CHENEY TESTING COMPANY, INC.

P. O. ~~Box 367~~ HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company A.L. Abercrombie Inc.	Test No. 1
Well Name & Number Lloyd Cook B-#2	Zone Tested Toronto
Company Address 801 Union Center Wichita, Ks.	Date 11/6/84
Company Rep. Mark Gaylon	Tester Paul Simpson
Contractor Abercrombie Drilling Company	Elevation 1961 KB 1956 GL
Location: Sec. 28 Twp. 7 s Rge. 20w Co. Rooks State Ks	Est. Feet of Pay

Recorder No. 13364 Type AK-1 Range 3825 PSI

Recorder Depth 3168 Clock # 21123

(A) Initial Hydrostatic Mud 1544 PSI

(B) First Initial Flow Pressure 67 PSI

(C) First Final Flow Pressure 67 PSI

(D) Initial Shut-in Pressure 76 PSI

(E) Second Initial Flow Pressure 67 PSI

(F) Second Final Flow Pressure 67 PSI

(G) Final Shut-in Pressure 67 PSI

(H) Final Hydrostatic Mud 1525 PSI

Temperature 102

Mud Weight 9.3 Viscosity 44

Fluid Loss 8.0

Interval Tested 3135-3169

Anchor Length 34

Top Packer Depth 3130

Bottom Packer Depth 3135

Total Depth 3169

Drill Pipe Size 4½ XH

Wt. Pipe I. D. 2.7 Ft. Run 567

Recovery-Total Feet 5

Recovered 5 Feet Of Mud.

Recovered ____ Feet Of ____

Recovered ____ Feet Of ____

Recovered ____ Feet Of ____

Recovered ____ Feet Of ____

Recovered ____ Feet Of ____

Extra Equipment ____

Recorder No. 13222 Type AK-1 Range 4000 PSI

Recorder Depth 3163 Clock # 23858

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

Initial Shut-in 30 Mins.

Flow Period 30 Mins.

Final Shut-in 30 Mins.

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

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

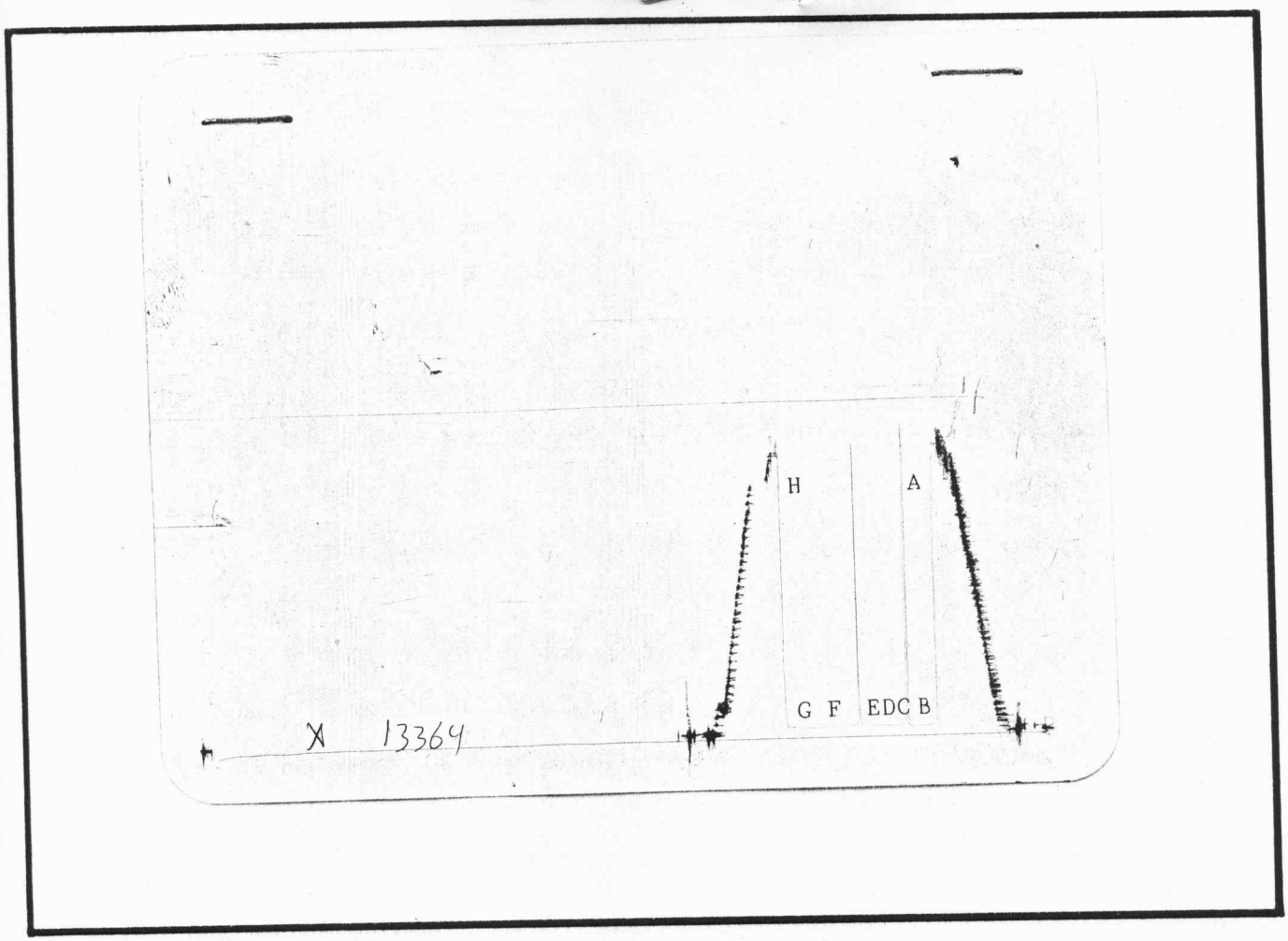
Tool Open @ 11:21 PM

Blow Remarks 1st open: Weak surface blow, blow died in 25 minutes.

2nd open: No blow, flushed tool.

Price of Job $625.00

MILLER PRINTERS, INC.
Great Bend, Kansas



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1544		PSI
(B)	First Initial Flow Pressure	67		PSI
(C)	First Final Flow Pressure	67		PSI
(D)	Initial Closed-in Pressure	76		PSI
(E)	Second Initial Flow Pressure	67		PSI
(F)	Second Final Flow Pressure	67		PSI
(G)	Final Closed-in Pressure	67		PSI
(H)	Final Hydrostatic Mud	1525		PSI

COMPANY A.L. ABERCROMBIE INC. LEASE AND WELL NO. LLOYD COOK B-#2 SEC. 28 TWP. 7S RGE. 20W TEST NO. 1 DATE 11/6/84

CHENEY TESTING COMPANY, INC.

P. O. Box 367 HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	A.L. Abercrombie Inc.	Test No.	2
Well Name & Number	Lloyd Cook B-#2	Zone Tested	Lansing-Kansas City
Company Address	801 Union Center Wichita, Ks.	Date	11/7/84
Company Rep.	Mark Gaylon	Tester	Paul Simpson
Contractor	Abercrombie Drilling Company	Elevation	1961 KB 1956 GL
Location: Sec. 28 Twp. 7s Rge. 20w Co. Rooks State Ks.		Est. Feet of Pay	

Recorder No. 13364 Type AK-1 Range 3825 PSI

Recorder Depth 3171 Clock # 21123

(A) Initial Hydrostatic Mud 1486 PSI

(B) First Initial Flow Pressure 19 PSI

(C) First Final Flow Pressure 19 PSI

(D) Initial Shut-in Pressure 28 PSI

(E) Second Initial Flow Pressure 19 PSI

(F) Second Final Flow Pressure 19 PSI

(G) Final Shut-in Pressure 19 PSI

(H) Final Hydrostatic Mud 1477 PSI

Temperature 102

Mud Weight 9.2 Viscosity 45

Fluid Loss 8.0

Interval Tested 3172-3189

Anchor Length 17

Top Packer Depth 3167

Bottom Packer Depth 3172

Total Depth 3189

Drill Pipe Size 4½ XH

Wt. Pipe I. D. 2.7 Ft. Run 567

Recovery-Total Feet 5

Recovered 5 Feet Of Mud with few oil specks.

Recovered ____ Feet Of ____

Recovered ____ Feet Of ____

Recovered ____ Feet Of ____

Recovered ____ Feet Of ____

Recovered ____ Feet Of ____

Extra Equipment ____ Price of Job $625.00

Recorder No. 13222 Type AK-1 Range 4000 PSI

Recorder Depth 3166 Clock # 23858

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

Initial Shut-in 30 Mins.

Flow Period 30 Mins.

Final Shut-in 30 Mins.

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

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

Tool Open @ 9:33 AM

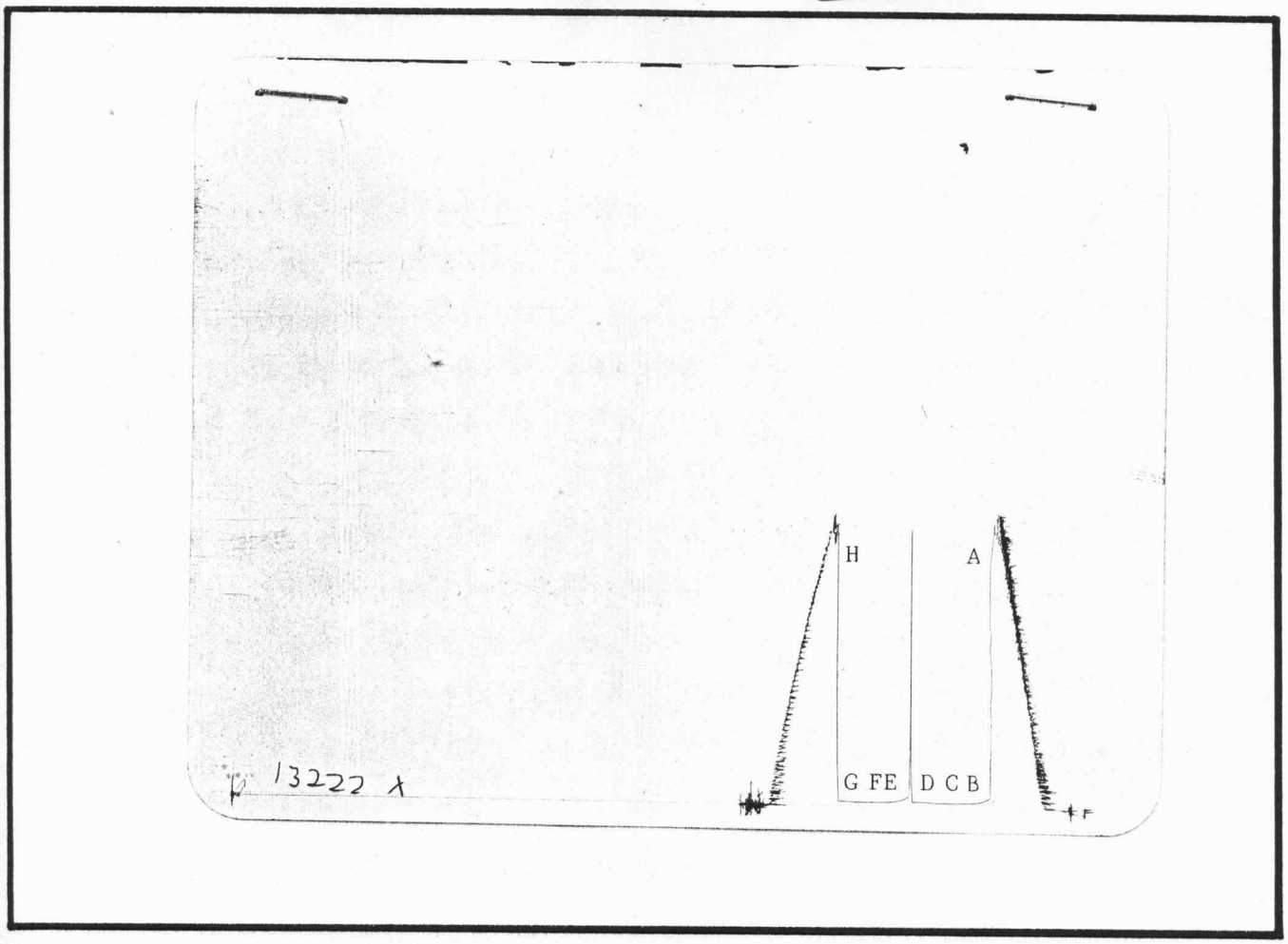
Blow Remarks 1st open: Very weak surface blow, died in 25 minutes.

2nd open: No blow, flushed tool.

Oil specks in tool.

MILLER PRINTERS, INC.
Great Bend, Kansas

COMPANY A.L. ABERCROMBIE INC. LEASE AND WELL NO. LLOYD COOK B-#2 SEC. 28 TWP. 7S RGE. 20W TEST NO. 2 DATE 11/7/84



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1486		PSI
(B)	First Initial Flow Pressure	19		PSI
(C)	First Final Flow Pressure	19		PSI
(D)	Initial Closed-in Pressure	28		PSI
(E)	Second Initial Flow Pressure	19		PSI
(F)	Second Final Flow Pressure	19		PSI
(G)	Final Closed-in Pressure	19		PSI
(H)	Final Hydrostatic Mud	1427		PSI

CHENEY TESTING COMPANY, INC.

P. O. Box 367 HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	A.L. Abercrombie Inc.	Test No.	3
Well Name & Number	Lloyd Cook B-#2	Zone Tested	Lansing- Ks. City
Company Address	801 Union Center, Wichita, Ks.	Date	11/7/84
Company Rep.	Mark Gaylon	Tester	Paul Simpson
Contractor	Abercrombie Drilling Company	Elevation	1961 KB 1956 GL
Location: Sec. 28	Twp. 7s Rge. 20w Co. Rooks State Ks.	Est. Feet of Pay	

Recorder No. 13364 Type AK-1 Range 3825 PSI
Recorder Depth 3224 Clock # 21123

(A) Initial Hydrostatic Mud 1650 PSI
(B) First Initial Flow Pressure 76 PSI
(C) First Final Flow Pressure 76 PSI
(D) Initial Shut-in Pressure 96 PSI
(E) Second Initial Flow Pressure 76 PSI
(F) Second Final Flow Pressure 76 PSI
(G) Final Shut-in Pressure 86 PSI
(H) Final Hydrostatic Mud 1621 PSI

Temperature
Mud Weight 9.2 Viscosity 45
Fluid Loss 8.0
Interval Tested 3203-3225
Anchor Length 22
Top Packer Depth 3198
Bottom Packer Depth 3203
Total Depth 3225
Drill Pipe Size 4½ XH
Wt. Pipe I. D. 2.7 Ft. Run 567
Recovery-Total Feet 5
Recovered 5 Feet Of Mud.
Recovered Feet Of
Recovered Feet Of
Recovered Feet Of
Recovered Feet Of
Recovered Feet Of

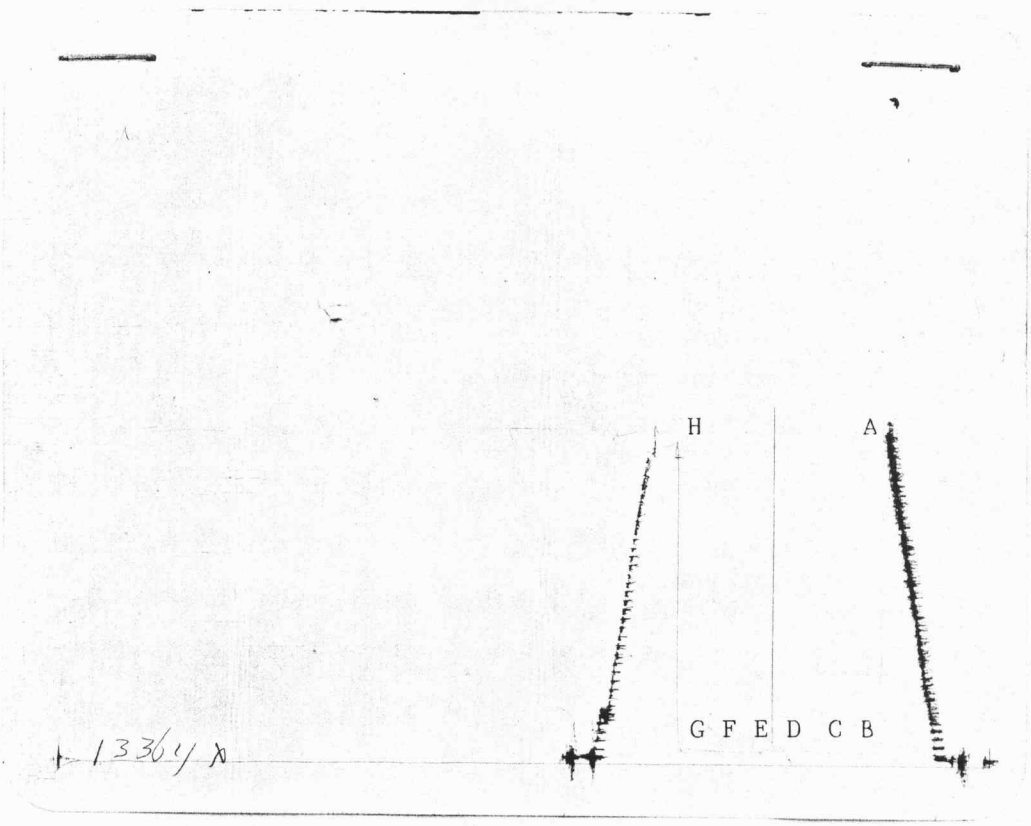
Recorder No. 13222 Type AK-1 Range 4000 PSI
Recorder Depth 3219 Clock # 23858

Tool Open Before I.S.I. 30 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 @ 8:24 PM

Blow Remarks 1st open: Weak ¼ inch blow, died in 25 minutes.
2nd open: No blow, flushed too, still no blow.

Extra Equipment Price of Job $625.00

MILLER PRINTERS, INC.
Great Bend, Kansas



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1650		PSI
(B)	First Initial Flow Pressure	76		PSI
(C)	First Final Flow Pressure	76		PSI
(D)	Initial Closed-in Pressure	96		PSI
(E)	Second Initial Flow Pressure	76		PSI
(F)	Second Final Flow Pressure	76		PSI
(G)	Final Closed-in Pressure	86		PSI
(H)	Final Hydrostatic Mud	1621		PSI

A.I. ABERCROMBIE INC. LEASE AND WELL NO. LLOYD COOK B-#2 SEC. 28 TWP. 7s RGE. 20w TEST NO. 3 DATE 11/7/84

CHENEY TESTING COMPANY, INC.

P. O. Box 367 HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company A.L. Abercrombie Inc.	Test No. 4
Well Name & Number Lloyd Cook B-#2	Zone Tested Kansas City
Company Address 801 Union Center Wichita, Ks.	Date 11/8/84
Company Rep. Mark Gaylon	Tester Paul Simpson
Contractor Abercrombie Drilling Company	Elevation 1961 Kb 1956 GL
Location: Sec. 28 Twp. 7s Rge. 20w Co. Rooks State Ks.	Est. Feet of Pay

Recorder No. 13364 Type AK-1 Range 3825 PSI
Recorder Depth 3255 Clock # 21123

(A) Initial Hydrostatic Mud 1640 PSI
(B) First Initial Flow Pressure 57 PSI
(C) First Final Flow Pressure 63 PSI
(D) Initial Shut-in Pressure 1104 PSI
(E) Second Initial Flow Pressure 63 PSI
(F) Second Final Flow Pressure 69 PSI
(G) Final Shut-in Pressure 980 PSI
(H) Final Hydrostatic Mud 1631 PSI

Temperature 102
Mud Weight 9.2 Viscosity 45
Fluid Loss 8.0
Interval Tested 3228-3256
Anchor Length 28
Top Packer Depth 3223
Bottom Packer Depth 3228
Total Depth 3256
Drill Pipe Size 4½ XH
Wt. Pipe I. D. 2.7 Ft. Run 567
Recovery-Total Feet 62
Recovered 62 Feet Of Muddy water.
Recovered ____ Feet Of
Recovered ____ Feet Of
Recovered ____ Feet Of
Recovered ____ Feet Of
Recovered ____ Feet Of

Extra Equipment ____ Price of Job $625.00

Recorder No. 13222 Type AK-1 Range 4000 PSI
Recorder Depth 3250 Clock # 23858

Tool Open Before I.S.I. 30 Mins.
Initial Shut-in 45 Mins.
Flow Period 60 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 @ 9:36 AM

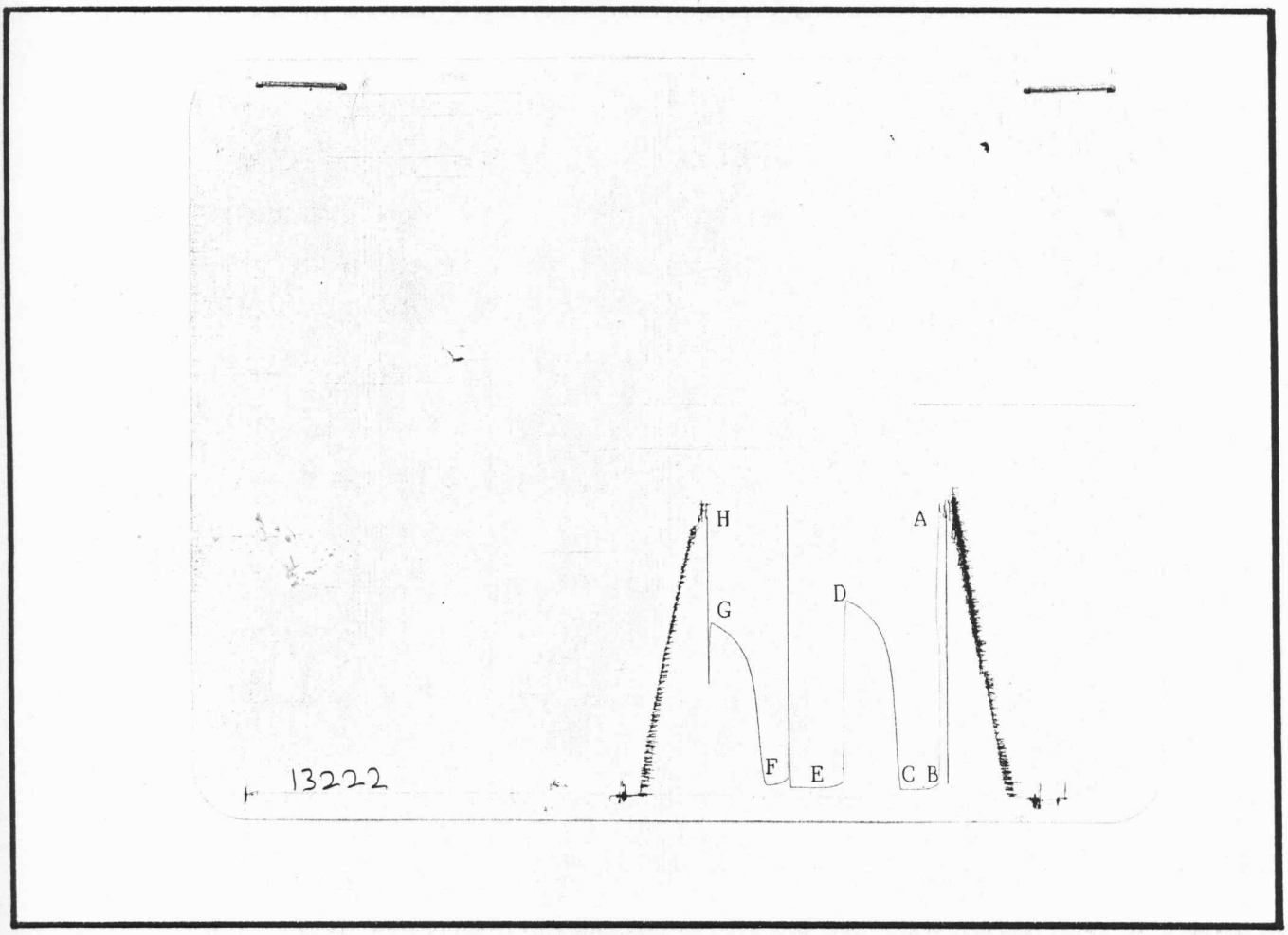
Blow Remarks 1st open: Weak ¼ inch blow, built to 1 inch.

2nd open: Weak surface blow, died in 45 minutes. Flushed tool, no blow.

Recovery Chlorides: 20,000 ppm.
Resistivity .30 ohms @ 78.0°F.
Mud Chlorides: 3,000 ppm.

MILLER PRINTERS, INC.
Great Bend, Kansas

COMPANY A.L. ABERCROMBIE INC. LEASE AND WELL NO. LLOYD COOK B-#2 SEC. 28 TWP. 7S RGE. 20W TEST NO. 4 DATE 11/8/84



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1640		PSI
(B)	First Initial Flow Pressure	57		PSI
(C)	First Final Flow Pressure	63		PSI
(D)	Initial Closed-in Pressure	1104		PSI
(E)	Second Initial Flow Pressure	63		PSI
(F)	Second Final Flow Pressure	69		PSI
(G)	Final Closed-in Pressure	980		PSI
(H)	Final Hydrostatic Mud	1631		PSI

CHENEY TESTING COMPANY, INC.

P. O. Box 367 HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company A.L. Abercrombie Inc.	Test No. 5
Well Name & Number Lloyd Cook B-#2	Zone Tested Kansas City
Company Address 801 Union Center Wichita, Ks.	Date 11/9/84
Company Rep. Mark Gaylon	Tester Paul Simpson
Contractor Abercrombie Drilling Company	Elevation 1961 KB 1956 GL
Location: Sec. 28 Twp. 7s Rge. 20w Co. Rooks State Ks.	Est. Feet of Pay

Recorder No. 13364 Type AK-1 Range 3825 PSI
Recorder Depth 3354 Clock # 21123

(A) Initial Hydrostatic Mud 1696 PSI
(B) First Initial Flow Pressure 50 PSI
(C) First Final Flow Pressure 50 PSI
(D) Initial Shut-in Pressure 414 PSI
(E) Second Initial Flow Pressure 50 PSI
(F) Second Final Flow Pressure 50 PSI
(G) Final Shut-in Pressure 123 PSI
(H) Final Hydrostatic Mud 1626 PSI

Temperature 103
Mud Weight 9.2 Viscosity 45
Fluid Loss 8.0
Interval Tested 3287-3355
Anchor Length 68
Top Packer Depth 3282
Bottom Packer Depth 3287
Total Depth 3355
Drill Pipe Size 4½ XH
Wt. Pipe I. D. 2.7 Ft. Run 567
Recovery-Total Feet 31

Recovered 30 Feet Of Mud.
Recovered 1 Feet Of Oil Specked mud.
Recovered ____ Feet Of
Recovered ____ Feet Of
Recovered ____ Feet Of
Recovered ____ Feet Of

Extra Equipment ____ Price of Job $625.00

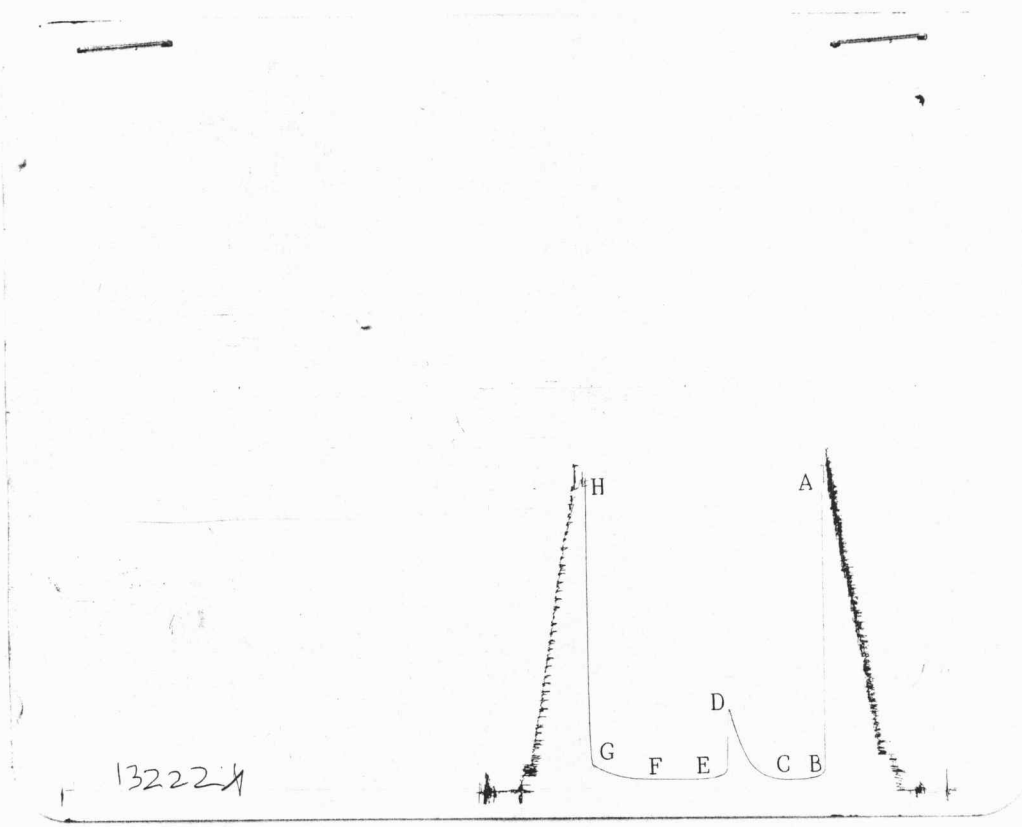
Recorder No. 13222 Type AK-1 Range 4000 PSI
Recorder Depth 3349 Clock # 23858

Tool Open Before I.S.I. 30 Mins.
Initial Shut-in 45 Mins.
Flow Period 60 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 @ 1:55 AM

Blow Remarks 1st open: Weak ¼ inch blow, increasing to 1 inch blow.
2nd open: Weak ¼ inch blow.
Oil scum in tool.

MILLER PRINTERS, INC.
Great Bend, Kansas

COMPANY A. LABERCROMBIE INC. LEASE AND WELL NO. LLOYD COOK B-#2 SEC. 28 TWP. 7S RGE. 20W TEST NO. 5 DATE 11/9/84



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1696		PSI
(B)	First Initial Flow Pressure	50		PSI
(C)	First Final Flow Pressure	50		PSI
(D)	Initial Closed-in Pressure	414		PSI
(E)	Second Initial Flow Pressure	50		PSI
(F)	Second Final Flow Pressure	50		PSI
(G)	Final Closed-in Pressure	123		PSI
(H)	Final Hydrostatic Mud	1626		PSI

CHENEY TESTING COMPANY, INC.

P. O. Box 367 HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company A.L. Abercrombie Inc.	Test No. 6
Well Name & Number Lloyd Cook B-#2	Zone Tested Arbuckle
Company Address 801 Union Center Wichita, Ks.	Date 11/9/84
Company Rep. mark Gaylon	Tester Paul Simpson
Contractor Abercrombie Drilling Company	Elevation 1961 KB
Location: Sec. 28 Twp. 7s Rge. 20w Co. Rooks State Ks.	Est. Feet of Pay 10

Recorder No. 13364 Type AK-1 Range 3825 PSI
Recorder Depth 3447 Clock # 21123

(A) Initial Hydrostatic Mud 1833 PSI
(B) First Initial Flow Pressure 67 PSI
(C) First Final Flow Pressure 71 PSI
(D) Initial Shut-in Pressure 167 PSI
(E) Second Initial Flow Pressure 76 PSI
(F) Second Final Flow Pressure ---- PSI
(G) Final Shut-in Pressure ---- PSI
(H) Final Hydrostatic Mud ---- PSI

Temperature 104
Mud Weight 9.3 Viscosity 46
Fluid Loss 11.2
Interval Tested 3406-3453
Anchor Length 47
Top Packer Depth 3401
Bottom Packer Depth 3406
Total Depth 3453
Drill Pipe Size 4½ XH
Wt. Pipe I. D. 2.7 Ft. Run 567
Recovery-Total Feet 435
Recovered 435 Feet Of Mud.
Recovered Feet Of
Recovered Feet Of
Recovered Feet Of
Recovered Feet Of
Recovered Feet Of

Extra Equipment

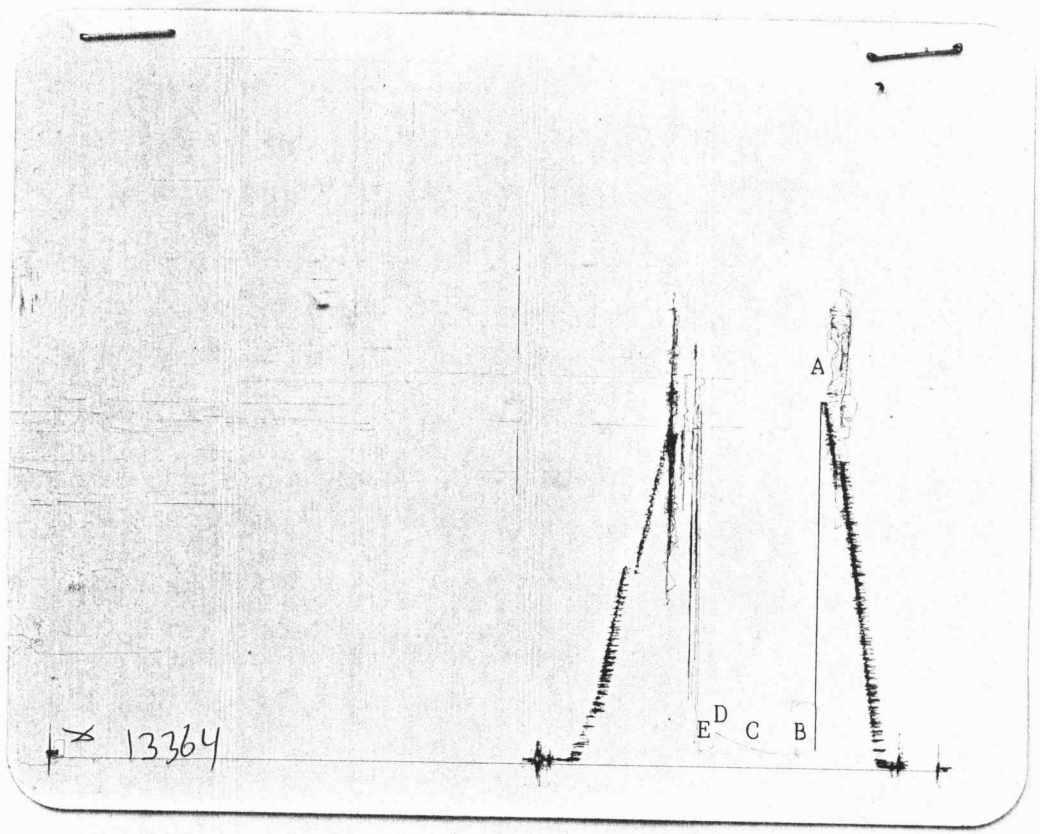
Recorder No. 13222 Type AK-1 Range 4000 PSI
Recorder Depth 3452 Clock # 23858
Tool Open Before I.S.I. 30 Mins.
Initial Shut-in 45 Mins.
Flow Period 12 Mins.
Final Shut-in 0 Mins.
Top Choke Size 1" Hole Size 7 7/8"
Bottom Choke Size 3/4" Rubber Size 6 3/4"
Tool Open @ 8:37

Blow Remarks 1st open: Weak 1 inch blow, decreasing to a ¼ inch.
2nd open: Weak surface blow, died in 2 minutes. Flushed tool, no blow.
Packer failed after flush
Lost packet seat.

Price of Job $625.00

MILLER PRINTERS, INC.
Great Bend, Kansas

COMPANY A.L. ABERCROMBIE INC. LEASE AND WELL NO. LLOYD COOK B-#2 SEC. 28 TWP. 7s RGE. 20w TEST NO. 6 DATE 11/9/84



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	1833		PSI
(B)	First Initial Flow Pressure	67		PSI
(C)	First Final Flow Pressure	71		PSI
(D)	Initial Closed-in Pressure	167		PSI
(E)	Second Initial Flow Pressure	76		PSI
(F)	Second Final Flow Pressure	----		PSI
(G)	Final Closed-in Pressure	----		PSI
(H)	Final Hydrostatic Mud	----		PSI