

CHENEY TESTING COMPANY

P. O. BOX 3

HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Abercrombie Drlg. Inc.	Test No.	1
Well Name & Number	Huff F-1	Zone Tested	K.C.
Company Address	801 Union Center	Date	1-26-77
Comp. Rep.	Jack Whorton	Tester	Kirk Cheney
Contractor	Co. Tools	Elevation	2541 K.B.
Location: Sec. 15 Twp. 1 S Rge. 27 W Co. Decatur State KS		Est. Feet of Pay	

Recorder No. **3965** Type **Kuster** Range **5300** PSI

Recorder Depth **3237**

(A) Initial Hydrostatic Mud **1543** PSI

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

(C) First Final Flow Pressure **39** PSI

(D) Initial Closed-in Pressure **806** PSI

(E) Second Initial Flow Pressure **52** PSI

(F) Second Final Flow Pressure **66** PSI

(G) Final Closed-in Pressure **621** PSI

(H) Final Hydrostatic Mud **1530** PSI

Temperature **103**

Mud Weight **9.1** Viscosity **44**

Fluid Loss **6.4**

Interval Tested **3196-3240**

Anchor Length **44'**

Top Packer Depth **3191**

Bottom Packer Depth **3196**

Total Depth **3240**

Drill Pipe Size **3 1/2 I.F.**

Wt. Pipe I. D. **2.25** Ft. Run **340**

Recovery—Total Feet **115**

Recovered **115** Feet Of **Muddy Water**

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Extra Equipment **None**

Recorder No. **2836** Type **Kuster** Range **3550** 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 **6 3/4"**

Rubber Size **5 1/2"**

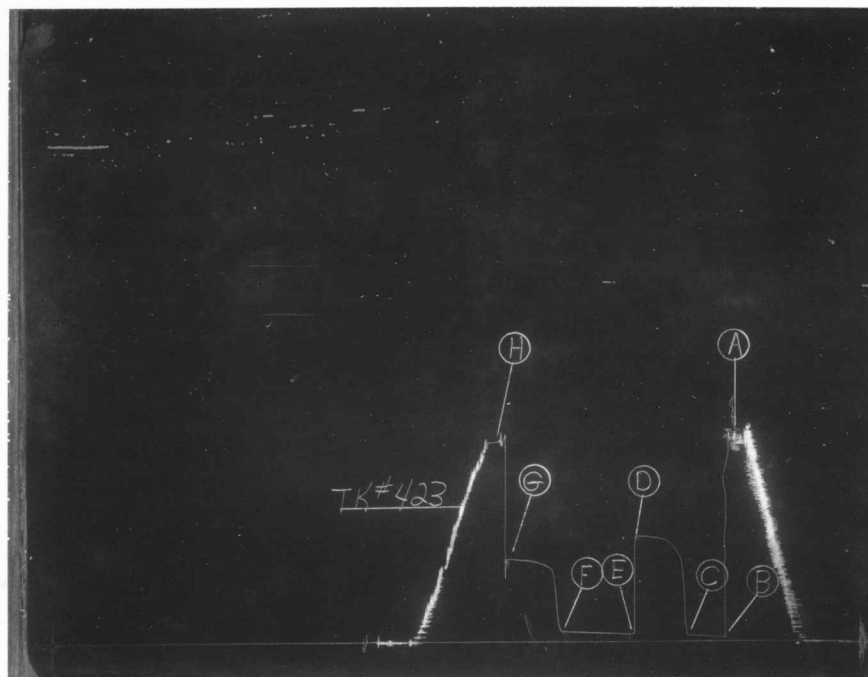
Tool Open @ **4:27 A.M.**

Blow **Weak through out.**

Remarks _____

Drill Collar I. D. **2.25** Ft. Run **288**

Price of Job **\$380.00**



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1543	PSI
(B) First Initial Flow Pressure	26	PSI
(C) First Final Flow Pressure	39	PSI
(D) Initial Closed-in Pressure	806	PSI
(E) Second Initial Flow Pressure	52	PSI
(F) Second Final Flow Pressure	66	PSI
(G) Final Closed-in Pressure	621	PSI
(H) Final Hydrostatic Mud	1530	PSI

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DRILL-STEM TEST DATA

Company Abercrombie Drlg. Inc.	Test No. 2
Well Name & Number Huff F-1	Zone Tested K.C.
Company Address 801 Union Center	Date 1-27-77
Comp. Rep. Jack Wharton	Tester Kirk Cheney
Contractor Co. Tools	Elevation
Location: Sec. 15 Twp. 1 S Rge. 27 W Co. Decatur State KS	Est. Feet of Pay

Recorder No. **3965** Type **Kuster** Range **5300** PSI

Recorder Depth **3282**

(A) Initial Hydrostatic Mud **1569** PSI

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

(C) First Final Flow Pressure **39** PSI

(D) Initial Closed-in Pressure **462** PSI

(E) Second Initial Flow Pressure **79** PSI

(F) Second Final Flow Pressure **132** PSI

(G) Final Closed-in Pressure **330** PSI

(H) Final Hydrostatic Mud **1556** PSI

Temperature **103**

Mud Weight **9.0** Viscosity **44**

Fluid Loss **6.4**

Interval Tested **3238-3285**

Anchor Length **47'**

Top Packer Depth **3233**

Bottom Packer Depth **3238**

Total Depth **3285**

Drill Pipe Size **3 1/2 I.F.**

Wt. Pipe I. D. **2.25** Ft. Run **340**

Recovery—Total Feet **290**

Recovered **290** Feet Of **Muddy water**

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Extra Equipment **None**

Recorder No. **2836** Type **Kuster** Range **3550** PSI

Recorder Depth **3279**

Tool Open Before I. S. I. **15** 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 "**

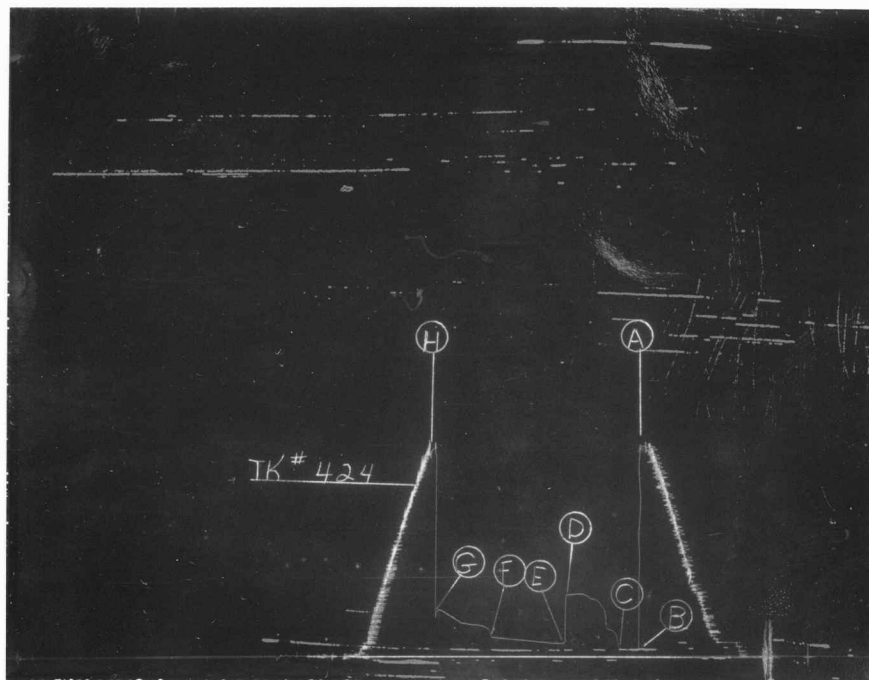
Tool Open @ **12:05 A.M.**

Blow **Good through out**

Remarks _____

Drill Collar I. D. **2.25** Ft. Run **288**

Price of Job **\$380.00**



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1569	PSI
(B) First Initial Flow Pressure	26	PSI
(C) First Final Flow Pressure	39	PSI
(D) Initial Closed-in Pressure	462	PSI
(E) Second Initial Flow Pressure	79	PSI
(F) Second Final Flow Pressure	132	PSI
(G) Final Closed-in Pressure	330	PSI
(H) Final Hydrostatic Mud	1556	PSI

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HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	<u>Abercrombie Drlg. Inc.</u>	Test No.	<u>3</u>
Well Name & Number	<u>Huff #1</u>	Zone Tested	<u>Kansas City</u>
Company Address	<u>801 Union Center</u>	Date	<u>1-28-77</u>
Comp. Rep.	<u>Jack Wharton</u>	Tester	<u>Kirk Cheney</u>
Contractor	<u>Company Tools</u>	Elevation	<u>2541 K.B.</u>
Location: Sec. <u>15</u> Twp. <u>1S</u> Rge. <u>27W</u> Co. <u>Decatur</u> State <u>Kan.</u>		Est. Feet of Pay	

Recorder No. 3965 Type Kuster Range 5300 PSI

Recorder Depth 3322

(A) Initial Hydrostatic Mud 1582 PSI

(B) First Initial Flow Pressure 26 PSI

(C) First Final Flow Pressure 26 PSI

(D) Initial Closed-in Pressure 211 PSI

(E) Second Initial Flow Pressure 26 PSI

(F) Second Final Flow Pressure 26 PSI

(G) Final Closed-in Pressure 105 PSI

(H) Final Hydrostatic Mud 1569 PSI

Temperature 104

Mud Weight 9.0 Viscosity 47

Fluid Loss 6.4 cc

Interval Tested 3283-3325

Anchor Length 42'

Top Packer Depth 3278

Bottom Packer Depth 3283

Total Depth 3325

Drill Pipe Size 3 1/2 I.F.

Wt. Pipe I. D. 2.25 Ft. Run 340

Recovery—Total Feet 10

Recovered 10 Feet Of Oil cut mud.

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Extra Equipment _____ Price of Job \$380.00

Recorder No. 2836 Type Kuster Range 3550 PSI

Recorder Depth 3319

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 1/2"

Main Hole Size 6 3/4"

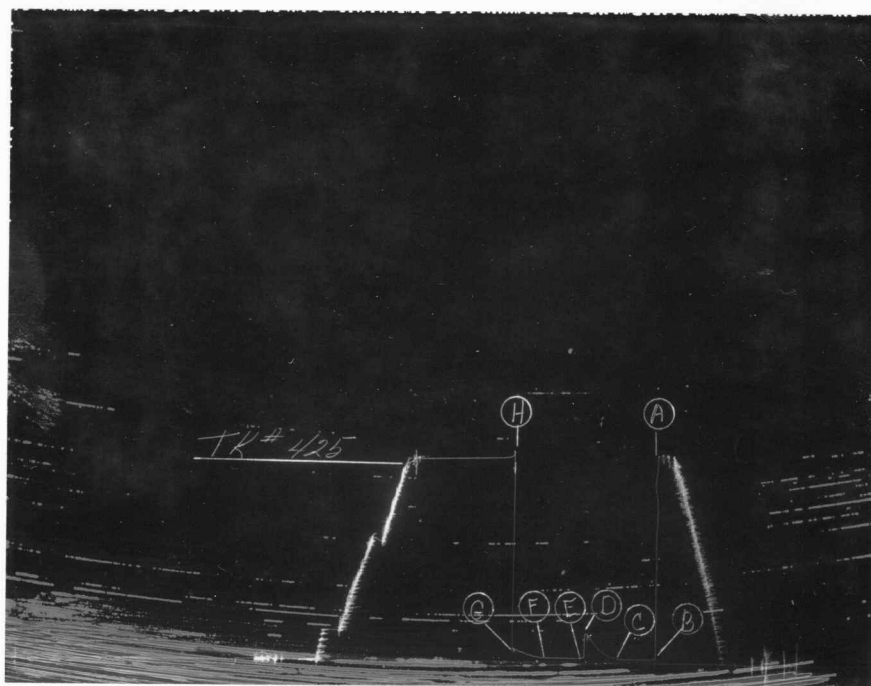
Rubber Size 5 1/2"

Tool Open @ 12:35 A.M.

Blow Weak for 25 minutes.

Remarks _____

Drill Collar I. D. 2.25 Ft. Run 288



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1582	PSI
(B) First Initial Flow Pressure	26	PSI
(C) First Final Flow Pressure	26	PSI
(D) Initial Closed-in Pressure	211	PSI
(E) Second Initial Flow Pressure	26	PSI
(F) Second Final Flow Pressure	26	PSI
(G) Final Closed-in Pressure	105	PSI
(H) Final Hydrostatic Mud	1569	PSI

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HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company Abercrombie Drlg. Inc.	Test No. 4
Well Name & Number Huff 'F' #1	Zone Tested Kansas City
Company Address 801 Union Center	Date 1-28-77
Comp. Rep. Jack Wharton	Tester Kirk Cheney
Contractor Company Tools	Elevation 2541 K.B.
Location: Sec. 15 Twp. 1S Rge. 27W Co. Decatur State Kan	Est. Feet of Pay

Recorder No. **3965** Type **Kuster** Range **5300** PSI

Recorder Depth **3420**

(A) Initial Hydrostatic Mud **1595** PSI

(B) First Initial Flow Pressure **39** PSI

(C) First Final Flow Pressure **52** PSI

(D) Initial Closed-in Pressure **119** PSI

(E) Second Initial Flow Pressure **66** PSI

(F) Second Final Flow Pressure **79** PSI

(G) Final Closed-in Pressure **92** PSI

(H) Final Hydrostatic Mud **1582** PSI

Temperature **105**

Mud Weight **8.9** Viscosity **43**

Fluid Loss **6.4 cc**

Interval Tested **3356-3423**

Anchor Length **67'**

Top Packer Depth **3351**

Bottom Packer Depth **3356**

Total Depth **3423**

Drill Pipe Size **3 1/2 I.F.**

Wt. Pipe I. D. **2.7** Ft. Run **340**

Recovery—Total Feet **66**

Recovered **66** Feet Of **Mud with a few oil spots.**

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Extra Equipment _____ Price of Job **\$380.00**

Recorder No. **2836** Type **Kuster** Range **3550** PSI

Recorder Depth **3417**

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 **6 3/4"**

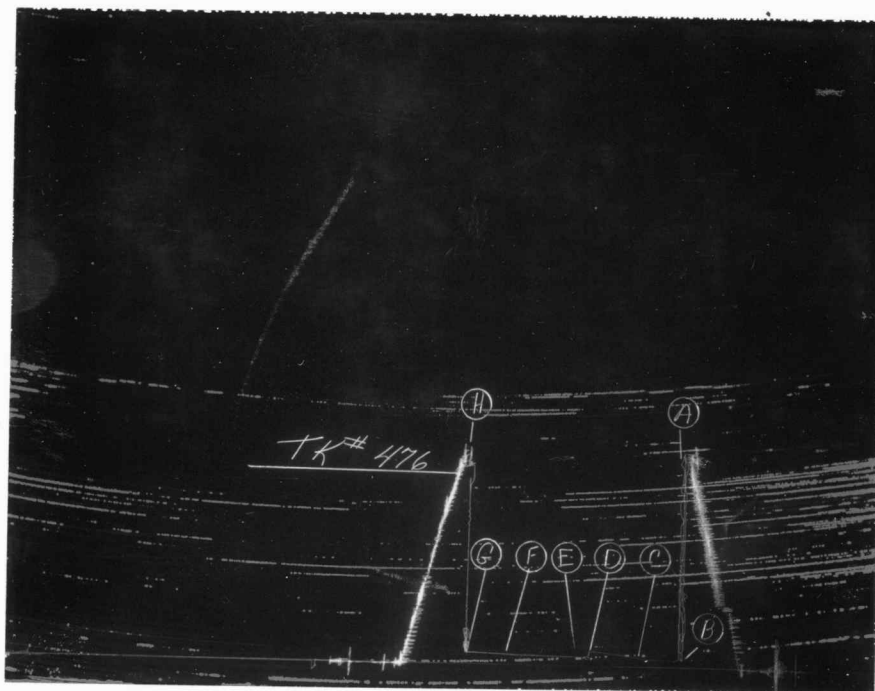
Rubber Size **5 1/2"**

Tool Open @ **9:40 P.M.**

Blow **Weak for 40 minutes & died.**

Remarks _____

Drill Collar I. D. **2.7** Ft. Run **288**



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1595	PSI
(B) First Initial Flow Pressure	39	PSI
(C) First Final Flow Pressure	52	PSI
(D) Initial Closed-in Pressure	119	PSI
(E) Second Initial Flow Pressure	66	PSI
(F) Second Final Flow Pressure	79	PSI
(G) Final Closed-in Pressure	92	PSI
(H) Final Hydrostatic Mud	1582	PSI