

# CHENEY TESTING COMPANY

P. O. BOX 3

HILL CITY, KANSAS 67642

## DRILL-STEM TEST DATA

|                                                          |                               |
|----------------------------------------------------------|-------------------------------|
| Company<br>Abercrombie Drlg. Inc.                        | Test No. 1                    |
| Well Name & Number<br>Krebs #1                           | Zone Tested<br>Lansing (K.C.) |
| Company Address<br>801 Union Center, Wichita, Kan.       | Date<br>9-1-77                |
| Comp. Rep.<br>Jack Wharton                               | Tester<br>Kirk Cheney         |
| Contractor<br>Abercrombie Drlg. Inc.                     | Elevation<br>2660 K.B.        |
| Location: Sec. 34 Twp. 14S Rge. 32W Co. Logan State Kan. | Est. Feet of Pay              |

Recorder No. 3695 Type Kuster Range 5300 PSI

Recorder Depth 3707

(A) Initial Hydrostatic Mud 1670 PSI

(B) First Initial Flow Pressure 30 PSI

(C) First Final Flow Pressure 51 PSI

(D) Initial Closed-in Pressure 1111 PSI

(E) Second Initial Flow Pressure 81 PSI

(F) Second Final Flow Pressure 122 PSI

(G) Final Closed-in Pressure 1050 PSI

(H) Final Hydrostatic Mud 1659 PSI

Temperature 107°

Mud Weight 9.3 Viscosity 47

Fluid Loss 14.2 cc

Interval Tested 3676-3710

Anchor Length 34'

Top Packer Depth 3671

Bottom Packer Depth 3676

Total Depth 3710

Drill Pipe Size 4½ EX.H.

Wt. Pipe I. D. 2.7 Ft. Run 447

Recovery—Total Feet 320

Recovered 320 Feet Of Muddy water w/a few spots of oil.

Recovered \_\_\_\_\_ Feet Of \_\_\_\_\_

Recovered \_\_\_\_\_ Feet Of \_\_\_\_\_

Recovered \_\_\_\_\_ Feet Of \_\_\_\_\_

Extra Equipment \_\_\_\_\_ Price of Job \$380.00

Recorder No. 7370 Type Kuster Range 4050 PSI

Recorder Depth 3704

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

Initial Shut-in 60 Mins.

Flow Period 60 Mins.

Final Shut-in 60 Mins.

Surface Choke Size 1"

Bottom Choke Size 3/4"

Main Hole Size 7 7/8"

Rubber Size 6 3/4"

Tool Open @ 1:50 P.M.

Blow Medium 3" blow through out.

Remarks Chloride PPM 48,000.

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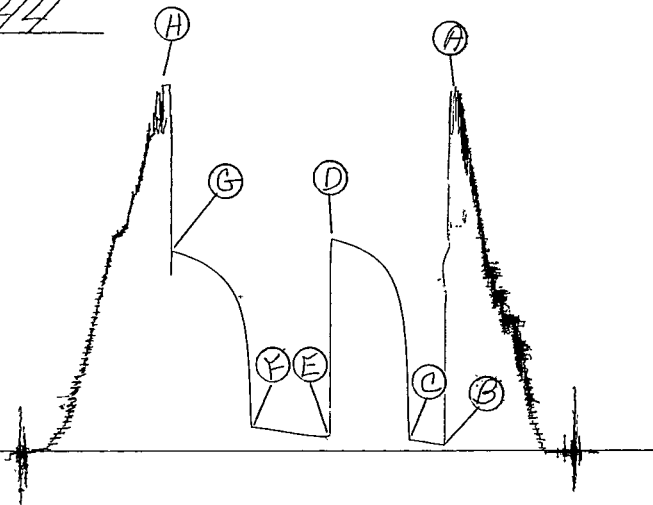
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Drill Collar I. D. 2.7 Ft. Run 318

TK# 744



# CHENEY TESTING COMPANY

P. O. BOX 3

HILL CITY, KANSAS 67642

## DRILL-STEM TEST DATA

|                                                                                           |                             |
|-------------------------------------------------------------------------------------------|-----------------------------|
| Company <u>Abercrombie Drlg. Inc.</u>                                                     | Test No. <u>2</u>           |
| Well Name & Number <u>Krebs #1</u>                                                        | Zone Tested <u>K.C.</u>     |
| Company Address <u>Wichita</u>                                                            | Date <u>9-3-77</u>          |
| Comp. Rep. <u>Jack Wharton</u>                                                            | Tester <u>Clark Griffey</u> |
| Contractor <u>Abercrombie Drlg. Inc.</u>                                                  | Elevation <u>2660 K.B.</u>  |
| Location: Sec. <u>34</u> Twp. <u>14S</u> Rge. <u>32</u> WCo. <u>Logan</u> State <u>KS</u> | Est. Feet of Pay _____      |

Recorder No. 3695 Type Kuster Range 5300 PSI

Recorder Depth 3942

(A) Initial Hydrostatic Mud 1926 PSI

(B) First Initial Flow Pressure 20 PSI

(C) First Final Flow Pressure 51 PSI

(D) Initial Closed-in Pressure 1222 PSI

(E) Second Initial Flow Pressure 61 PSI

(F) Second Final Flow Pressure 112 PSI

(G) Final Closed-in Pressure 1172 PSI

(H) Final Hydrostatic Mud 1915 PSI

Temperature 112

Mud Weight 9.3 Viscosity 40

Fluid Loss 9.6

Interval Tested 3908-3945

Anchor Length 37'

Top Packer Depth 3903

Bottom Packer Depth 3908

Total Depth 3945

Drill Pipe Size 4½ X hole

Wt. Pipe I. D. 2.7 Ft. Run 446

Recovery—Total Feet 280

Recovered 280 Feet Of muddy water. Few spots of oil

Recovered \_\_\_\_\_ Feet Of \_\_\_\_\_

Recovered \_\_\_\_\_ Feet Of \_\_\_\_\_

Recovered \_\_\_\_\_ Feet Of \_\_\_\_\_

Extra Equipment None Price of Job \$380.00

Recorder No. 7370 Type Kuster Range 4050 PSI

Recorder Depth 3939

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 3/4"

Main Hole Size 7 7/8"

Rubber Size 6 3/4"

Tool Open @ 1:30 A.M.

Blow Weak steady blow throughout.

Remarks \_\_\_\_\_

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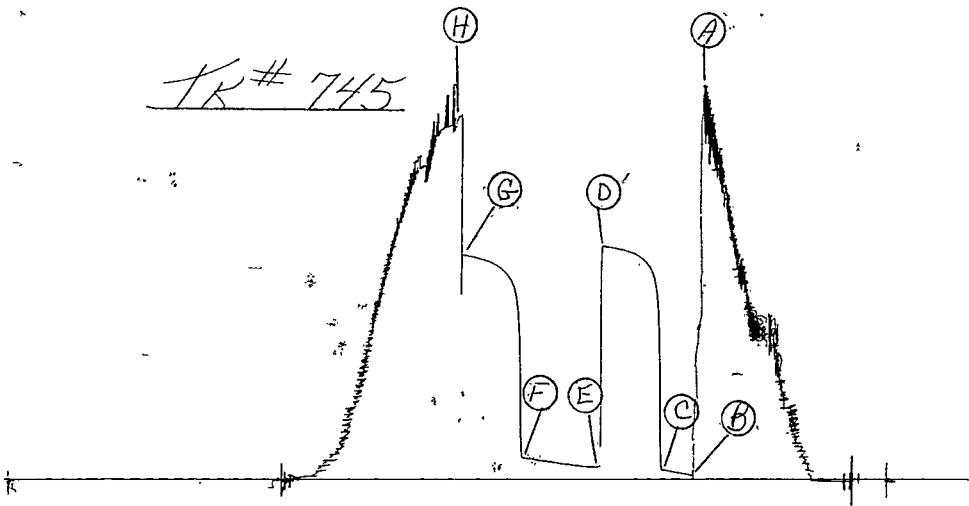
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Drill Collar I. D. 2.7 Ft. Run 318

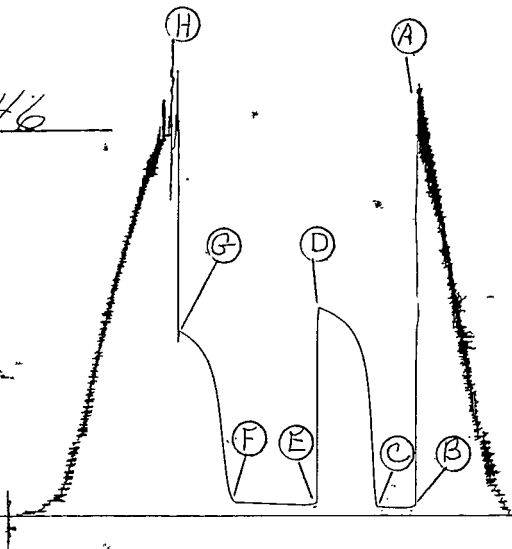
TK # 745



**HILL CITY, KANSAS 67642**

Drill Collar L.D. 2.7 Ft. Run 318

TR# 746



# CHENEY TESTING COMPANY

P. O. BOX 3

HILL CITY, KANSAS 67642

## DRILL-STEM TEST DATA

|                                                         |                         |                  |               |
|---------------------------------------------------------|-------------------------|------------------|---------------|
| Company                                                 | Abercrombie Drilg. Inc. | Test No.         | 4             |
| Well Name & Number                                      | Krebs #1                | Zone Tested      | Johnson       |
| Company Address                                         | Wichita                 | Date             | 9-5-77        |
| Comp. Rep.                                              | Jack Wharton            | Tester           | Clark Griffey |
| Contractor                                              | Co. Tools               | Elevation        | 2660 K.B.     |
| Location: Sec. 34 Twp. 14S Rge. 32 W Co. Logan State KS |                         | Est. Feet of Pay |               |

Recorder No. 3695 Type Kuster Range 5300 PSI

Recorder Depth 4282

(A) Initial Hydrostatic Mud 1987 PSI

(B) First Initial Flow Pressure 40 PSI

(C) First Final Flow Pressure 51 PSI

(D) Initial Closed-in Pressure 1060 PSI

(E) Second Initial Flow Pressure 51 PSI

(F) Second Final Flow Pressure 51 PSI

(G) Final Closed-in Pressure 928 PSI

(H) Final Hydrostatic Mud 1977 PSI

Temperature 113

Mud Weight 9.4 Viscosity 43

Fluid Loss 7.2

Interval Tested 4223-4285

Anchor Length 62'

Top Packer Depth 4218

Bottom Packer Depth 4223

Total Depth 4285

Drill Pipe Size 4 1/2 X hole

Wt. Pipe I. D. 2.7 Ft. Run 446

Recovery—Total Feet 45

Recovered 45 Feet Of Mud

Recovered \_\_\_\_\_ Feet Of \_\_\_\_\_

Recovered \_\_\_\_\_ Feet Of \_\_\_\_\_

Recovered \_\_\_\_\_ Feet Of \_\_\_\_\_

Extra Equipment None

Recorder No. 7370 Type Kuster Range 4050 PSI

Recorder Depth 4279

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 3/4"

Main Hole Size 7 7/8"

Rubber Size 6 3/4"

Tool Open @ 2:10 P.M.

Blow Very weak blow & died

Remarks Flushed tool after 15 min. & very weak blow 7 died. Second opening has no blow.

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Drill Collar I. D. 2.7 Ft. Run 318

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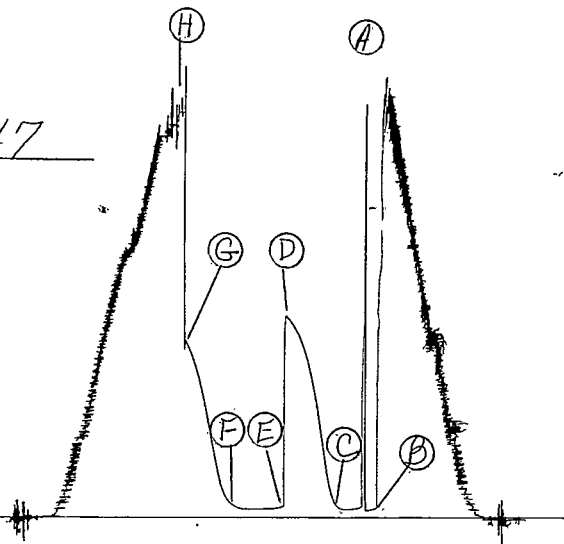
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Price of Job \$415.00

TR# 747



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## DRILL-STEM TEST DATA

|                                               |                       |                  |                |
|-----------------------------------------------|-----------------------|------------------|----------------|
| Company                                       | Abercrombie Drlg.Inc. | Test No.         | 5              |
| Well Name & Number                            | Krebs #1              | Zone Tested      | Cherokee Sands |
| Company Address                               | Wichita               | Date             | 9-6-77         |
| Comp. Rep.                                    | Jack Wharton          | Tester           | Clark Griffey  |
| Contractor                                    | Co. Tools             | Elevation        | 2660 K.B.      |
| Location: Sec. 34 Twp. 14S Rge. 32W Co. Logan | State KS              | Est. Feet of Pay |                |

Recorder No. 3695 Type KusteRange 5300 PSI

Recorder Depth 4330

(A) Initial Hydrostatic Mud 2079 PSI

(B) First Initial Flow Pressure 51 PSI

(C) First Final Flow Pressure 81 PSI

(D) Initial Closed-in Pressure 1030 PSI

(E) Second Initial Flow Pressure 81 PSI

(F) Second Final Flow Pressure 102 PSI

(G) Final Closed-in Pressure 795 PSI

(H) Final Hydrostatic Mud 2069 PSI

Temperature 114

Mud Weight 9.3 Viscosity 43

Fluid Loss 7.2

Interval Tested 42734333

Anchor Length 60'

Top Packer Depth 4268

Bottom Packer Depth 4273

Total Depth 4333

Drill Pipe Size 4 1/2 Xhole

Wt. Pipe I. D. 2.7 Ft. Run 446

Recovery—Total Feet 240

Recovered 60 Feet Of G.I.P.

Recovered 60 Feet Of Sli. O & GCM

Recovered 120 Feet Of O& GCM

Recovered 60 Feet Of H.G. & O.C.M.

Extra Equipment None

Recorder No. 7370 Type KusteRange 4050 PSI

Recorder Depth 4327

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 3/4"

Main Hole Size 7 7/8"

Rubber Size 6 3/4"

Tool Open @ 5:50 A.M.

Blow Medium blow 2 to 3 in. on first

Remarks opening. second opening strong  
blow 6-8 in.

Drill Collar I. D. 2.7 Ft. Run 318

5% oil

25% oil

Price of Job \$415.00

TR# 748

