

This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2076		PSI
(B) First Initial Flow Pressure	29		PSI
(C) First Final Flow Pressure	19		PSI
(D) Initial Closed-in Pressure	227		PSI
(E) Second Initial Flow Pressure	19		PSI
(F) Second Final Flow Pressure	19		PSI
(G) Final Closed-in Pressure	505		PSI
(H) Final Hydrostatic Mud	2047		PSI

CHENEY TESTING COMPANY

P. O. BOX 3 HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

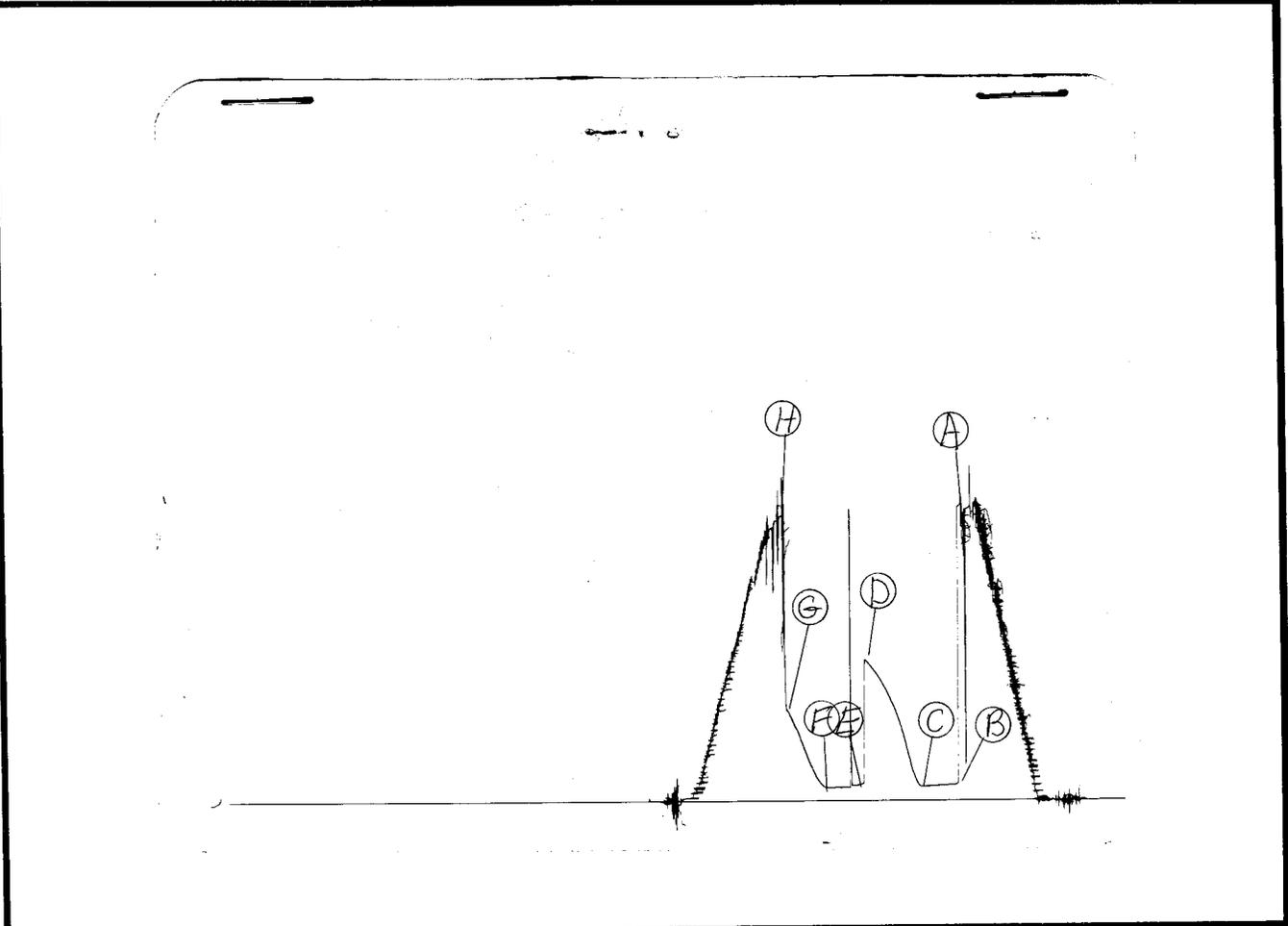
Company	Abercrombie Drlg. Inc.	Test No.	2
Well Name & Number	Oelkers #1	Zone Tested	Arb.
Company Address	Wichita, Kansas	Date	11-25-80
Comp. Rep.	Bill Darrow	Tester	Wayne Towns
Contractor	Co. Tools	Elevation	2085 K.B.
Location: Sec. 19 Twp. 16S Rge. 19W Co. Rush State Ks.		Est. Feet of Pay	

Recorder No. 11021 Type AK-1 Range 3900 PSI
 Recorder Depth 3845
 (A) Initial Hydrostatic Mud 2001 PSI
 (B) First Initial Flow Pressure 68 PSI
 (C) First Final Flow Pressure 77 PSI
 (D) Initial Closed-in Pressure 608 PSI
 (E) Second Initial Flow Pressure 77 PSI
 (F) Second Final Flow Pressure 85 PSI
 (G) Final Closed-in Pressure 470 PSI
 (H) Final Hydrostatic Mud 1992 PSI
 Temperature 108
 Mud Weight 10.1 Viscosity 43
 Fluid Loss 12.0
 Interval Tested 3794-3845
 Anchor Length 51'
 Top Packer Depth 3789
 Bottom Packer Depth 3794
 Total Depth 3845
 Drill Pipe Size 4½ X.H.
 Wt. Pipe I. D. 2.7 Ft. Run 495
 Recovery—Total Feet 30
 Recovered 30 Feet Of Mud
 Recovered _____ Feet Of _____
 Recovered _____ Feet Of _____
 Recovered _____ Feet Of _____
 Extra Equipment _____ Price of Job \$600.00

Recorder No. 1760 Type AK-1 Range 3500 PSI
 Recorder Depth 3842
 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 ¾"
 Main Hole Size 7 7/8"
 Rubber Size 6¾"
 Tool Open @ 2:30 P.M.

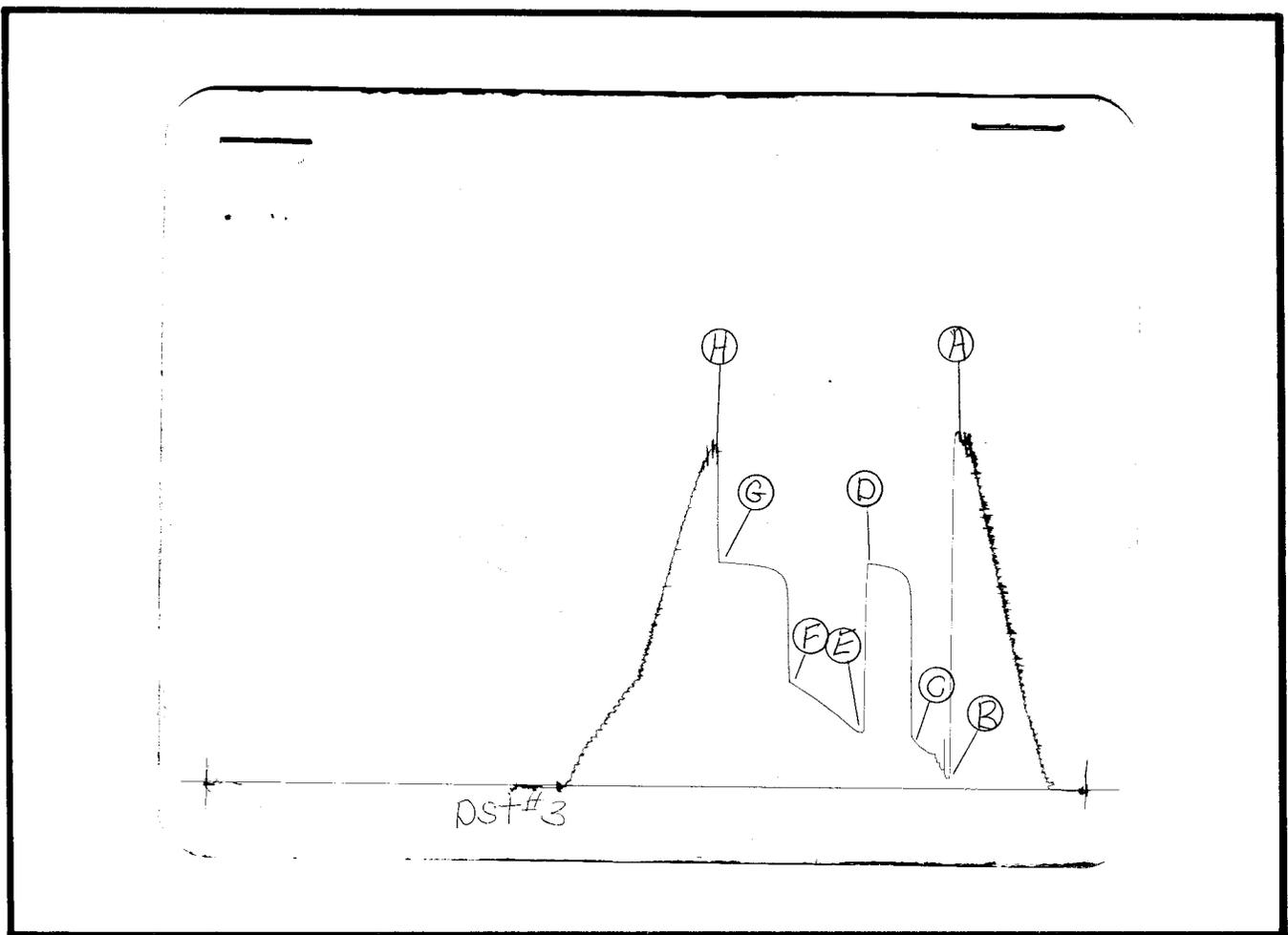
Blow 1st Open - Fair Blow
 Remarks Weak Blow Died In 6 Min. On 2nd Open

Drill Collar I. D. _____ Ft. Run _____



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POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2001		PSI
(B) First Initial Flow Pressure	68		PSI
(C) First Final Flow Pressure	77		PSI
(D) Initial Closed-in Pressure	608		PSI
(E) Second Initial Flow Pressure	77		PSI
(F) Second Final Flow Pressure	85		PSI
(G) Final Closed-in Pressure	470		PSI
(H) Final Hydrostatic Mud	1992		PSI



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POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1909		PSI
(B) First Initial Flow Pressure	49		PSI
(C) First Final Flow Pressure	257		PSI
(D) Initial Closed-in Pressure	1203		PSI
(E) Second Initial Flow Pressure	287		PSI
(F) Second Final Flow Pressure	555		PSI
(G) Final Closed-in Pressure	1194		PSI
(H) Final Hydrostatic Mud	1899		PSI

CHENEY TESTING COMPANY

P. O. BOX 3 HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company Abercrombie Drlg. Inc.	Test No. 4 - Straddle
Well Name & Number Oelkers #1	Zone Tested K.C.
Company Address Wichita, Kansas	Date 11-27-80
Comp. Rep. Bill Darrow	Tester Wayne Towns
Contractor Co. Tools	Elevation 2085 K.B.
Location: Sec. 19 Twp. 16S Rge. 19W Co. Rush State : Ks.	Est. Feet of Pay

Recorder No. 11021 Type AK-1 Range 3900 PSI

Recorder Depth 3498

(A) Initial Hydrostatic Mud 1880 PSI

(B) First Initial Flow Pressure 99 PSI

(C) First Final Flow Pressure 119 PSI

(D) Initial Closed-in Pressure - PSI

(E) Second Initial Flow Pressure 119 PSI

(F) Second Final Flow Pressure 119 PSI

(G) Final Closed-in Pressure 1096 PSI

(H) Final Hydrostatic Mud 1860 PSI

Temperature -

Mud Weight 10.3 Viscosity 49

Fluid Loss 12.0

Interval Tested 3469-3512

Anchor Length 43'

Top Packer Depth 3464

Bottom Packer Depth 3469

Total Depth 3880

Drill Pipe Size 4 1/2 X.H.

Wt. Pipe I. D. 2.7 Ft. Run 495

Recovery—Total Feet 180

Recovered 180 Feet Of Muddy Water

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Extra Equipment Extra Packer-\$125.00 Straddle-\$250.00

Recorder No. 1760 Type AK-1 Range 3500 PSI

Recorder Depth 3495

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 @ 3:40 A.M.

Blow Strong Blow 1st Open.

Remarks Weak Blow 2nd Open.

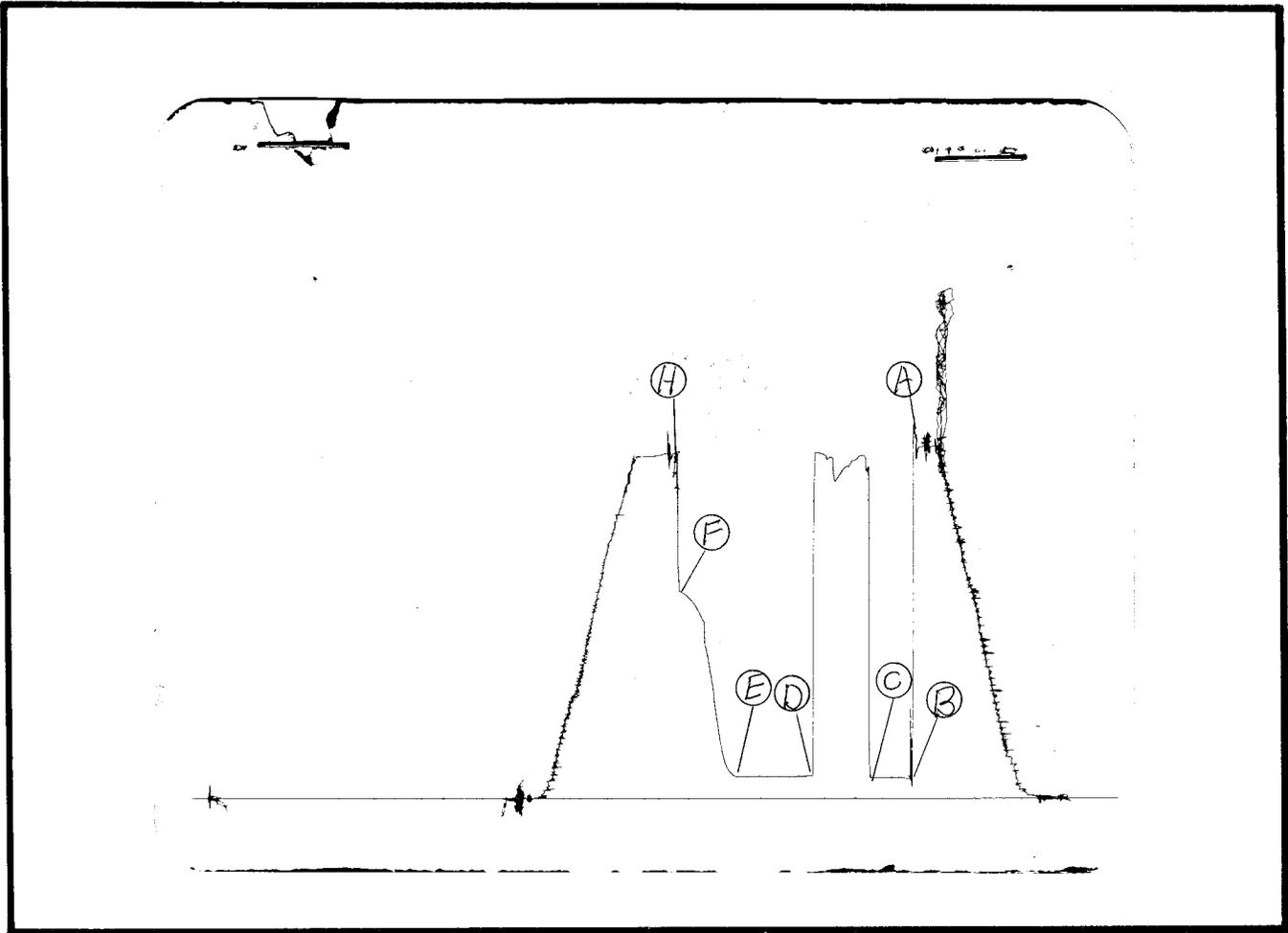
Drill Collar I. D. Ft. Run

DST \$600.00

Extra Packer \$125.00

Straddle \$250.00

Price of Job \$975.00



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POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1880	PSI
(B) First Initial Flow Pressure	99	PSI
(C) First Final Flow Pressure	119	PSI
(D) Initial Closed-in Pressure	-	PSI
(E) Second Initial Flow Pressure	119	PSI
(F) Second Final Flow Pressure	119	PSI
(G) Final Closed-in Pressure	1096	PSI
(H) Final Hydrostatic Mud	1860	PSI