



15-063-21636

2-15-30w

DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

STC 21108.D449

Page 1 of 2 Pages

Company L. D. Drilling, Inc. Lease & Well No. Hayes "D" No. 1

Elevation 2653KB Formation Lansing/Kansas City Effective Pay -- Ft. Ticket No. J2052

Date 4-07-07 Sec. 2 Twp. 15S Range 30W County Gove State Kansas

Test Approved By Kim B. Shoemaker Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 3,975 ft. to 4,000 ft. Total Depth 4,000 ft.

Packer Depth 3,970 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,975 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 3,978 ft. Recorder Number 21108 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 3,997 ft. Recorder Number 11073 Cap. 4,000 psi

Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. -- psi

Drilling Contractor L. D. Drilling, Inc. - Rig 1 Drill Collar Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 48 Weight Pipe Length -- ft. I.D. -- in.

Weight 8.9 Water Loss 8.0 cc. Drill Pipe Length 3,951 ft. I.D. 3 1/2 in.

Chlorides 2,000 P.P.M. Test Tool Length 24 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number Not Run Anchor Length 25 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 blow, building throughout to 5 1/2 ins. by end. No blow back during shut-in.

2nd Open: Strong blow, building throughout to 9 ins. by end. No blow back during shut-in.

Recovered 180 ft. of gas in pipe

Recovered 65 ft. of gas & mud cut oil = .666900 bbls. (Grind out: 15%-gas; 25%-mud; 60%-oil)

Recovered 65 ft. of TOTAL FLUID = .666900 bbls.

Recovered -- ft. of --

Recovered -- ft. of --

Remarks Tool Sample Grind Out: 10%-gas; 10%-mud; 80%-oil

Time Set Packer(s) 9:45 ~~XXX~~ P.M. Time Started Off Bottom 12:45 ~~XXX~~ A.M. Maximum Temperature 120°

Initial Hydrostatic Pressure (A) 1967 P.S.I.

Initial Flow Period Minutes 30 (B) 35 P.S.I. to (C) 44 P.S.I.

Initial Closed In Period Minutes 45 (D) 814 P.S.I.

Final Flow Period Minutes 45 (E) 44 P.S.I. to (F) 56 P.S.I.

Final Closed In Period Minutes 60 (G) 764 P.S.I.

Final Hydrostatic Pressure (H) 1926 P.S.I.

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: HAYES "D" #1

Operator: L D DRILLING INC

Location-Downhole: DST #1 3975 TO 4000

Location-Surface: S2/15S/30W GOVE COUNTY

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTION AL

Job Number: D449

Test Unit: 2

Start Date: 2007/04/07

Start Time: 20:00:00

End Date: 2007/04/08

End Time: 02:35:00

Report Date: 2007/04/08

Prepared By: JOHN RIEDL

Remarks:

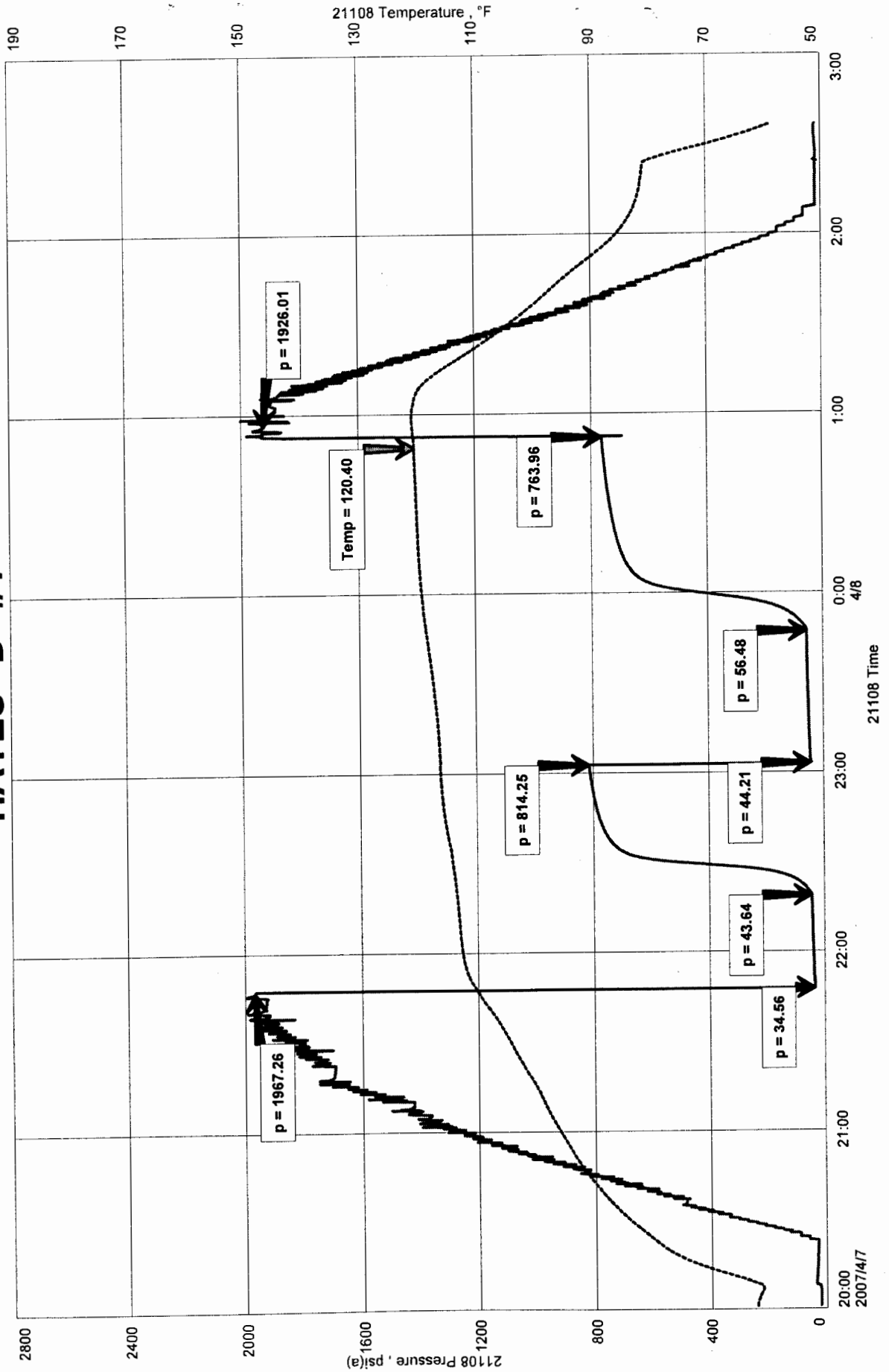
Qualified By: KIM SHOEMAKER

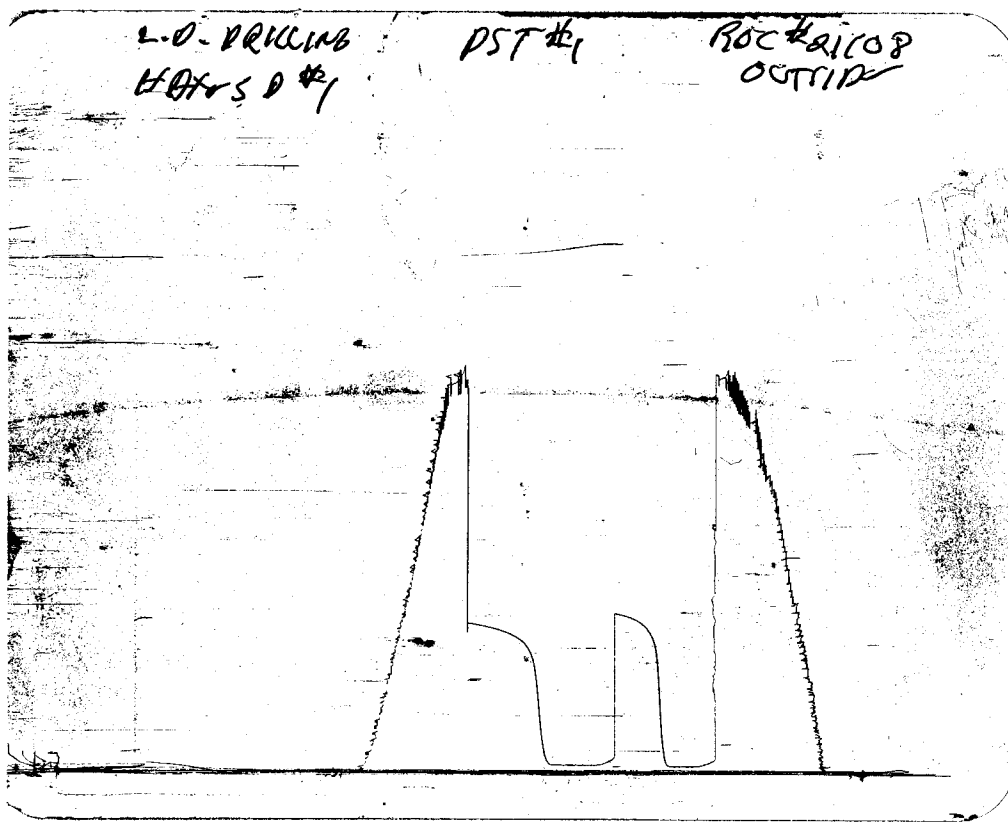
RECOVERY: 180' GAS IN PIPE
65' G+MCO (15%GAS 25%MUD 60%OIL)

HAYES "D" #1
Formation: LKC
Job Number: D449

L D DRILLING INC
DST #1 3975 TO 4000
Start Test Date: 2007/04/07
Final Test Date: 2007/04/08

HAYES "D" #1





This is an actual photograph of recorder chart.

POINT	PRESSURE Elec.	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1967	1967
(B) First Initial Flow Pressure.....	35	35
(C) First Final Flow Pressure	44	44
(D) Initial Closed-in Pressure	814	814
(E) Second Initial Flow Pressure	44	44
(F) Second Final Flow Pressure.....	56	56
(G) Final Closed-in Pressure.....	764	764
(H) Final Hydrostatic Mud	1926	1926



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STC 21108.D450

Page 1 of 2 Pages

Company L. D. Drilling, Inc. Lease & Well No. Hayes "D" No. 1

Elevation 2653KB Formation Lansing/Kansas City 220' Zone Effective Pay -- Ft. Ticket No. J2053

Date 4-08-07 Sec. 2 Twp. 15S Range 30W County Gove State Kansas

Test Approved By Kim B. Shoemaker Diamond Representative John C. Riedl

Formation Test No. 2 Interval Tested from 4,022 ft. to 4,047 ft. Total Depth 4,047 ft.

Packer Depth 4,017 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,022 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 4,025 ft. Recorder Number 21108 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,044 ft. Recorder Number 11073 Cap. 4,000 psi

Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. -- psi

Drilling Contractor L. D. Drilling, Inc. - Rig 1 Drill Collar Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 49 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.3 Water Loss 9.6 cc. Drill Pipe Length 3,998 ft. I.D. 3 1/2 in.

Chlorides 2,000 P.P.M. Test Tool Length 24 ft. Tool Size 3 1/2 IF in.

Jars: Make Bowen Serial Number Not Run Anchor Length 25 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, building to 10 ins. in 10 mins., decreasing to 4 ins. by end. No blow back during shut-in.

2nd Open: Strong blow, building off bottom of bucket in 4 mins. Decreasing to 10 ins. by end. Weak blow back during shut-in.

Recovered 80 ft. of gas in pipe

Recovered 40 ft. of very slightly oil cut muddy water = .410400 bbls. (Grind out: 10%-mud; 90%-water)

Recovered 1,800 ft. of water = 18.468000 bbls. (Chlorides: 55,000 Ppm)

Recovered 1,840 ft. of TOTAL FLUID = 18.878400 bbls.

Recovered -- ft. of --

Remarks --

Time Set Packer(s) 12:31 XXX P.M. Time Started Off Bottom 3:31 XXX P.M. Maximum Temperature 136°

Initial Hydrostatic Pressure (A) 1963 P.S.I.

Initial Flow Period Minutes 30 (B) 102 P.S.I. to (C) 621 P.S.I.

Initial Closed In Period Minutes 45 (D) 958 P.S.I.

Final Flow Period Minutes 45 (E) 656 P.S.I. to (F) 898 P.S.I.

Final Closed In Period Minutes 60 (G) 973 P.S.I.

Final Hydrostatic Pressure (H) 1950 P.S.I.

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: HAYES "D" #1

Operator: L D DRILLING INC

Location-Downhole: DST #2 4022 TO 4047

Location-Surface: S2/15S/30W GOVE COUNTY

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL

Job Number: D450

Test Unit: 2

Start Date: 2007/04/08

Start Time: 10:45:00

End Date: 2007/04/08

End Time: 18:30:00

Report Date: 2007/04/08

Prepared By: JOHN RIEDL

Remarks:

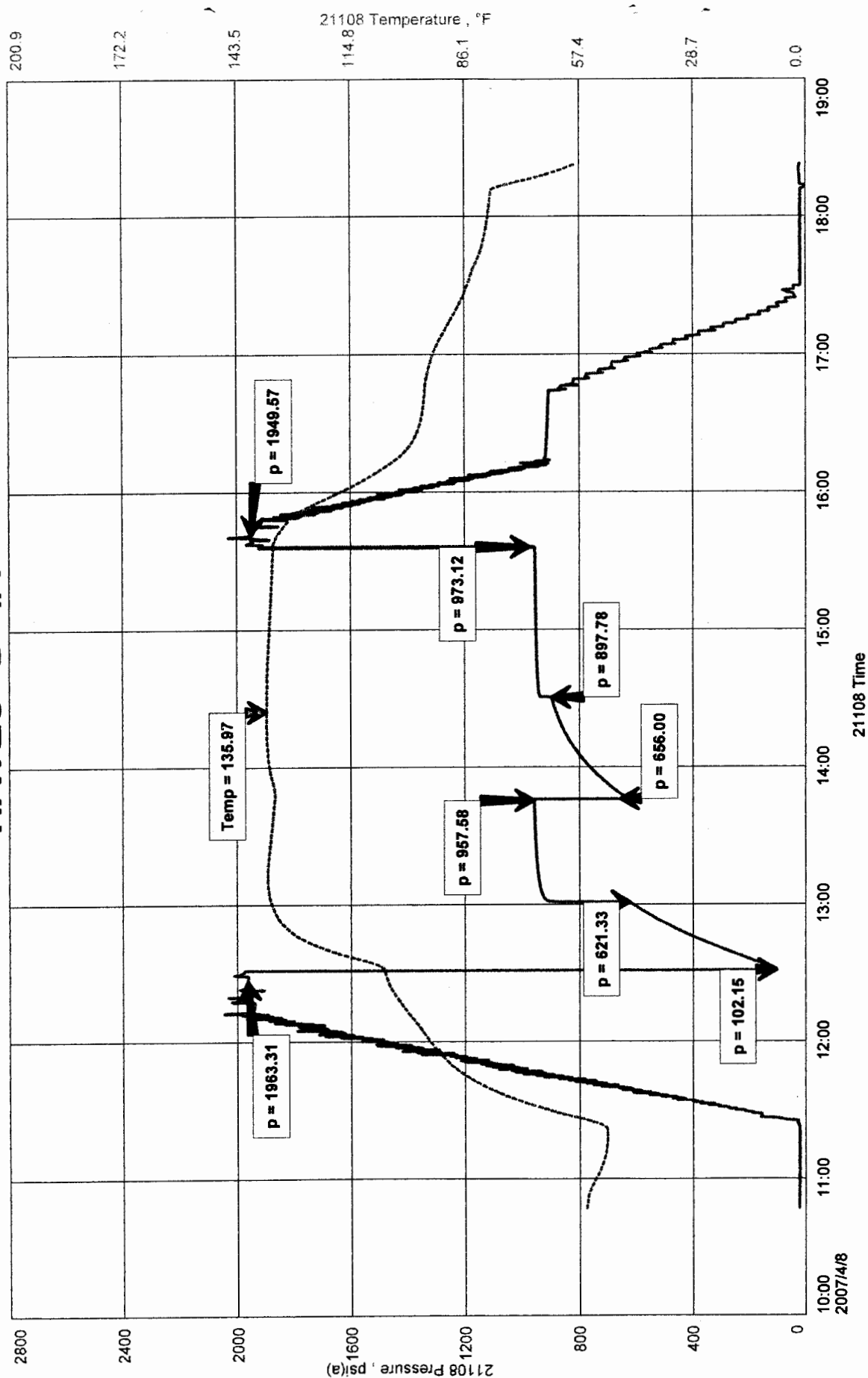
Qualified By: KIM SHOEMAKER

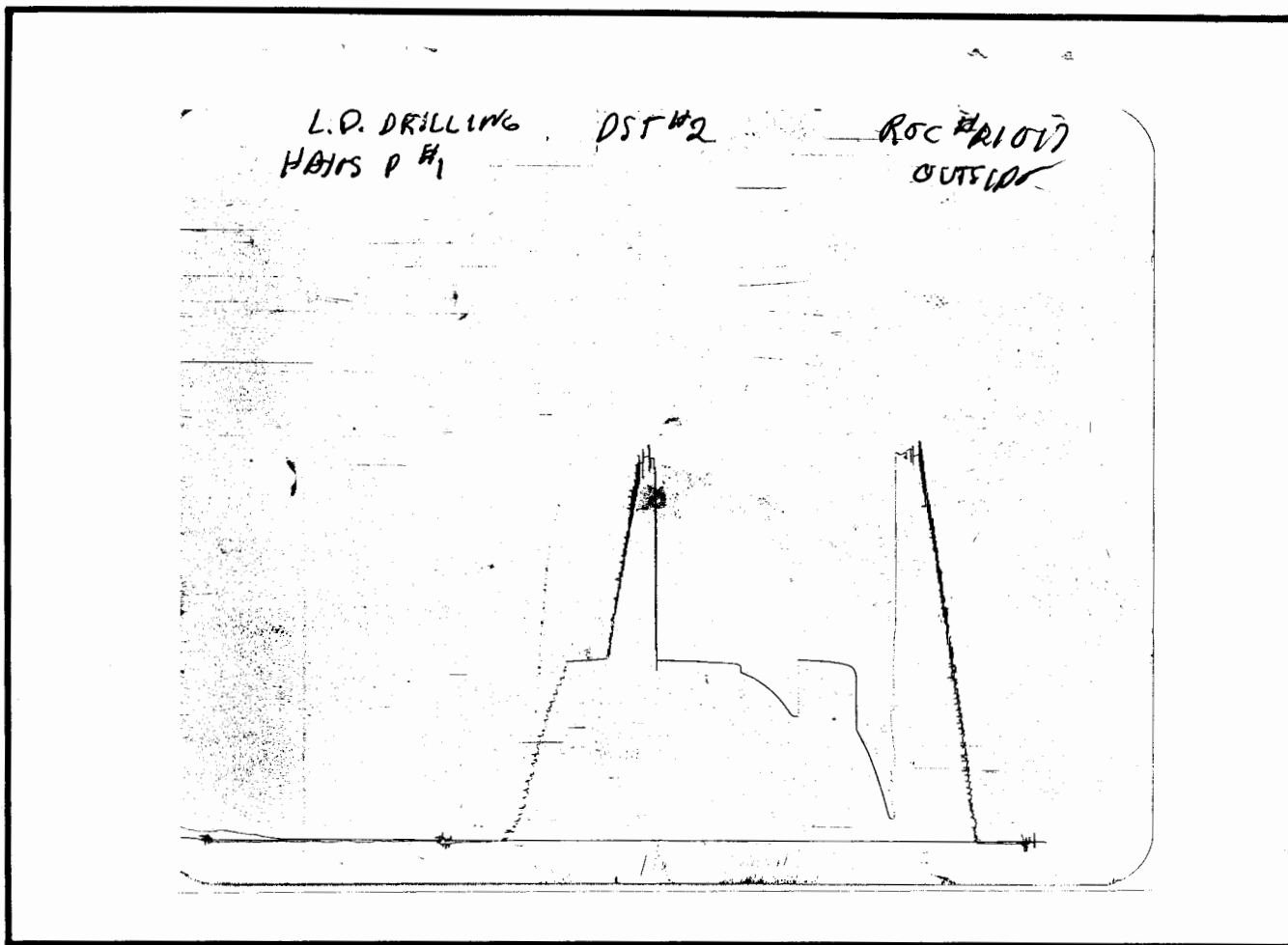
RECOVERY: 80' GAS IN PIPE
40' VSLOCMW
1800' WATER

HAYES "D" #1
Formation: LKC 220'
Job Number: D450

LD DRILLING INC
DST #2 4022 TO 4047
Start Test Date: 2007/04/08
Final Test Date: 2007/04/08

HAYES "D" #1





This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec. Office Reading	
	Field Reading			
(A) Initial Hydrostatic Mud	1963	1963	PSI	
(B) First Initial Flow Pressure.....	102	102	PSI	
(C) First Final Flow Pressure	621	621	PSI	
(D) Initial Closed-in Pressure	958	958	PSI	
(E) Second Initial Flow Pressure	656	656	PSI	
(F) Second Final Flow Pressure.....	898	898	PSI	
(G) Final Closed-in Pressure.....	973	973	PSI	
(H) Final Hydrostatic Mud	1950	1950	PSI	



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Page 1 of 2 Pages

Company L. D. Drilling, Inc. Lease & Well No. Hayes "D" No. 1

Elevation 2653KB Formation Base Kansas City Effective Pay -- Ft. Ticket No. J2054

Date 4-09-07 Sec. 2 Twp. 15S Range 30W County Gove State Kansas

Test Approved By Kim B. Shoemaker Diamond Representative John C. Riedl

Formation Test No. 3 Interval Tested from 4,045 ft. to 4,062 ft. Total Depth 4,062 ft.

Packer Depth 4,040 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,045 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 4,048 ft. Recorder Number 21108 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,059 ft. Recorder Number 11073 Cap. 4,000 psi

Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. -- psi

Drilling Contractor L. D. Drilling, Inc. - Rig 1 Drill Collar Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 54 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.0 Water Loss 8.0 cc. Drill Pipe Length 4,021 ft. I.D. 3 1/2 in.

Chlorides 2,500 P.P.M. Test Tool Length 24 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number Not Run Anchor Length 17 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, 1/2 in., blow decreasing to 1/4 in.

2nd Open: Weak, 1/4 in., blow.

Recovered 50 ft. of gas in pipe

Recovered 10 ft. of gas cut mud = .102600 bbls. (Grind out: 10%-gas; 90%-mud)

Recovered 10 ft. of TOTAL FLUID = .102600 bbls.

Recovered -- ft. of --

Recovered -- ft. of --

Remarks --

Time Set Packer(s) 2:10 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 4:10 ~~P.M.~~ ^{A.M.} Maximum Temperature 114°

Initial Hydrostatic Pressure (A) 1973 P.S.I.

Initial Flow Period Minutes 30 (B) 32 P.S.I. to (C) 33 P.S.I.

Initial Closed In Period Minutes 30 (D) 756 P.S.I.

Final Flow Period Minutes 30 (E) 34 P.S.I. to (F) 36 P.S.I.

Final Closed In Period Minutes 30 (G) 699 P.S.I.

Final Hydrostatic Pressure (H) 1951 P.S.I.

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: HAYES "D" #1

Operator: L D DRILLING INC

Location-Downhole: DST #3 4045 TO 4062

Location-Surface: S2/15S/30W GOVE COUNTY

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL Job Number: 451

Test Unit: 2

Start Date: 2007/04/09 Start Time: 00:30:00

End Date: 2007/04/09 End Time: 05:50:00

Report Date: 2007/04/09 Prepared By: JOHN RIEDL

Qualified By: KIM SHOEMAKER

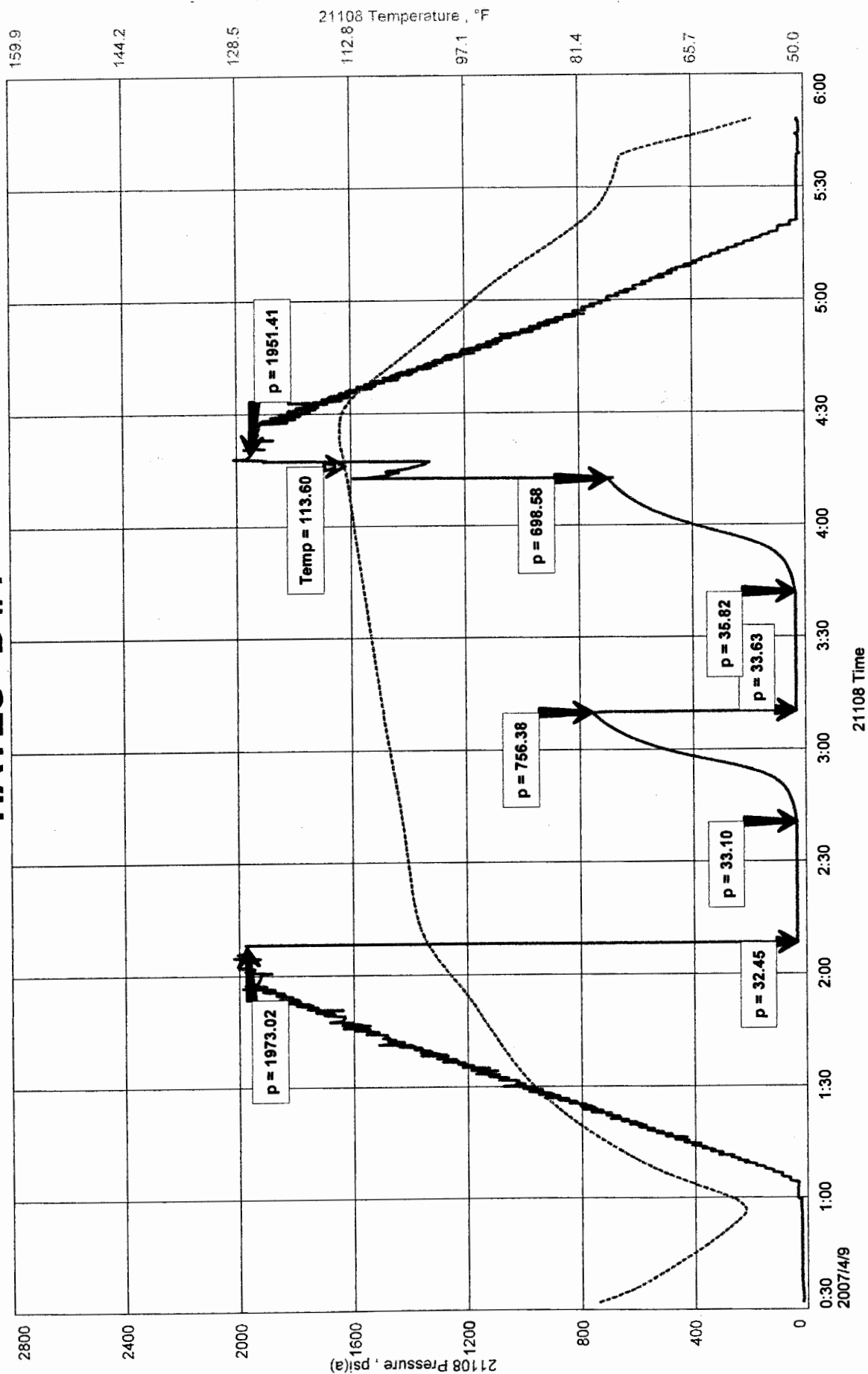
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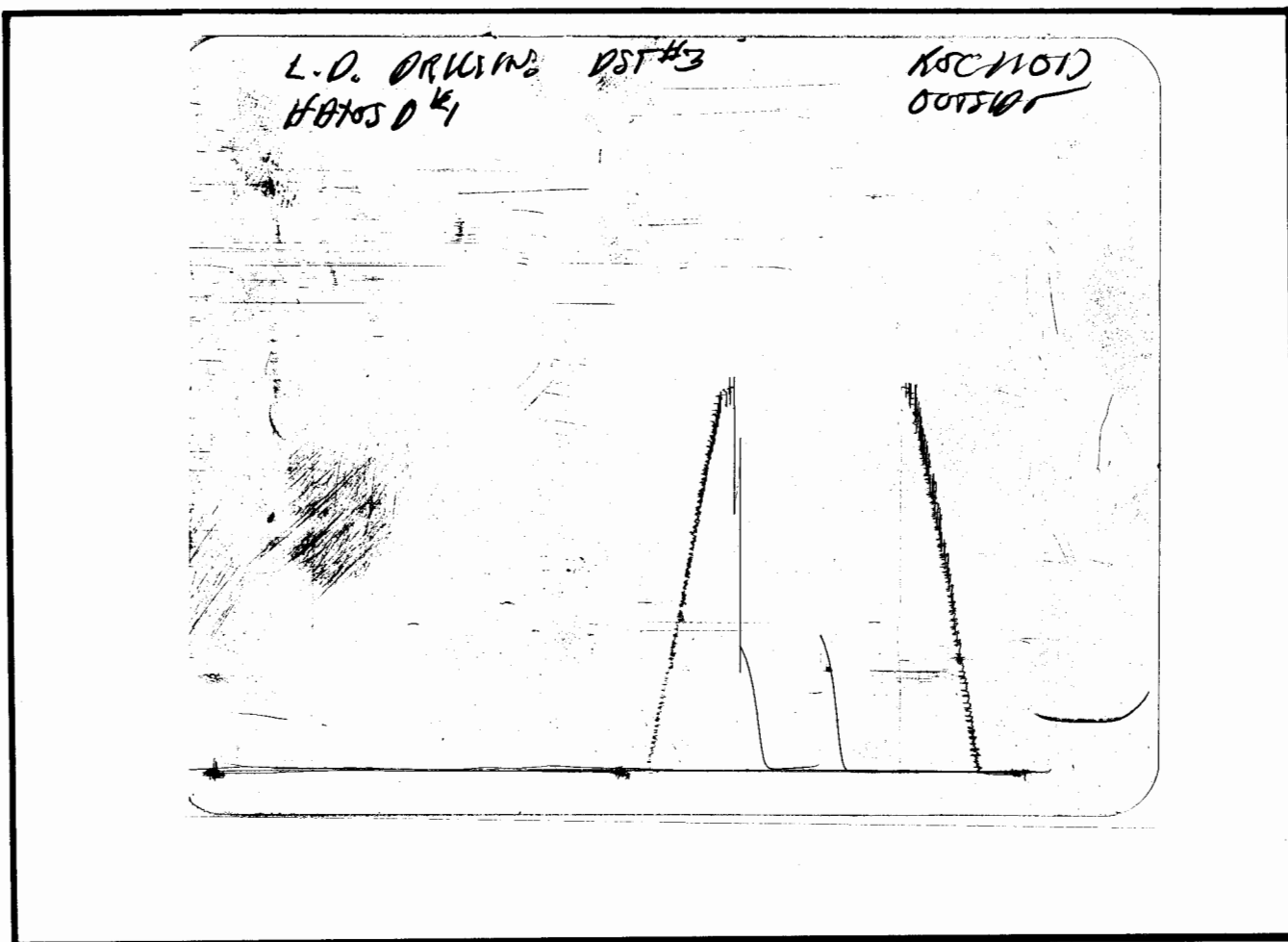
RECOVERY: 50' GAS IN PIPE
10' GAS CUT MUD

HAYES "D" #1
Formation: BASE KC
Job Number: 451

L D DRILLING INC
DST #3 4045 TO 4062
Start Test Date: 2007/04/09
Final Test Date: 2007/04/09

HAYES "D" #1





This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Elec. Office Reading
(A) Initial Hydrostatic Mud	1973	1973
(B) First Initial Flow Pressure.....	32	32
(C) First Final Flow Pressure	33	33
(D) Initial Closed-in Pressure	756	756
(E) Second Initial Flow Pressure	34	34
(F) Second Final Flow Pressure.....	36	36
(G) Final Closed-in Pressure.....	699	699
(H) Final Hydrostatic Mud	1951	1951



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Page 1 of 2 Pages

Company L. D. Drilling, Inc. Lease & Well No. Hayes "D" No. 1
Elevation 2653KB Formation Myrick Station Effective Pay -- Ft. Ticket No. J2055
Date 4-10-07 Sec. 2 Twp. 15S Range 30W County Gove State Kansas
Test Approved By Kim B. Shoemaker Diamond Representative John C. Riedl

Formation Test No. 4 Interval Tested from 4,194 ft. to 4,227 ft. Total Depth 4,227 ft.

Packer Depth 4,189 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,194 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 4,197 ft. Recorder Number 21108 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,224 ft. Recorder Number 11073 Cap. 4,000 psi

Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. -- psi

Drilling Contractor L. D. Drilling, Inc. - Rig 1 Drill Collar Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 48 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.1 Water Loss 8.8 cc. Drill Pipe Length 4,170 ft. I.D. 3 1/2 in.

Chlorides 2,000 P.P.M. Test Tool Length 24 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number Not Run Anchor Length 33 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, 1/2 in., blow decreasing to 1/4 in. No blow back during shut-in.
2nd Open: Weak, 1/2 in., blow.

Recovered 5 ft. of drilling mud = .051300 bbls.

Recovered -- ft. of

Recovered -- ft. of

Recovered -- ft. of

Recovered -- ft. of

Remarks

Time Set Packer(s) 12:30 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 2:30 ~~P.M.~~ ^{A.M.} Maximum Temperature 118°

Initial Hydrostatic Pressure (A) 2078 P.S.I.

Initial Flow Period Minutes 30 (B) 32 P.S.I. to (C) 32 P.S.I.

Initial Closed In Period Minutes 30 (D) 431 P.S.I.

Final Flow Period Minutes 30 (E) 33 P.S.I. to (F) 33 P.S.I.

Final Closed In Period Minutes 30 (G) 233 P.S.I.

Final Hydrostatic Pressure (H) 2062 P.S.I.

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: HAYES "D" #1

Operator: L D DRILLING INC

Location-Downhole: DST #4 4194 TO 4227

Location-Surface: S2/15S/30W GOVE COUNTY

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL

Job Number: D452

Test Unit: 2

Start Date: 2007/04/09

Start Time: 23:00:00

End Date: 2007/04/10

End Time: 04:10:00

Report Date: 2007/04/10

Prepared By: JOHN RIEDL

Remarks:

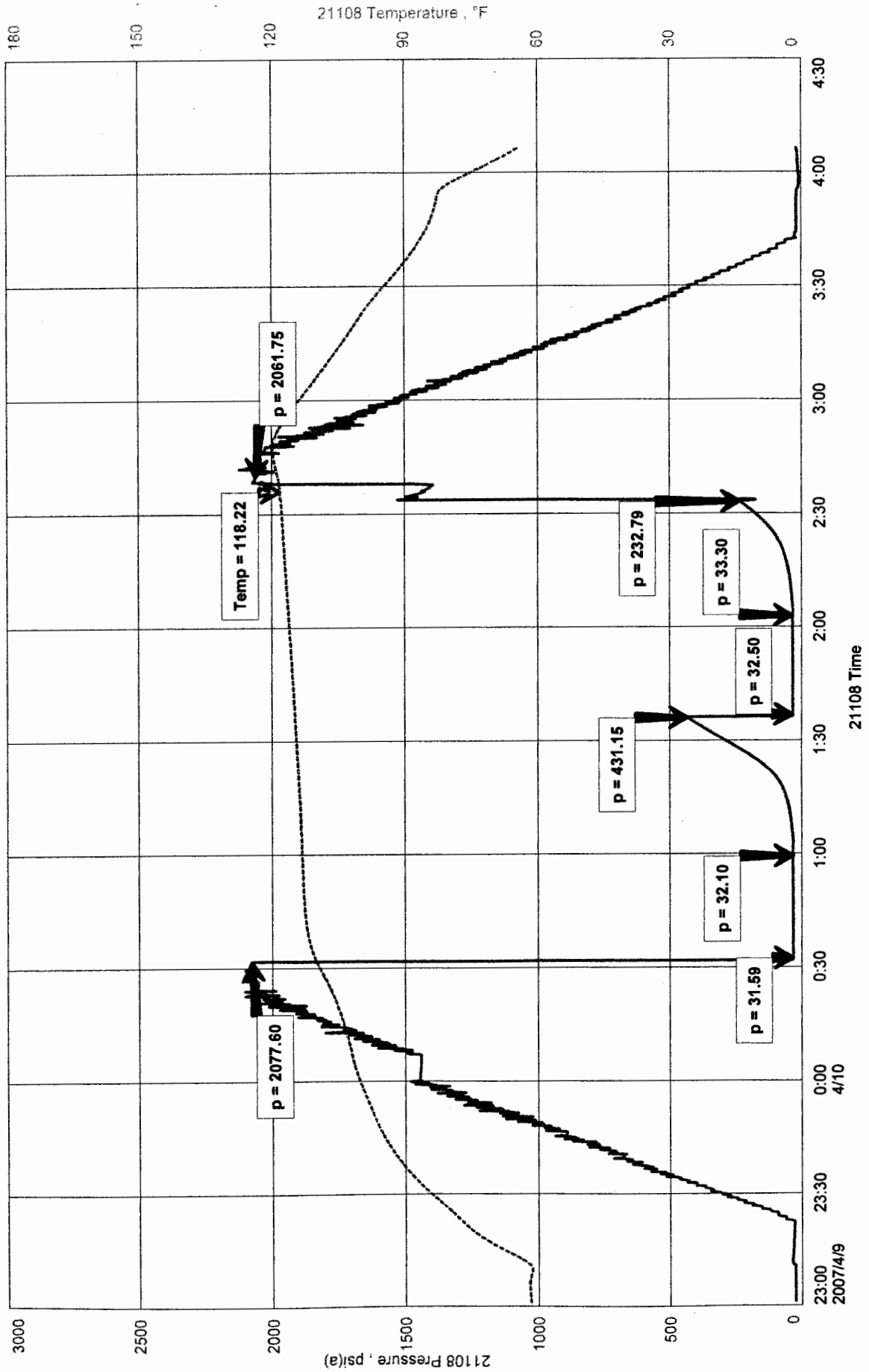
Qualified By: KIM SHOEMAKER

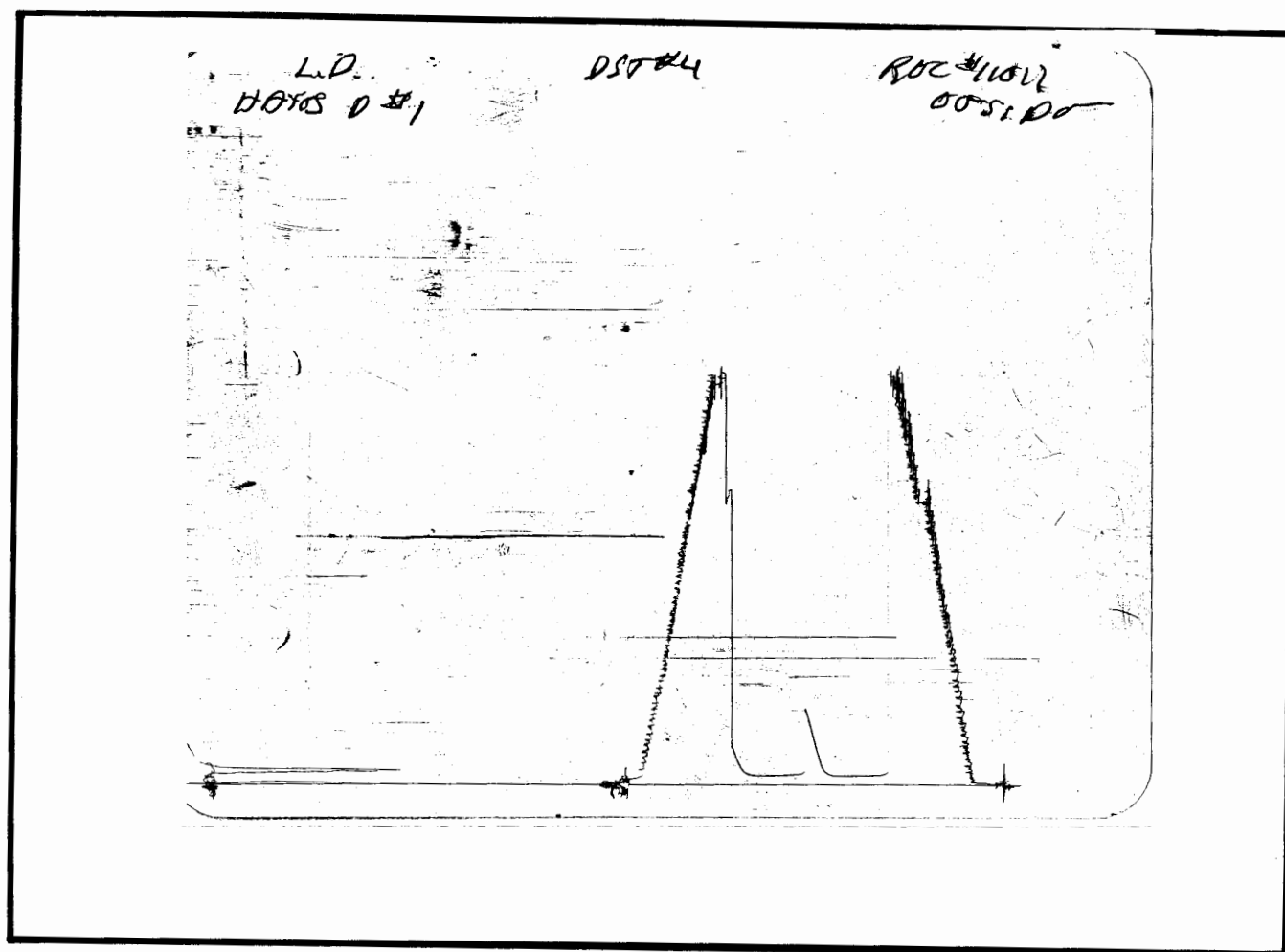
RECOVERY: 5' DRILLING MUD

HAYES "D" #1
Formation: MYRICK STATION
Job Number: D452

L D DRILLING INC
DST #4 4194 TO 4227
Start Test Date: 2007/04/09
Final Test Date: 2007/04/10

HAYES "D" #1





This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec. Office Reading
	Field Reading		
(A) Initial Hydrostatic Mud	2078	2078	PSI
(B) First Initial Flow Pressure.....	32	32	PSI
(C) First Final Flow Pressure	32	32	PSI
(D) Initial Closed-in Pressure	431	431	PSI
(E) Second Initial Flow Pressure.....	33	33	PSI
(F) Second Final Flow Pressure.....	33	33	PSI
(G) Final Closed-in Pressure.....	233	233	PSI
(H) Final Hydrostatic Mud.....	2062	2062	PSI