

15-101-21143

30-16s-28w

CHENEY TESTING COMPANY, INC.

P. O. Box 367

HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Oil Capital Corporation	Test No.	1
Well Name & Number	Tillotson A-1	Zone Tested	Lansing/Ks City "J"
Company Address	200 East 1st 5th Floor Wichita, Ks.	Date	3/25/85
Company Rep.	Bob Jenkins	Tester	Paul Simpson
Contractor	Abercrombie Drilling Company	Elevation	2779 GL
Location: Sec. 30 Twp. 16s Rge. 28w Co.Lane	State Ks.	Est. Feet of Pay	

Recorder No.13364 Type AK-1 Range 3825 PSIRecorder No.13223 Type AK-1 Range 4150 PSIRecorder Depth 4219 Clock # 25562Recorder Depth 4214 Clock # 25830(A) Initial Hydrostatic Mud 2209 PSITool Open Before I.S.I. 30 Mins.(B) First Initial Flow Pressure 77 PSIInitial Shut-in 45 Mins.(C) First Final Flow Pressure 86 PSIFlow Period 30 Mins.(D) Initial Shut-in Pressure 961 PSIFinal Shut-in 45 Mins.(E) Second Initial Flow Pressure 86 PSITop Choke Size 1" Hole Size 7 7/8"(F) Second Final Flow Pressure 86 PSIBottom Choke Size 3/4" Rubber Size 6 3/4"(G) Final Shut-in Pressure 384 PSITool Open @ 8:55(H) Final Hydrostatic Mud 2190 PSIBlow Remarks 1st open: Very weak surfaceTemperature 113blow, died in 12 minutes from opening.Mud Weight 9 Viscosity 482nd open: No blow, flushed tool, no blow.Fluid Loss 11.2Interval Tested 4177-4220Anchor Length 43Top Packer Depth 4172Bottom Packer Depth 4177Total Depth 4220Drill Pipe Size 4 1/2 XHWt. Pipe I. D. 2.7 Ft. Run. 641Recovery-Total Feet 5Recovered 5 Feet Of Slight oil specked mud.

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Extra Equipment _____ Price of Job \$675.00

CHENEY TESTING COMPANY, INC.

P. O. BOX 367

HILL CITY, KANSAS 67642

2002 - 1st
5th floor

Dist. Hays

TEST TICKET

Company <u>Oil Capital Corp</u>	Test No. <u>1</u>
Well Name & Number <u>Tillotson "A" 1</u>	Zone Tested <u>2 KC J</u>
Company Address <u>520 Farmers & Bankers Bld Wichita Ks 67202</u>	Date <u>3/25/85</u>
Company Rep. <u>Bob Jenkins</u>	Tester <u>Paul Simpson</u>
Contractor <u>Abercrombie Rig 1</u>	Elevation <u>2779 62</u>
Location: Sec. <u>30</u> Twp. <u>16</u> Rge. <u>28</u> Co. <u>Jene</u> State <u>Ks</u>	

Recorder No. 13364 Type At-1 Range 3825 PSI
 Recorder Depth 4214 Clock # 2562
 (A) Initial Hydrostatic Mud 2209 PSI
 (B) First Initial Flow Pressure 77 PSI
 (C) First Final Flow Pressure 86 PSI
 (D) Initial Shut-in Pressure 961 PSI
 (E) Second Initial Flow Pressure 86 PSI
 (F) Second Final Flow Pressure 86 PSI
 (G) Final Shut-in Pressure 384 PSI
 (H) Final Hydrostatic Mud 2190 PSI
 Temperature 113°
 Mud Weight 9 48 Viscosity
 Fluid Loss 11 3/4
 Interval Tested 4177-4220
 Anchor Length 43
 Top Packer Depth 4172
 Bottom Packer Depth 4177
 Total Depth 4220
 Drill Pipe Size 4 1/2 X 11
 Wt. Pipe I. D. 3.8 Ft. Run 641
 Recovery—Total Feet 5'
 Rec. 5' sl oil specked mud

Recorder No. 13223 Type At-1 Range 4150 PSI
 Recorder Depth 4214 Clock # 25830
 Tool Open Before I. S. I. 30 Mins.
 Initial Shut-in 45 Mins.
 Flow Period 30 Mins.
 Final Shut-in 45 Mins.
 T Choke Size 1" Hole Size 7/8"
 B Choke Size 3/4" Rubber Size 6 3/4"
 Tool Open @ 8:55
 Blow 1/2 week surface blow
 Remarks died 12 minutes from 1st opening

2nd opening no blow
flush tool
no blow

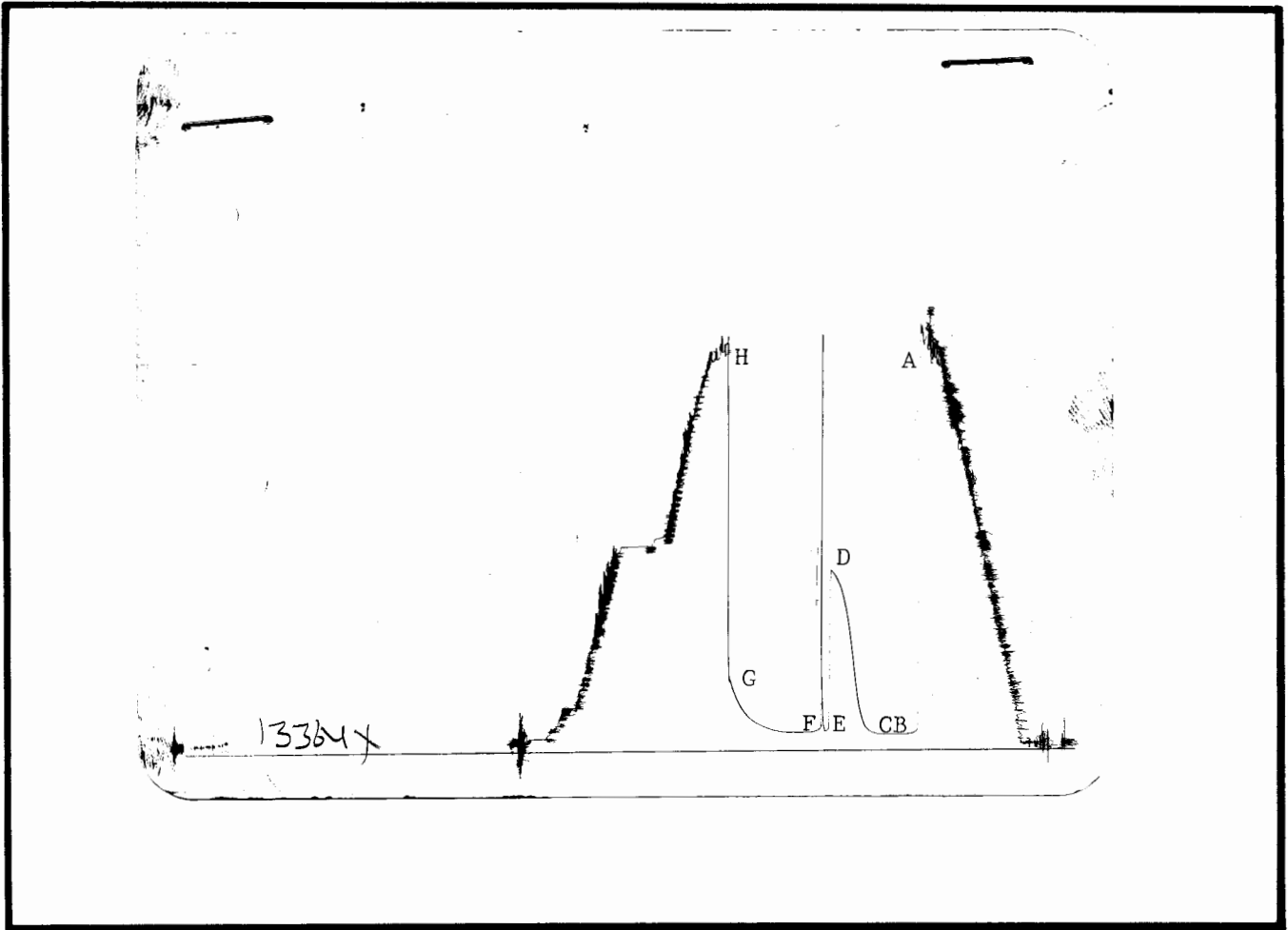
Rec. _____
 Rec. _____
 Rec. _____
 Rec. _____
 Rec. _____

Test \$ 675
 Straddle
 Bowen Jars
 Safety Joint
 Selective Zone Tool
 Sampler
 Extra Packer
 Circulating Sub
 Down Hole Insurance
 Others
 Price of Job \$ 675

CHENEY TESTING COMPANY, INC.

Approved By Bob Jenkins
 Our Representative Paul Simpson

TICKET NO 11445



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	2209	PSI
(B) First Initial Flow Pressure	77	PSI
(C) First Final Flow Pressure	86	PSI
(D) Initial Closed-in Pressure	961	PSI
(E) Second Initial Flow Pressure	86	PSI
(F) Second Final Flow Pressure	86	PSI
(G) Final Closed-in Pressure	384	PSI
(H) Final Hydrostatic Mud	2190	PSI

CHENEY TESTING COMPANY, INC.

P. O. Box 367

HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company Oil Capital Corporation	Test No. 2
Well Name & Number Tillotson A-1	Zone Tested Lansing/Ks. City "K"
Company Address 200 East 1st 5th Floor Wichita, Ks.	Date 3/26/85
Company Rep. Bob Jinkens	Tester Paul Simpson
Contractor Abercrombie Drilling Company	Elevation 2779 GL
Location: Sec. 30 Twp. 16s Rge 28w Co. Lane State Ks.	Est. Feet of Pay

Recorder No. 13364 Type AK-1 Range 3825 PSI

Recorder No. 13223 Type AK-1 Range 4150 PSI

Recorder Depth 4259 Clock # 25562

Recorder Depth 4254 Clock # 25830

(A) Initial Hydrostatic Mud 2258 PSI

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

(B) First Initial Flow Pressure 67 PSI

Initial Shut-in 45 Mins.

(C) First Final Flow Pressure 76 PSI

Flow Period 30 Mins.

(D) Initial Shut-in Pressure 125 PSI

Final Shut-in 45 Mins.

(E) Second Initial Flow Pressure 76 PSI

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

(F) Second Final Flow Pressure 76 PSI

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

(G) Final Shut-in Pressure 86 PSI

Tool Open @ 8:15 PM

(H) Final Hydrostatic Mud 2238 PSI

Blow Remarks 1st open: VErY weak surface

Temperature 113

blow, died in 3 minutes.

Mud Weight 9.5 Viscosity 50

2nd open: no blow, flushed tool, no blow.

Fluid Loss 10.4

Interval Tested 4222-4260

Anchor Length 38

Top Packer Depth 4217

Bottom Packer Depth 4222

Total Depth 4260

Drill Pipe Size 4 1/2 XH

Wt. Pipe I. D. 2.7 Ft. Run 641

Recovery-Total Feet 3

Recovered 3 Feet Of Mud.

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Extra Equipment _____ Price of Job \$675.00

Dist. Hays

TEST TICKET

Company <u>Oil Capital Corp</u>	Test No. <u>2</u>
Well Name & Number <u>Tillotson "A" 1</u>	Zone Tested <u>LKC K</u>
Company Address <u>520 Farmer & Banker Bld Wichita KS 67207</u>	Date <u>3/26/85</u>
Company Rep. <u>Bob Jenkins</u>	Tester <u>Paul Simpson</u>
Contractor <u>Abercrombie Rig 1</u>	Elevation <u>2779 GL</u>
Location: Sec. <u>30</u> Twp. <u>16</u> Rge. <u>28</u> Co. <u>Lawe</u> State <u>Ks</u>	

Recorder No. 13364 Type AK-1 Range 3825 PSI
 Recorder Depth 4259 Clock # 25562
 (A) Initial Hydrostatic Mud 2258 PSI
 (B) First Initial Flow Pressure 67 PSI
 (C) First Final Flow Pressure 76 PSI
 (D) Initial Shut-in Pressure 125 PSI
 (E) Second Initial Flow Pressure 76 PSI
 (F) Second Final Flow Pressure 76 PSI
 (G) Final Shut-in Pressure 86 PSI
 (H) Final Hydrostatic Mud 2238 PSI
 Temperature 113 F°
 Mud Weight 92 50 Viscosity
 Fluid Loss 104
 Interval Tested 4222-4260
 Anchor Length 38
 Top Packer Depth 4217
 Bottom Packer Depth 4222
 Total Depth 4260
 Drill Pipe Size 4 1/2 X H
 Wt. Pipe I. D. 3.8 Ft. Run 641
 Recovery—Total Feet 3'
 Rec. 3' mud

Recorder No. 13223 Type AK-1 Range 4150 PSI
 Recorder Depth 4254 Clock # 25830
 Tool Open Before I. S. I. 30 Mins.
 Initial Shut-in 45 Mins.
 Flow Period 30 Mins.
 Final Shut-in 45 Mins.
 T Choke Size 1" Hole Size 2 3/8"
 B Choke Size 3/4" Rubber Size 6 3/4"
 Tool Open @ 8:15 PM
 Blow U/weak surface blow
 Remarks died 3 minutes
from 1st opening

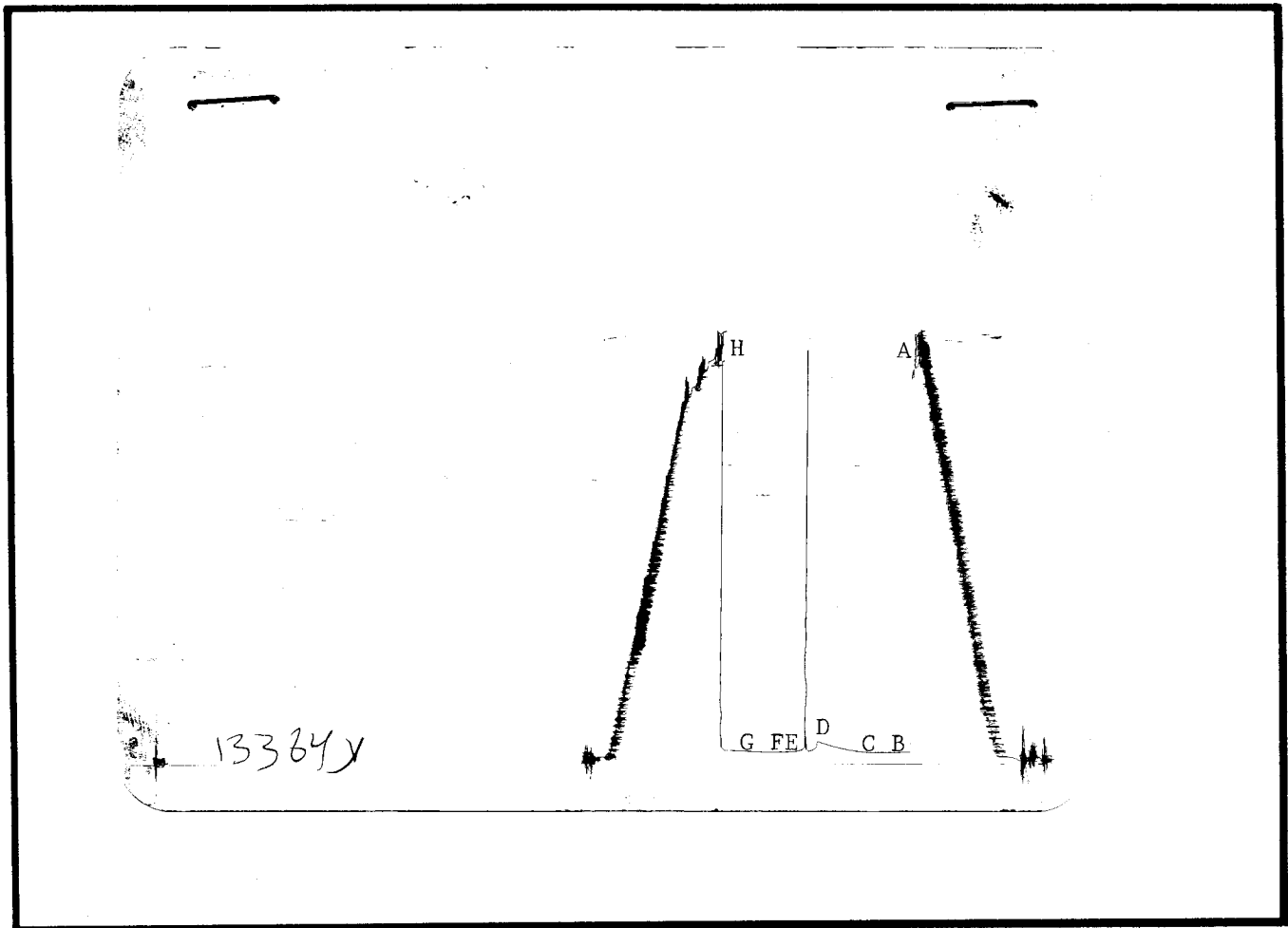
2nd opening no blow
flush tool
no blow

Rec. _____
 Rec. _____
 Rec. _____
 Rec. _____
 Rec. _____

Test \$ 675
 Straddle
 Bowen Jars
 Safety Joint
 Selective Zone Tool
 Sampler
 Extra Packer
 Circulating Sub
 Down Hole Insurance
 Others
 Price of Job \$ 675

CHENEY TESTING COMPANY, INC.
 Approved By Bob Jenkins
 Our Representative Paul Simpson

TICKET No 11446



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	2258	PSI
(B) First Initial Flow Pressure	67	PSI
(C) First Final Flow Pressure	76	PSI
(D) Initial Closed-in Pressure	125	PSI
(E) Second Initial Flow Pressure	76	PSI
(F) Second Final Flow Pressure	76	PSI
(G) Final Closed-in Pressure	86	PSI
(H) Final Hydrostatic Mud	2238	PSI

CHENEY TESTING COMPANY, INC.

P. O. Box 367

HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company <u>Oil Capital Corporation</u>	Test No. <u>3</u>
Well Name & Number <u>Tillotson A-1</u>	Zone Tested <u>Marmaton</u>
Company Address <u>200 E. 1st 5th Floor Wichita, Ks.</u>	Date <u>3/27/85</u>
Company Rep. <u>Bob Jinkens</u>	Tester <u>Paul Simpson</u>
Contractor <u>Abercrombie Drilling Company</u>	Elevation <u>2779 GL</u>
Location: Sec. <u>30</u> Twp. <u>16s</u> Rge. <u>28w</u> Co. <u>Lane</u> State <u>Ks.</u>	Est. Feet of Pay _____

Recorder No. 13364 Type AK-1 Range 3825 PSI

Recorder No. 13223 Type AK-1 Range 4150 PSI

Recorder Depth 4339 Clock # 25562

Recorder Depth 4334 Clock # 25830

(A) Initial Hydrostatic Mud 2325 PSI

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

(B) First Initial Flow Pressure 106 PSI

Initial Shut-in 45 Mins.

(C) First Final Flow Pressure 183 PSI

Flow Period 60 Mins.

(D) Initial Shut-in Pressure 336 PSI

Final Shut-in 60 Mins.

(E) Second Initial Flow Pressure 279 PSI

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

(F) Second Final Flow Pressure 336 PSI

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

(G) Final Shut-in Pressure 673 PSI

Tool Open @ 2:39 PM

(H) Final Hydrostatic Mud 2181 PSI

Blow Remarks 1st open: 1 inch blow, building to bottom of bucket in 9 minutes.

Temperature 115

2nd open: 1 inch blow, building to bottom of bucket in 50 minutes.

Mud Weight 9.3 Viscosity 49

Fluid Loss 10.2

Interval Tested 4301-4340

Anchor Length 39

Well Chlorides: 8,000 ppm.

Top Packer Depth 4296

Recovery Chlorides: 70,000 ppm.

Bottom Packer Depth 4301

Resistivity .12 ohms @ 71.1°F.

Total Depth 4340

Drill Pipe Size 4 1/2 XH

Wt. Pipe I. D. 2.7 Ft. Run 641

Recovery-Total Feet 640

Recovered 70 Feet Of Gas in pipe.

Recovered 120 Feet Of Mud cut oil: 60% oil, & 40% mud.

Recovered 240 Feet Of Oil cut watery mud: 15% oil 65% water & 20% mud.

Recovered 128 Feet Of Gassy oil specked water.

Recovered 152 Feet Of Oil water: 50% oil & 50% water.

Recovered _____ Feet Of _____

Extra Equipment _____ Price of Job \$675.00

CHENEY TESTING COMPANY, INC.

P. O. BOX 367

HILL CITY, KANSAS 67642

Dist. Hays

TEST TICKET

Company <u>Oil Capital Corp.</u>	Test No. <u>3</u>
Well Name & Number <u>Tillotson - A 1</u>	Zone Tested <u>Maryland</u>
Company Address <u>520 Farmers & Bankers Bld Wichita, KS 67202</u>	Date <u>3/27/85</u>
Company Rep. <u>Bob Jenkins</u>	Tester <u>Paul Simpson</u>
Contractor <u>Abercrombie Rig 1</u>	Elevation <u>2779 62</u>
Location: Sec. <u>30</u> Twp. <u>16</u> Rge. <u>28</u> Co. <u>Lawrence</u> State <u>Ks</u>	

Recorder No. 13364 Type AK-1 Range 3825 PSI
 Recorder Depth 4339 Clock # 25562
 (A) Initial Hydrostatic Mud 2325 PSI
 (B) First Initial Flow Pressure 106 PSI
 (C) First Final Flow Pressure 183 PSI
 (D) Initial Shut-in Pressure 336 PSI
 (E) Second Initial Flow Pressure 279 PSI
 (F) Second Final Flow Pressure 336 PSI
 (G) Final Shut-in Pressure 673 PSI
 (H) Final Hydrostatic Mud 2181 PSI
 Temperature 115°
 Mud Weight 93 49 Viscosity
 Fluid Loss 103
 Interval Tested 4301-4340
 Anchor Length 39
 Top Packer Depth 4296
 Bottom Packer Depth 4301
 Total Depth 4340
 Drill Pipe Size 4 1/2" X H
 Wt. Pipe I. D. 3.8 Ft. Run 641
 Recovery—Total Feet ~~440~~ 440
 Rec. 79' GEP
 Rec. 120' MCO 60% oil 40% mud
 Rec. 240' OCWM 15% oil 65% H₂O 20% mud
 Rec. 128' (rsy Oil specked H₂O
 Rec. 152' Oily water 50% oil 50% H₂O
 Rec. _____

Recorder No. 13223 Type AK-1 Range 4150 PSI
 Recorder Depth 4334 Clock # 25830
 Tool Open Before I. S. I. 30 Mins.
 Initial Shut-in 45 Mins.
 Flow Period 60 Mins.
 Final Shut-in 60 Mins.
 T Choke Size 1" Hole Size 2 7/8"
 B Choke Size 3/4" Rubber Size 6 3/4"
 Tool Open @ 2:39 PM
 Blow 1" blow building to
 Remarks bottom of bucket in
9 minutes

2nd opening 1" blow building
to bottom of bucket in
50 minutes

RW .12 @ 71.1 F

C) 8000 ppm system
C) 70,000 ppm recovery
 Test \$ 675
 Straddle
 Bowen Jars
 Safety Joint
 Selective Zone Tool
 Sampler
 Extra Packer
 Circulating Sub
 Down Hole Insurance
 Others
 Price of Job \$ 675

CHENEY TESTING COMPANY, INC.

Approved By Bob Jenkins
 Our Representative Paul Simpson

TICKET NO 11447

INITIAL SHUT-IN

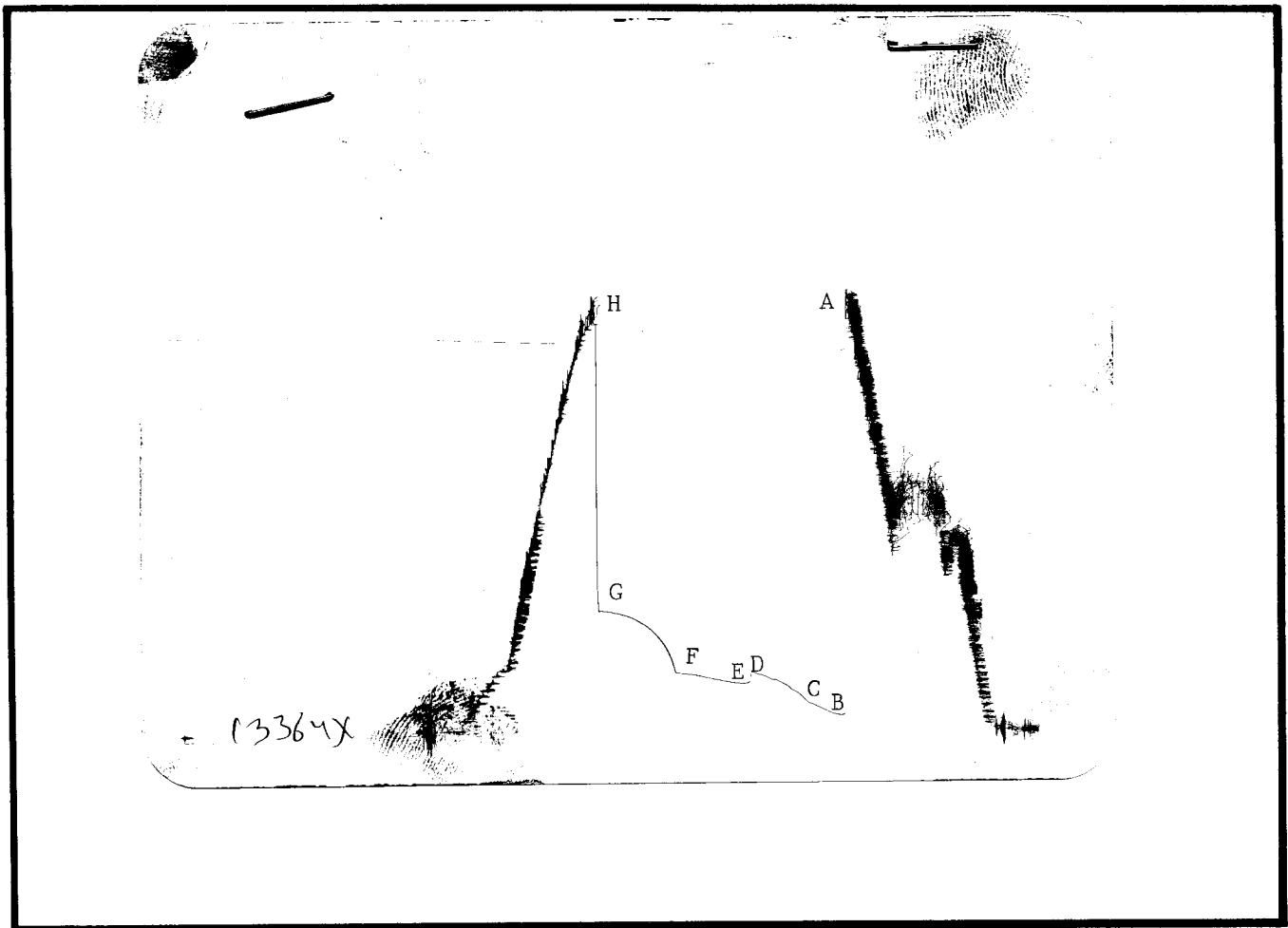
=====
RECORDER NO: 13364 DEPTH: 4340 FT.
INITIAL FLOW TIME (T): 30 MIN.

DT(MIN)	LOG((T+DT)/DT)	PRESSURE(P SIG)
0	0.000	176.7
5	0.845	212.3
10	0.602	238.2
15	0.477	258.4
20	0.398	281.4
25	0.342	297.7
30	0.301	306.4
35	0.269	320.8
40	0.243	330.4
45	0.222	340.0

FINAL SHUT-IN

=====
RECORDER NO: 13364 DEPTH: 4340 FT.
TOTAL FLOW TIME: 90 MIN.

DT(MIN)	LOG((T+DT)/DT)	PRESSURE(P SIG)
0	0.000	305.4
5	1.279	408.2
10	1.000	463.9
15	0.845	506.1
20	0.740	537.8
25	0.663	562.8
30	0.602	583.9
35	0.553	600.3
40	0.512	611.8
45	0.477	621.4
50	0.447	627.2
55	0.421	632.0
60	0.398	634.8



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2325	2320	PSI
(B) First Initial Flow Pressure	106	107.6	PSI
(C) First Final Flow Pressure	183	176.7	PSI
(D) Initial Closed-in Pressure	336	340.0	PSI
(E) Second Initial Flow Pressure	279	248.8	PSI
(F) Second Final Flow Pressure	336	305.4	PSI
(G) Final Closed-in Pressure	673	634.8	PSI
(H) Final Hydrostatic Mud	2181	2176	PSI

CHENEY TESTING CO, INC.
CALCULATION OF FORMATION CHARACTERISTICS
FROM DST DATA

FOR: OIL CAPITOL CORPORATION
TILLOTSON A-1 DST # 3
SEC 30-16S-28W FORMATION: MARMATON
LANE COUNTY KANSAS ELEVATION: 2779 KB

TEST PARAMETERS

TEST INTERVAL: 4301 - 4340	EST PAY: 7
TIME INTERVAL: 30 - 45 - 60 - 60	VISCOSITY OF FLUID: 3.5
INITIAL FLOW PRESS: 107.6- 176.7	HOLE SIZE: 7.875
FINAL FLOW PRESS: 248.8- 305.4	D.C. CAPACITY:0.00708
SHUT-IN PRESS(I-F): 340.0- 634.8	W.P. CAPACITY:0.00000
BOTTOM HOLE TEMPERATURE: 115	D.P. CAPACITY:0.01402
TOTAL FEET OF RECOVERY: 640	TOTAL BARRELS RECOVERY: 4.5300

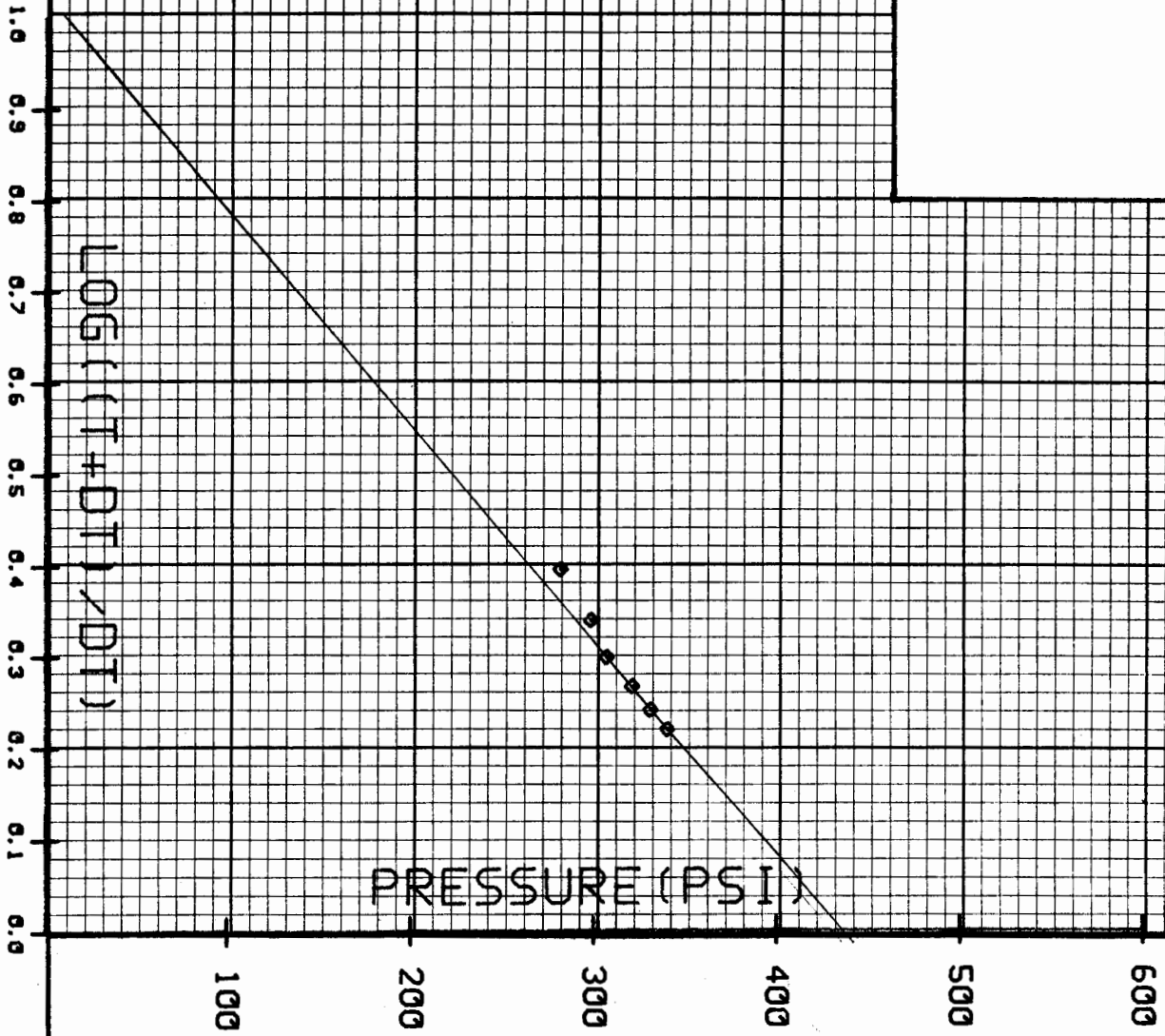
EXTRAPOLATED INITIAL SHUT-IN PRESSURE (PSI): 434
SLOPE (PSI-CYCLE): 426 POINTS USED: 4

EXTRAPOLATED FINAL SHUT-IN PRESSURE (PSI): 705
SLOPE (PSI-CYCLE): 175 POINTS USED: 4

CALCULATIONS

AVERAGE PRODUCTION RATE (B/D)	: 72.48
TRANSMISSIBILITY (MD-FT/CP)	: 67.34
PERMEABILITY (MD)	: 33.67
PRODUCTIVITY INDEX (B/D/PSI)	: 0.0761
DAMAGE RATIO	: 0.372
APPROXIMATE RADIUS OF INVESTIGATION (FT)	: 55.0
DRAWDOWN FACTOR (%)	: 62.442
POTENTIOMETRIC SURFACE (FT)	: 73.90

HORNER PLOT
 OIL CAPITAL CORPORATION
 TILLOTSON A-1
 DST # 3 DEPTH: 4340
 RECORDER NO. 13364
 INITIAL SHUT-IN: \diamond
 FINAL SHUT-IN: \square



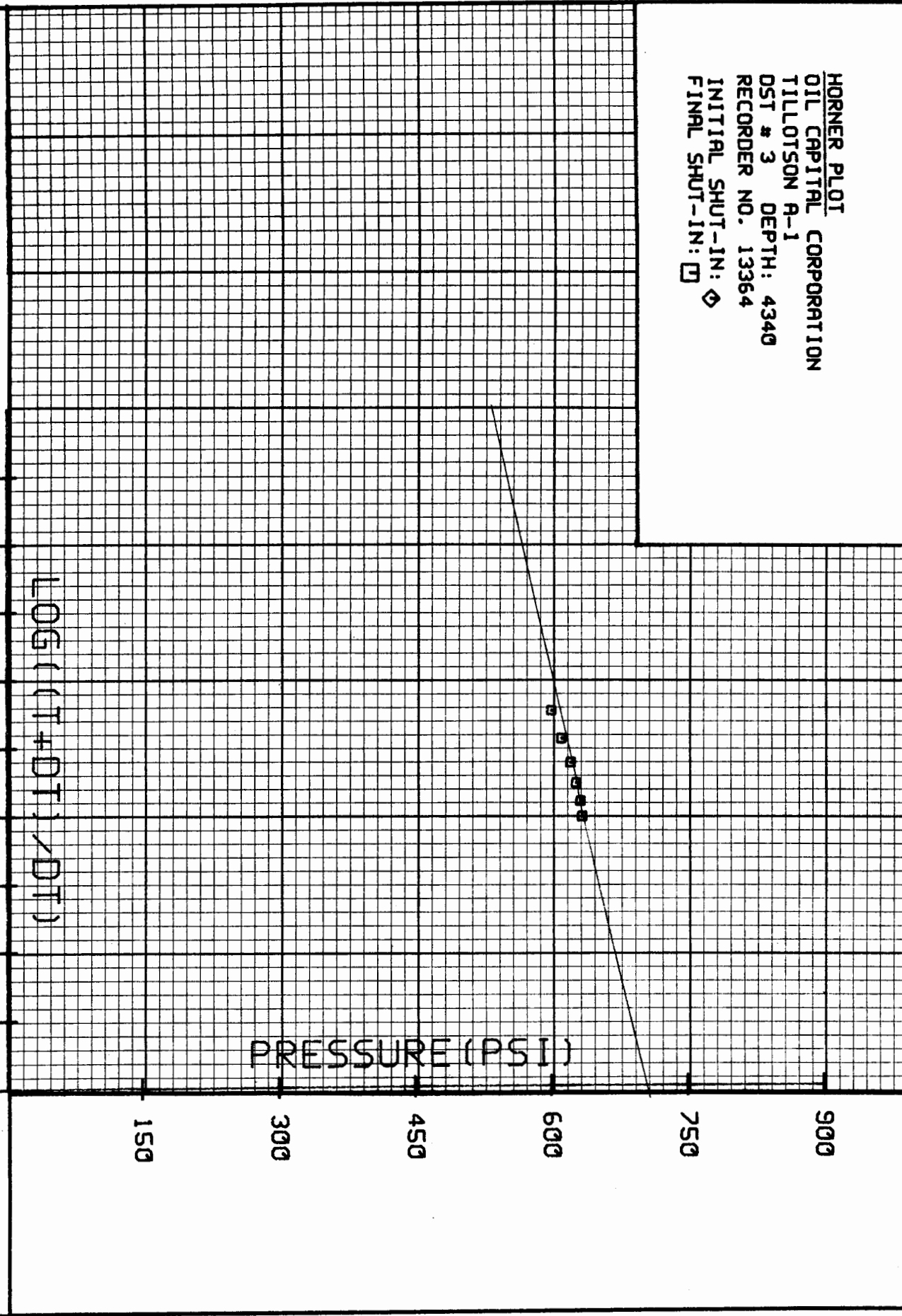
HORNER PLOT
 OIL CAPITAL CORPORATION
 TILLOTSON A-1
 DST # 3 DEPTH: 4340
 RECORDER NO. 13364
 INITIAL SHUT-IN: \diamond
 FINAL SHUT-IN: \square

1.0 0.9 0.8 0.7 0.6 0.5 0.4 0.3 0.2 0.1 0.0

LOG ((T+DT)/DT)

PRESSURE (PSI)

150 300 450 600 750 900



CHENEY TESTING COMPANY, INC.

P. O. Box 367

HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Oil Capital Corporation	Test No.	4
Well Name & Number	Tillotson A-1	Zone Tested	Cherokee
Company Address	200 E. 1st 5th Floor Wichita, Ks.	Date	3/28/85
Company Rep.	Bob Jinkens	Tester	Paul Simpson
Contractor	Abercrombie Drilling Company	Elevation	2779 GL
Location: Sec. 30 Twp. 16s Rge. 28w Co. Lane	State Ks.	Est. Feet of Pay	

Recorder No. 13364 Type AK-1 Range 3825 PSI
 Recorder Depth 4569 Clock # 25562
 (A) Initial Hydrostatic Mud 1411 PSI
 (B) First Initial Flow Pressure 96 PSI
 (C) First Final Flow Pressure 106 PSI
 (D) Initial Shut-in Pressure 576 PSI
 (E) Second Initial Flow Pressure 106 PSI
 (F) Second Final Flow Pressure 106 PSI
 (G) Final Shut-in Pressure 461 PSI
 (H) Final Hydrostatic Mud 2354 PSI
 Temperature 116
 Mud Weight 9.4 Viscosity 45
 Fluid Loss 10.4
 Interval Tested 4516-4570
 Anchor Length 54
 Top Packer Depth 4511
 Bottom Packer Depth 4516
 Total Depth 4570
 Drill Pipe Size 4½ XH
 Wt. Pipe I. D. 3.8 Ft. Run 641
 Recovery-Total Feet 65
 Recovered 65 Feet Of Oil specked muddy water.
 Recovered _____ Feet Of _____
 Recovered _____ Feet Of _____
 Recovered _____ Feet Of _____
 Recovered _____ Feet Of _____
 Recovered _____ Feet Of _____
 Recovered _____ Feet Of _____
 Extra Equipment _____ Price of Job _____

Recorder No. 13223 Type AK-1 Range 4150 PSI
 Recorder Depth 4564 Clock # 25830
 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 @ 1:55 AM
 Blow Remarks 1st open: Weak blow, ½ inch
building to 1½ inches at end of opening.
2nd open; No blow, flushed tool, no
blow.
 Well Chlorides: 8,000 ppm.
 Recovery Chlorides: 14,000 ppm.
 Resistivity .55 ohms @ 66°F.
 Price of Job \$675.00

CHENEY TESTING COMPANY, INC.

P. O. BOX 367

HILL CITY, KANSAS 67642

Dist. Hays

TEST TICKET

Company <u>Oil Capital Corp</u>	Test No. <u>4</u>
Well Name & Number <u>Tillotson 'A' 1</u>	Zone Tested <u>Cherokee</u>
Company Address <u>520 Farmer & Bender Old Michlin 67202</u>	Date <u>3/28/85</u>
Company Rep. <u>Bob Jinkens</u>	Tester <u>Paul Simpson</u>
Contractor <u>Abercrombie Rig 1</u>	Elevation <u>2779 GL</u>
Location: Sec. <u>30</u> Twp. <u>16</u> Rge. <u>28</u> Co. <u>Lawe</u> State <u>Ks</u>	

Recorder No. 13364 Type AK-1 Range 3825 PSI
 Recorder Depth 4569 Clock # 25562
 (A) Initial Hydrostatic Mud 2411 PSI
 (B) First Initial Flow Pressure 96 PSI
 (C) First Final Flow Pressure 106 PSI
 (D) Initial Shut-in Pressure 576 PSI
 (E) Second Initial Flow Pressure 106 PSI
 (F) Second Final Flow Pressure 106 PSI
 (G) Final Shut-in Pressure 461 PSI
 (H) Final Hydrostatic Mud 2354 PSI
 Temperature 116° F
 Mud Weight 94 45 Viscosity
 Fluid Loss 104
 Interval Tested 4516 - 4570
 Anchor Length 54
 Top Packer Depth 4511
 Bottom Packer Depth 4516
 Total Depth 4570
 Drill Pipe Size 4 1/2" XH
 Wt. Pipe I. D. 3.8 Ft., Run 641
 Recovery—Total Feet 65
 Rec. 65 Oil Spectered muddy H₂O

Rec. _____
 Rec. _____
 Rec. _____
 Rec. _____
 Rec. _____

Recorder No. 13223 Type AK-1 Range 4150 PSI
 Recorder Depth 4564 Clock # 25830
 Tool Open Before I. S. I. 30 Mins.
 Initial Shut-in 45 Mins.
 Flow Period 30 Mins.
 Final Shut-in 45 Mins.
 T Choke Size 1" Hole Size 2 7/8"
 B Choke Size 3/4" Rubber Size 6 3/4"
 Tool Open @ 1:55 A.M.
 Blow weak blow 1/2" building
 Remarks to 1/2 at end of 1st
opening

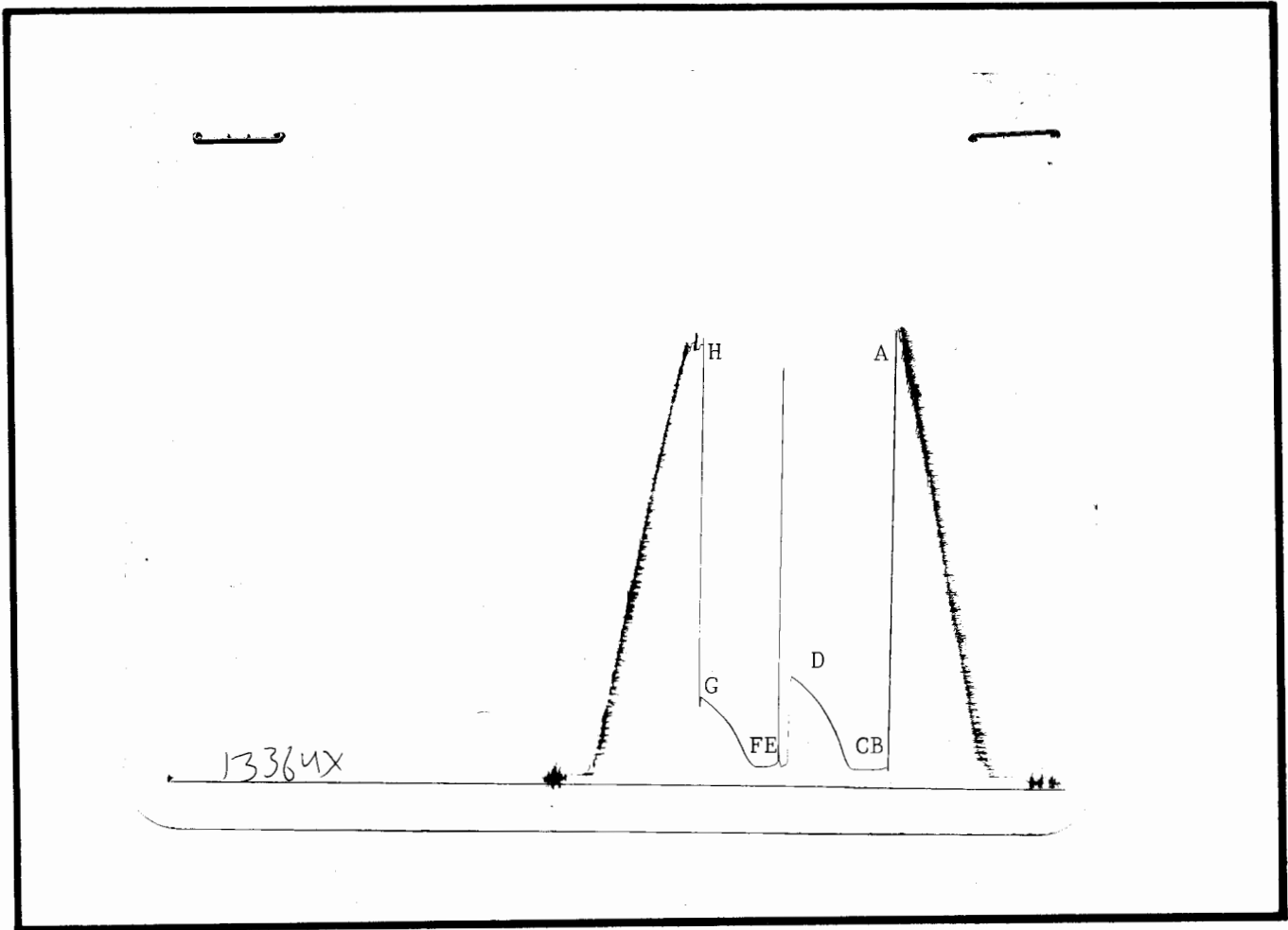
2nd opening No blow
Flush tool
no blow
Rw .55 @ 66° F

c/ 8,000 ppm system
c/ 14,000 ppm recovery
 Test \$ 675
 Straddle
 Bowen Jars
 Safety Joint
 Selective Zone Tool
 Sampler
 Extra Packer
 Circulating Sub
 Down Hole Insurance
 Others
 Price of Job \$ 675

CHENEY TESTING COMPANY, INC.

Approved By Paul Simpson
 Our Representative Paul Simpson

TICKET No 11448



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	2411	PSI
(B) First Initial Flow Pressure	96	PSI
(C) First Final Flow Pressure	106	PSI
(D) Initial Closed-in Pressure	576	PSI
(E) Second Initial Flow Pressure	106	PSI
(F) Second Final Flow Pressure	106	PSI
(G) Final Closed-in Pressure	461	PSI
(H) Final Hydrostatic Mud	2354	PSI