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	Pinkston # 1	Zone Tested	K.C.
Company Address	Wichita, Kan.	Date	1-8-79
Comp. Rep.	Ralph White	Tester	Kirk Cheney
Contractor	Co. Tools	Elevation	
Location: Sec. 15 Twp. 11S Rge. 33W Co. Logan State Kan.		Est. Feet of Pay	

Recorder No. 7370 Type AK-1 Range 4050 PSI

Recorder Depth 4262

(A) Initial Hydrostatic Mud 2048 PSI

(B) First Initial Flow Pressure 30 PSI

(C) First Final Flow Pressure 30 PSI

(D) Initial Closed-in Pressure 142 PSI

(E) Second Initial Flow Pressure 40 PSI

(F) Second Final Flow Pressure 40 PSI

(G) Final Closed-in Pressure 183 PSI

(H) Final Hydrostatic Mud 2038 PSI

Temperature 112

Mud Weight 9.2 Viscosity 48

Fluid Loss 12.0 cc

Interval Tested 4235-4265

Anchor Length 30

Top Packer Depth 4230

Bottom Packer Depth 4235

Total Depth 4265

Drill Pipe Size 4½ EX.H.

Wt. Pipe I. D. 2.7 Ft. Run 503

Recorder No. 7456 Type AK-1 Range 4150 PSI

Recorder Depth 4259

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 3/4"

Main Hole Size 7 7/8"

Rubber Size 6 3/4"

Tool Open @ 10:23 A.M.

Blow Weak for 15 min. & died.

Remarks

Drill Collar I. D. Ft. Run

Recovery—Total Feet 15

Recovered 15 Feet Of Mud w/a few oil specks.

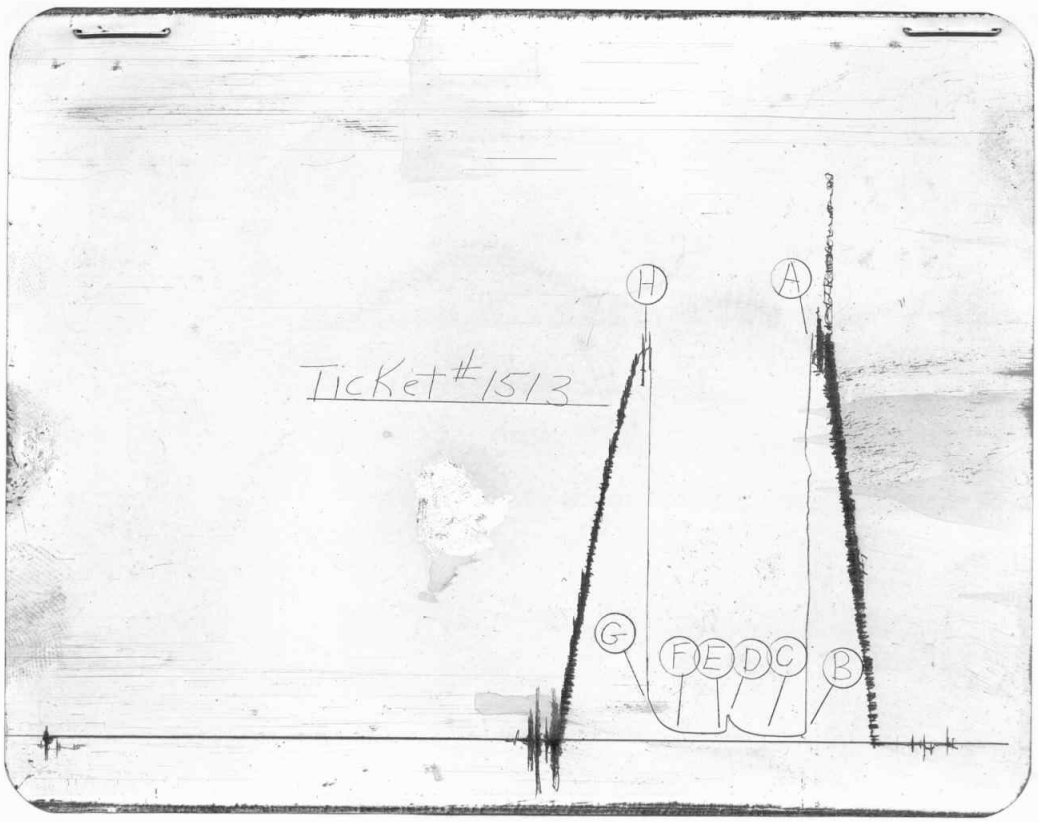
Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Extra Equipment Price of Job $480.00

COMPANY ABERCROMBIE DRLG. INC. LEASE AND WELL NO. PINKSTON #1 SEC. 15 TWP. 11S RGE. 33W TEST NO. 1 DATE 1-8-79



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2048		PSI
(B)	First Initial Flow Pressure	30		PSI
(C)	First Final Flow Pressure	30		PSI
(D)	Initial Closed-in Pressure	142		PSI
(E)	Second Initial Flow Pressure	40		PSI
(F)	Second Final Flow Pressure	40		PSI
(G)	Final Closed-in Pressure	183		PSI
(H)	Final Hydrostatic Mud	2038		PSI

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DRILL-STEM TEST DATA

Company	Abercrombie Drlg. Inc.	Test No.	2
Well Name & Number	Pinkston #1	Zone Tested	K.C.
Company Address	Wichita, Kan.	Date	1-9-79
Comp. Rep.	Ralph White	Tester	Kirk Cheney
Contractor	Co. Tools	Elevation	
Location: Sec. 15 Twp. 11S Rge. 33W Co. Logan State Kan.		Est. Feet of Pay	

Recorder No. 7370 Type AK-1 Range 4050 PSI

Recorder Depth 4342

(A) Initial Hydrostatic Mud 2140 PSI

(B) First Initial Flow Pressure 51 PSI

(C) First Final Flow Pressure 122 PSI

(D) Initial Closed-in Pressure 1232 PSI

(E) Second Initial Flow Pressure 163 PSI

(F) Second Final Flow Pressure 255 PSI

(G) Final Closed-in Pressure 1192 PSI

(H) Final Hydrostatic Mud 2130 PSI

Temperature 114

Mud Weight 9.1 Viscosity 43

Fluid Loss 12.0 cc

Interval Tested 4290-4345

Anchor Length 55

Top Packer Depth 4285

Bottom Packer Depth 4290

Total Depth 4345

Drill Pipe Size 4½ EX.H.

Wt. Pipe I. D. 2.7 Ft. Run 440

Recorder No. 7456 Type AK-1 Range 4150 PSI

Recorder Depth 4339

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 @ 4:30 A.M.

Blow Strong throughout

Remarks

Drill Collar I. D. Ft. Run

Recovery—Total Feet 534

Recovered 534 Feet Of Muddy water w/oil specks on top.

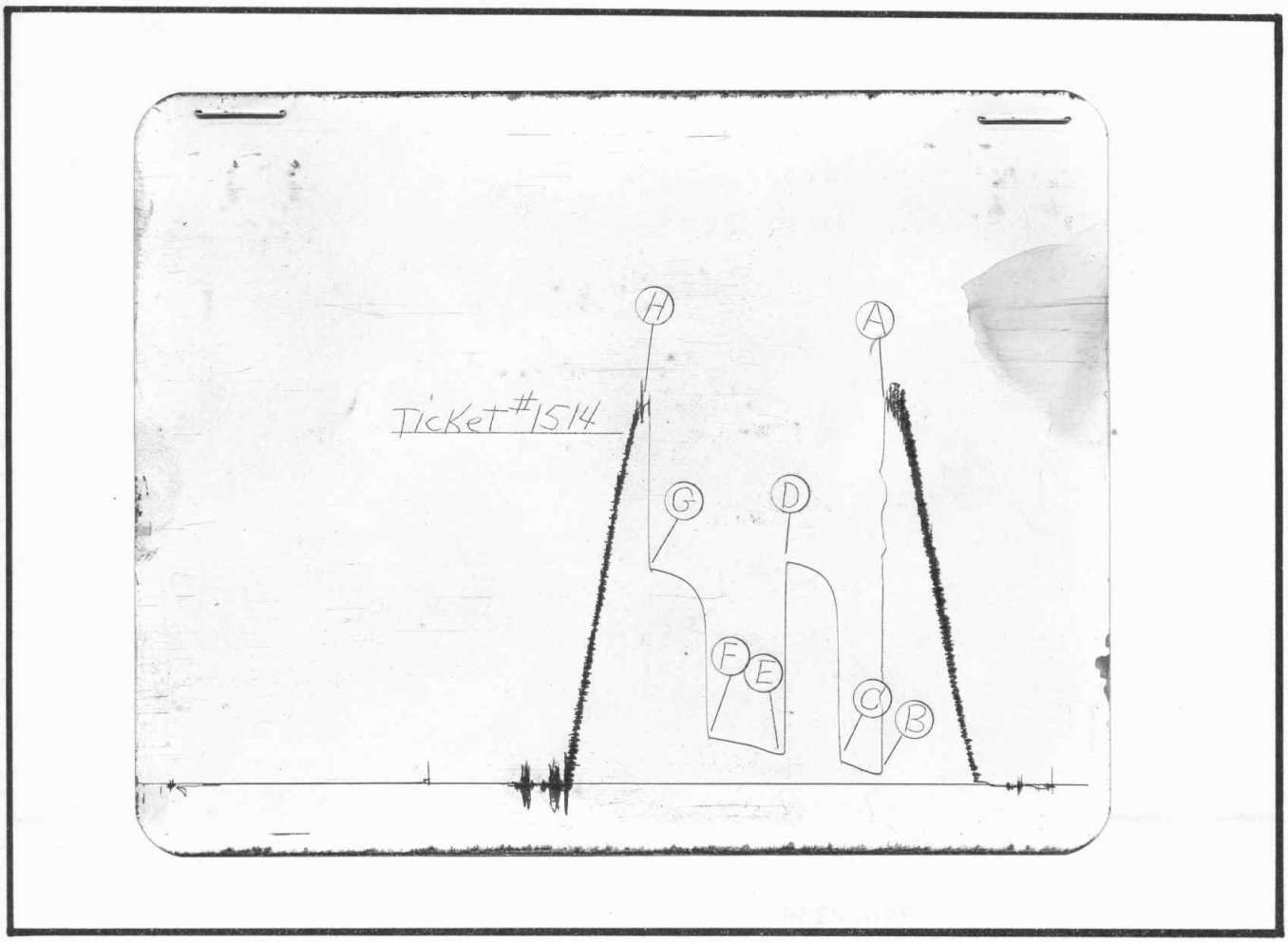
Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Extra Equipment Price of Job $480.00

COMPANY ABERCROMBIE DRLG. INC. LEASE AND WELL NO. PINKSTON #1 SEC. 15 TWP. 11S RGE. 33W TEST NO. 2 DATE 1-9-79



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2140		PSI
(B)	First Initial Flow Pressure	51		PSI
(C)	First Final Flow Pressure	122		PSI
(D)	Initial Closed-in Pressure	1232		PSI
(E)	Second Initial Flow Pressure	163		PSI
(F)	Second Final Flow Pressure	255		PSI
(G)	Final Closed-in Pressure	1192		PSI
(H)	Final Hydrostatic Mud	2130		PSI

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DRILL-STEM TEST DATA

Company	Abercrombie Drlg. Inc.	Test No.	3
Well Name & Number	Pinkston #1	Zone Tested	Cherokee
Company Address	Wichita	Date	1-11-79
Comp. Rep.	Ralph White	Tester	Kirk Cheney
Contractor	Co. Tools	Elevation	
Location: Sec. 15 Twp. 11S Rge. 33W Co. Logan State KS		Est. Feet of Pay	

Recorder No. 7370 Type AK-1 Range 4050 PSI

Recorder Depth 4667

(A) Initial Hydrostatic Mud 2292 PSI

(B) First Initial Flow Pressure 40 PSI

(C) First Final Flow Pressure 40 PSI

(D) Initial Closed-in Pressure 408 PSI

(E) Second Initial Flow Pressure 51 PSI

(F) Second Final Flow Pressure 51 PSI

(G) Final Closed-in Pressure 102 PSI

(H) Final Hydrostatic Mud 2282 PSI

Temperature 117

Mud Weight 9.4 Viscosity 43

Fluid Loss 12.0

Interval Tested 4601-4670

Anchor Length 69

Top Packer Depth 4596

Bottom Packer Depth 4601

Total Depth 4670

Drill Pipe Size 4½ Exh

Wt. Pipe I. D. 2.7 Ft. Run 503

Recovery—Total Feet 30

Recovered 30 Feet Of Oil specked mud

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Extra Equipment None

Recorder No. 7456 Type AK-1 Range 4150 PSI

Recorder Depth 4664

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 3/4"

Main Hole Size 7 7/8"

Rubber Size 6 3/4"

Tool Open @ 3:30 Pm

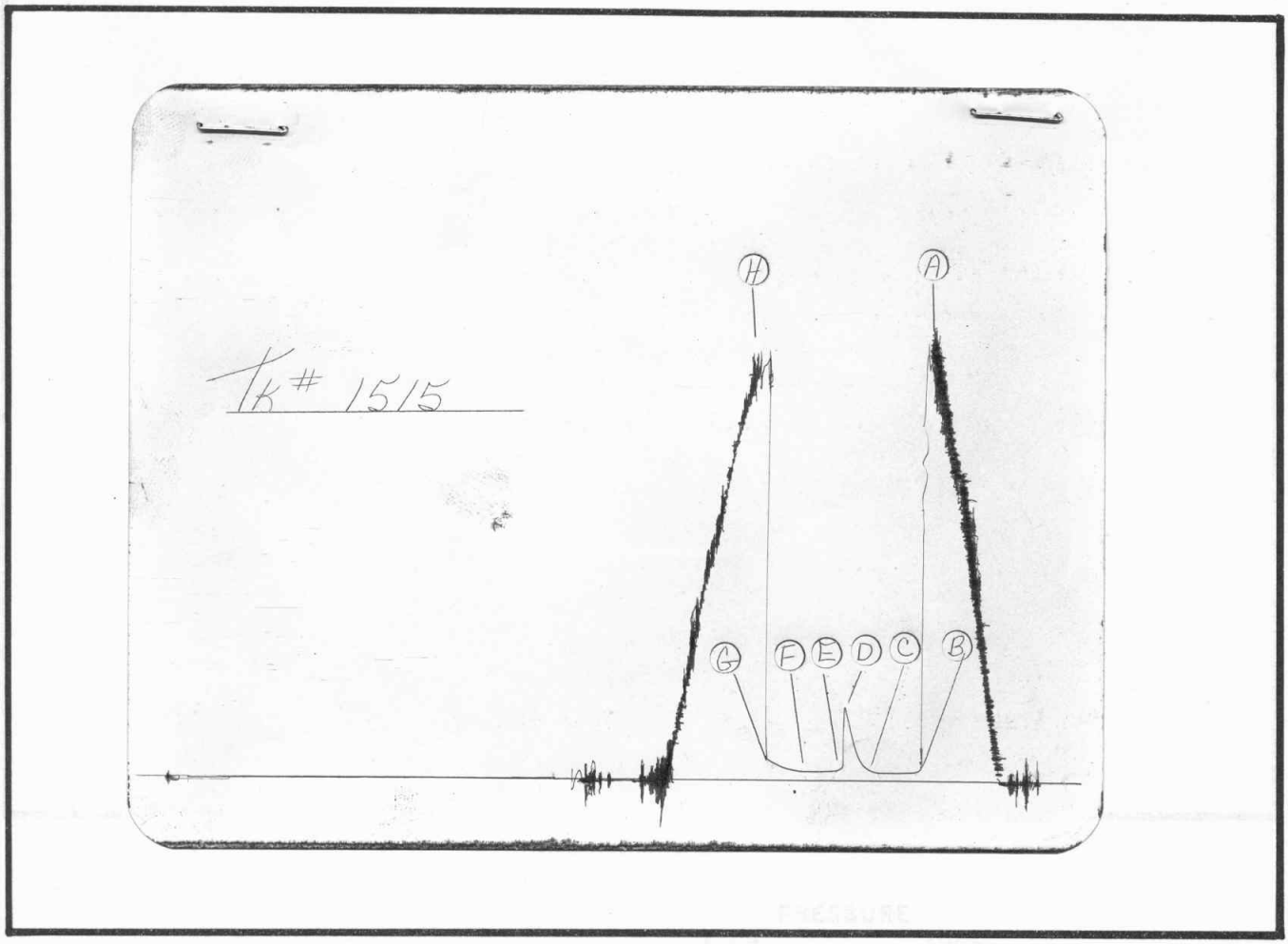
Blow Weak blow for 15 min. & died

Remarks

Drill Collar I. D. Ft. Run

Price of Job $480.00

COMPANY ABERCROMBIE DRLG. INC. LEASE AND WELL NO. PINKSTON #1 SEC. 15 TWP. 11S RGE. 33W TEST NO. 3 DATE 1-11-79



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2292		PSI
(B)	First Initial Flow Pressure	40		PSI
(C)	First Final Flow Pressure	40		PSI
(D)	Initial Closed-in Pressure	408		PSI
(E)	Second Initial Flow Pressure	51		PSI
(F)	Second Final Flow Pressure	51		PSI
(G)	Final Closed-in Pressure	102		PSI
(H)	Final Hydrostatic Mud	2282		PSI