

CHENEY TESTING COMPANY, INC.

P. O. Box 367

HILL CITY, KANSAS 67642

36-175-16W

SW-NW-NE

DRILL-STEM TEST DATA

Company	HDR Production Inc.	Test No.	1
Well Name & Number	Axman #1	Zone Tested	Lansing
Company Address	1391 Carr St. Suite 311, Lakewood, Co.	Date	8-19-84
Company Rep.	Dave Williams	Tester	Greg Bailey
Contractor	Allen Drlg. Co.	Elevation	2018 K.B.
Location: Sec. 36 Twp. 17 Rge. 16 Co. Rush State Kansas	Est. Feet of Pay		

Recorder No. 13278 Type AK-1 Range 4400 PSI

Recorder Depth 13278 Clock # 25720

(A) Initial Hydrostatic Mud 1867 PSI

(B) First Initial Flow Pressure 95 PSI

(C) First Final Flow Pressure 83 PSI

(D) Initial Shut-in Pressure 1059 PSI

(E) Second Initial Flow Pressure 95 PSI

(F) Second Final Flow Pressure 83 PSI

(G) Final Shut-in Pressure 1037 PSI

(H) Final Hydrostatic Mud 1703 PSI

Temperature 105

Mud Weight 9.4 Viscosity 41

Fluid Loss 14.2

Interval Tested 3389-3418

Anchor Length 29'

Top Packer Depth 3389

Bottom Packer Depth 3418

Total Depth 3452

Drill Pipe Size 4½ X.H.

Wt. Pipe I. D. Ft. Run

Recovery-Total Feet 60

Recovered 60 Feet Of Gas Cut Mud.

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Extra Equipment Staddle, Extra Packer

Recorder No. 7456 Type AK-1 Range 4150 PSI

Recorder Depth 3412 Clock # 25719

Tool Open Before I.S.I. 45 Mins.

Initial Shut-in 60 Mins.

Flow Period 45 Mins.

Final Shut-in 60 Mins.

Top Choke Size 1" Hole Size 7 7/8"

Bottom Choke Size 3/4" Rubber Size 6 3/4"

Tool Open @ 2:10 P.M.

Blow Remarks

1st Open- WEak & Steady- Approx. 1" In Bucket.

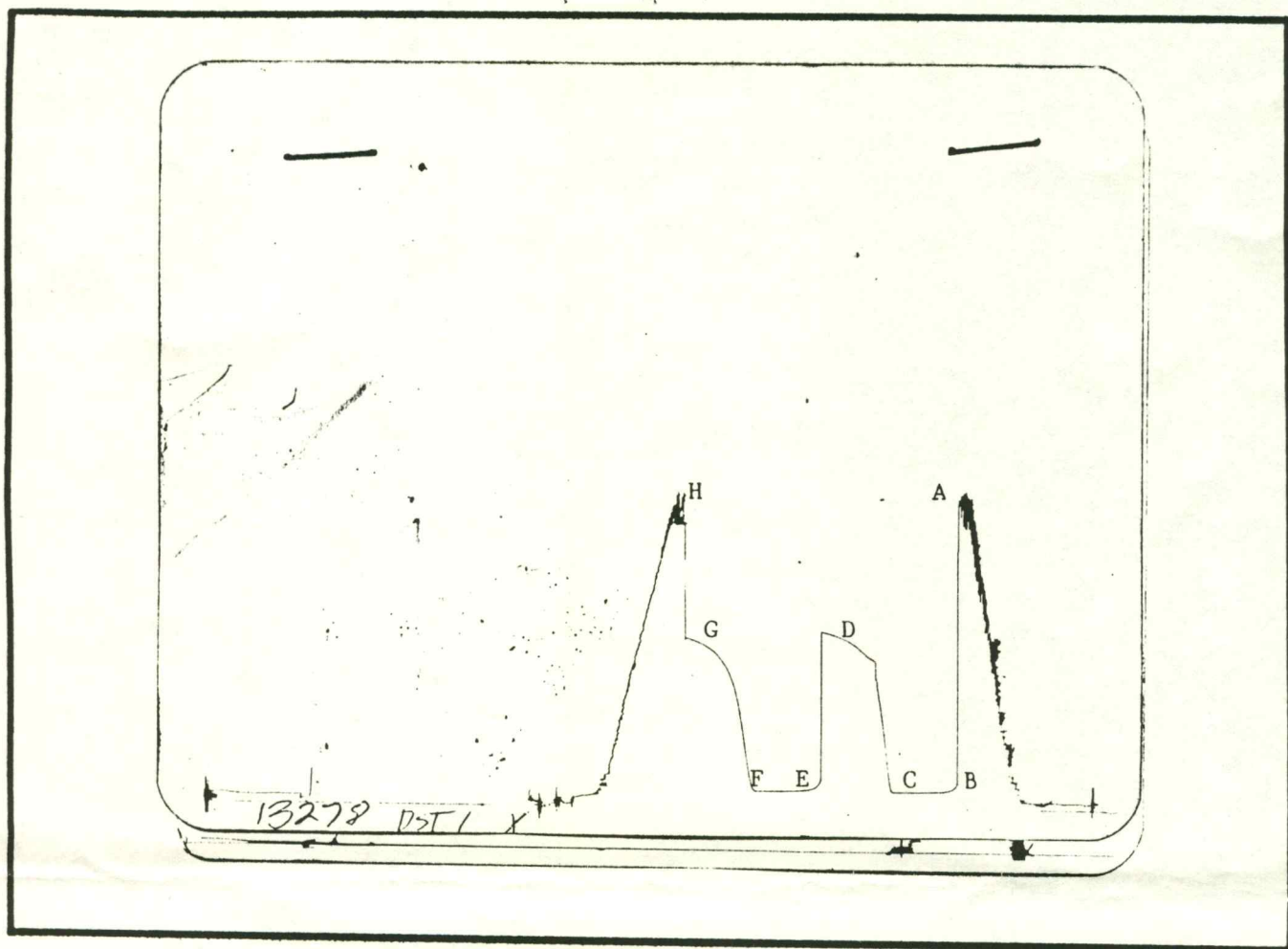
2nd Open- 3/4" In Bucket Weakening To ¼".

Well Chlorides- 56,000 PPM

Rec. Chlorides- 56,000 PPM

Collars I.D.-2.25 Ft.Run-248'

Price of Job \$1050.00



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1867	PSI
(B) First Initial Flow Pressure	95	PSI
(C) First Final Flow Pressure	83	PSI
(D) Initial Closed-in Pressure	1059	PSI
(E) Second Initial Flow Pressure	95	PSI
(F) Second Final Flow Pressure	83	PSI
(G) Final Closed-in Pressure	1037	PSI
(H) Final Hydrostatic Mud	1703	PSI

CHENEY TESTING COMPANY, INC.

P. O. Box 367

HILL CITY, KANSAS 67642

36-175-16W
SW-NW-NF

DRILL-STEM TEST DATA

Company	HDR Production Inc.	Test No.	2
Well Name & Number	Axman #1	Zone Tested	Kansas City
Company Address	1391 Carr ST. Suite 311, Lakewood, Colo.	Date	8-21-84
Company Rep.	Dave Williams	Tester	Greg Bailey
Contractor	Allen Drlg. Co.	Elevation	2018 K.B.
Location: Sec.	36 Twp. 17s Rge. 16w Co. Rush	State	Kansas
		Est. Feet of Pay	

Recorder No. 13278 Type AK-1 Range 4400 PSI

Recorder Depth 3491 Clock # 25720

(A) Initial Hydrostatic Mud 1944 PSI

(B) First Initial Flow Pressure 95 PSI

(C) First Final Flow Pressure 83 PSI

(D) Initial Shut-in Pressure 653 PSI

(E) Second Initial Flow Pressure 83 PSI

(F) Second Final Flow Pressure 83 PSI

(G) Final Shut-in Pressure 675 PSI

(H) Final Hydrostatic Mud 1922 PSI

Temperature 108

Mud Weight 9.6 Viscosity 47

Fluid Loss 7.2

Interval Tested 3474-3497

Anchor Length 23'

Top Packer Depth 3469

Bottom Packer Depth 3497

Total Depth 3625

Drill Pipe Size 4½ X.H.

Wt. Pipe I. D. Ft. Run

Recovery-Total Feet 5

Recovered 5 Feet Of Mud

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Extra Equipment Straddle, Extra Packer

Recorder No. 7456 Type AK-1 Range 4150 PSI

Recorder Depth 3493 Clock # 25719

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

Initial Shut-in 45 Mins.

Flow Period 30 Mins.

Final Shut-in 45 Mins.

Top Choke Size 1" Hole Size 7 7/8"

Bottom Choke Size 3/4" Rubber Size 6 3/4"

Tool Open @ 5:45

Blow Remarks

1st Open- Weak Blow Died In 20 Minutes.

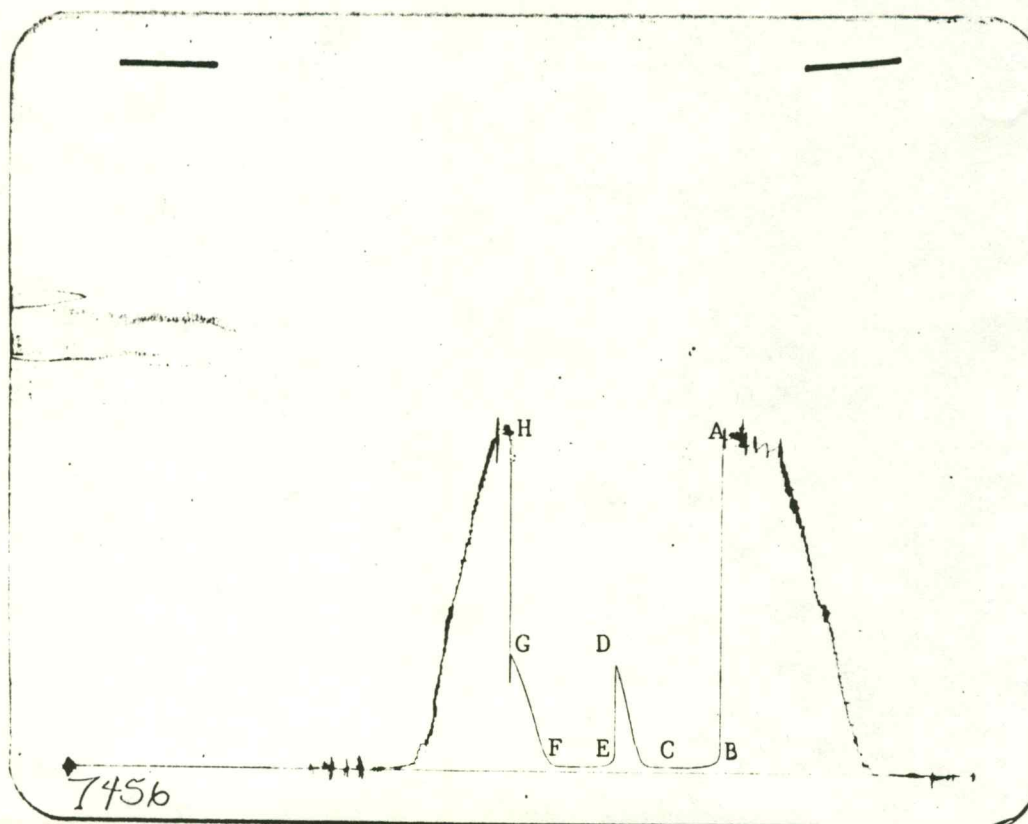
2nd Open-No Blow.

Well Chlorides-59,000 PPM

Rec. Chlorides-59,000 PPM

Collars I.D.-2.25 Ft. Run-248'

Price of Job \$1285.00



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1944	PSI
(B) First Initial Flow Pressure	95	PSI
(C) First Final Flow Pressure	83	PSI
(D) Initial Closed-in Pressure	653	PSI
(E) Second Initial Flow Pressure	83	PSI
(F) Second Final Flow Pressure	83	PSI
(G) Final Closed-in Pressure	675	PSI
(H) Final Hydrostatic Mud	1922	PSI