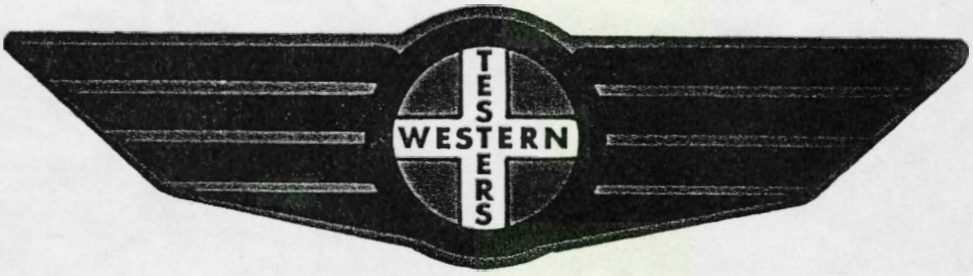
FORMATION TEST REPORT

Elmore #1
Test #1



HOME OFFICE
P. O. BOX 793

GREAT BEND, KANSAS
GLadstone 3-7903

Company Walters Drilling Co. Lease and Well No. Elmore #1 Sec. 17 Twp. 17 Rge. 24 Test No. 1 Date 12-2'

WESTERN TESTING CO., INC.
Pressure Data

12-27-62 — Test Ticket No. 2067

Recorder No. 1564 — Capacity 3150# — Location 4276 Ft.

Clock No. 6899 — Elevation 2424' D.F. — Well Temperature 119 °F

Point	Pressure		Time Given		Time Computed	
Initial Hydrostatic Mud	2346	P.S.I.	Opened Tool	4:50 A M	4:50 AM	
First Initial Flow Pressure	27	P.S.I.	First Flow Pressure	5 Mins.	5	Mins.
First Final Flow Pressure	27	P.S.I.	Initial Closed-in Pressure	30 Mins.	30	Mins.
Initial Closed-in Pressure	34	P.S.I.	Second Flow Pressure	30 Mins.	35	Mins.
Second Initial Flow Pressure	32	P.S.I.	Final Closed-in Pressure	30 Mins.	30	Mins.
Second Final Flow Pressure	36	P.S.I.				
Final Closed-in Pressure	41	P.S.I.				
Final Hydrostatic Mud	2333	P.S.I.				

PRESSURE BREAKDOWN

First Flow Press.
Breakdown: 1 Inc.
of 5 mins. and a
final inc. of – Min.

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

Second Flow Pressure
Breakdown: 7 Inc.
of 5 mins. and a
final inc. of – Min.

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

nt s.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
0	27	0	27	0	32	0	36
5	27	3	27	5	32	3	36
		6	27	10	32	6	37
		9	28	15	32	9	37
		12	28	20	36	12	38
		15	29	25	36	15	38
		18	30	30	36	18	39
		21	31	35	36	21	40
		24	32			24	40
		27	33			27	41
		30	34			30	41

WESTERN TESTERS

Home Office: Great Bend, Kansas

P. O. Box 793 GLadstone 3-7903

Elev. 2424' D.F.

Company Walters Drilling Company Lease & Well No. Elmore #1 Tkt. #2067

Date 12-27-62 Sec. 17 Twp 17 Range 24 County Ness State Kansas

Test Approved by Don W. Beauchamp Western Representative W. M. Nething

Formation Test No. 1 O.K. X Misrun — Interval Tested From 4266' to 4294' Total Depth 4294'

Size Main Hole 7 7/8" Rat Hole 6 1/8" Conv. X B.T. Damaged Yes X No Conv B.T. X Damaged Yes X No.

Packer Depth 4266 Ft. Size 6 3/4" Packer Depth 4261 Ft. Size 6 3/4"

Straddle Yes X No Conv B.T. Damaged Yes No

Packer Depth Ft. Size

Tool Size 5½" O.D. Tool Jt. Size 4½" FH. Anchor Length 28 Ft. Size 13' 4½" O.D.-15' 5½" O.D.

RECORDERS Depth 4276 Ft. Clock No. 6899 Depth 4278 Ft. Clock No. 22

Top Make Amerada Cap. 3150# No. 1564 Inside ~~Outside~~ Bottom Make Western Cap. 4000# No. 17 ~~Inside~~ Outside

Below Straddle: Depth Clock No. Inside Outside Depth Ft. Clock No. Inside Outside

Top Make Cap No. Inside Outside Bottom Make Cap. No. Inside Outside

Time Set Packer 4:47 A M

Tool Open I.F.P. From 4:50A M. to 4:55A M — Hr 5 Min. From (B) 27 P.S.I. To (C) 27 P.S.I.

Tool Closed I.C.I.P. From 4:55A M. to 5:25A M. — Hr 30 Min. (D) 34 P.S.I.

Tool Open F.F.P. From 5:25A M. to 5:55A M. — Hr 30 Min From (E) 32 P.S.I. To (F) 36 P.S.I.

Tool Closed F.C.I.P. From 5:55A M. to 6:25A M. — Hr 30 Min. (G) 41 P.S.I.

Initial Hydrostatic Pressure (A) 2346 P.S.I. Final Hydrostatic Pressure (H) 2333 P.S.I.

SURFACE INFORMATION Size Choke 1/2 In. Max. Press. P.S.I. Time Description of Flow

M.

M.

M.

FLOW Weak blow 5 mins. - flushed tool after 15 mins. Bottom Choke Size 3/4 in.

Did Well Flow Yes X No. Recovery Total Ft. 20 Oil Gas Water

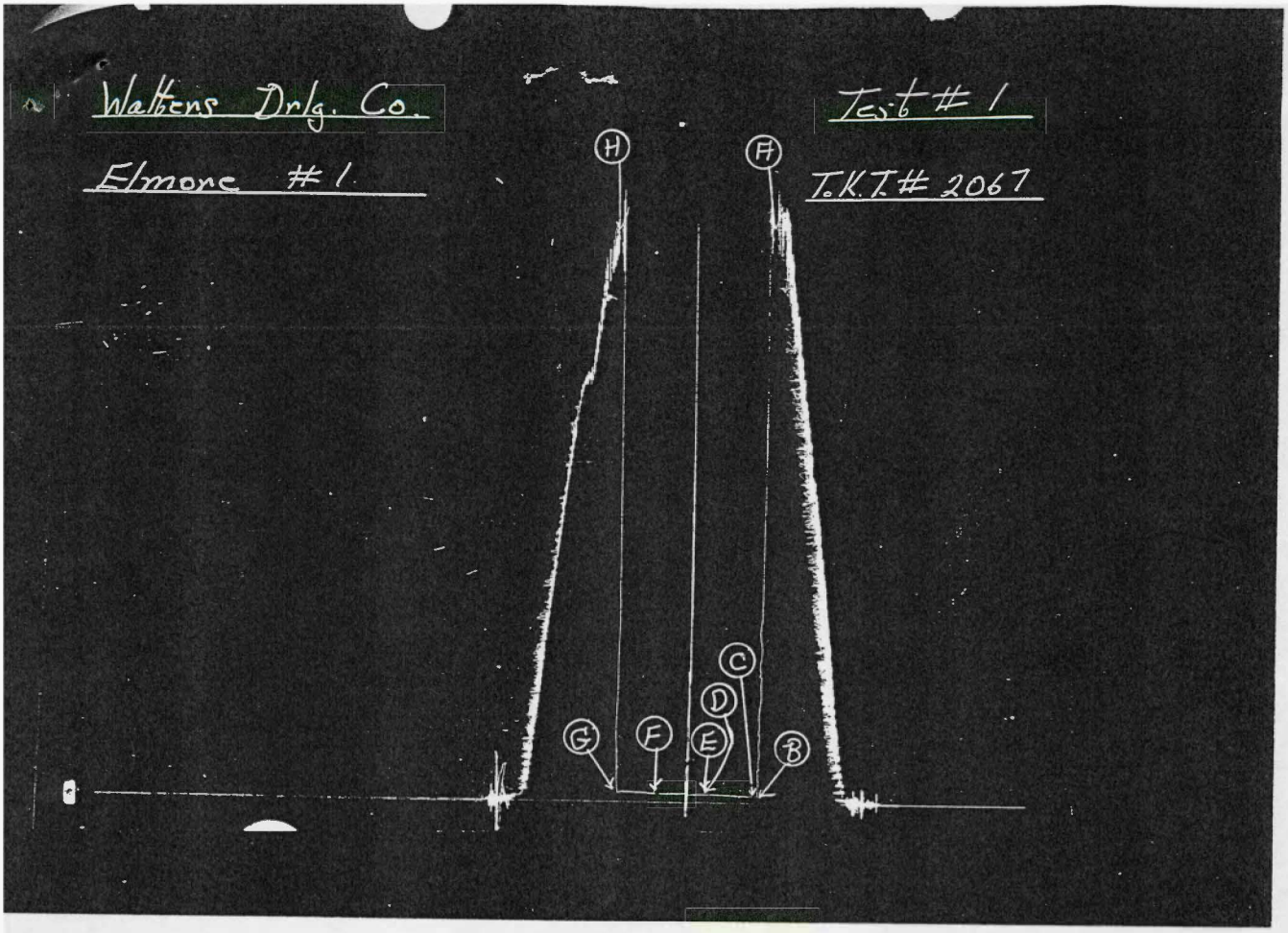
20' Mud with few specks oil Mud

Reversed Out Yes X No Mud Type Starch Viscosity 42 Weight 10.1 Maximum Temp. 119 °F

EXTRA EQUIPMENT: Dual Packers Dual Safety Joint No Jars: Size No Make Ser. No

Type Circ. Sub. Plug Did Tool Plug? No Where? Did Packer Hold? Yes

Remarks



Waltons Drilling Co. Elmore #1 17 17 21 1 12

FORMATION TEST REPORT

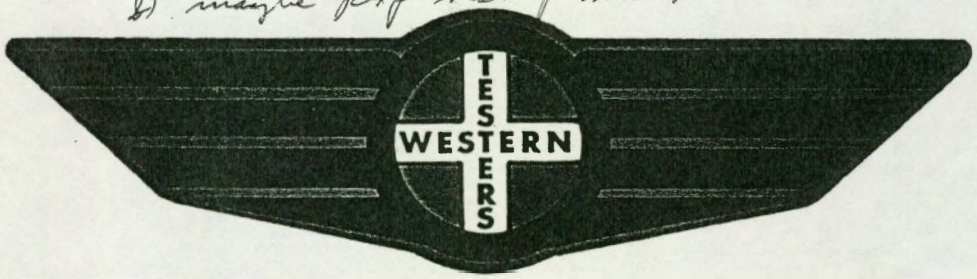
Elmore #1
Test No. 2

check for barrier f SIP curve
return to Elmore well file

Feb 1, 1973

Cecil – 1. permeability low somewhere away from well bore
King 2. fluid should come in 1000' - 12 hrs ±
3. possible 2 zones – easiest to see on angle slope of bottom chart

Recommendation a) run correlation gamma ray – CCL before abandonment
b) maybe perf rest of Miss.



HOME OFFICE
P. O. BOX 793

GREAT BEND, KANSAS
GLadstone 3-7903

WESTERN TESTERS

Home Office: Great Bend, Kansas

P. O. Box 793 GLadstone 3-7903 Elev. 2424' D.F.

Company Walters Drilling Company Lease & Well No. Elmore #1 Tkt. #2068

Date 12-29-62 Sec. 17 Twp. 17 Range 24 County Ness State Kansas

Test Approved by Don W. Beauchamp Western Representative W. M. Nething

Formation Test No. 2 O.K. Misrun Interval Tested From 4390' to 4395' Total Depth 4395'

Size Main Hole 7 7/8" Rat Hole 6 1/8" Conv. B.T. X Damaged Yes X No Conv B.T. X Damaged Yes X No.

Packer Depth 4390 Ft. Size 5½" Packer Depth 4385 Ft. Size 5½"

Straddle Yes X No Conv B.T. Damaged Yes No

Packer Depth Ft. Size

Tool Size 5½" O.D. Tool Jt. Size 4½" F.H. Anchor Length 5 Ft. Size 4½" O.D.

RECORDERS Depth 4376 Ft. Clock No. 6899 Depth 4378 Ft. Clock No. 22

Top Make Amerada Cap. 3150# No. 1564 Inside ~~Outside~~ Bottom Make Western Cap. 4000# No. 17 ~~Inside~~ Outside

Below Straddle: Depth Clock No. Inside Outside Depth Ft. Clock No Inside Outside

Top Make Cap No. Inside Outside Bottom Make Cap No. Inside Outside

Time Set Packer 10:47 P M

Tool Open I.F.P. From 10:50P M. to 10:56P M. - Hr. 6 Min. From (B) 15 P.S.I. To (C) 20 P.S.I.

Tool Closed I.C.I.P. From 10:56P M. to 11:26P M. - Hr. 30 Min. (D) 1268 P.S.I.

Tool Open F.F.P. From 11:26P M. to 1:26A M. 2 Hr. - Min From (E) 31 P.S.I. To (F) 128 P.S.I.

Tool Closed F.C.I.P. From 1:26A M. to 2:26A M. 1 Hr. - Min. (G) 1114 P.S.I.

Initial Hydrostatic Pressure (A) 2433 P.S.I. Final Hydrostatic Pressure (H) 2354 P.S.I.

SURFACE INFORMATION

Size Choke	Max. Press. P.S.I.	Time	Description of Flow
1/2 In.		M.	
		M.	
		M.	

FLOW Weak to fair blow Bottom Choke Size 3/4 in.

Did Well Flow Yes X No. Recovery Total Ft. 310 220' Clean Oil 120' Gas Water

90' Muddy Oil Mud

Reversed Out Yes X No Mud Type Starch Viscosity 43 Weight 10 Maximum Temp. 128 °F

EXTRA EQUIPMENT: Dual Packers Dual Safety Joint No Jars: Size No. Make Ser. No.

Type Circ. Sub Plug Did Tool Plug? No Where? Did Packer Hold? Yes

Remarks

31' Tool
744' Wt. Pipe - 2.7" I.D.
3620' D.P. - 3.8" I.D.

WESTERN TESTING CO., INC.
Pressure Data

12-29-62 — Test Ticket No. 2068

ler No. 1564 — Capacity 3150# — Location 4376 Ft.

No. 6899 — Elevation 2424, D.F. — Well Temperature 128 °F

	Pressure		Time Given		Time Computed	
itial Hydrostatic Mud	2433 P.S.I.	Opened Tool	10:50P	M	10:50 PM	
st Initial Flow Pressure	15 P.S.I.	First Flow Pressure	6	Mins.	6	Mins.
rst Final Flow Pressure	20 P.S.I.	Initial Closed-in Pressure	30	Mins.	30	Mins.
itial Closed-in Pressure	1268 P.S.I.	Second Flow Pressure	120	Mins.	120	Mins.
cond Initial Flow Pressure	31 P.S.I.	Final Closed-in Pressure	60	Mins.	60	Mins.
cond Final Flow Pressure	128 P.S.I.					
nal Closed-in Pressure	1114 P.S.I.					
nal Hydrostatic Mud	2354 P.S.I.					

PRESSURE BREAKDOWN

First Flow Press.
Breakdown: 1 Inc.
of 6 mins. and a
final inc. of — Min.

Point Minutes	Press.
0	15
6	20

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

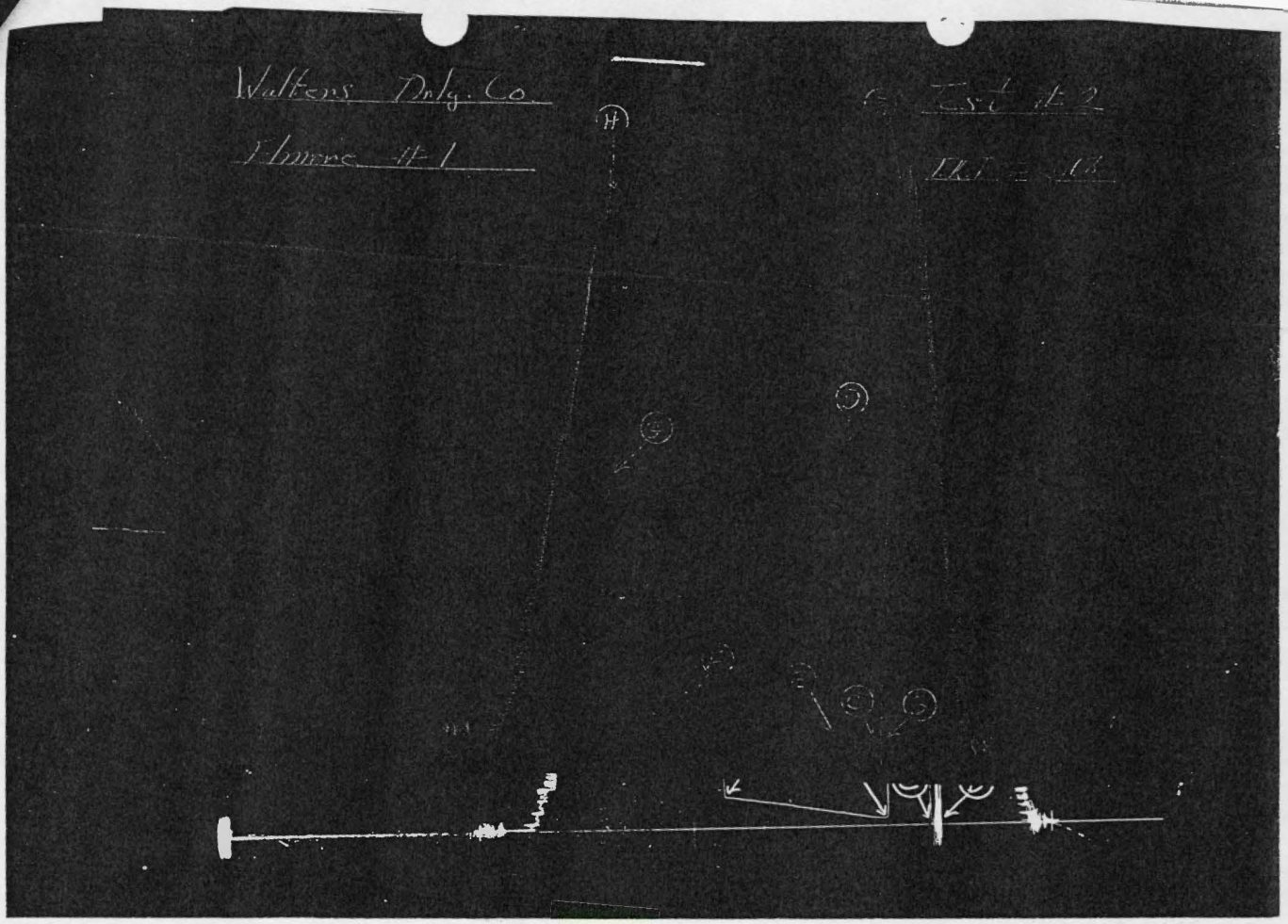
Point Minutes	Press.
0	20
3	1158
6	1206
9	1227
12	1240
15	1251
18	1255
21	1262
24	1265
27	1267
30	1268

Second Flow Pressure
Breakdown: 24 Inc.
of 5 mins. and a
final inc. of — Min.

Point Minutes	Press.
0	31
5	31
10	34
15	36
20	41
25	46
30	51
35	55
40	59
45	64
50	68
55	73
60	77
65	82
70	88
75	93
~~80~~	~~97~~
~~85~~	~~100~~
90	~~103~~
95	108
~~100~~	~~113~~
~~105~~	~~116~~
110	119
115	124
120	128

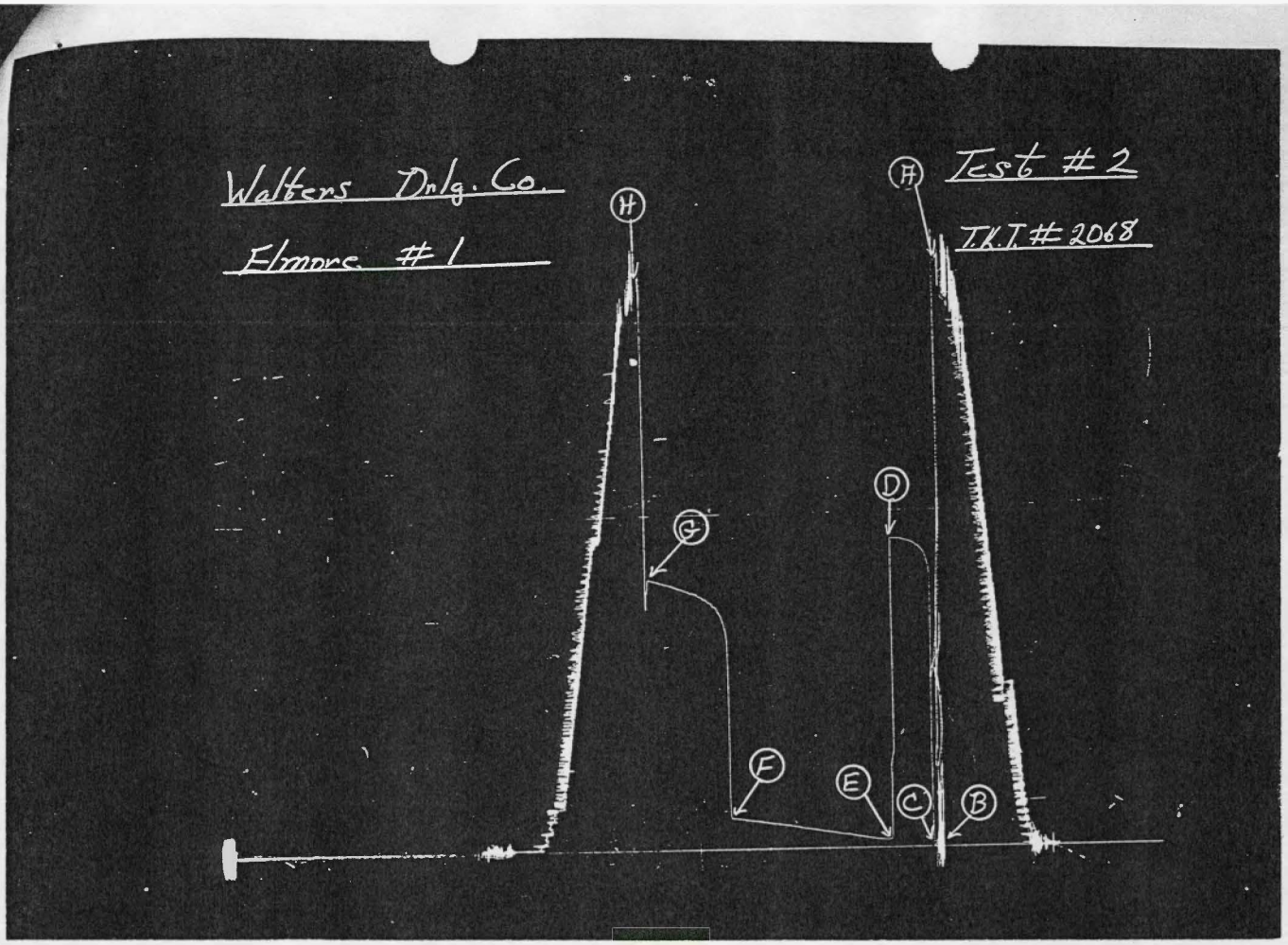
Final Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of — Min.

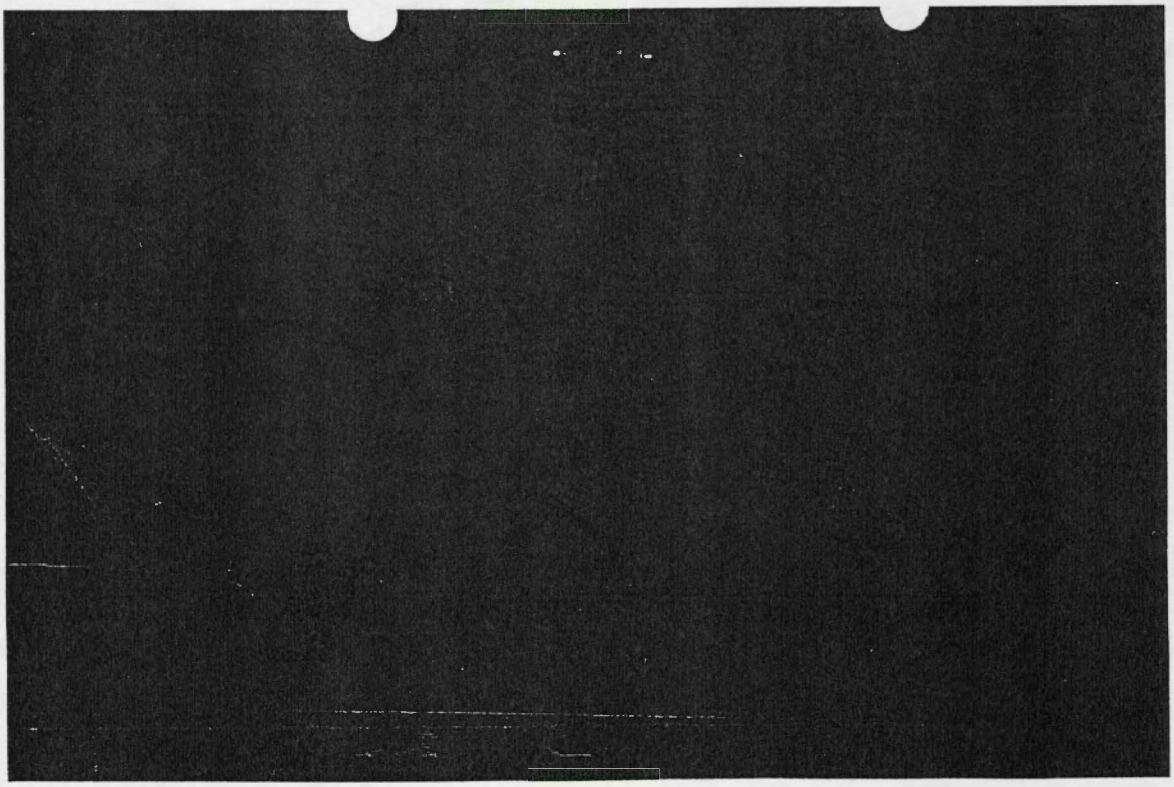
Point Minutes	Press.
0	128
3	893
6	951
9	976
12	998
15	1014
18	1026
21	1035
24	1045
27	1053
30	1058
33	1066
36	1071
39	1077
42	1085
45	1090
~~48~~	~~1094~~
~~51~~	~~1099~~
54	1104
57	1109
~~60~~	~~1114~~

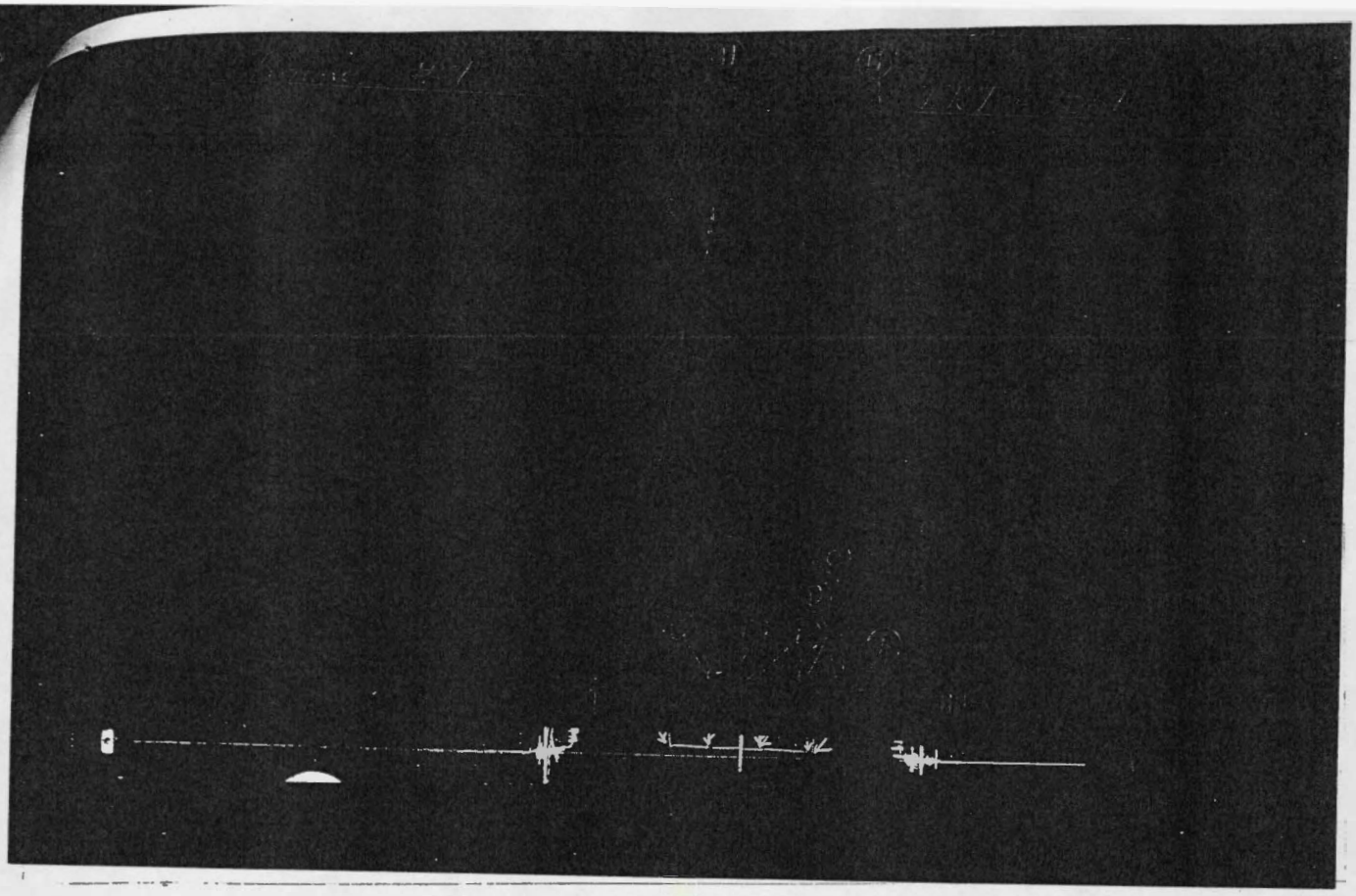


This is an actual photograph of recorder chart

POINT		PRESSURE	
(A)	Initial Hydrostatic Mud	2433	
(B)	First Initial Flow Pressure	15	PSI
(C)	First Final Flow Pressure	20	PSI
(D)	Initial Closed-in Pressure	1268	PSI
(E)	Second Initial Flow Pressure	31	PSI
(F)	Second Final Flow Pressure	128	PSI
(G)	Final Closed-in Pressure	1114	PSI
(H)	Final Hydrostatic Mud	2354	PSI


Walters Drlg. Co.
Elmore #1
Test #2
T.K.I. #2068
H
H
D
G
F
E
C
B





This is an actual photograph of recorder chart.

POINT		PRESSURE	
(A)	Initial Hydrostatic Mud	2346	PSI
(B)	First Initial Flow Pressure	27	PSI
(C)	First Final Flow Pressure	27	PSI
(D)	Initial Closed-in Pressure	34	PSI
(E)	Second Initial Flow Pressure	32	PSI
(F)	Second Final Flow Pressure	36	PSI
(G)	Final Closed-in Pressure	41	PSI
(H)	Final Hydrostatic Mud	2353	PSI