

CHENEY TESTING COMPANY

P. O. BOX 3

HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Sunburst Exploration Co.	Test No.	1
Well Name & Number	McEwen #1	Zone Tested	Toronto
Company Address	Wichita Ks.	Date	9/1/83
Comp. Rep.	Jerry Honas	Tester	Dan Bangle
Contractor	Abercrombie Drlg. Co. #4	Elevation	2250 K.B.
Location: Sec. 34 Twp. 4s Rge. 22w Co. Norton State Ks.		Est. Feet of Pay	

Recorder No. 13370 Type AK-1 Range 3900 PSI

Recorder Depth 3463

(A) Initial Hydrostatic Mud 1792 PSI

(B) First Initial Flow Pressure 89 PSI

(C) First Final Flow Pressure 148 PSI

(D) Initial Closed-in Pressure 1301 PSI

(E) Second Initial Flow Pressure 178 PSI

(F) Second Final Flow Pressure 238 PSI

(G) Final Closed-in Pressure 1292 PSI

(H) Final Hydrostatic Mud 1723 PSI

Temperature 107

Mud Weight 9.6 Viscosity 42

Fluid Loss 9.6

Interval Tested 3394-3470

Anchor Length 76

Top Packer Depth 3389

Bottom Packer Depth 3394

Total Depth 3470

Drill Pipe Size 4 1/2 XH

Wt. Pipe I. D. 3.25 Ft. Run 374

Recovery—Total Feet 720

Recovered 124 Feet Of mud. (No show)

Recovered 596 Feet Of salt water.

Recovered Feet Of

Recovered Feet Of

Extra Equipment Safety Joint

Recorder No. 13372 Type AK-1 Range 3975 PSI

Recorder Depth 3467

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

Initial Shut-in 45 Mins.

Flow Period 45 Mins.

Final Shut-in — Mins.

Surface Choke Size 1"

Bottom Choke Size 3/4"

Main Hole Size 7 7/8"

Rubber Size 6 3/4"

Tool Open @ 9:55 PM

Blow 1st open: Weak, building to 12" in

Remarks water.

2nd open: Weak, building to 14"

strong blow.

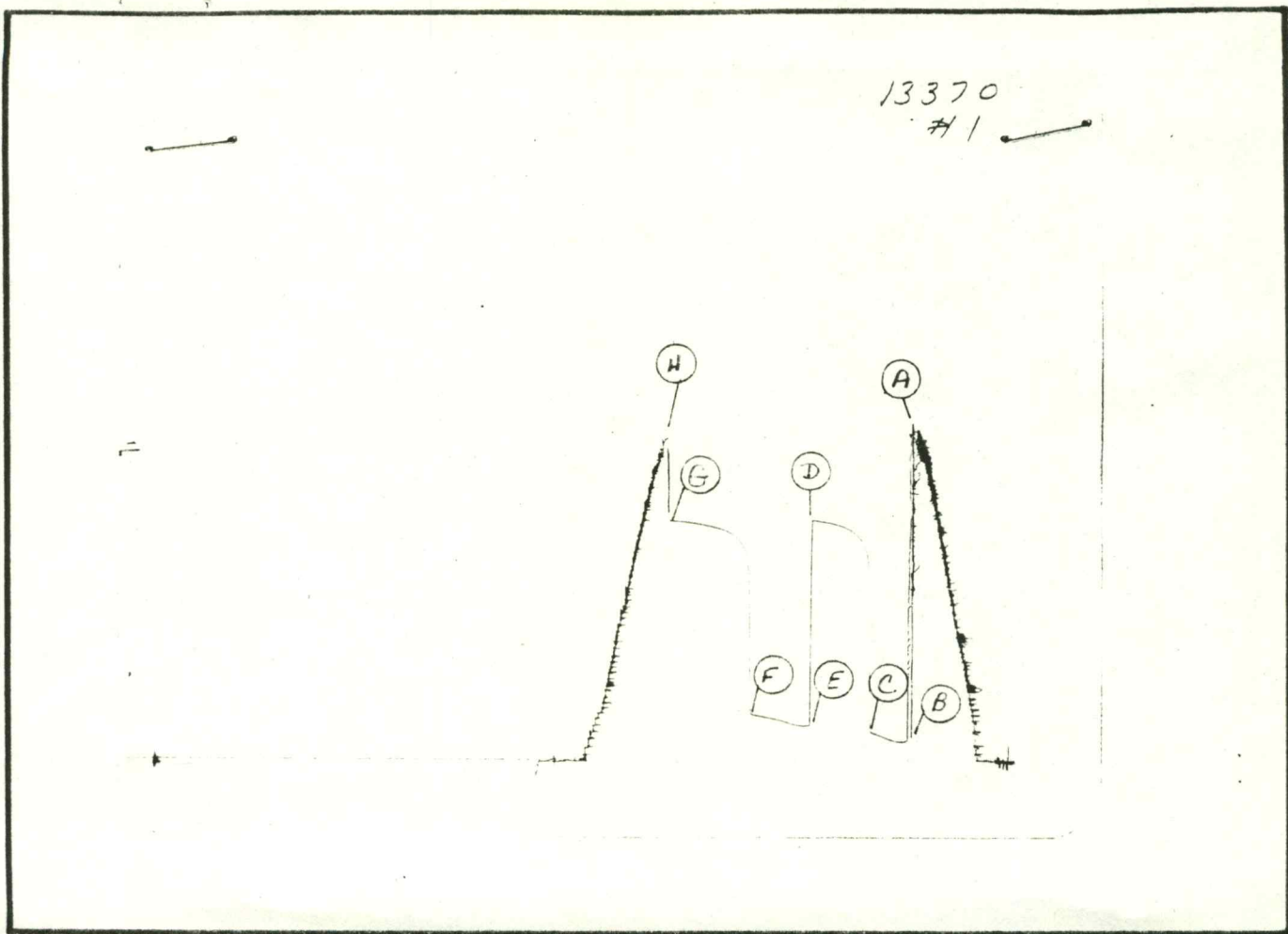
Slid tool 10' to bottom.

Chlorides: 45,000 ppm

Drill Collar I. D. Ft. Run

Price of Job \$615.00

34-42-243
C N2-N2-NW



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1792	PSI
(B) First Initial Flow Pressure	89	PSI
(C) First Final Flow Pressure	148	PSI
(D) Initial Closed-in Pressure	1301	PSI
(E) Second Initial Flow Pressure	178	PSI
(F) Second Final Flow Pressure	238	PSI
(G) Final Closed-in Pressure	1292	PSI
(H) Final Hydrostatic Mud	1723	PSI

CHENEY TESTING COMPANY

P. O. BOX 3

HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Sunburst Exploration Co.	Test No.	2
Well Name & Number	Mc Ewen #1	Zone Tested	'B-D' L,K.C.
Company Address	Wichita Ks.	Date	9/2/83
Comp. Rep.	Jerry Honas	Tester	Dan Bangle
Contractor	Abercrombie Drlg. Co. #4	Elevation	2249 KB
Location: Sec. 34 Twp. 4s Rge. 22w Co.Norton State Ks.		Est. Feet of Pay	

Recorder No.13370 Type AK-1 Range 3900 PSI

Recorder Depth 3493

(A) Initial Hydrostatic Mud 1743 PSI

(B) First Initial Flow Pressure 69 PSI

(C) First Final Flow Pressure 69 PSI

(D) Initial Closed-in Pressure 1311 PSI

(E) Second Initial Flow Pressure 89 PSI

(F) Second Final Flow Pressure 109 PSI

(G) Final Closed-in Pressure 1301 PSI

(H) Final Hydrostatic Mud 1635 PSI

Temperature 108

Mud Weight 9.4 Viscosity 56

Fluid Loss 10.2

Interval Tested 3460-3500

Anchor Length 40

Top Packer Depth 3455

Bottom Packer Depth 3460

Total Depth 3500

Drill Pipe Size 4½ XH

Wt. Pipe I. D. 3.25 Ft. Run 374

Recovery—Total Feet 180

Recovered 60 Feet Of Drilling mud. (no show)

Recovered 120 Feet Of saltwater.

Recovered Feet Of

Recovered Feet Of

Extra Equipment Safety Joint

Recorder No.13372 Type AK-1 Range 3975 PSI

Recorder Depth 3497

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

Initial Shut-in 45 Mins.

Flow Period 60 Mins.

Final Shut-in 60 Mins.

Surface Choke Size 1"

Bottom Choke Size ¾"

Main Hole Size 7⅞"

Rubber Size 6¾"

Tool Open @ 11:05 AM

Blow 1st open: Weak- bulding to 5" fair blow

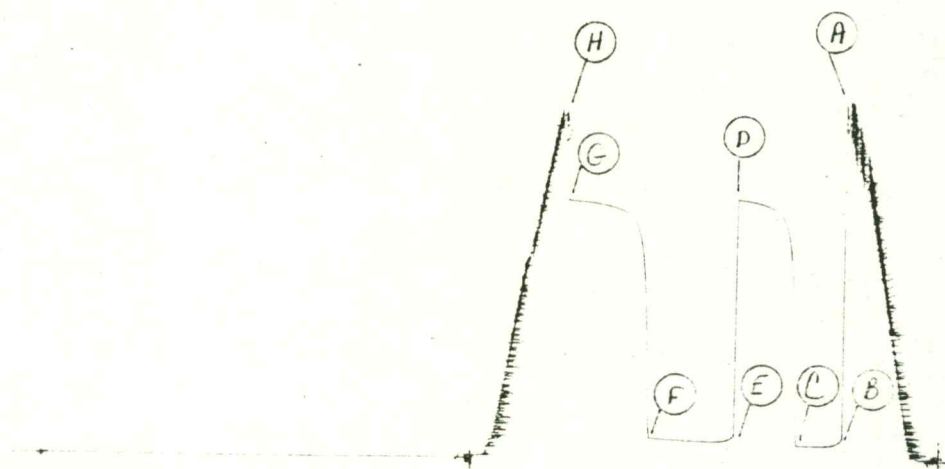
Remarks 2nd open: Weak - building to 1" blow.

Chlorides: 37,000 ppm

Drill Collar I. D. Ft. Run

Price of Job \$615.00

13370
#2



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1743	PSI
(B) First Initial Flow Pressure	69	PSI
(C) First Final Flow Pressure	69	PSI
(D) Initial Closed-in Pressure	1311	PSI
(E) Second Initial Flow Pressure	89	PSI
(F) Second Final Flow Pressure	109	PSI
(G) Final Closed-in Pressure	1301	PSI
(H) Final Hydrostatic Mud	1635	PSI

CHENEY TESTING COMPANY

P. O. BOX 3

HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Sunburst Exploration Co.	Test No.	3
Well Name & Number	McEwen #1	Zone Tested	Lansing
Company Address	Wichita Ks.	Date	9/3/83
Comp. Rep.	Jerry Honas	Tester	Mike Finnesy
Contractor	Abercrombie Drlg. Co.	Elevation	2249 KB
Location: Sec. 34 Twp. 4s Rge. 22w Co. Norton State Ks.		Est. Feet of Pay	

Recorder No. 13370 Type AK-1 Range 3900 PSI

Recorder Depth 3622

(A) Initial Hydrostatic Mud 1792 PSI

(B) First Initial Flow Pressure 69 PSI

(C) First Final Flow Pressure 69 PSI

(D) Initial Closed-in Pressure 1047 PSI

(E) Second Initial Flow Pressure 79 PSI

(F) Second Final Flow Pressure 89 PSI

(G) Final Closed-in Pressure 978 PSI

(H) Final Hydrostatic Mud 1772 PSI

Temperature 111

Mud Weight 9.5 Viscosity 58

Fluid Loss 10.2

Interval Tested 3533-3630

Anchor Length 97

Top Packer Depth 3528

Bottom Packer Depth 3533

Total Depth 3630

Drill Pipe Size 4 1/2 XH

Wt. Pipe I. D. 3.25 Ft. Run 374

Recovery—Total Feet 61

Recovered 61 Feet Of drilling mud. (no show)

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Extra Equipment Safety Joint Price of Job \$615.00

Recorder No. 13372 Type AK-1 Range 3975 PSI

Recorder Depth 3627

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

Initial Shut-in 45 Mins.

Flow Period 60 Mins.

Final Shut-in 60 Mins.

Surface Choke Size 1"

Bottom Choke Size 3/4"

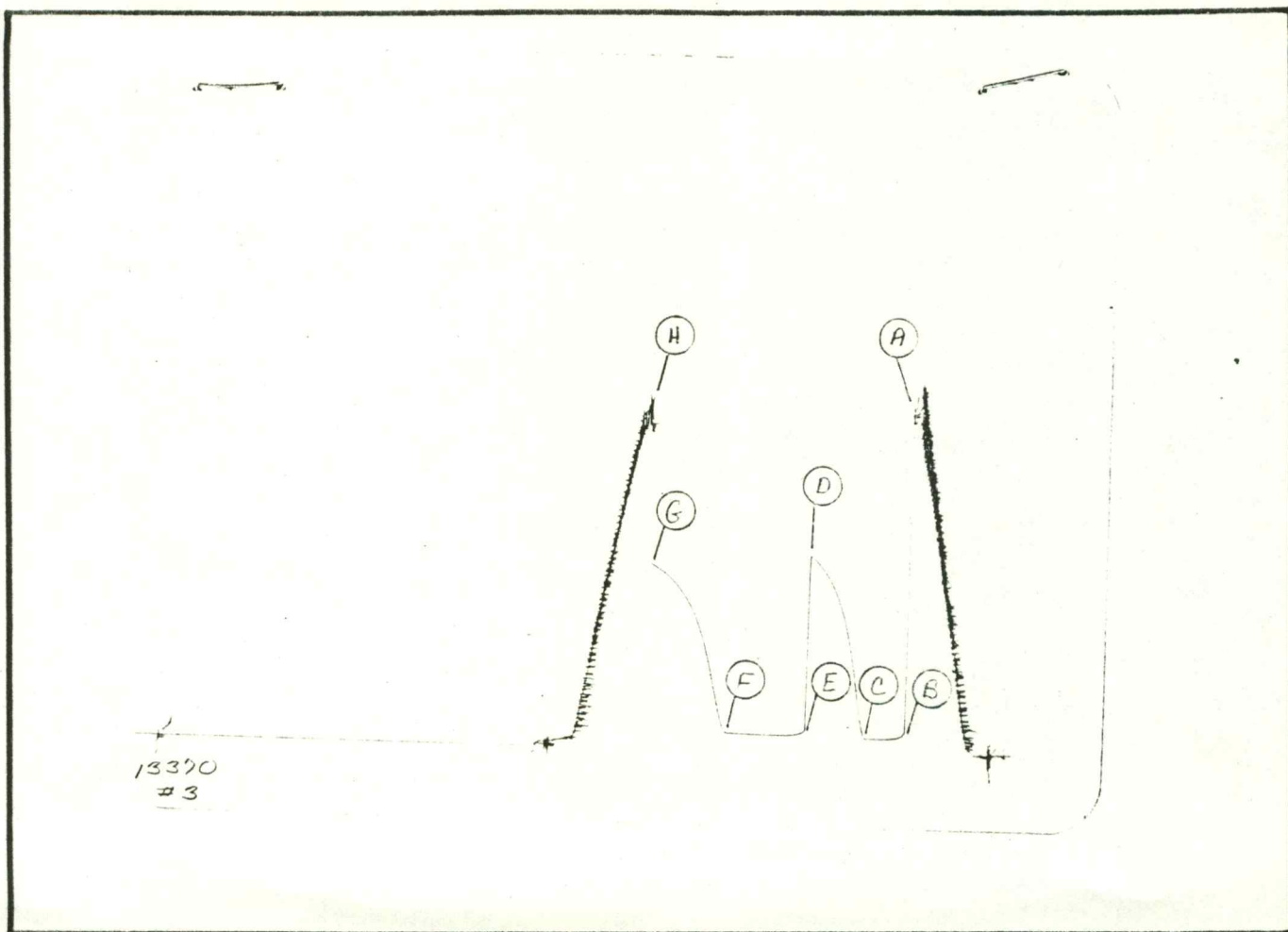
Main Hole Size 7 7/8"

Rubber Size 6 3/4"

Tool Open @ 8:15 AM

Blow 1st open: Weak blow, built to 1".

Remarks 2nd open: Weak blow, died in 40 minu



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1792	PSI
(B) First Initial Flow Pressure	69	PSI
(C) First Final Flow Pressure	69	PSI
(D) Initial Closed-in Pressure	1047	PSI
(E) Second Initial Flow Pressure	79	PSI
(F) Second Final Flow Pressure	89	PSI
(G) Final Closed-in Pressure	978	PSI
(H) Final Hydrostatic Mud	1772	PSI

CHENEY TESTING COMPANY

P. O. BOX 3

HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Sunburst Exploration Co.	Test No.	4
Well Name & Number	McEwen #1	Zone Tested	Arbuckle
Company Address	Wichita Ks.	Date	9/4/83
Comp. Rep.	Jerry Honas	Tester	Mike Finnesy
Contractor	Abercrombie Drlg. Co.	Elevation	2249 KB
Location: Sec. 34 Twp. 4s Rge. 22w Co. Norton State Ks.		Est. Feet of Pay	

Recorder No. 13370 Type AK-1 Range 3900 PSI

Recorder Depth 3689

(A) Initial Hydrostatic Mud 1909 PSI

(B) First Initial Flow Pressure 29 PSI

(C) First Final Flow Pressure 29 PSI

(D) Initial Closed-in Pressure 446 PSI

(E) Second Initial Flow Pressure 29 PSI

(F) Second Final Flow Pressure 29 PSI

(G) Final Closed-in Pressure 267 PSI

(H) Final Hydrostatic Mud 1841 PSI

Temperature 120

Mud Weight 9.4 Viscosity 58

Fluid Loss 10

Interval Tested 3680-3697

Anchor Length 17

Top Packer Depth 3675

Bottom Packer Depth 3680

Total Depth 3697

Drill Pipe Size 4 1/2 XH

Wt. Pipe I. D. 3.25 Ft. Run 374

Recovery—Total Feet 20

Recovered 20 Feet Of mud with oil specks.

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Extra Equipment Safety Joint

Recorder No. 13372 Type AK-1 Range 3975 PSI

Recorder Depth 3694

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

Initial Shut-in 45 Mins.

Flow Period 30 Mins.

Final Shut-in 60 Mins.

Surface Choke Size 1"

Bottom Choke Size 3/4"

Main Hole Size 7 7/8"

Rubber Size 6 3/4"

Tool Open @ 11:45PM

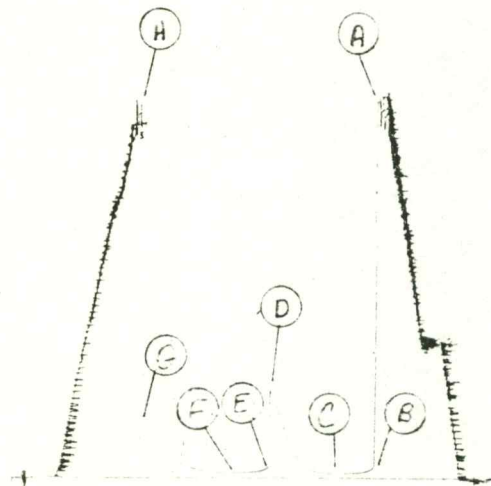
Blow 1st open: Weak blow, died in 26 min

Remarks 2nd open: No blow.

Drill Collar I. D. Ft. Run

Price of Job \$615.00

13390 #4



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1909	PSI
(B) First Initial Flow Pressure	29	PSI
(C) First Final Flow Pressure	29	PSI
(D) Initial Closed-in Pressure	446	PSI
(E) Second Initial Flow Pressure	29	PSI
(F) Second Final Flow Pressure	29	PSI
(G) Final Closed-in Pressure	267	PSI
(H) Final Hydrostatic Mud	1841	PSI

CHENEY TESTING COMPANY

P. O. BOX 3

HILL CITY, KANSAS 67642

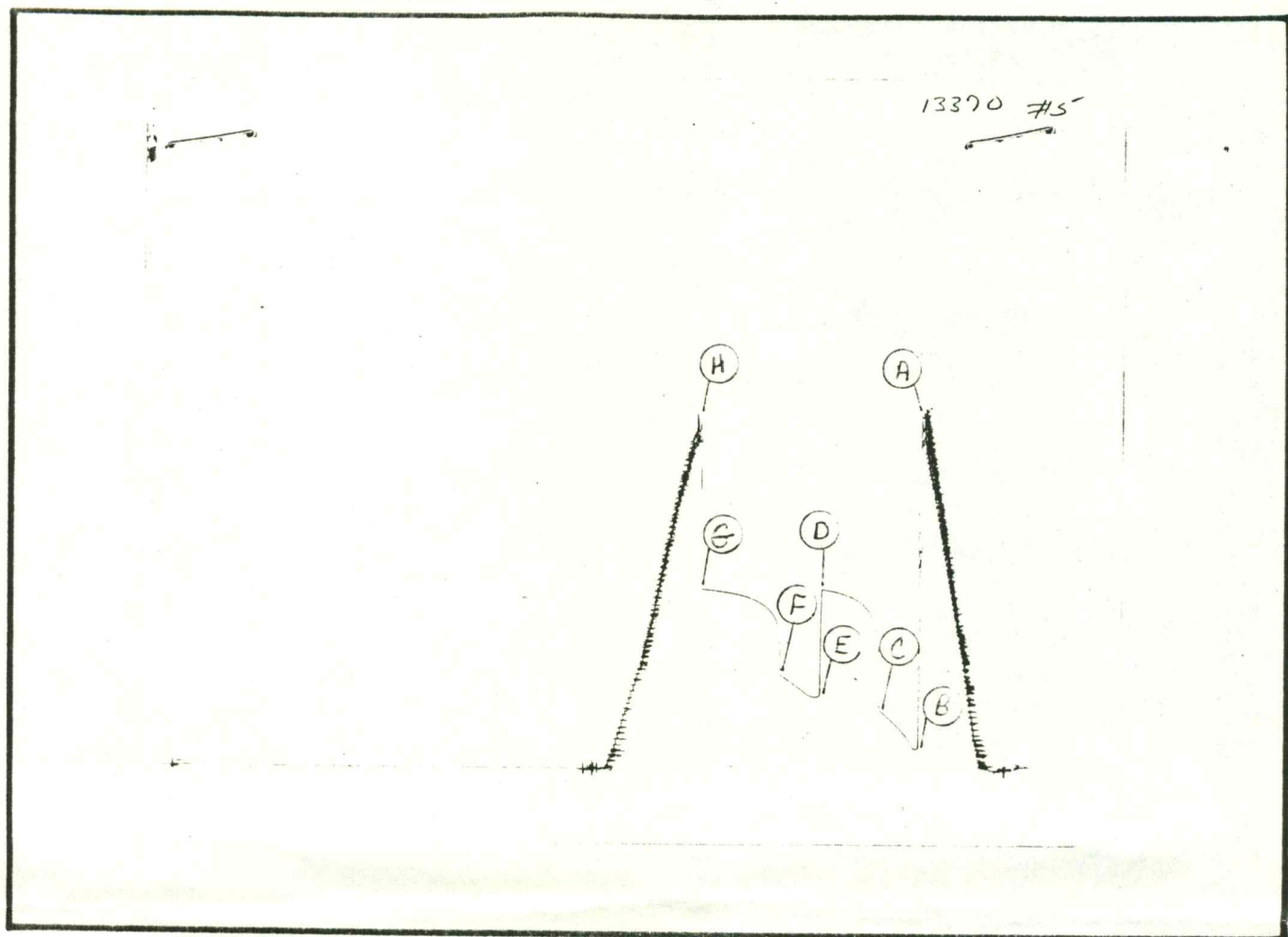
DRILL-STEM TEST DATA

Company	Sunburst Exploration Co.	Test No.	5
Well Name & Number	McEwen #1	Zone Tested	Arbuckle
Company Address	Wichita Ks.	Date	9/4/83
Comp. Rep.	Jerry Honas	Tester	Mike Finnesy
Contractor	Abercrombie Drlg.	Elevation	2249 KB
Location: Sec. 34 Twp. 4s Rge. 22w Co. Norton State Ks.		Est. Feet of Pay	

Recorder No. 13370 Type AK-1 Range 3900 PSI
 Recorder Depth 3701
 (A) Initial Hydrostatic Mud 1792 PSI
 (B) First Initial Flow Pressure 89 PSI
 (C) First Final Flow Pressure 297 PSI
 (D) Initial Closed-in Pressure 968 PSI
 (E) Second Initial Flow Pressure 357 PSI
 (F) Second Final Flow Pressure 486 PSI
 (G) Final Closed-in Pressure 958 PSI
 (H) Final Hydrostatic Mud 1752 PSI
 Temperature 120
 Mud Weight 9.4 Viscosity 58
 Fluid Loss 10
 Interval Tested 3680-3709
 Anchor Length 29
 Top Packer Depth 3675
 Bottom Packer Depth 3680
 Total Depth 3709
 Drill Pipe Size 4 1/2 XH
 Wt. Pipe I. D. 3.25 Ft. Run 374
 Recovery—Total Feet 1085
 Recovered 1085 Feet Of salt water.
 Recovered Feet Of
 Recovered Feet Of
 Recovered Feet Of
 Extra Equipment Safety Joint

Recorder No. 13372 Type AK-1 Range 3975 PSI
 Recorder Depth 3706
 Tool Open Before I. S. I. 30 Mins.
 Initial Shut-in 45 Mins.
 Flow Period 30 Mins.
 Final Shut-in 60 Mins.
 Surface Choke Size 1"
 Bottom Choke Size 3/4"
 Main Hole Size 7 1/8"
 Rubber Size 6 3/4"
 Tool Open @ 11:45 AM
 Blow 1st open: Very strong blow off bottom
 Remarks of 5 gallon bucket in 3 minutes.
 2nd open: Very strong blow off bottom
 of 5 gallon bucket in 5 minutes.
 Chlorides: 48,000 ppm
 Drill Collar I. D. Ft. Run

Price of Job \$615.00



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1792	PSI
(B) First Initial Flow Pressure	89	PSI
(C) First Final Flow Pressure	297	PSI
(D) Initial Closed-in Pressure	968	PSI
(E) Second Initial Flow Pressure	357	PSI
(F) Second Final Flow Pressure	486	PSI
(G) Final Closed-in Pressure	958	PSI
(H) Final Hydrostatic Mud	1752	PSI

CHENEY TESTING COMPANY

P. O. BOX 3

HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Sunburst Exploration Co..	Test No.	6
Well Name & Number	McEwen #1	Zone Tested	Lansing
Company Address	Wichita Ks.	Date	9/5/83
Comp. Rep.	Jerry Honas	Tester	Gary Pevoteaux
Contractor	Abercrombie Drlg. #4	Elevation	2249 KB
Location: Sec. 34 Twp. 4s Rge. 22w Co. Norton State Ks.		Est. Feet of Pay	

Recorder No. 13276 Type AK-1 Range 4000 PSI

Recorder Depth 3495

(A) Initial Hydrostatic Mud 1755 PSI

(B) First Initial Flow Pressure 61 PSI

(C) First Final Flow Pressure 63 PSI

(D) Initial Closed-in Pressure 1290 PSI

(E) Second Initial Flow Pressure 68 PSI

(F) Second Final Flow Pressure 79 PSI

(G) Final Closed-in Pressure 1290 PSI

(H) Final Hydrostatic Mud 1744 PSI

Temperature 110

Mud Weight 9.2 Viscosity 42

Fluid Loss 12.0

Interval Tested 3492-3524

Anchor Length 32

Top Packer Depth 3487& 3492

Bottom Packer Depth 3524

Total Depth 3760

Drill Pipe Size 4 1/2 XH

Wt. Pipe I. D. 3.25 Ft. Run 190

Recovery—Total Feet 124

Recovered 124 Feet Of watery mud.

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Extra Equipment Straddle, Safety Joint, Extra Packer Price of Job \$1040.00

Recorder No. 13639 Type AK-1 Range 4675 PSI

Recorder Depth 3490

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

Initial Shut-in 45 Mins.

Flow Period 45 Mins.

Final Shut-in 60 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 AM

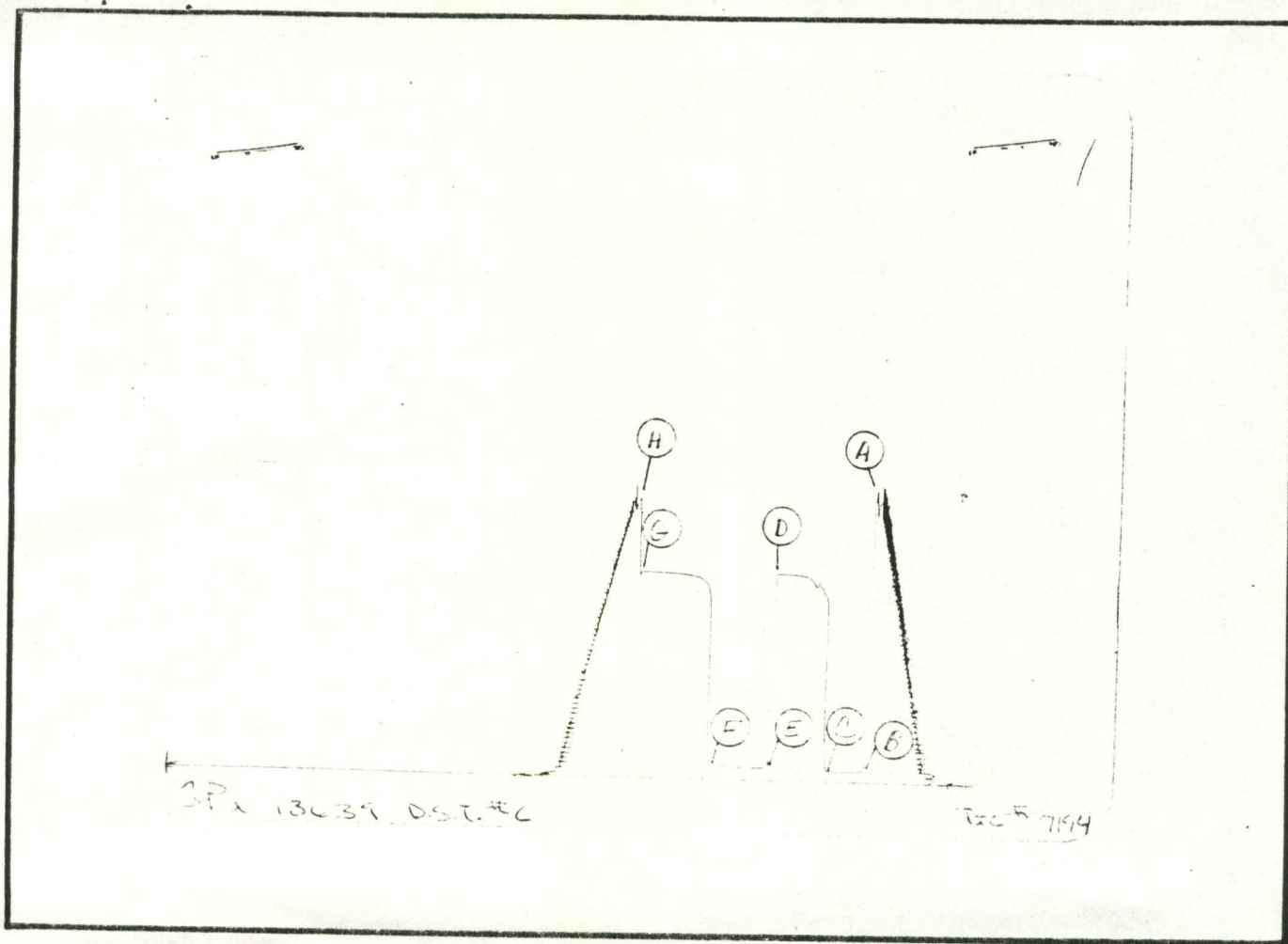
Blow 1st open: Fair blow, increased from 3

Remarks 5".

2nd open: Weak throughout, slow
increase to 1".

Chlorides: 55,000 ppm

Drill Collar I. D. Ft. Run



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1755	PSI
(B) First Initial Flow Pressure	61	PSI
(C) First Final Flow Pressure	63	PSI
(D) Initial Closed-in Pressure	1290	PSI
(E) Second Initial Flow Pressure	68	PSI
(F) Second Final Flow Pressure	79	PSI
(G) Final Closed-in Pressure	1290	PSI
(H) Final Hydrostatic Mud	1744	PSI