CHENEY TESTING COMPANY

P. O. BOX 3 HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	A.L. Abercrombie Inc.	Test No.	1
Well Name & Number	Robertson #2	Zone Tested	Toronto
Company Address	801 Union Center, Wichita, Kan.	Date	6-21-76
Comp. Rep.	Charles Johnson	Tester	Kenneth Cheney
Contractor	Abercrombie Drlg. Inc.	Elevation	2871 K.B.
Location: Sec. 21 Twp. 5S Rge. 30W Co. Decatur State Kan.		Est. Feet of Pay	

Recorder No. 1760 Type Kuster Range 3500 PSI
Recorder Depth 3910
(A) Initial Hydrostatic Mud 2055 PSI
(B) First Initial Flow Pressure 25 PSI
(C) First Final Flow Pressure 30 PSI
(D) Initial Closed-in Pressure 1247 PSI
(E) Second Initial Flow Pressure 43 PSI
(F) Second Final Flow Pressure 49 PSI
(G) Final Closed-in Pressure 1160 PSI
(H) Final Hydrostatic Mud 2035 PSI
Temperature 120
Mud Weight 9.7 Viscosity 40
Fluid Loss 9.0
Interval Tested 3883-3918
Anchor Length 35'
Top Packer Depth 3878
Bottom Packer Depth 3883
Total Depth 3918
Drill Pipe Size 4½ Ex.H.
Wt. Pipe I. D. 2.7 Ft. Run 320
Recovery—Total Feet 50
Recovered 50 Feet Of thin mud.
Recovered Feet Of
Recovered Feet Of
Recovered Feet Of

Recorder No 2836 Type Kuster Range 3550 PSI
Recorder Depth 3912
Tool Open Before I. S. I. 30 Mins.
Initial Shut-in 45 Mins.
Flow Period 60 Mins.
Final Shut-in 45 Mins.
Surface Choke Size 1"
Bottom Choke Size ½"
Main Hole Size 7 7/8"
Rubber Size 6 3/4"
Tool Open @ 11:20 P.M.
Blow ~~very weak through out.~~
Remarks
Drill Collar I. D. Ft. Run

Extra Equipment Price of Job $340.00

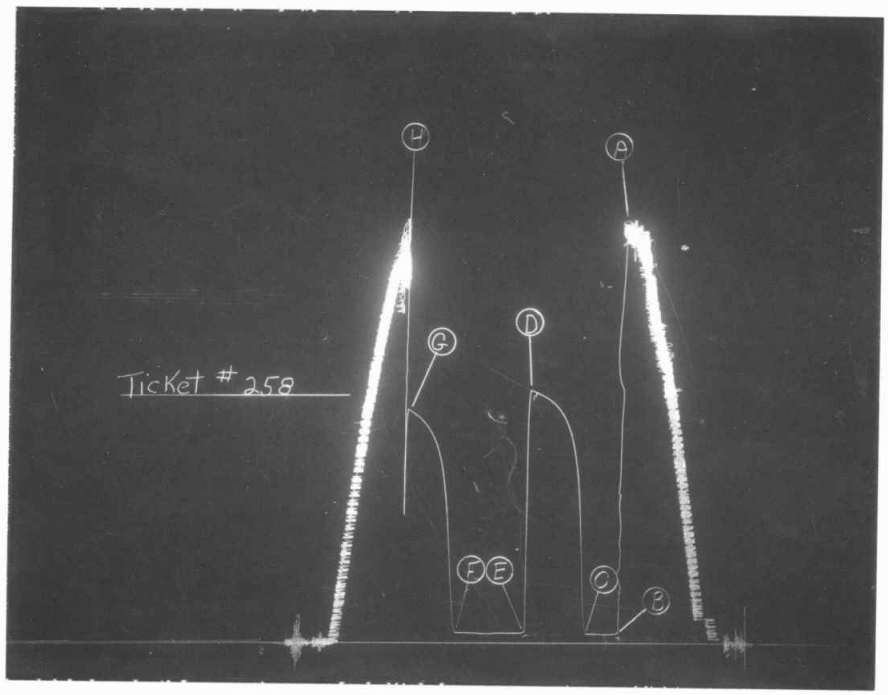
THIS ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED.

CONDITIONS: It is expressly understood and agreed that the above described work shall be done under the exclusive control, direction and supervision of the owner or contractor. As a part of the consideration for this agreement, it is expressly understood and agreed that Cheney Testing Company shall not be responsible for damages or losses of any kind whatsoever occasioned by or incident to the use of the above described Tools, whether run or operated by customer, or by anyone employed directly or indirectly by Cheney Testing Company, nor whether resulting from the acts or omissions of Cheney Testing Company, or any of its agents, servants or employees in any way connected with or related to the use of such Tools.

It is expressly understood and agreed that Cheney Testing Company, shall not be bound by any agreement, not herein contained, and no agent or representative connected with or employed by Cheney Testing Company has authority to alter or extend the terms of this agreement. I have read and understand the terms of this agreement and represent that I am authorized to sign the same as agent of customer.

By _____

Owner, Operator or his Agent



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2055		PSI
(B)	First Initial Flow Pressure	25		PSI
(C)	First Final Flow Pressure	30		PSI
(D)	Initial Closed-in Pressure	1247		PSI
(E)	Second Initial Flow Pressure	43		PSI
(F)	Second Final Flow Pressure	49		PSI
(G)	Final Closed-in Pressure	1160		PSI
(H)	Final Hydrostatic Mud	2035		PSI

COMPANY A.L. ABERCROMBIE INC. LEASE AND WELL NO. ROBERTSON #2 SEC. 21 TWP. 5S RGE. 30W TEST NO. 1 DATE 6-21-76

SUN OILWELL CEMENTING, INC.

TEMPERATURE SURVEY.

GREAT BEND, KANSAS

File Robertson #2 well file

Company A. L. Abercrombie Date 6-25-76

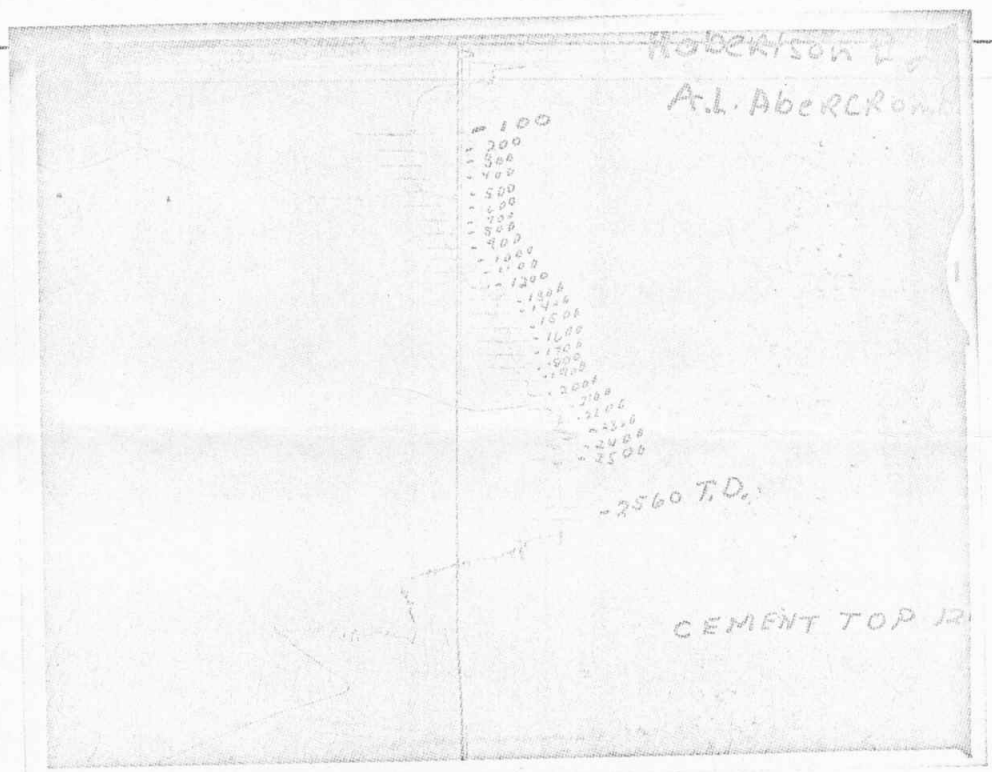
Well No. #2 Lease Robertson County Decatur Sec. 21 Twp. 5 Rge. 30

Depth of well 2112 Depth of Csg. Cmtd. 2600 Size Csg. 7" Size of Hole 8 3/4"

Amount of Cement 550 sx 50/50 poz cem. 6% Gel 100# Com Com 2% gel 10# Salt

Surveyed from 100' to 2560' at 100' p. m. Cement Top 1200'

Remarks Cement Leften Pipe 30'



CHENEY TESTING COMPANY

P. O. BOX 3 HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	A.L. Abercrombie Inc.	Test No.	2
Well Name & Number	Robertson #2	Zone Tested	Kansas City
Company Address	801 Union Center	Date	6-22-76
Comp. Rep.	Charles Johnson	Tester	Kenneth Cheney
Contractor	Abercrombie Drlg. Inc.	Elevation	2871
Location: Sec. 21 Twp. 5S Rge. 30W Co. Decatur State Kan		Est. Feet of Pay	

Recorder No. 1760 Type Kuster Range 3500 PSI
Recorder Depth 4002
(A) Initial Hydrostatic Mud 2082 PSI
(B) First Initial Flow Pressure 42 PSI
(C) First Final Flow Pressure 42 PSI
(D) Initial Closed-in Pressure 136 PSI
(E) Second Initial Flow Pressure 42 PSI
(F) Second Final Flow Pressure 42 PSI
(G) Final Closed-in Pressure False PSI
(H) Final Hydrostatic Mud 2073 PSI
Temperature 119
Mud Weight 9.7 Viscosity 40
Fluid Loss 10.2
Interval Tested 3988-4010
Anchor Length 22
Top Packer Depth 3983
Bottom Packer Depth 3988
Total Depth 4010
Drill Pipe Size 4½ Ex.H.
Wt. Pipe I. D. 2.7 Ft. Run 320
Recovery—Total Feet 40

Recorder No. 2836 Type Kuster Range 3550 PSI
Recorder Depth 4004
Tool Open Before I. S. I. 30 Mins.
Initial Shut-in 45 Mins.
Flow Period 30 Mins.
Final Shut-in 45 Mins.
Surface Choke Size 1"
Bottom Choke Size ½"
Main Hole Size 7 7/8"
Rubber Size 6 3/4"
Tool Open @ 5:25 P.M.
Blow weak for 30 minutes.
Remarks Picked up tool to high on F.C.I.P. causing excess presure.

Drill Collar I. D. ____ Ft. Run ____

Recovered 40 Feet Of thin mud with spots of oil in top of tool.
Recovered ____ Feet Of ____
Recovered ____ Feet Of ____
Recovered ____ Feet Of ____
Extra Equipment ____ Price of Job $375.00

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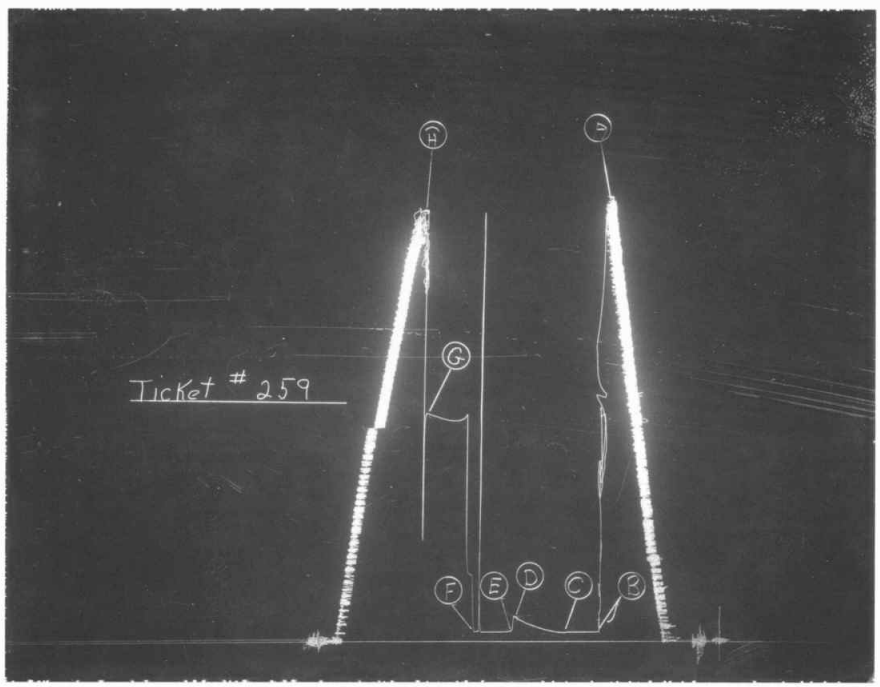
By _____

Owner, Operator or his Agent



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2082		PSI
(B)	First Initial Flow Pressure	42		PSI
(C)	First Final Flow Pressure	42		PSI
(D)	Initial Closed-in Pressure	136		PSI
(E)	Second Initial Flow Pressure	42		PSI
(F)	Second Final Flow Pressure	42		PSI
(G)	Final Closed-in Pressure	False		PSI
(H)	Final Hydrostatic Mud	2073		PSI

COMPANY A.L. ABERCROMBIE INC. LEASE AND WELL NO. ROBERTSON #2 SEC. 21 TWP. 5S RGE. 30W TEST NO. 2 DATE 6-22-76

CHENEY TESTING COMPANY

P. O. BOX 3 HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	A.L. Abercrombie Inc.	Test No.	3
Well Name & Number	Robertson #2	Zone Tested	Kansas City
Company Address	801 Union Center	Date	6-23-76
Comp. Rep.	Charles Johnson	Tester	Kenneth Cheney
Contractor	Aber rombie Drlg. Inc.	Elevation	2871 K.B.
Location: Sec. 21 Twp. 5S Rge. 30W Co. Decatur State Kan		Est. Feet of Pay	3

Recorder No. 1760 Type Kuster Range 3500 PSI

Recorder Depth 4105

(A) Initial Hydrostatic Mud 2127 PSI

(B) First Initial Flow Pressure 30 PSI

(C) First Final Flow Pressure 30 PSI

(D) Initial Closed-in Pressure 68 PSI

(E) Second Initial Flow Pressure 30 PSI

(F) Second Final Flow Pressure 35 PSI

(G) Final Closed-in Pressure 48 PSI

(H) Final Hydrostatic Mud 2100 PSI

Temperature 120

Mud Weight 9.7 Viscosity 42

Fluid Loss 14.4

Interval Tested 4087-4112

Anchor Length 25

Top Packer Depth 4082

Bottom Packer Depth 4087

Total Depth 4112

Drill Pipe Size 4½ Ex.H.

Wt. Pipe I. D. 2.7 Ft. Run 320

Recovery—Total Feet 5

Recovered 5 Feet Of mud

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Extra Equipment

Recorder No. 2836 Type Kuster Range 3550 PSI

Recorder Depth 4107

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

Initial Shut-in 45 Mins.

Flow Period 30 Mins.

Final Shut-in 45 Mins.

Surface Choke Size 1"

Bottom Choke Size ½"

Main Hole Size 7 7/8"

Rubber Size 6 3/4"

Tool Open @ 6:30 P.M.

Blow very weak for 30 minutes.

Remarks

Drill Collar I. D. Ft. Run

Price of Job $375.00

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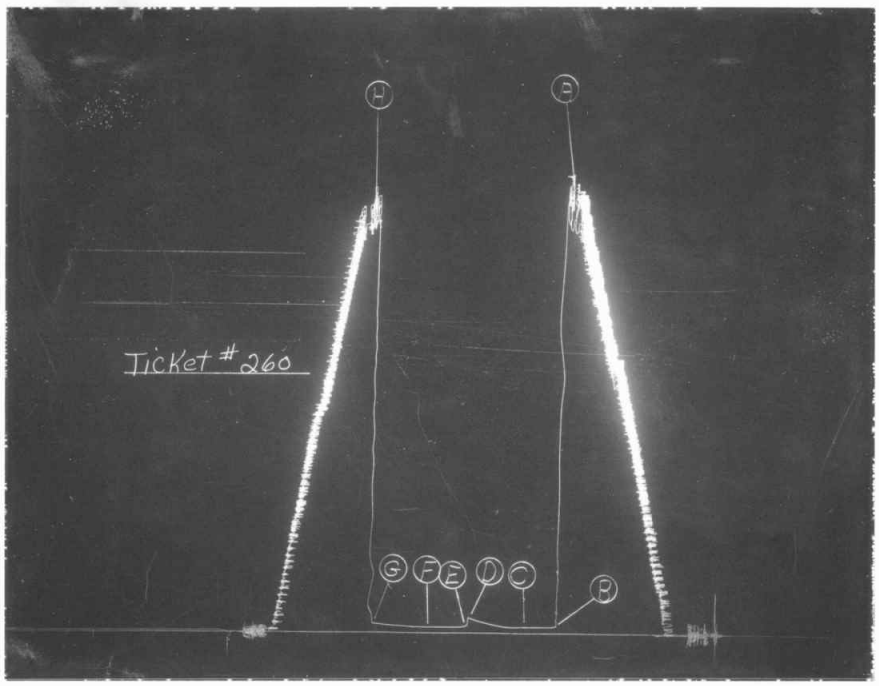

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POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2127		PSI
(B)	First Initial Flow Pressure	30		PSI
(C)	First Final Flow Pressure	30		PSI
(D)	Initial Closed-in Pressure	68		PSI
(E)	Second Initial Flow Pressure	30		PSI
(F)	Second Final Flow Pressure	35		PSI
(G)	Final Closed-in Pressure	48		PSI
(H)	Final Hydrostatic Mud	2100		PSI

COMPANY A.L. ABERCROMBIE INC. LEASE AND WELL NO. ROBERTSON #2 SEC. 21 TWP. 5S RGE. 30W TEST NO. 3 DATE 6-23-76