

CHENEY TESTING COMPANY

P. O. BOX 3

HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA 15-039-20345

21-153-2law

Company Abercrombie Drlg. Inc.	Test No. 1
Well Name & Number Cook #1 (Helen)	Zone Tested K.C.
Company Address 801 Union Center	Date 7-3-76
Comp. Rep. Jack Wharton	Tester Kenneth Cheney
Contractor Co. Tools	Elevation
Location: Sec. 21 Twp. 15 Rge. 26w Co. Decatur State Ks	Est. Feet of Pay

Recorder No. **3695** Type **Kuster** Range **5300** PSI

Recorder Depth **3236**

(A) Initial Hydrostatic Mud **1753** PSI

(B) First Initial Flow Pressure **26** PSI

(C) First Final Flow Pressure **92** PSI

(D) Initial Closed-in Pressure **912** PSI

(E) Second Initial Flow Pressure **105** PSI

(F) Second Final Flow Pressure **158** PSI

(G) Final Closed-in Pressure **873** PSI

(H) Final Hydrostatic Mud **1730** PSI

Temperature **100**

Mud Weight **10.0** Viscosity **41**

Fluid Loss **10.8**

Interval Tested **3192-3240**

Anchor Length **48**

Top Packer Depth **3187**

Bottom Packer Depth **3192**

Total Depth **3240**

Drill Pipe Size **3 1/2 If & 4 1/2 F.h.**

Wt. Pipe I. D. **2.7** Ft. Run **8.27**

Recovery—Total Feet **260**

Recovered **260** Feet Of **Thick mud with few oil spots**

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Extra Equipment **None** Price of Job **\$340.00**

Recorder No. **203** Type **H&T** Range **4000** PSI

Recorder Depth **3234**

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 **1/2"**

Main Hole Size **7 7/8"**

Rubber Size **6 3/4"**

Tool Open @ **3:00 p.m.**

Blow **good**

Remarks _____

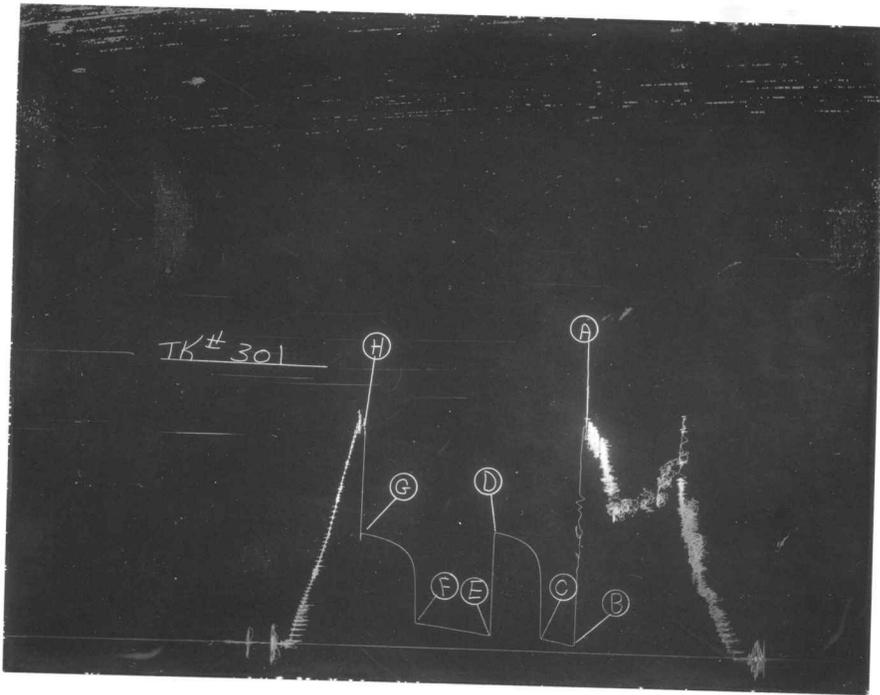
Drill Collar I. D. _____ Ft. Run _____

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.



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1753		PSI
(B) First Initial Flow Pressure	26		PSI
(C) First Final Flow Pressure	92		PSI
(D) Initial Closed-in Pressure	912		PSI
(E) Second Initial Flow Pressure	105		PSI
(F) Second Final Flow Pressure	158		PSI
(G) Final Closed-in Pressure	873		PSI
(H) Final Hydrostatic Mud	1730		PSI

CHENEY TESTING COMPANY

P. O. BOX 3 HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

21-15-26w

Company <u>Abercrombie Drlg. Inc.</u>	Test No. <u>2</u>
Well Name & Number <u>Cook #1 (Helen)</u>	Zone Tested <u>K.C.</u>
Company Address <u>801 Union Center</u>	Date <u>7-4-76</u>
Comp. Rep. <u>Jack Whanton</u>	Tester <u>Kenneth Cheney</u>
Contractor <u>Abercrombie Drlg. Inc.</u>	Elevation <u>2426KB</u>
Location: Sec. <u>21</u> Twp. <u>15</u> Rge. <u>26w</u> Co. <u>Decatur</u> State <u>Ks</u>	Est. Feet of Pay

Recorder No. 3695 Type Kuster Range 5300 PSI

Recorder Depth 3262

(A) Initial Hydrostatic Mud 1779 PSI

(B) First Initial Flow Pressure 21 PSI

(C) First Final Flow Pressure 21 PSI

(D) Initial Closed-in Pressure 1005 PSI

(E) Second Initial Flow Pressure 26 PSI

(F) Second Final Flow Pressure 26 PSI

(G) Final Closed-in Pressure 978 PSI

(H) Final Hydrostatic Mud 1750 PSI

Temperature 100

Mud Weight 9.8 Viscosity 41

Fluid Loss 10.8 cc.

Interval Tested 3246-3265

Anchor Length 19'

Top Packer Depth 3241

Bottom Packer Depth 3246

Total Depth 3265

Drill Pipe Size 3 1/2 IF & 4 1/2 F.H.

Wt. Pipe I. D. 2.7 Ft. Run 827

Recovery—Total Feet 20

Recovered 20 Feet Of Mud

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Extra Equipment None

Recorder No. 203 Type H&T Range 4000 PSI

Recorder Depth 3264

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

Initial Shut-in 30 Mins.

Flow Period 30 Mins.

Final Shut-in 30 Mins.

Surface Choke Size 1"

Bottom Choke Size 1/2

Main Hole Size 7 7/8

Rubber Size 6 3/4

Tool Open @ 8:40 a.m.

Blow weak for 20 min.

Remarks _____

Drill Collar I. D. _____ Ft. Run _____

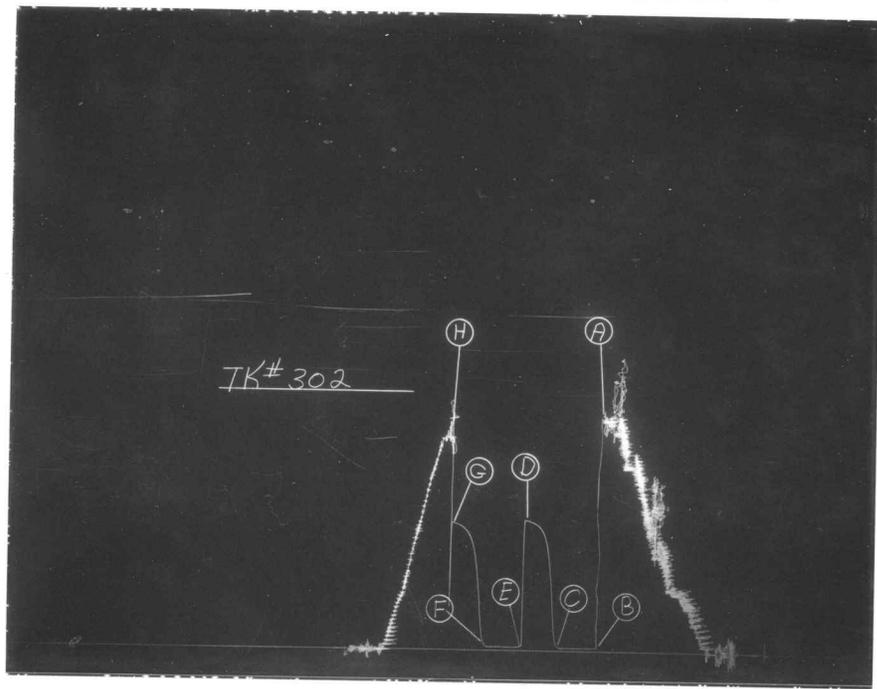
Price of Job \$340.00

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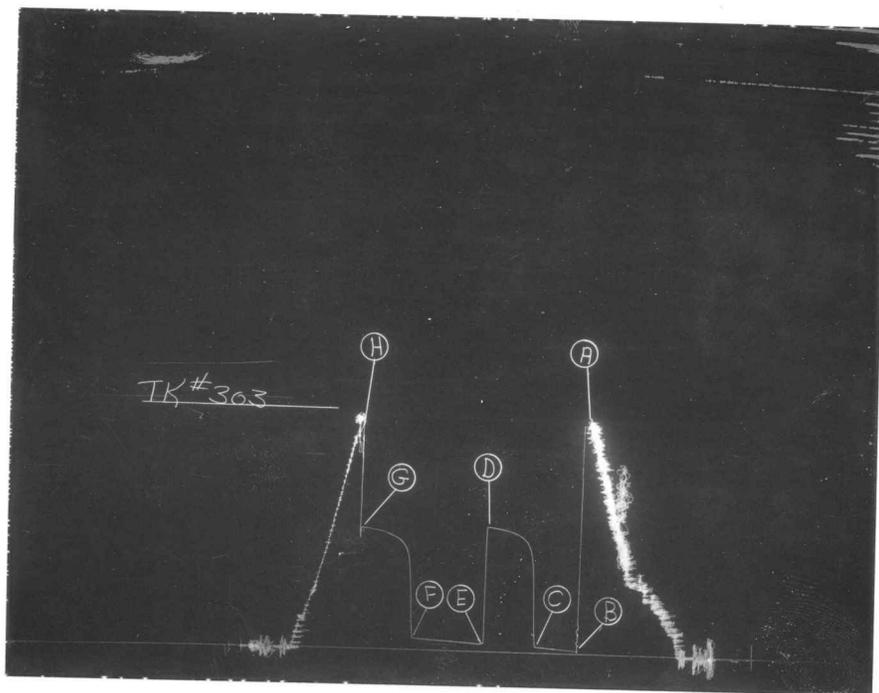
the acts or omissions of Cheney Testing Company, or any of its agents, servants or employees in any way connected with or related to the use of such Tools.

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POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1779	PSI
(B) First Initial Flow Pressure	21	PSI
(C) First Final Flow Pressure	21	PSI
(D) Initial Closed-in Pressure	1005	PSI
(E) Second Initial Flow Pressure	26	PSI
(F) Second Final Flow Pressure	26	PSI
(G) Final Closed-in Pressure	978	PSI
(H) Final Hydrostatic Mud	1750	PSI



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1766		
(B) First Initial Flow Pressure	7		
(C) First Final Flow Pressure	26		
(D) Initial Closed-in Pressure	952		
(E) Second Initial Flow Pressure	39		
(F) Second Final Flow Pressure	66		
(G) Final Closed-in Pressure	925		
(H) Final Hydrostatic Mud	1760		