

CHENEY TESTING COMPANY, INC.

P. O. Box 367

HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	N-B Company Inc.	Test No.	1
Well Name & Number	Lunney #1	Zone Tested	Toronto Lansing
Company Address	P.O. box 506 Russell Ks.	Date	5/27/84
Company Rep.	Jerry Green	Tester	Randy Keesling
Contractor	Emphasis Oil Operations	Elevation	2388 GL
Location: Sec. 24 Twp. 6 Rge. 23 Co. Graham State Ks.		Est. Feet of Pay	

Recorder No. 13223 Type Ak-1 Range 4150 PSI

Recorder No. 7456 Type AK-1 Range 4150 PSI

Recorder Depth 3642 Clock # 22993

Recorder Depth 3645 Clock # 7062

(A) Initial Hydrostatic Mud 1947 PSI

Tool Open Before I.S.I. 30 Mins.

(B) First Initial Flow Pressure 105 PSI

Initial Shut-in 30 Mins.

(C) First Final Flow Pressure 105 PSI

Flow Period 30 Mins.

(D) Initial Shut-in Pressure 1125 PSI

Final Shut-in 30 Mins.

(E) Second Initial Flow Pressure 116 PSI

Top Choke Size 1" Hole Size 7 7/8"

(F) Second Final Flow Pressure 116 PSI

Bottom Choke Size 3/4" Rubber Size 6 3/4"

(G) Final Shut-in Pressure 1114 PSI

Tool Open @ 6:03

(H) Final Hydrostatic Mud 1947 PSI

Blow Remarks 1st open: No packer seat on 1st

Temperature 108

try. Packers seat good on second try.

Mud Weight 9.8 Viscosity 42

Weak blow, died in 10 minutes.

Fluid Loss 8.0

2nd open: No blow, flushed tool, fair surge.

Interval Tested 3596-3650

Mud Chlorides: 3,000 ppm

Anchor Length 54

Recovery Chlorides: 3,000 ppm

Top Packer Depth 3591

Bottom Packer Depth 3596

Total Depth 3650

Drill Pipe Size 4 1/2 XH

Wt. Pipe I. D. _____ Ft. Run _____

Recovery-Total Feet 105

Recovered 105 Feet Of mud, few specks of oil in tool.

Recovered _____ Feet Of _____

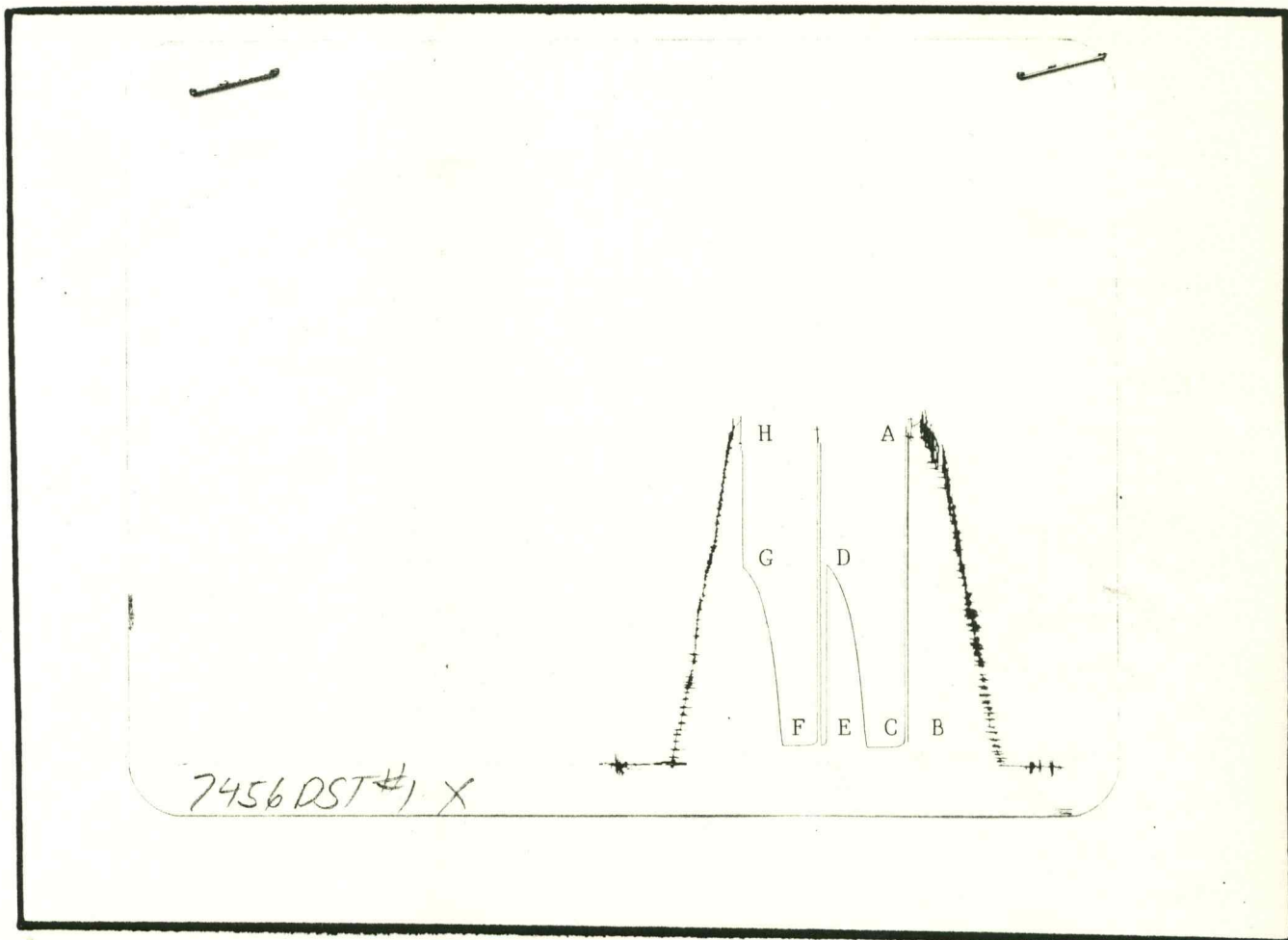
Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Extra Equipment _____ Price of Job \$625.00



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1947		PSI
(B) First Initial Flow Pressure	105		PSI
(C) First Final Flow Pressure	105		PSI
(D) Initial Closed-in Pressure	1125		PSI
(E) Second Initial Flow Pressure	116		PSI
(F) Second Final Flow Pressure	116		PSI
(G) Final Closed-in Pressure	1114		PSI
(H) Final Hydrostatic Mud	1947		PSI

CHENEY TESTING COMPANY, INC.

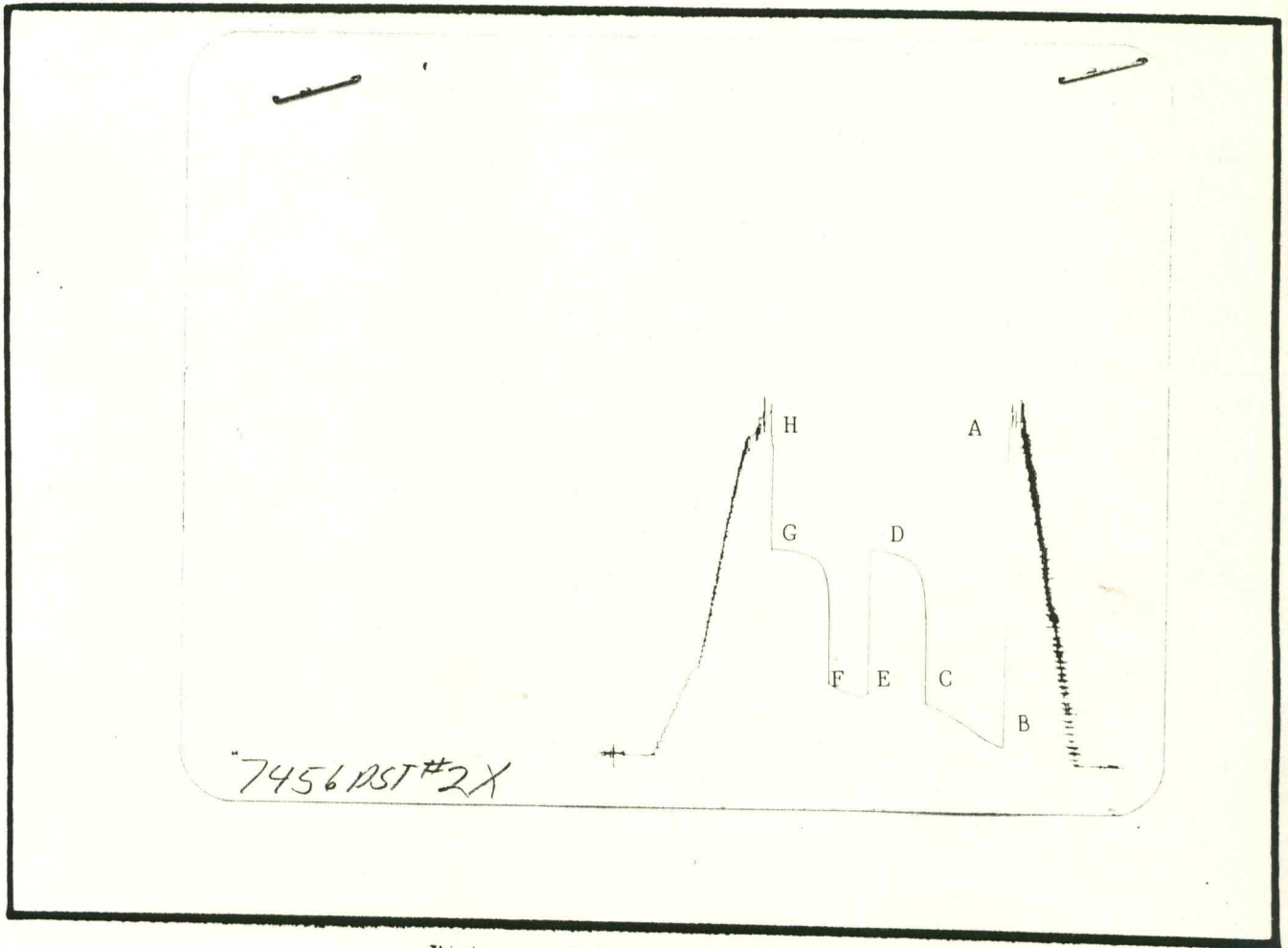
P. O. Box 367

HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	N-B Company Inc.	Test No.	2
Well Name & Number	Lunney #1	Zone Tested	Kansas City E&F
Company Address	P.O. Box 506 Russell Ks.	Date	5/28/84
Company Rep.	Jerry Green	Tester	Randy Keesling
Contractor	Emphasis Oil Operations	Elevation	2388 GL
Location: Sec.	24 Twp.	6 Rge.	23 Co. Graham State Ks.
		Est. Feet of Pay	

<p>Recorder No. <u>13223</u> Type <u>Ak-1</u> Range <u>4150</u> PSI</p> <p>Recorder Depth <u>3702</u> Clock # <u>22993</u></p> <p>(A) Initial Hydrostatic Mud <u>2010</u> PSI</p> <p>(B) First Initial Flow Pressure <u>105</u> PSI</p> <p>(C) First Final Flow Pressure <u>338</u> PSI</p> <p>(D) Initial Shut-in Pressure <u>1208</u> PSI</p> <p>(E) Second Initial Flow Pressure <u>370</u> PSI</p> <p>(F) Second Final Flow Pressure <u>444</u> PSI</p> <p>(G) Final Shut-in Pressure <u>1208</u> PSI</p> <p>(H) Final Hydrostatic Mud <u>1989</u> PSI</p> <p>Temperature <u>109</u></p> <p>Mud Weight <u>9.9</u> Viscosity <u>60</u></p> <p>Fluid Loss <u>9.9</u></p> <p>Interval Tested <u>3677-3710</u></p> <p>Anchor Length <u>33</u></p> <p>Top Packer Depth <u>3672</u></p> <p>Bottom Packer Depth <u>3677</u></p> <p>Total Depth <u>3710</u></p> <p>Drill Pipe Size <u>4½</u> Xh</p> <p>Wt. Pipe I. D. _____ Ft. Run _____</p> <p>Recovery-Total Feet <u>920</u></p> <p>Recovered <u>305</u> Feet Of <u>mud.</u></p> <p>Recovered <u>615</u> Feet Of <u>saltwater.</u></p> <p>Recovered _____ Feet Of <u>Oil specks in tool, small amounts of gas in water.</u></p> <p>Recovered _____ Feet Of _____</p> <p>Recovered _____ Feet Of _____</p> <p>Recovered _____ Feet Of _____</p> <p>Extra Equipment _____ Price of Job <u>\$625.00</u></p>	<p>Recorder No. <u>7456</u> Type <u>AK-1</u> Range <u>4150</u> PSI</p> <p>Recorder Depth <u>3705</u> Clock # <u>7062</u></p> <p>Tool Open Before I.S.I. <u>60</u> Mins.</p> <p>Initial Shut-in <u>45</u> Mins.</p> <p>Flow Period <u>30</u> Mins.</p> <p>Final Shut-in <u>45</u> Mins.</p> <p>Top Choke Size <u>1"</u> Hole Size <u>7 7/8"</u></p> <p>Bottom Choke Size <u>3/4"</u> Rubber Size <u>6 3/4"</u></p> <p>Tool Open @ <u>11:33 AM</u></p> <p>Blow Remarks <u>1st open: Strong blow, off bottom in 6 minutes.</u></p> <p><u>2nd open: Strong blow, off bottom in 9 minutes</u></p> <p>_____</p> <p>_____</p> <p>Mud Chlorides: <u>3,000 ppm</u></p> <p>Recovery Chlorides: <u>70,000 ppm</u></p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>
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POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	2010	PSI
(B) First Initial Flow Pressure	105	PSI
(C) First Final Flow Pressure	338	PSI
(D) Initial Closed-in Pressure	1208	PSI
(E) Second Initial Flow Pressure	370	PSI
(F) Second Final Flow Pressure	444	PSI
(G) Final Closed-in Pressure	1208	PSI
(H) Final Hydrostatic Mud	1989	PSI

CHENEY TESTING COMPANY, INC.

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DRILL-STEM TEST DATA

Company	N-B Company Inc.	Test No.	3
Well Name & Number	Lunney #1	Zone Tested	Kansas City I,H,J
Company Address	P.O. box 506 Russell Ks.	Date	5/29/84
Company Rep.	Jerry Green	Tester	Randy Keesling
Contractor	Emphasis Oil Operations	Elevation	2388 GL
Location: Sec. 24 Twp. 6 Rge. 23 Co. Graham State Ks.		Est. Feet of Pay	

Recorder No. 13223 Type aK-1 Range 4150 PSI

Recorder Depth 3797 Clock # 22993

(A) Initial Hydrostatic Mud 2115 PSI

(B) First Initial Flow Pressure 84 PSI

(C) First Final Flow Pressure 137 PSI

(D) Initial Shut-in Pressure 1177 PSI

(E) Second Initial Flow Pressure 180 PSI

(F) Second Final Flow Pressure 201 PSI

(G) Final Shut-in Pressure 1145 PSI

(H) Final Hydrostatic Mud 2062 PSI

Temperature 110

Mud Weight 9.7 Viscosity 53

Fluid Loss 7.2

Interval Tested 3740-3805

Anchor Length 65

Top Packer Depth 3735

Bottom Packer Depth 3740

Total Depth 3805

Drill Pipe Size 4 1/2 Xh

Wt. Pipe I. D. Ft. Run

Recovery-Total Feet 345

Recovered 100 Feet Of watery mud, with oil film on water, 25% water, 75% mud.

Recovered 245 Feet Of muddy water with oil specks.

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Extra Equipment Price of Job \$625.00

Recorder No. 7456 Type Ak-1 Range 4150 PSI

Recorder Depth 3800 Clock # 7062

Tool Open Before I.S.I. 60 Mins.

Initial Shut-in 45 Mins.

Flow Period 30 Mins.

Final Shut-in 45 Mins.

Top Choke Size 1" Hole Size 7 7/8"

Bottom Choke Size 3/4" Rubber Size 6 3/4"

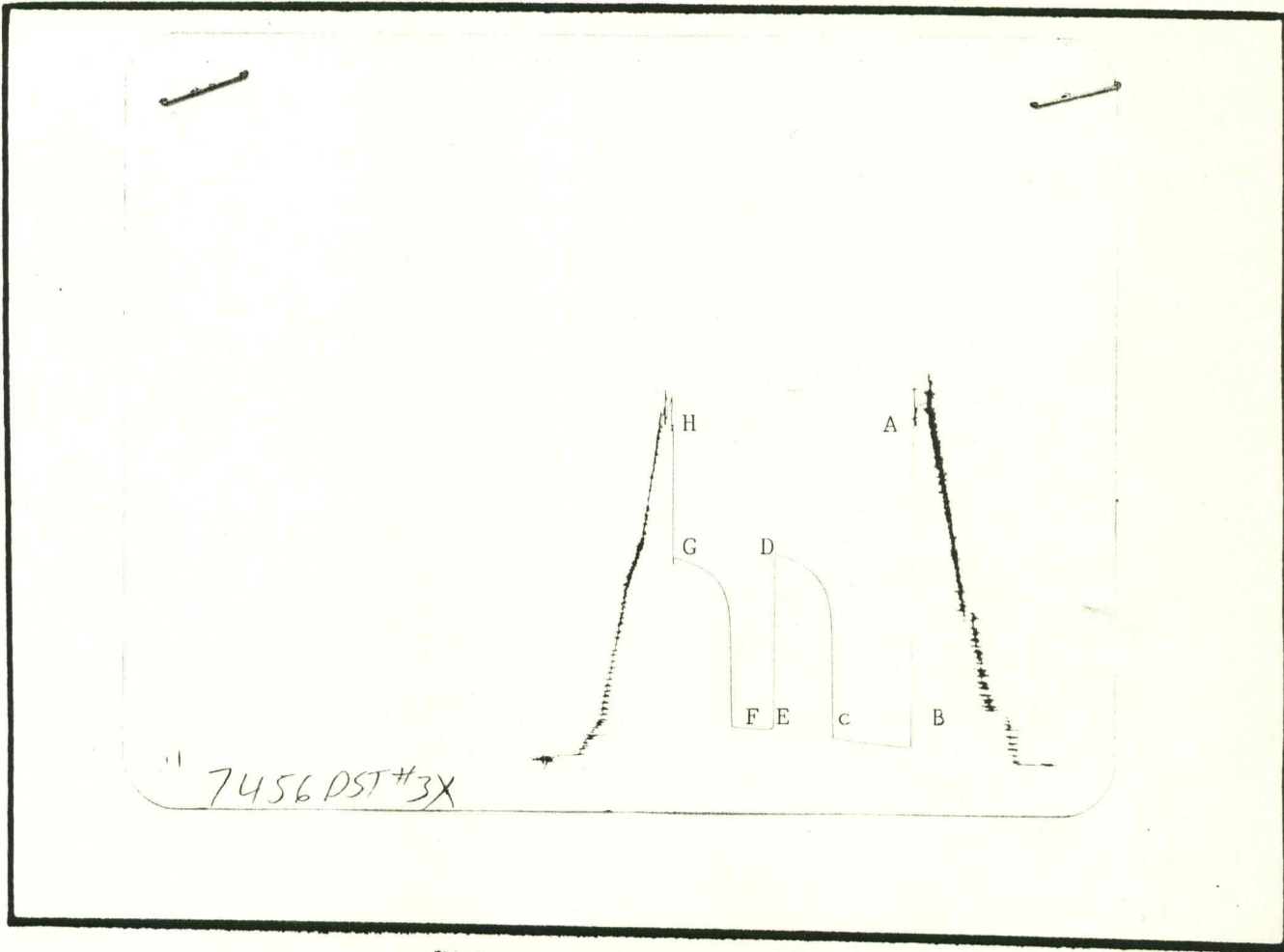
Tool Open @ 8:07

Blow Remarks 1st open: Good blow, off bottom in 25 minutes.

2nd open: Fair blow, built to 7" in 30 minutes.

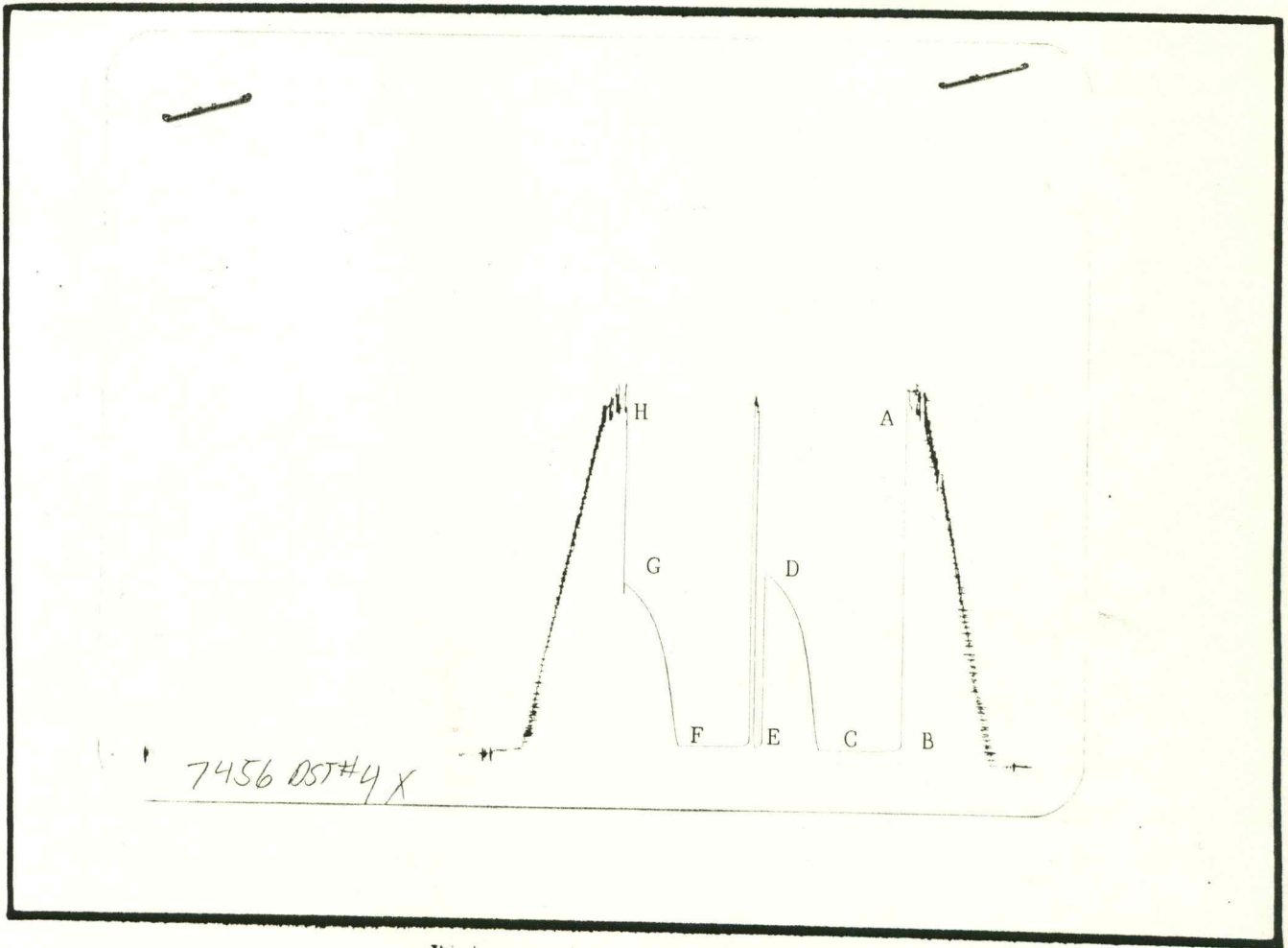
Mud Chlorides: 3,000

Recovery Chlorides: 50,000 ppm



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	2115	PSI
(B) First Initial Flow Pressure	84	PSI
(C) First Final Flow Pressure	137	PSI
(D) Initial Closed-in Pressure	1177	PSI
(E) Second Initial Flow Pressure	180	PSI
(F) Second Final Flow Pressure	201	PSI
(G) Final Closed-in Pressure	1145	PSI
(H) Final Hydrostatic Mud	2062	PSI



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2104		PSI
(B) First Initial Flow Pressure	74		PSI
(C) First Final Flow Pressure	74		PSI
(D) Initial Closed-in Pressure	1062		PSI
(E) Second Initial Flow Pressure	84		PSI
(F) Second Final Flow Pressure	84		PSI
(G) Final Closed-in Pressure	979		PSI
(H) Final Hydrostatic Mud	2104		PSI