CHENEY TESTING COMPANY

P. O. BOX 3 HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Pickrell Drlg.. Co.	Test No.	1
Well Name & Number	Sidebottom # B-1	Zone Tested	Fort Scott
Company Address	Wichita, Kan.	Date	1-5-78
Comp. Rep.	Dick Linehan	Tester	Kirk Cheney
Contractor	Company Tools	Elevation	2489 K.B.
Location: Sec. 33 Twp. 16S Rge. 24W Co. Ness	State Kan.	Est. Feet of Pay	

Recorder No. 7370 Type Kuster Range 4050 PSI

Recorder Depth 4387

(A) Initial Hydrostatic Mud 2191 PSI

(B) First Initial Flow Pressure 30 PSI

(C) First Final Flow Pressure 30 PSI

(D) Initial Closed-in Pressure 30 PSI

(E) Second Initial Flow Pressure 30 PSI

(F) Second Final Flow Pressure 30 PSI

(G) Final Closed-in Pressure - PSI

(H) Final Hydrostatic Mud 2182 PSI

Temperature 114°

Mud Weight 9.6 Viscosity 40

Fluid Loss 9.6 cc

Interval Tested 4360-4390

Anchor Length 30'

Top Packer Depth 4355

Bottom Packer Depth 4360

Total Depth 4390

Drill Pipe Size 4½ F.H.

Wt. Pipe I. D. 2.7 Ft. Run 610

Recorder No 7456 Type Kuster Range 4150 PSI

Recorder Depth 4384

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

Initial Shut-in 30 Mins.

Flow Period 10 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 @ 6:15 P.M.

Blow Very weak for 25 min. & died.

Remarks Dead on second opening.

Drill Collar I. D. Ft. Run

Recovery—Total Feet 10

Recovered 10 Feet Of Mud

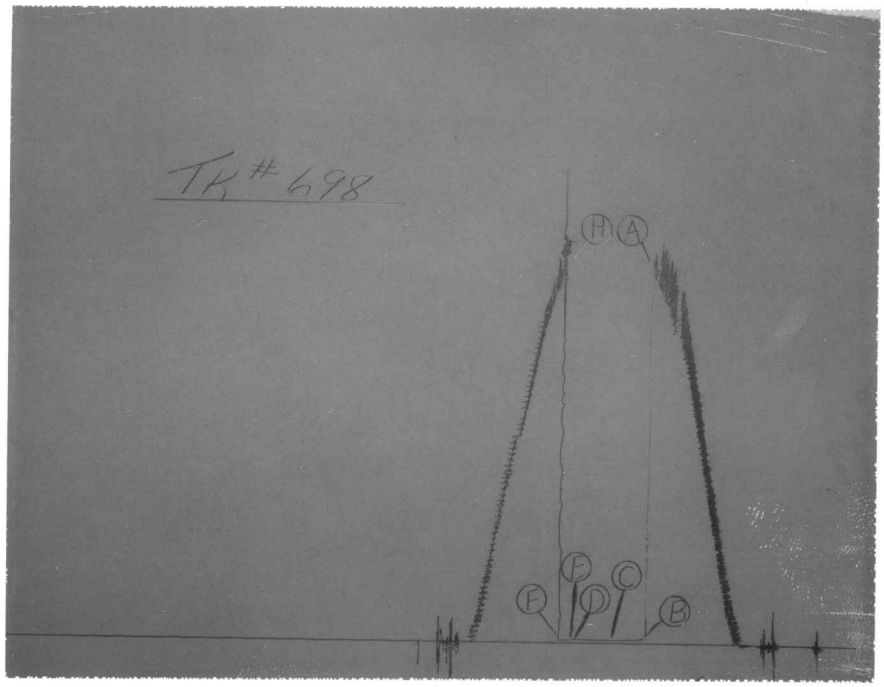
Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Extra Equipment None Price of Job $440.00

COMPANY PICKRELL DRLG. CO. LEASE AND WELL NO. SIDEBOTTOM # B-1 SEC. 33 TWP. 16S RGE. 24W TEST NO. 1 DATE 1-5-78



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2191		PSI
(B)	First Initial Flow Pressure	30		PSI
(C)	First Final Flow Pressure	30		PSI
(D)	Initial Closed-in Pressure	30		PSI
(E)	Second Initial Flow Pressure	30		PSI
(F)	Second Final Flow Pressure	30		PSI
(G)	Final Closed-in Pressure	-		PSI
(H)	Final Hydrostatic Mud	2182		PSI

CHENEY TESTING COMPANY

P. O. BOX 3 HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Pickrell Drlg. Co.	Test No.	2
Well Name & Number	Sidebottom # B-1	Zone Tested	Cherokee
Company Address	Wichita, Kan.	Date	1-6-78
Comp. Rep.	Dick Linehan	Tester	Kirk Cheney
Contractor	Company Tools	Elevation	2489 K.B.
Location: Sec. 33 Twp. 16S Rge. 24W Co. Ness	State Kan.	Est. Feet of Pay	

Recorder No. 7370 Type Kuster Range 4050 PSI

Recorder Depth 4467

(A) Initial Hydrostatic Mud 2231 PSI

(B) First Initial Flow Pressure 30 PSI

(C) First Final Flow Pressure 30 PSI

(D) Initial Closed-in Pressure 81 PSI

(E) Second Initial Flow Pressure 30 PSI

(F) Second Final Flow Pressure 30 PSI

(G) Final Closed-in Pressure - PSI

(H) Final Hydrostatic Mud 2221 PSI

Temperature 115°

Mud Weight 9.6 Viscosity 40

Fluid Loss 9.6 cc

Interval Tested 4404-4470

Anchor Length 66'

Top Packer Depth 4399

Bottom Packer Depth 4404

Total Depth 4470

Drill Pipe Size 4½ F.H.

Wt. Pipe I. D. 2.7 Ft. Run 610

Recovery—Total Feet 15

Recovered 15 Feet Of Mud w/spots of oil.

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Extra Equipment None

Recorder No. 7456 Type Kuster Range 4150 PSI

Recorder Depth 4464

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

Initial Shut-in 30 Mins.

Flow Period 10 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"

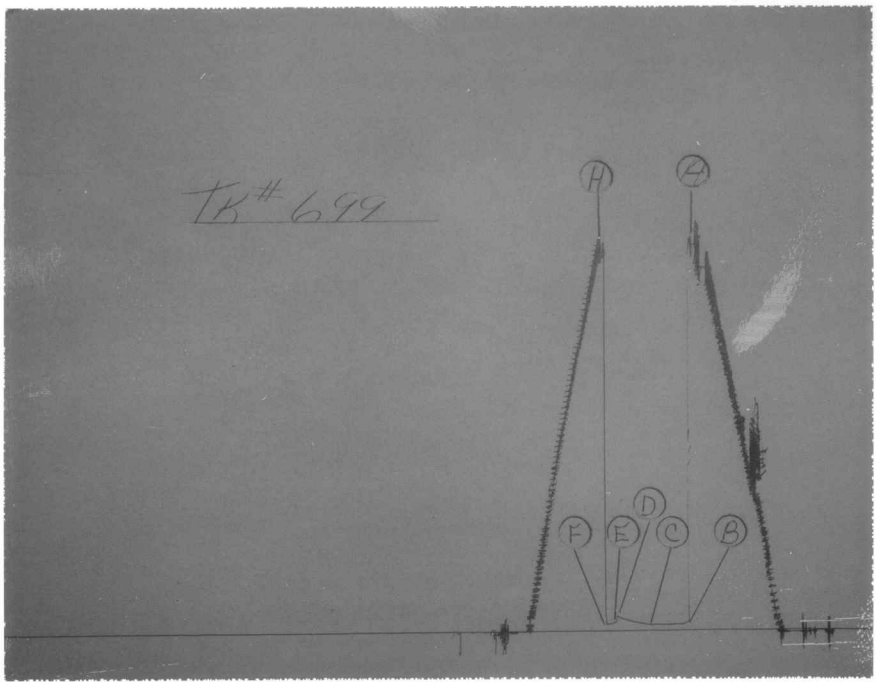
Tool Open @ 10:30 A.M.

Blow ~~Very weak for 30 minutes.~~

Remarks ~~Dead on second opening.~~

Drill Collar I. D. Ft. Run

Price of Job $440.00



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2231		PSI
(B)	First Initial Flow Pressure	30		PSI
(C)	First Final Flow Pressure	30		PSI
(D)	Initial Closed-in Pressure	81		PSI
(E)	Second Initial Flow Pressure	30		PSI
(F)	Second Final Flow Pressure	30		PSI
(G)	Final Closed-in Pressure	-		PSI
(H)	Final Hydrostatic Mud	2221		PSI

COMPANY FLORIDA EXPLO. CO. LEASE AND WELL NO. [illegible] SEC. [illegible] TWP. [illegible] RGE. [illegible] TEST NO. [illegible] DATE [illegible]

CHENEY TESTING COMPANY

P. O. BOX 3 HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Pickrell Drlg. Co.	Test No.	3
Well Name & Number	Sidebottom # B-1	Zone Tested	Mississippi
Company Address	Wichita, Kan.	Date	1-6-78
Comp. Rep.	Dick Linehan	Tester	Kirk Cheney
Contractor	Company Tools	Elevation	2489 K.B.
Location: Sec. 33 Twp. 16S Rge 24W Co. Ness State Kan.		Est. Feet of Pay	

Recorder No. 7370 Type Kuster Range 4050 PSI

Recorder Depth 4487

(A) Initial Hydrostatic Mud 2130 PSI

(B) First Initial Flow Pressure 20 PSI

(C) First Final Flow Pressure 30 PSI

(D) Initial Closed-in Pressure 1172 PSI

(E) Second Initial Flow Pressure 40 PSI

(F) Second Final Flow Pressure 91 PSI

(G) Final Closed-in Pressure 1070 PSI

(H) Final Hydrostatic Mud 2119 PSI

Temperature 116°

Mud Weight 9.6 Viscosity 43

Fluid Loss 8.0 cc

Interval Tested 4477-4490

Anchor Length 13'

Top Packer Depth 4472

Bottom Packer Depth 4477

Total Depth 4490

Drill Pipe Size 4½ F.H.

Wt. Pipe I. D. 2.7 Ft. Run 610

Recovery—Total Feet 268

Recovered 216 Feet Of Clean Oil 36 Gravity

Recovered 52 Feet Of OCM 60% Mud 40% Oil

Recovered Feet Of

Recovered Feet Of

Extra Equipment None

Recorder No. 7456 Type Kuster Range 4150 PSI

Recorder Depth 4484

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

Initial Shut-in 30 Mins.

Flow Period 90 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 @ 10:50 P.M.

Blow Medium 5" blow on first opening.

Remarks Strong 8" blow on second opening.

Drill Collar I. D. Ft. Run

Price of Job $440.00

RECEIVED

CHENEY TESTING COMPANY
Pressure Data

Date 1-6-78 Test Ticket No. 700

Recorder No. 7370 Capacity 4050 Location 4487 Ft.

Clock No. 6968 Elevation 2489 K.B Well Temperature 116 °F

Point		Pressure	
A	Initial Hydrostatic Mud	2135	P.S.I.
B	First Initial Flow Pressure	32	P.S.I.
C	First Final Flow Pressure	48	P.S.I.
D	Initial Closed-in Pressure	1173	P.S.I.
E	Second Initial Flow Pressure	57	P.S.I.
F	Second Final Flow Pressure	115	P.S.I.
G	Final Closed-in Pressure	1072	P.S.I.
H	Final Hydrostatic Mud	2115	P.S.I.

	Time Given	Time Computed
Open Tool	10:50 P. M	10:30 P.M.
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	30 Mins.	30 Mins.
Second Flow Pressure	90 Mins.	90 Mins.
Final Closed-in Pressure	60 Mins.	60 Mins.

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

Point Mins.	Press.
P 1 0	32
P 2 5	34
P 3 10	37
P 4 15	40
P 5 20	44
P 6 25	46
P 7 30	48
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 10 Inc. of 3 mins. and a final inc. of 0 Min.

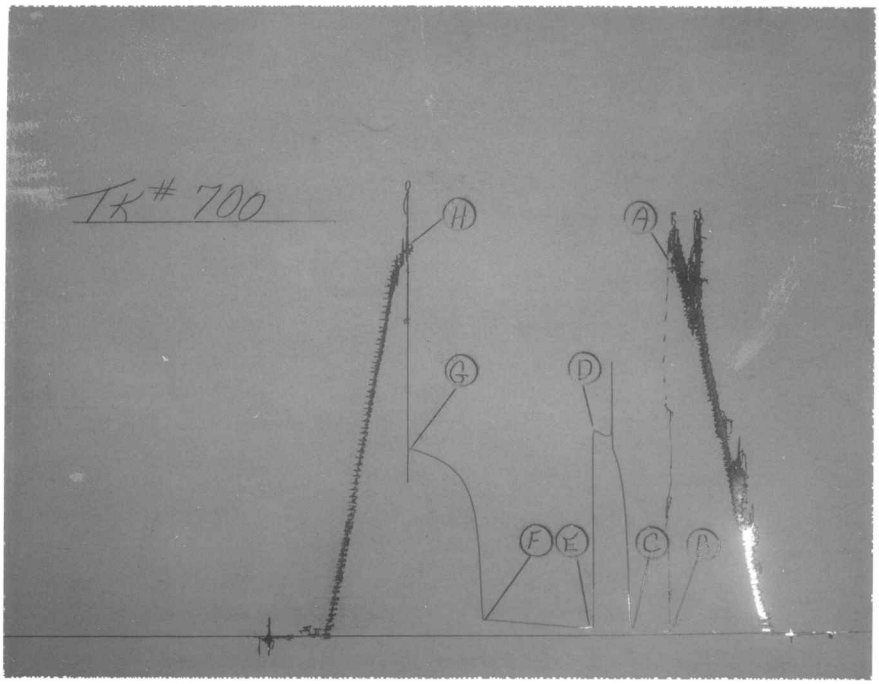
Point Minutes	Press.
0	48
3	677
6	879
9	997
12	1058
15	1091
18	1121
21	1236
24	1151
27	1163
30	1173

Second Flow Pressure
Breakdown: 18 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	57
5	61
10	65
15	68
20	73
25	76
30	79
35	82
40	85
45	88
50	92
55	95
60	97
65	102
70	105
75	108
80	110
85	112
90	115

Final Shut-In
Breakdown: 20 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	115
3	483
6	679
9	789
12	864
15	899
18	928
21	946
24	964
27	978
30	991
33	1004
36	1014
39	1024
41	1031
42	1039
45	1044
48	1051
51	1058
54	1062
57	1068
60	1072



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2130		PSI
(B)	First Initial Flow Pressure	20		PSI
(C)	First Final Flow Pressure	30		PSI
(D)	Initial Closed-in Pressure	1172		PSI
(E)	Second Initial Flow Pressure	40		PSI
(F)	Second Final Flow Pressure	91		PSI
(G)	Final Closed-in Pressure	1070		PSI
(H)	Final Hydrostatic Mud	2119		PSI

COMPANY [illegible] LEASE AND WELL NO. STUBBOTTOM #B-1 SEC. 33 TWP. 16S RGE. 24W TEST NO. 3 DATE 1-6-78