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	McWhirter #3	Zone Tested	Lansing 180'
Company Address	Wichita, Kansas	Date	12-3-80
Comp. Rep.	Raul F. Brito	Tester	Dan Bangle
Contractor	Co. Tools	Elevation	2827 K.B.
Location: Sec. 10 Twp. 19S Rge. 29W Co. Lane State Ks.		Est. Feet of Pay	

Recorder No. 11020 Type AK-1 Range 3900 PSI

Recorder Depth 4270

(A) Initial Hydrostatic Mud 2152 PSI

(B) First Initial Flow Pressure 50 PSI

(C) First Final Flow Pressure 60 PSI

(D) Initial Closed-in Pressure 1195 PSI

(E) Second Initial Flow Pressure 80 PSI

(F) Second Final Flow Pressure 100 PSI

(G) Final Closed-in Pressure 1185 PSI

(H) Final Hydrostatic Mud 2132 PSI

Temperature -

Mud Weight 9.3 Viscosity 40

Fluid Loss 10.4

Interval Tested 4242-4273

Anchor Length 31'

Top Packer Depth 4237

Bottom Packer Depth 4242

Total Depth 4273

Drill Pipe Size 4½ X.H.

Wt. Pipe I. D. - Ft. Run -

Recovery—Total Feet 180'

Recovered 20 Feet Of Clean Gassy Oil.

Recovered 100 Feet Of H.O.C.M.

Recovered 60 Feet Of S.O.C.M.

Recovered Feet Of

Extra Equipment None

Recorder No. 3695 Type AK-1 Range 5300 PSI

Recorder Depth 4267

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 7⅞"

Rubber Size 6¾"

Tool Open @ 6:30 A.M.

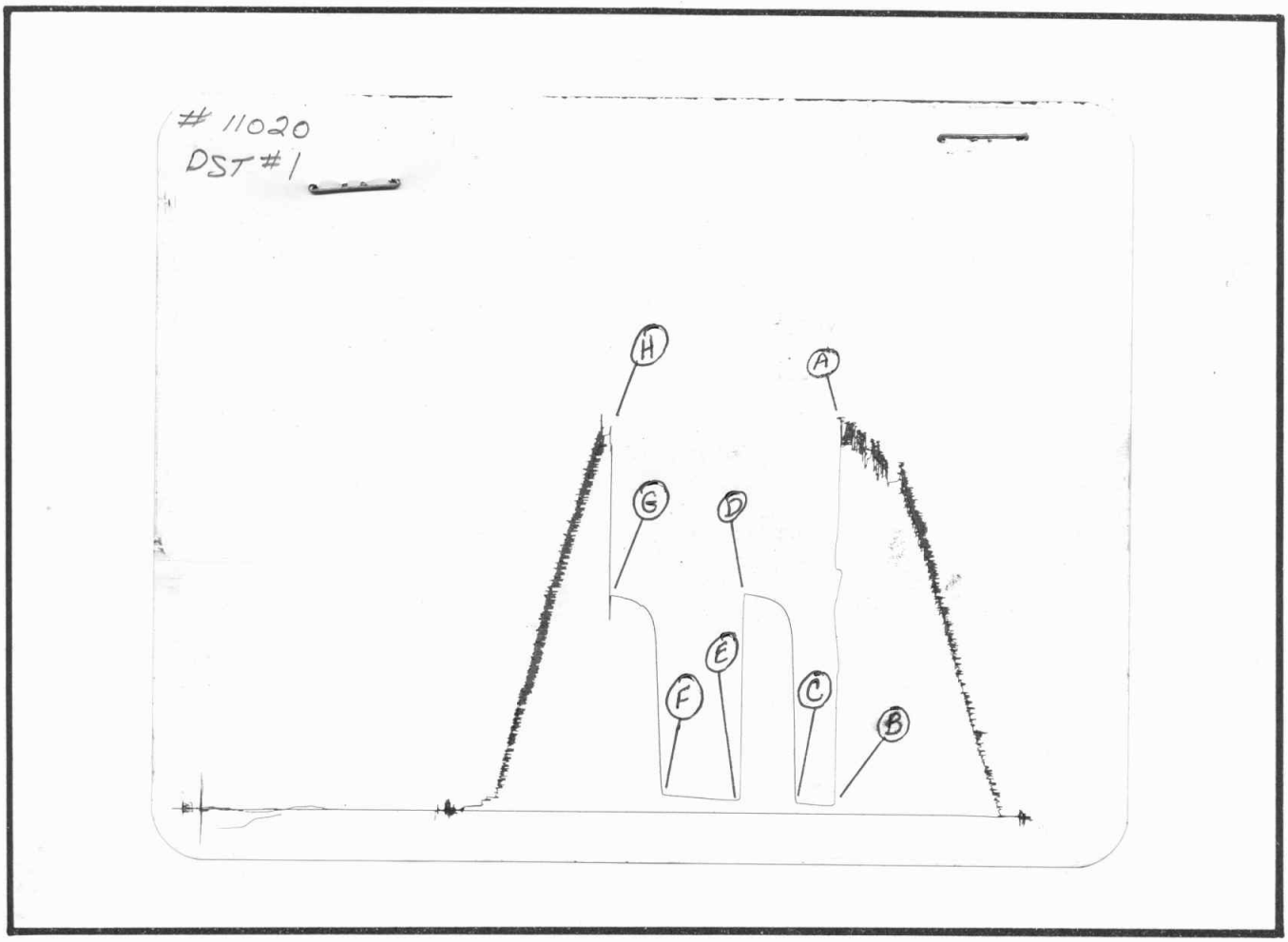
Blow 1" Blow Increasing To 10" Fair Blow.

Remarks Fair Blow Increasing To 4" Fair Blow On 2nd Open.

Drill Collar I. D. Ft. Run

Price of Job $650.00

COMPANY ABERCROMBIE DRLG. INC. LEASE AND WELL NO. MC WHIRTER #3 SEC. 10 TWP. 19S RGE. 29W TEST NO. 1 DATE 12-3-80



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2152		PSI
(B)	First Initial Flow Pressure	50		PSI
(C)	First Final Flow Pressure	60		PSI
(D)	Initial Closed-in Pressure	1195		PSI
(E)	Second Initial Flow Pressure	80		PSI
(F)	Second Final Flow Pressure	100		PSI
(G)	Final Closed-in Pressure	1185		PSI
(H)	Final Hydrostatic Mud	2132		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	Mc Whirter #3	Zone Tested	Marmaton
Company Address	Wichita, Kansas	Date	12-4-80
Comp. Rep.	Raul Brito	Tester	Dan Bangle
Contractor	Co. Tools	Elevation	2827 K.B.
Location: Sec. 10 Twp. 19S Rge. 29W Co. Lane State Ks.		Est. Feet of Pay	

Recorder No. 11020 Type AK-1 Range 3900 PSI

Recorder Depth 4442

(A) Initial Hydrostatic Mud 2300 PSI

(B) First Initial Flow Pressure 100 PSI

(C) First Final Flow Pressure 290 PSI

(D) Initial Closed-in Pressure 519 PSI

(E) Second Initial Flow Pressure 350 PSI

(F) Second Final Flow Pressure 450 PSI

(G) Final Closed-in Pressure 519 PSI

(H) Final Hydrostatic Mud 2280 PSI

Temperature -

Mud Weight 9.4 Viscosity 48

Fluid Loss 10.8

Interval Tested 4374-4445

Anchor Length 71'

Top Packer Depth 4369

Bottom Packer Depth 4374

Total Depth 4445

Drill Pipe Size 4½ X.H.

Wt. Pipe I. D. - Ft. Run -

Recovery—Total Feet 937

Recovered 10' Feet Of Oil Spec. Mud.

Recovered 120 Feet Of Mud.

Recovered 807 Feet Of Muddy Water.

Recovered Feet Of

Extra Equipment None

Recorder No. 3695 Type AK-1 Range 5300 PSI

Recorder Depth 4439

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 ¾"

Main Hole Size 7⅞"

Rubber Size 6¾"

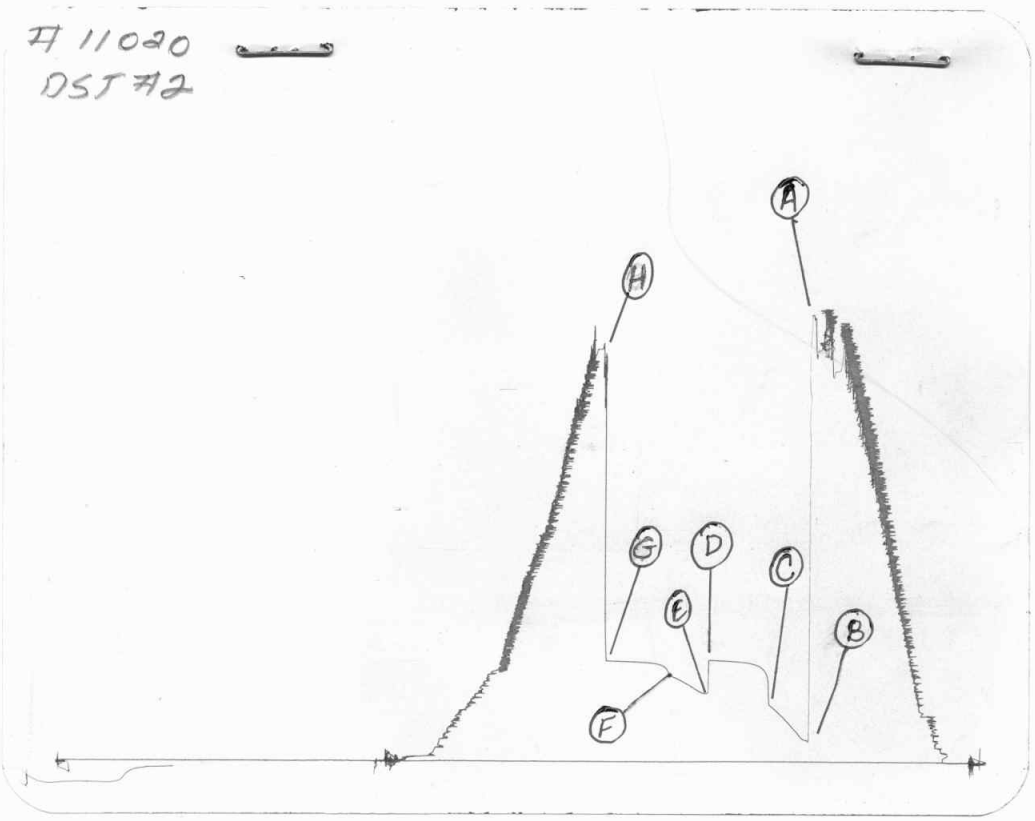
Tool Open @ 4:25 P.M.

Blow Fair Blow Building To Very Strong Blow

Remarks Off Bottom Of 5 Gal. Bucket.

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	2300		PSI
(B)	First Initial Flow Pressure	100		PSI
(C)	First Final Flow Pressure	290		PSI
(D)	Initial Closed-in Pressure	519		PSI
(E)	Second Initial Flow Pressure	350		PSI
(F)	Second Final Flow Pressure	450		PSI
(G)	Final Closed-in Pressure	519		PSI
(H)	Final Hydrostatic Mud	2280		PSI

COMPANY ADVANCED DATA, INC. LEASE AND WELL NO. MC MILLER #2 SEC. 10 TWP. 19S RGE. 29W TEST NO. 2 DATE 12-4-80

CHENEY TESTING COMPANY

P. O. BOX 3 HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Abercrombie Drlg. Inc.	Test No.	3 Straddle
Well Name & Number	Mc Whirter #3	Zone Tested	220' K.C.
Company Address	Wichita, Kansas	Date	12-6-80
Comp. Rep.	Raul Brito	Tester	Dan Bangle
Contractor	Abercrombie Drlg Inc.	Elevation	2827 K.B.
Location: Sec. 10 Twp. 19S Rge. 29W Co. Lane State Ks.		Est. Feet of Pay	

Recorder No. 11020 Type AK-1 Range 3900 PSI		Recorder No. 3695 Type AK-1 Range 5300 PSI	
Recorder Depth	4344	Recorder Depth	4341
(A) Initial Hydrostatic Mud	2201 PSI	Tool Open Before I. S. I.	30 Mins.
(B) First Initial Flow Pressure	440 PSI	Initial Shut-in	45 Mins.
(C) First Final Flow Pressure	1047 PSI	Flow Period	30 Mins.
(D) Initial Closed-in Pressure	1205 PSI	Final Shut-in	45 Mins.
(E) Second Initial Flow Pressure	1106 PSI	Surface Choke Size	1"
(F) Second Final Flow Pressure	1195 PSI	Bottom Choke Size	¾"
(G) Final Closed-in Pressure	1235 PSI	Main Hole Size	7 7/8"
(H) Final Hydrostatic Mud	2181 PSI	Rubber Size	6¾"
Temperature	-	Tool Open @	11:40 P.M.
Mud Weight 9.4 Viscosity	48	Blow	Very Strong Blow Off Bottom Of 5
Fluid Loss	10.8	Remarks	Gal. Bucket.
Interval Tested	4330-4348	2nd Open - Fair Blow Building To Very Strong Blow Off Bottom Of 5 Gal. Bucket.	
Anchor Length	18'		
Top Packer Depth	4330		
Bottom Packer Depth	4348		
Total Depth	4490		
Drill Pipe Size	4½ X.H.		
Wt. Pipe I. D. Ft. Run	-	Drill Collar I. D. Ft. Run	
Recovery—Total Feet	3019		

Recovered 71' Feet Of S.O.C.M. (5% Oil, 20% Water, 75% Mud)

Recovered 2948' Feet Of S/ Water

Recovered Feet Of

Recovered Feet Of

Extra Equipment

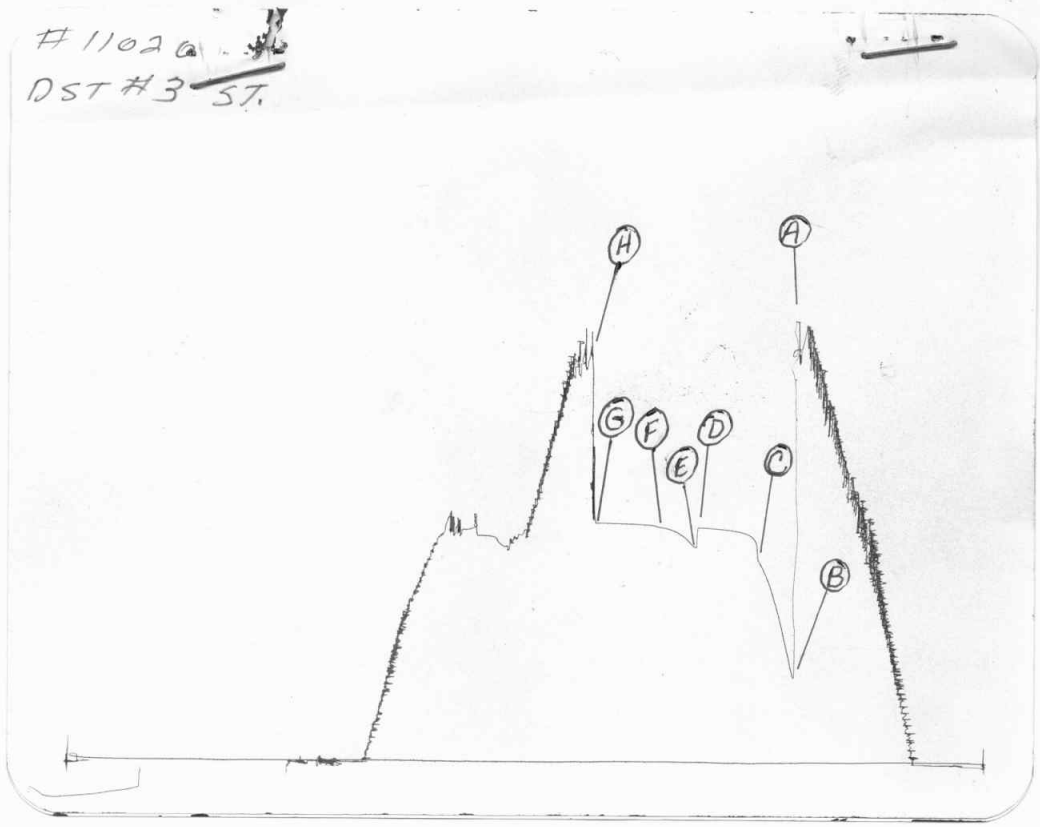
DST	-$650.00
Straddle	-$250.00
Extra Packer	-$125.00
Price of Job	$1025.00

Approved By

Our Representative

TICKET NO. 2738

COMPANY ABERCROMBIE DRLG., INC. LEASE AND WELL NO. MC WHIRTER #3 SEC. 10 TWP. 19S RGE. 29W TEST NO. 3 DATE 12-6-80



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2201		PSI
(B)	First Initial Flow Pressure	440		PSI
(C)	First Final Flow Pressure	1047		PSI
(D)	Initial Closed-in Pressure	1205		PSI
(E)	Second Initial Flow Pressure	1106		PSI
(F)	Second Final Flow Pressure	1195		PSI
(G)	Final Closed-in Pressure	1235		PSI
(H)	Final Hydrostatic Mud	2181		PSI