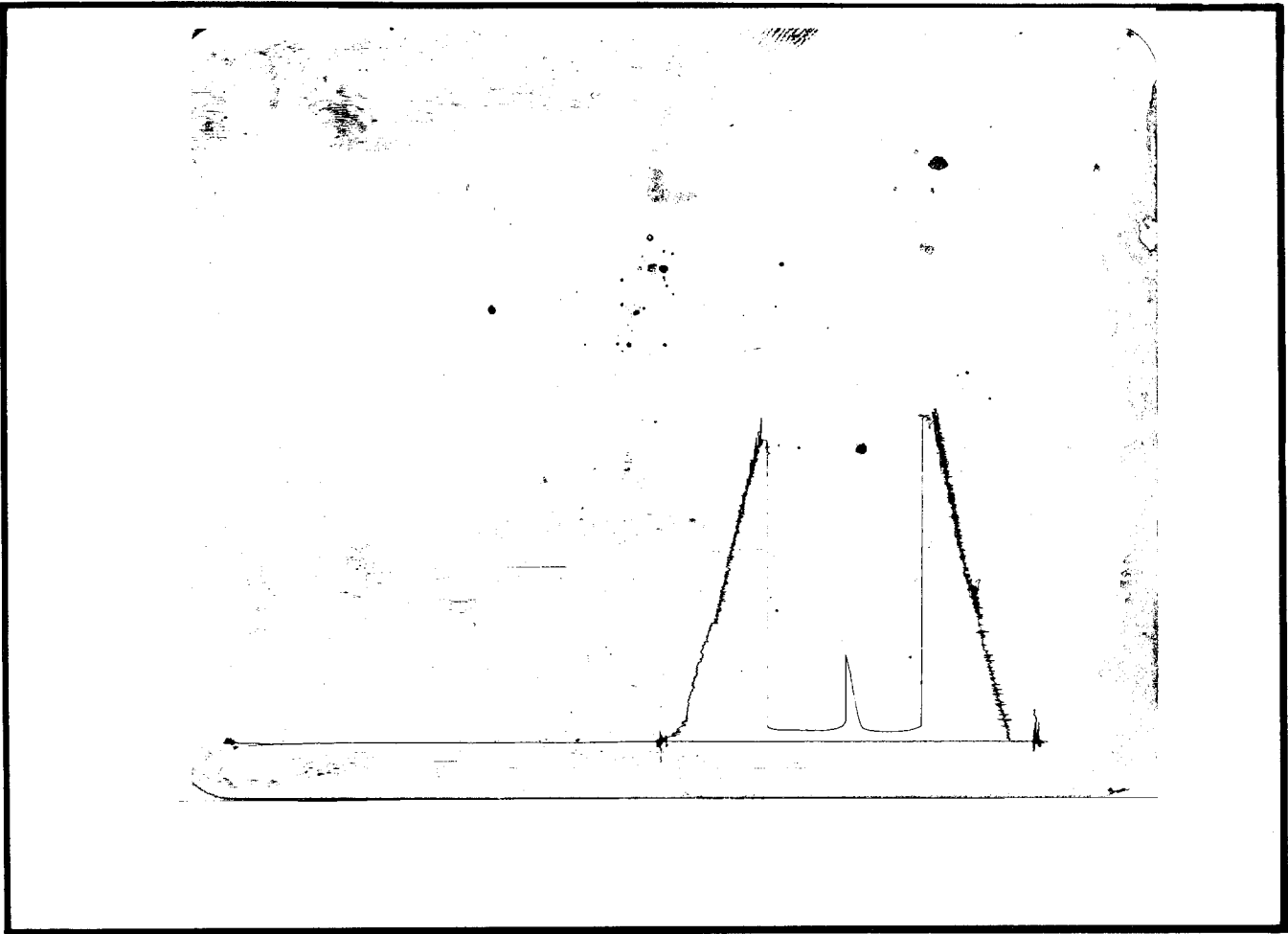
RECOVERY: 25' DRILLING MUD

MORTON #1
Formation: LKC "H"
Job Number: D70

L D DRILLING INC
DST #2 3573-3600
Start Test Date: 2005/04/23
Final Test Date: 2005/04/23

MORTON #1





This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec. Office Reading	PSI
	Field Reading			
(A) Initial Hydrostatic Mud	1721	1721		PSI
(B) First Initial Flow Pressure.....	28	28		PSI
(C) First Final Flow Pressure	31	31		PSI
(D) Initial Closed-in Pressure	551	551		PSI
(E) Second Initial Flow Pressure.....	31	31		PSI
(F) Second Final Flow Pressure.....	36	36		PSI
(G) Final Closed-in Pressure.....	106	106		PSI
(H) Final Hydrostatic Mud.....	1680	1680		PSI

COMPANY NO. TEST NO. DATE
 LEASE AND WELL NO.



DIAMOND TESTING

P.O. Box 157
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STC 21083.D71

Company L. D. Drilling, Inc. Lease & Well No. Morton No. 1
Elevation 1942 KB Formation Lansing/Kansas City "I" - "J" Effective Pay -- Ft. Ticket No. J1661
Date 4-24-05 Sec. 15 Twp. 22S Range 14W County Stafford State Kansas
Test Approved By Kim Shoemaker Diamond Representative John C. Riedl

Formation Test No. 3 Interval Tested from 3,598 ft. to 3,633 ft. Total Depth 3,633 ft.
Packer Depth 3,593 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 3,598 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,601 ft. Recorder Number 21083 Cap. 5,000 psi
Bottom Recorder Depth (Outside) 3,630 ft. Recorder Number 11073 Cap. 4,000 psi
Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Southwind Drilling, Inc. - Rig 2 Drill Collar Length -- ft. I.D. -- in.
Mud Type Chemical Viscosity 60 Weight Pipe Length -- ft. I.D. -- in.
Weight 9.0 Water Loss 8.0 cc. Drill Pipe Length 3,578 ft. I.D. 3 1/2 in.
Chlorides 7,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.
Jars: Make Bowen Serial Number Not Run Anchor Length 35 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: Fair, 3 in., blow. No blow back during shut-in.
2nd Open: Fair, 3 in., blow. No blow back during shut-in.

Recovered 75 ft. of very slightly oil cut watery mud = 1.065000 bbls. (Grind out: 1%-oil; 35%-water; 64%-mud)
Recovered ft. of Chlorides: 35,000 Ppm
Recovered ft. of
Recovered ft. of
Recovered ft. of

Remarks

Time Set Packer(s) 12:10 ~~PM~~ ^{A.M.} Time Started Off Bottom 3:10 ~~PM~~ ^{A.M.} Maximum Temperature 104°
Initial Hydrostatic Pressure (A) 1737 P.S.I.
Initial Flow Period Minutes 30 (B) 24 P.S.I. to (C) 36 P.S.I.
Initial Closed In Period Minutes 45 (D) 845 P.S.I.
Final Flow Period Minutes 45 (E) 44 P.S.I. to (F) 53 P.S.I.
Final Closed In Period Minutes 60 (G) 799 P.S.I.
Final Hydrostatic Pressure (H) 1663 P.S.I.



DIAMOND TESTING
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HOISINGTON, KANSAS 67544
 (620) 653-7550 • (800) 542-7313

FLUID SAMPLE DATA

Company L. D. Drilling, Inc.

Lease & Well No. Morton No. 1

Date 4-24-05 Sec. 15 Twp. 22 S Range 14 W

Formation Test No. 3 Interval Tested From 3,598 ft. to 3,633 ft. Total Depth 3,633 ft.

Formation Lansing/Kansas City "I" - "K"

	MUD PIT	RECOVERY	
Viscosity	<u>60</u> CP	<u>--</u> CP	
Weight	<u>9.0</u>	<u>--</u>	
Water Loss	<u>8.0</u> CC	<u>--</u> CC	
PH Factor	<u>10.0</u>	<u>--</u>	Water <u>8.0</u>

	RESISTIVITY	CHLORIDE CONTENT
Recovery Water	<u>-- @ -- °F.</u>	<u>-- ppm</u>
Recovery Mud	<u>-- @ -- °F.</u>	<u>-- ppm</u>
Recovery Mud Filtrate	<u>-- @ -- °F.</u>	<u>-- ppm</u>
Mud Pit Sample	<u>-- @ -- °F.</u>	<u>-- ppm</u>
Mud Pit Sample Filtrate	<u>1.00 @ 55 °F.</u>	<u>8,000 ppm</u>

Sample Taken By JOHN C. RIEDL

Witness By KIM SHOEMAKER

Remarks Pit filtrate triton dish chlorides were 7,000 Ppm.
Recovery water dish chlorides were 35,000 Ppm.

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: MORTON #1

Operator: L D DRILLING INC

Location-Downhole: DST#3 3598-3633

Location-Surface: S15/22S/14W STAFFORD COUNTY

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL Job Number: D71

Test Unit: 2

Start Date: 2005/04/28 Start Time: 22:48:00

End Date: 2005/04/29 End Time: 04:46:00

Report Date: 2005/04/29 Prepared By: JOHN RIEDL

Qualified By: KIM SHOEMAKER

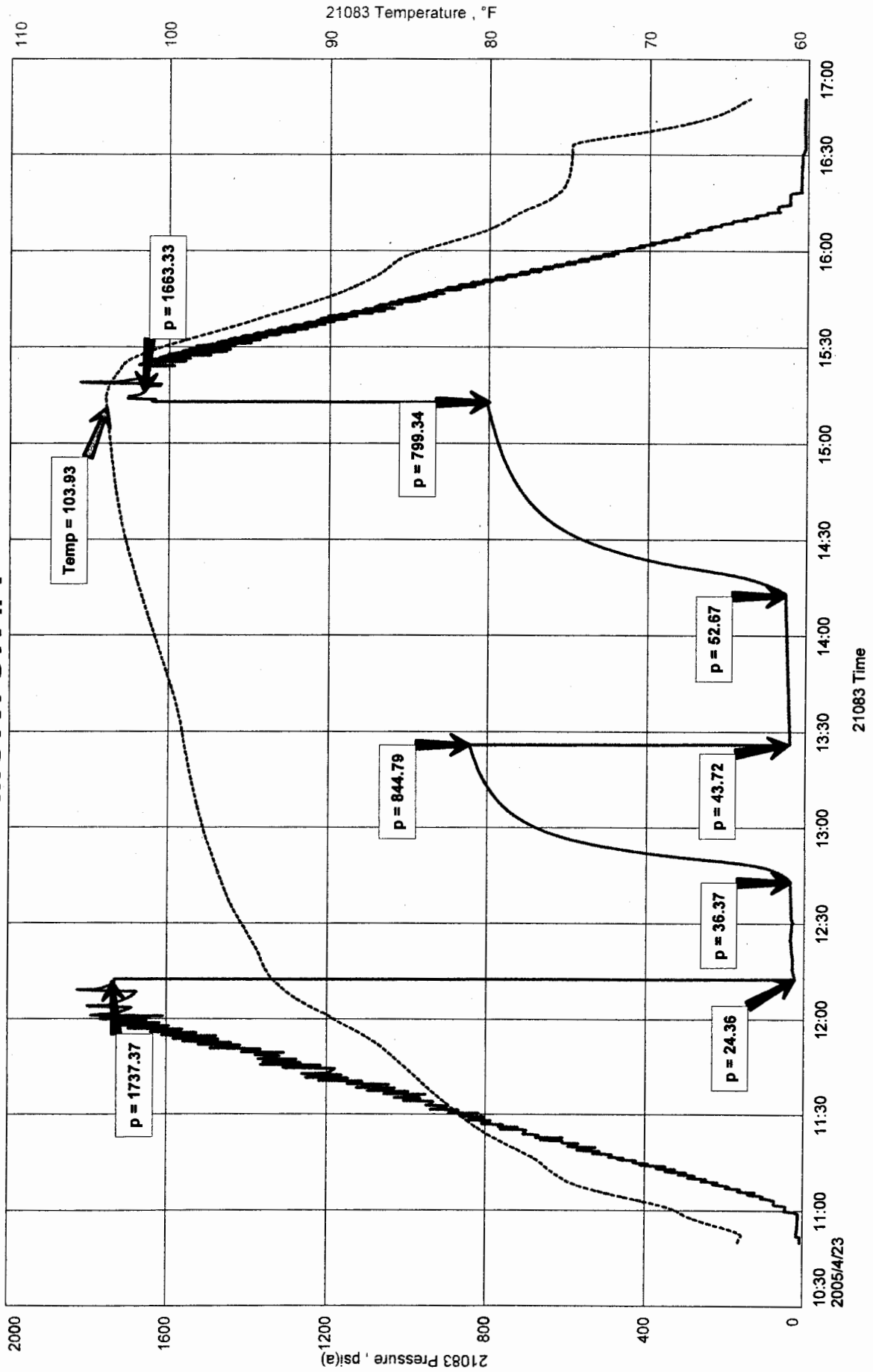
Remarks:

RECOVERY 75' VSLOCWM {1%OIL 35%WATER 64%MUD) CHLORIDES 35,000Ppm

L D DRILLING INC
DST#3 3598-3633
Start Test Date: 2005/04/23
Final Test Date: 2005/04/23

MORTON #1
Formation: LKC "I+J"
Job Number: D71

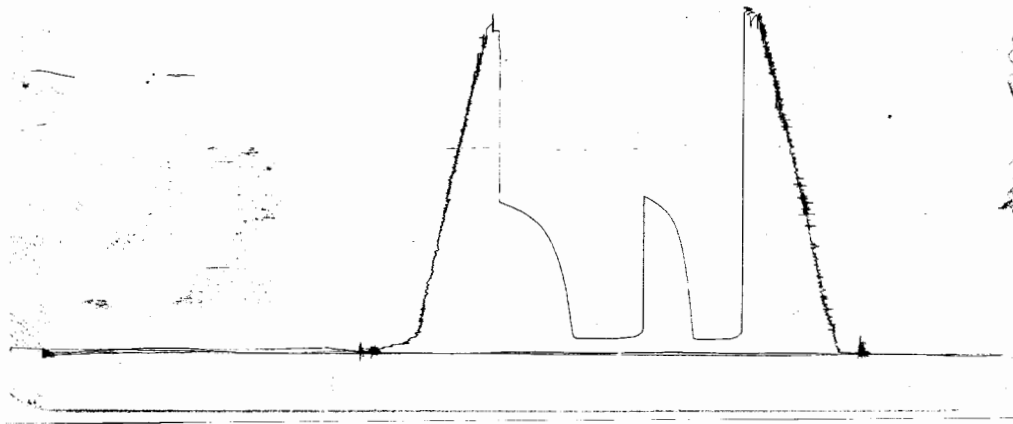
MORTON #1



END-DRILLING AND
MORTON #1

DST #3

REC-11073-0052
LOG 3680



This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec. Office Reading	PSI
	Field Reading			
(A) Initial Hydrostatic Mud	1737	1737	1737	PSI
(B) First Initial Flow Pressure.....	24	24	24	PSI
(C) First Final Flow Pressure	36	36	36	PSI
(D) Initial Closed-in Pressure	845	845	845	PSI
(E) Second Initial Flow Pressure	44	44	44	PSI
(F) Second Final Flow Pressure.....	53	53	53	PSI
(G) Final Closed-in Pressure.....	799	799	799	PSI
(H) Final Hydrostatic Mud	1663	1663	1663	PSI