

15-163-21378

CHENEY TESTING COMPANY

P. O. BOX 3

HILL CITY, KANSAS 67642

35-10s-18w

DRILL-STEM TEST DATA

Company	Montgomery Drlg.	Test No.	1
Well Name & Number	Stark #1	Zone Tested	
Company Address	Hays, Kansas	Date	7-23-81
Comp. Rep.	Elbie McNeil	Tester	Steve Holdren
Contractor	Montgomery Explor.	Elevation	2083 G.L.
Location: Sec. 35 Twp. 10s Rge. 18w Co. Rooks State Kans.		Est. Feet of Pay	

Recorder No. 13224 Type AK-1 Range 4350 PSI

Recorder Depth 3267

(A) Initial Hydrostatic Mud 1646 PSI

(B) First Initial Flow Pressure 196 PSI

(C) First Final Flow Pressure 196 PSI

(D) Initial Closed-in Pressure 535 PSI

(E) Second Initial Flow Pressure 196 PSI

(F) Second Final Flow Pressure 196 PSI

(G) Final Closed-in Pressure 622 PSI

(H) Final Hydrostatic Mud 1635 PSI

Temperature 9.7 38

Mud Weight Viscosity

Fluid Loss 19.4

Interval Tested 3227-3270

Anchor Length 43

Top Packer Depth 3222

Bottom Packer Depth 3227

Total Depth 3270

Drill Pipe Size 4 1/2 F.H.

Wt. Pipe I. D. Ft. Run -

Recovery—Total Feet 320

Recovered 320 Feet Of Mud

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Extra Equipment None

Recorder No. 7437 Type AK-1 Range 4200 PSI

Recorder Depth 3264

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 1/8"

Rubber Size 6 3/4"

Tool Open @ 1:58 A.M.

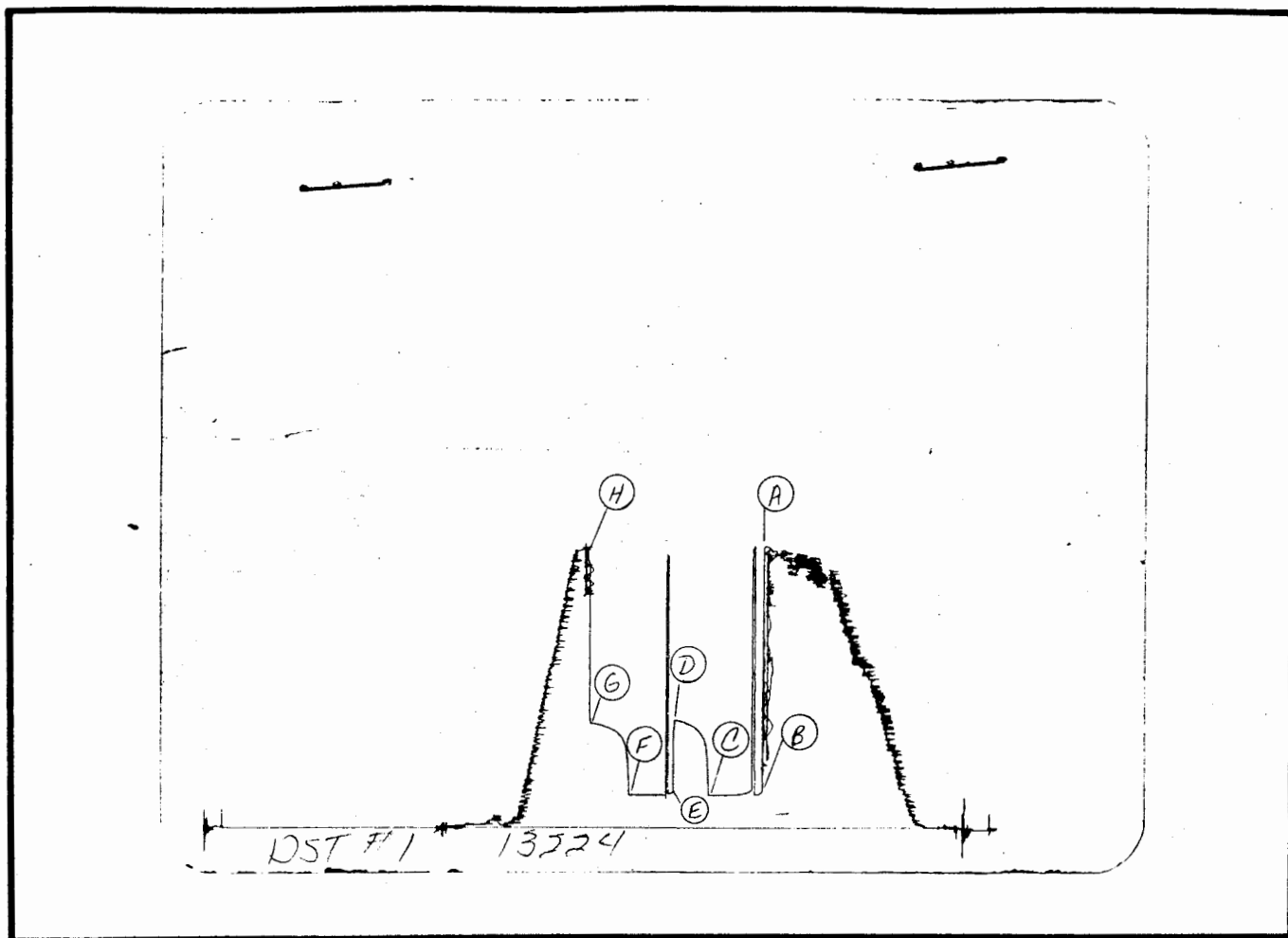
Blow Took 3 Times To Set Packers.

Remarks Weak Blow 2nd Open.

Flushed Tool 2nd Open.

Drill Collar I. D. 2.7 Ft. Run 219

Price of Job \$650.00



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1646	PSI
(B) First Initial Flow Pressure	196	PSI
(C) First Final Flow Pressure	196	PSI
(D) Initial Closed-in Pressure	535	PSI
(E) Second Initial Flow Pressure	196	PSI
(F) Second Final Flow Pressure	196	PSI
(G) Final Closed-in Pressure	622	PSI
(H) Final Hydrostatic Mud	1635	PSI

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P. O. BOX 3

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DRILL-STEM TEST DATA

Company	Montgomery Drlg.	Test No.	2
Well Name & Number	Stark #1	Zone Tested	K.C
Company Address	Hays, Ks.	Date	7-24-81
Comp. Rep.	Elbie McNeil	Tester	Dan Bangle
Contractor	Montgomery Exploration	Elevation	2083 G.L.
Location: Sec. 35 Twp. 10s Rge. 1 8w Co. Rooks State Ks.		Est. Feet of Pay	

Recorder No. 13224 Type AK-1 Range 4350 PSI

Recorder Depth 3530

(A) Initial Hydrostatic Mud 1910 PSI

(B) First Initial Flow Pressure 229 PSI

(C) First Final Flow Pressure 207 PSI

(D) Initial Closed-in Pressure 677 PSI

(E) Second Initial Flow Pressure 240 PSI

(F) Second Final Flow Pressure 218 PSI

(G) Final Closed-in Pressure 677 PSI

(H) Final Hydrostatic Mud 1822 PSI

Temperature

Mud Weight 9.8 Viscosity 39

Fluid Loss 15.2

Interval Tested 3485-3533

Anchor Length 48

Top Packer Depth 3480

Bottom Packer Depth 3485

Total Depth 3533

Drill Pipe Size 4 1/2 FH

Wt. Pipe I. D. Ft. Run

Recovery—Total Feet 196

Recovered 196 Feet Of MUD

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Extra Equipment NONE

Recorder No. 7437 Type AK-1 Range 4200 PSI

Recorder Depth 3527

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 @ 1:00 P.M.

Blow Weak

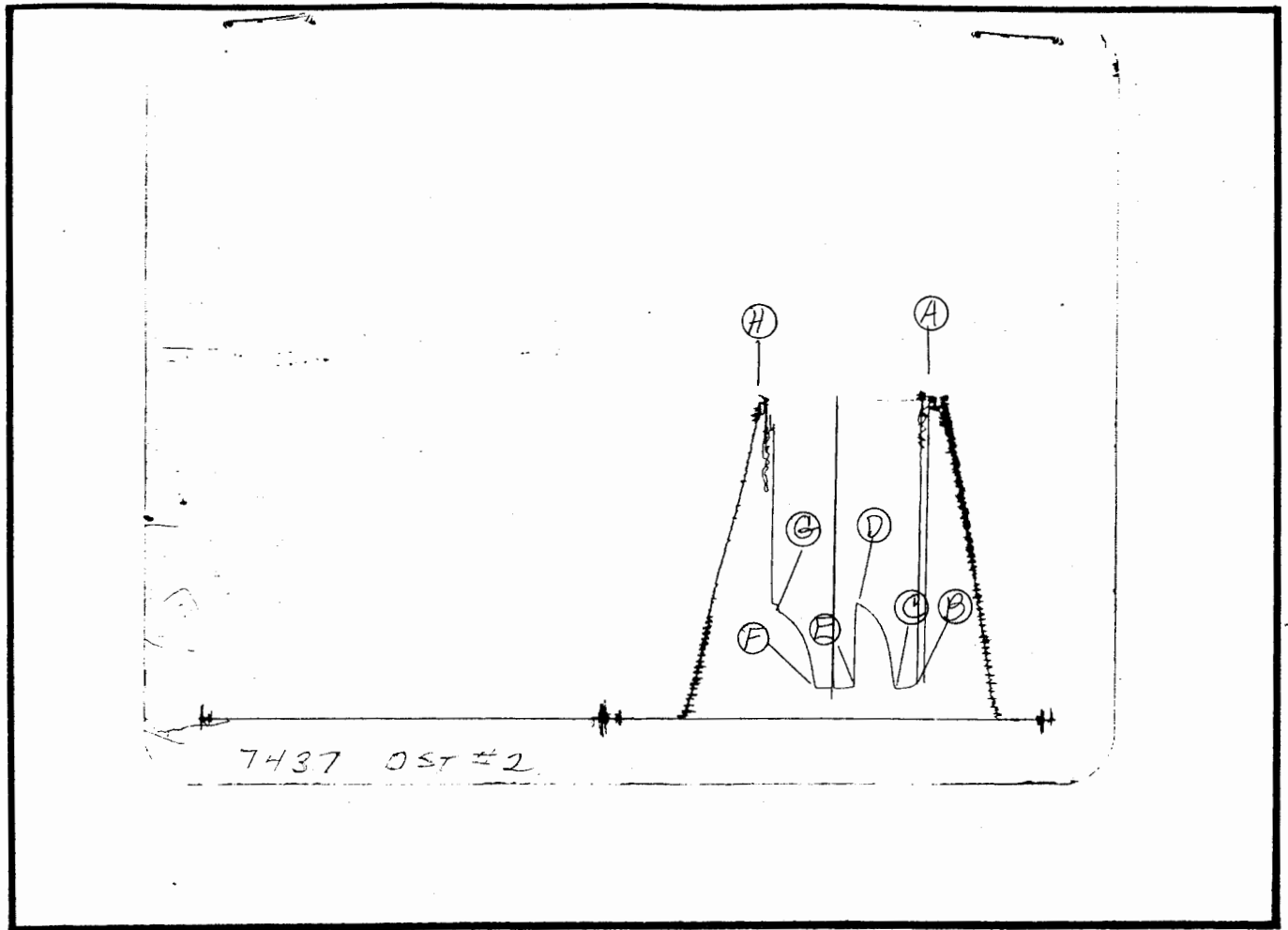
Remarks NO BLOW ON 2ND OPEN-FLUSHED TOOL.

DID NOT GET A PACKER SEAT ON FIRST TRY

RESET.

Drill Collar I. D. Ft. Run

Price of Job \$650.00



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1910	PSI
(B) First Initial Flow Pressure	229	PSI
(C) First Final Flow Pressure	207	PSI
(D) Initial Closed-in Pressure	677	PSI
(E) Second Initial Flow Pressure	240	PSI
(F) Second Final Flow Pressure	218	PSI
(G) Final Closed-in Pressure	677	PSI
(H) Final Hydrostatic Mud	1822	PSI

CHENEY TESTING COMPANY

P. O. BOX 3

HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Montgomery Drlg.	Test No.	3
Well Name & Number	Stark #1	Zone Tested	
Company Address	Hays, Ks.	Date	7-25-81
Comp. Rep.	Elbie McNeil	Tester	Dan Bangle
Contractor	Montgomery Explorations	Elevation	2083 G.L.
Location: Sec. 35 Twp. 10s Rge. 18w Co. Rooks State Ks.		Est. Feet of Pay	

Recorder No. 13224 Type AK-1 Range 4350 PSI

Recorder Depth 3632

(A) Initial Hydrostatic Mud 1964 PSI

(B) First Initial Flow Pressure 120 PSI

(C) First Final Flow Pressure 120 PSI

(D) Initial Closed-in Pressure 1125 PSI

(E) Second Initial Flow Pressure 131 PSI

(F) Second Final Flow Pressure 120 PSI

(G) Final Closed-in Pressure 1093 PSI

(H) Final Hydrostatic Mud 1855 PSI

Temperature

Mud Weight 9.6 Viscosity 40

Fluid Loss 15.2

Interval Tested 3575-3635

Anchor Length 60'

Top Packer Depth 3570

Bottom Packer Depth 3575

Total Depth 3635

Drill Pipe Size 4 1/2 F.H.

Wt. Pipe I. D. Ft. Run

Recovery—Total Feet 130

Recovered 130 Feet Of WATERY MUD.

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Extra Equipment NONE.

Recorder No. 7437 Type AK-1 Range 4200 PSI

Recorder Depth 3629

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

Initial Shut-in 45 Mins.

Flow Period 45 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 @ 10:45 A.M.

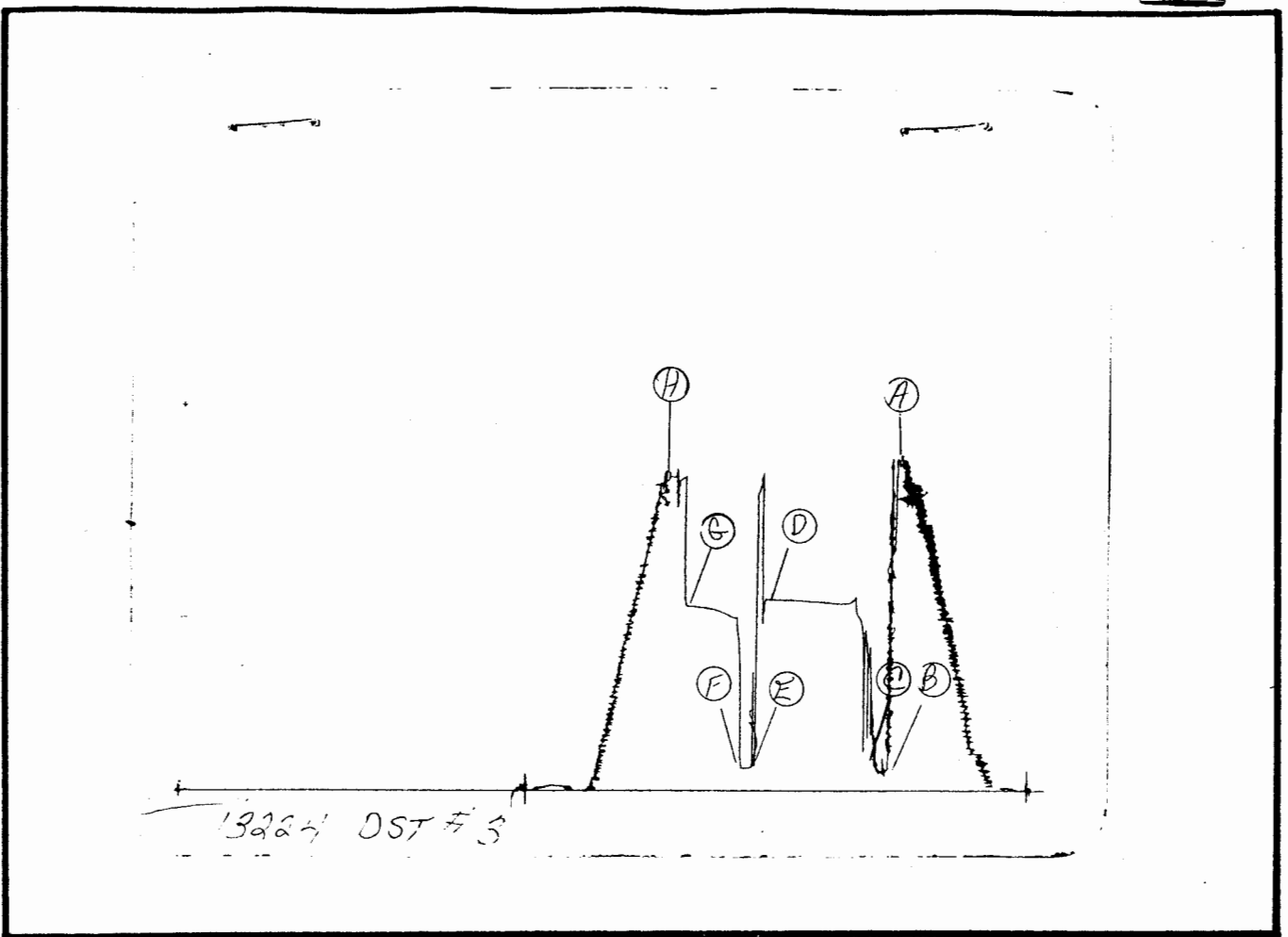
Blow MEDIUM 6" BLOW.

Remarks NO BLOW ON 2ND OPEN-FLUSHED TOOL

6" STRONG BLOW IN 15"

Drill Collar I. D. Ft. Run

Price of Job \$650.00



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1964	PSI
(B) First Initial Flow Pressure	120	PSI
(C) First Final Flow Pressure	120	PSI
(D) Initial Closed-in Pressure	1125	PSI
(E) Second Initial Flow Pressure	131	PSI
(F) Second Final Flow Pressure	120	PSI
(G) Final Closed-in Pressure	1093	PSI
(H) Final Hydrostatic Mud	1855	PSI