Home Office: Great Bend, Kansas
P. O. Box 793 GLadstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Thompson #2

Elevation 2045 Kelly Bushings Formation Kansas City Ticket Number 7394

Date August 23,1966 Sec. Twp. Range County Rooks State Kansas

Test Approved by Ralph W. Ruwwe Western Representative Gerrell Veatch

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Formation Test No. 1 O.K. X Misrun Interval Tested From 3340' to 3363' Total Depth 3363'

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

Top Packer Depth 3336 Ft. Size 6 3/4 Packer Depth 3340 Ft. Size 6 3/4

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

Packer Depth Ft. Size

Tool Size 5½ OD Tool Jt. Size 4½ FH Anchor Length 23 Ft. Size 5½ OD

RECORDERS Depth 3348 Ft. Clock No. 8377 Depth 3351 Ft. Clock No. 6895

Top Make Kuster Cap. 4150 No. 2607 Inside Outside Bottom Make Kuster Cap. 4150 No. 969 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 10:05 P M

Tool Open I.F.P. From 10:07 M to 10:15 M Hr. 8 Min. From (B) 23 P.S.I. To (C) 30 P.S.I.

Tool Closed I.C.I.P. From 10:15 M. to 10:45 M. Hr. 30 Min. (D) 1119 P.S.I.

Tool Open F.F.P. From 10:45 M. to 12:45 M. 2 Hr. Min. From (E) 37 P.S.I. To (F) 144 P.S.I.

Tool Closed F.C.I.P. From 12:45A M. to 1:45A M. 1 Hr. Min. (G) 1083 P.S.I.

Initial Hydrostatic Pressure (A) 1770 P.S.I. Final Hydrostatic Pressure (H) 1735 P.S.I.

SURFACE INFORMATION	Size Choke 3/8 In.	Max. Press. P.S.I.	Time	Description of Flow
			M.	
			M.	
			M.	

BLOW Weak to good. Bottom Choke Size 3/4 In.

Did Well Flow Yes X No Recovery Total Ft. 300' : 180' oil cut thin mud;

120' oily water. Mud

Reversed Out Yes X No Mud Type starch Viscosity 43 Weight 7.8 Maximum Temp. 104 °F

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

Type Circ. Sub. plug Did Tool Plug? no Where? Did Packer Hold? yes

Length Drill Pipe 2380 ft. I.D. Drill Pipe 3.8 in Length Weight Pipe 1000 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ft.

I. D. Drill Collars in. Length D.S.T. Tool 43 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date: August 23,1966 | Test Ticket No.: 7394

Recorder No.: 2607 | Capacity: 4150 | Location: 3348 Ft.

Clock No.: 8377 | Elevation: 2045 Kelly Bushings | Well Temperature: 104 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	1770 P.S.I.	Opened Tool	10:05 PM	
B	First Initial Flow Pressure	23 P.S.I.	First Flow Pressure	8 Mins.	9 Mins.
C	First Final Flow Pressure	30 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	1119 P.S.I.	Second Flow Pressure	120 Mins.	118 Mins.
E	Second Initial Flow Pressure	37 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F	Second Final Flow Pressure	144 P.S.I.			
G	Final Closed-in Pressure	1083 P.S.I.			
H	Final Hydrostatic Mud	1735 P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.
Breakdown: 1 Inc. of 5 mins. and a final inc. of 4 Min.

Point Mins.	Press.
P 1 0	23
P 2 5	23
P 3 9	30
P 4	
P 5	
P 6	
P 7	
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 = Min.

Point Minutes	Press.
0	30
3	828
6	1039
9	1071
12	1079
15	1092
18	1102
21	1108
24	1112
27	1114
30	1119

Second Flow Pressure
Breakdown: 23 Inc. of 5 mins. and a final inc. of 3 Min.

Point Minutes	Press.
0	37
5	42
10	47
15	50
20	57
25	60
30	65
35	71
40	77
45	82
50	87
55	92
~~60~~	~~97~~
65	102
70	107
~~75~~	~~111~~
80	116
85	120
~~90~~	~~124~~
95	129
100	133
~~105~~	~~136~~
110	140
115	142
~~118~~	~~144~~

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

Point Minutes	Press.
0	144
3	427
6	872
9	972
12	1001
15	1014
18	1027
21	1037
24	1043
27	1050
30	1054
33	1060
~~36~~	~~1064~~
39	1067
42	1069
~~45~~	~~1071~~
48	1075
51	1077
~~54~~	~~1079~~
57	1082
60	1083

WESTERN TESTERS

Home Office: Great Bend, Kansas

P. O. Box 793 GLadstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Thompson #2

Elevation 2045 Kdly Bushings Formation Kansas City Ticket Number 7395

Date August 24,1966 Sec. 3 Twp. 9 Range 17 County Rooks State Kansas

Test Approved by Ralph W. Ruwwe Western Representative Gerrell Veatch

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Formation Test No. 2 O.K. x Misrun ____ Interval Tested From 3363' to 3383' Total Depth 3383'

Size Main Hole 7 7/8 Rat Hole ____ Conv. ____ B.T. x Damaged ____ Yes x No Conv. x B.T. ____ Damaged ____ Yes x No

Top Packer Depth 3359 Ft. Size 6 3/4 Packer Depth 3363 Ft. Size 6 3/4

Straddle ____ Yes x No ____ Conv. ____ B.T. ____ Damaged ____ Yes ____ No

Packer Depth ____ Ft. Size ____

Tool Size 5½ OD Tool Jt. Size 4½ FH Anchor Length 20 Ft. Size 5½ OD

RECORDERS Depth 3371 Ft. Clock No. 8377 Depth 3374 Ft. Clock No. 6895

Top Make Kuster Cap. 4150 No. 2607 Inside ~~Outside~~ Bottom Make Kuster Cap. 4150 No. 969 ~~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

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Time Set Packer 10:34 A M

Tool Open I.F.P. From 10:37 M to 10:45 M Hr. 8 Min. From (B) 21 P.S.I. To (C) 21 P.S.I.

Tool Closed I.C.I.P. From 10:45 M. to 11:15 M. Hr. 30 Min. (D) 1125 P.S.I.

Tool Open F.F.P. From 11:15A M. to 1:15 M. 2 Hr. Min. From (E) 31 P.S.I. To (F) 67 P.S.I.

Tool Closed F.C.I.P. From 1:15 M. to 2:15 M. 1 Hr. Min. (G) 1039 P.S.I.

Initial Hydrostatic Pressure (A) 1782 P.S.I. Final Hydrostatic Pressure (H) 1739 P.S.I.

SURFACE INFORMATION

Size Choke	Max. Press. P.S.I.	Time	Description of Flow
3/8 In.		M.	
		M.	
		M.	

BLOW Weak throughout test. Bottom Choke Size 3/4 In.

Did Well Flow ____ Yes x No Recovery Total Ft. 90': 30' oil cut watery mud;

60' slightly oil cut muddy water. Mud

Reversed Out ____ Yes x No Mud Type starch Viscosity 42 Weight 9.9 Maximum Temp. 105 °F

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

Type Circ. Sub. plug Did Tool Plug? no Where? ____ Did Packer Hold? yes

Length Drill Pipe 2343 ft. I.D. Drill Pipe 3.8 in Length Weight Pipe 1000 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ____ ft.

I. D. Drill Collars ____ in. Length D.S.T. Tool 40 ft.

Remarks

WESTERN TESTING CO., INC.
Pressure Data

Date August 24,1966 — Test Ticket No. 7395

Recorder No. 2607 — Capacity 4150 — Location 3371 Ft.

Clock No. 8377 — Elevation 2045 Kelly Bushings — Well Temperature 105 °F

Point		Pressure		Time Given		Time Computed	
A	Initial Hydrostatic Mud	1782	P.S.I.	Opened Tool	10:34A M		
B	First Initial Flow Pressure	21	P.S.I.	First Flow Pressure	8 Mins.	9	Mins.
C	First Final Flow Pressure	21	P.S.I.	Initial Closed-in Pressure	30 Mins.	32	Mins.
D	Initial Closed-in Pressure	1125	P.S.I.	Second Flow Pressure	120 Mins.	118	Mins.
E	Second Initial Flow Pressure	31	P.S.I.	Final Closed-in Pressure	60 Mins.	60	Mins.
F	Second Final Flow Pressure	67	P.S.I.				
G	Final Closed-in Pressure	1039	P.S.I.				
H	Final Hydrostatic Mud	1739	P.S.I.				

PRESSURE BREAKDOWN

First Flow Press.
Breakdown: 1 Inc. of 5 mins. and a final inc. of 4 Min.

Point Mins.	Press.
P 1 0	21
P 2 5	21
P 3 9	21
P 4	
P 5	
P 6	
P 7	
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 2 Min.

Point Minutes	Press.
0	21
3	360
6	747
9	921
12	983
15	1034
18	1064
21	1081
24	1096
27	1108
30	1117
32	1125

Second Flow Pressure
Breakdown: 23 Inc. of 5 mins. and a final inc. of 3 Min.

Point Minutes	Press.
0	31
5	31
10	31
15	32
20	33
25	37
30	40
35	41
40	42
45	43
50	45
55	47
60	50
65	51
70	52
75	54
80	55
85	58
90	60
95	61
100	62
105	62
110	63
115	65
118	67

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

Point Minutes	Press.
0	67
3	86
6	141
9	256
12	457
15	647
18	782
21	843
24	888
27	920
30	943
33	958
36	974
39	985
42	997
45	1005
48	1014
51	1020
54	1028
57	1033
60	1039

WESTERN TESTERS

Home Office: Great Bend, Kansas

P. O. Box 793 GLadstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Thompson #2

Elevation 2045 Kelly Bushings Formation Kansas City Ticket Number 7396

Date Aug. 25, 1966 Sec. 3 Twp. 9s Range 17w County Rooks State Kansas

Test Approved by Ralph W. Ruwwe Western Representative Gerrell Veatch

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Formation Test No. 3 O.K. X Misrun ____ Interval Tested From 3383' to 3413' Total Depth 3413'

Size Main Hole 7 7/8 Rat Hole ____ Conv. ____ B.T. X Damaged ____ Yes X No Conv. X B.T. ____ Damaged ____ Yes X No

Top Packer Depth 3379 Ft. Size 6 3/4 Packer Depth 3383 Ft. Size 6 3/4

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

Packer Depth ____ Ft. Size ____

Tool Size 5½ OD Tool Jt. Size 4½ FH Anchor Length 30 Ft. Size 5½ OD

RECORDERS Depth 3390 Ft. Clock No. 8377 Depth 3393 Ft. Clock No. 6895

Top Make Kuster Cap. 4150 No. 2607 Inside ~~Outside~~ Bottom Make Kuster Cap. 4150 No. 969 ~~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

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Time Set Packer 12:35 A M

Tool Open I.F.P. From 12:38 M to 12:45 M Hr. ____ Min. From (B) 23 P.S.I. To (C) 28 P.S.I.

Tool Closed I.C.I.P. From 12:45A M. to 1:15 M. Hr. 30 Min. (D) 964 P.S.I.

Tool Open F.F.P. From 1:15A M. to 3:15 M. 2 Hr. ____ Min. From (E) 40 P.S.I. To (F) 155 P.S.I.

Tool Closed F.C.I.P. From 3:15 M. to 4:15 M. 1 Hr. ____ Min. (G) 903 P.S.I.

Initial Hydrostatic Pressure (A) 1812 P.S.I. Final Hydrostatic Pressure (H) 1797 P.S.I.

SURFACE INFORMATION	Size Choke	Max. Press. P.S.I.	Time	Description of Flow
	3/8 In.		M.	
			M.	
			M.	

BLOW Good blow throughout test, increasing to strong. Bottom Choke Size 3/4 In.

Did Well Flow ____ Yes X No Recovery Total Ft. 210' gas in pipe: 200' muddy gassy oil;

130' very heavy oil cut mud Mud

Reversed Out ____ Yes X No Mud Type starch Viscosity 43 Weight 9.9 Maximum Temp. 105 °F

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

Type Circ. Sub. plug Did Tool Plug? no Where? ____ Did Packer Hold? yes

Length Drill Pipe 2363 ft. I.D. Drill Pipe 3.8 in Length Weight Pipe 1000 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ____ ft.

I. D. Drill Collars ____ in. Length D.S.T. Tool 50 ft.

Remarks

WESTERN TESTING CO., INC.
Pressure Data

Date: August 25,1966 | Test Ticket No.: 7396

Recorder No.: 2607 | Capacity: 4150 | Location: 3390 Ft.

Clock No.: 8377 | Elevation: 2045 Kelly Bushings | Well Temperature: 105 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1812 P.S.I.	Opened Tool	12:35 A M	
B First Initial Flow Pressure	23 P.S.I.	First Flow Pressure	7 Mins.	8 Mins.
C First Final Flow Pressure	28 P.S.I.	Initial Closed-in Pressure	30 Mins.	32 Mins.
D Initial Closed-in Pressure	964 P.S.I.	Second Flow Pressure	120 Mins.	119 Mins.
E Second Initial Flow Pressure	40 P.S.I.	Final Closed-in Pressure	60 Mins.	59 Mins.
F Second Final Flow Pressure	155 P.S.I.			
G Final Closed-in Pressure	903 P.S.I.			
H Final Hydrostatic Mud	1797 P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.
Breakdown: 1 Inc. of 5 mins. and a final inc. of 3 Min.

Point Mins.	Press.
P 1 0	23
P 2 5	25
P 3 8	28
P 4	
P 5	
P 6	
P 7.	
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 2 Min.

Point Minutes	Press.
0	28
3	177
6	554
9	770
12	839
15	876
18	903
21	922
24	937
27	949
30	958
32	964

Second Flow Pressure
Breakdown: 23 Inc. of 5 mins. and a final inc. of 4 Min.

Point Minutes	Press.
0	40
5	42
10	46
15	54
20	59
25	73
30	80
35	82
40	88
45	116
50	99
55	101
~~60~~	~~105~~
65	109
70	115
~~75~~	~~118~~
80	123
85	133
~~90~~	~~133~~
95	133
100	168
~~105~~	~~190~~
110	152
115	154
119	155

Final Shut-In
Breakdown: 19 Inc. of 3 mins. and a final inc. of 2 Min.

Point Minutes	Press.
0	155
3	281
6	459
9	626
12	698
15	741
18	770
21	793
24	809
27	825
30	837
33	849
~~36~~	~~858~~
39	867
42	872
~~45~~	~~880~~
48	886
51	891
~~54~~	~~896~~
57	899
59	903

WESTERN TESTERS

Home Office: Great Bend, Kansas

P. O. Box 793 GLadstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Thompson #2

Elevation 2045 Kelly Bushings Formation SAND Ticket Number 7397

Date Aug.25,1966 Sec. 3 Twp. 9 Range 17 County Rooks State Kansas

Test Approved by Ralph W. Ruwwe Western Representative Gerrell Veatch

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Formation Test No. 4 O.K. X Misrun ____ Interval Tested From 3426' to 3445' Total Depth 3445'

Size Main Hole 7 7/8 Rat Hole ____ Conv. ____ B.T. X Damaged ____ Yes X No Conv. ____ B.T. X Damaged X Yes ____ No

Top Packer Depth 3422 Ft. Size 6 3/4 Packer Depth 3426 Ft. Size 6 3/4

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

Packer Depth ____ Ft. Size ____

Tool Size 5½ OD Tool Jt. Size 4½ FH Anchor Length 19 Ft. Size 5½ OD

RECORDERS Depth 3429 Ft. Clock No. 8377 Depth 3432 Ft. Clock No. 6895

Top Make Kuster Cap. 4150 No. 2607 Inside ~~Outside~~ Bottom Make Kuster Cap. 4150 No. 969 ~~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

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Time Set Packer 3:17 P M

Tool Open I.F.P. From 3:20 M to 3:30 M Hr. 10 Min. From (B) 29 P.S.I. To (C) 36 P.S.I.

Tool Closed I.C.I.P. From 3:30 M. to 4:00 M. Hr. 30 Min. (D) 489 P.S.I.

Tool Open F.F.P. From 4:00 M. to 6:00 M. 2 Hr. ____ Min. From (E) 38 P.S.I. To (F) 57 P.S.I.

Tool Closed F.C.I.P. From 6:00 M. to 7:00 M. 1 Hr. ____ Min. (G) 461 P.S.I.

Initial Hydrostatic Pressure (A) 1782 P.S.I. Final Hydrostatic Pressure (H) 1769 P.S.I.

SURFACE INFORMATION

Size Choke	Max. Press. P.S.I.	Time	Description of Flow
3/8 In.		M.	
		M.	
		M.	

BLOW Very weak for 1½ hours Bottom Choke Size 3/4 In.

Did Well Flow ____ Yes X No Recovery Total Ft. 90' oil cut mud

Mud

Reversed Out ____ Yes X No Mud Type starch Viscosity 43 Weight 9.9 Maximum Temp. 106 °F

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

Type Circ. Sub plug Did Tool Plug? no Where? ____ Did Packer Hold? yes

Length Drill Pipe 2406 ft. I.D. Drill Pipe 3.8 in Length Weight Pipe 1000 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ____ ft.

I. D. Drill Collars ____ in. Length D.S.T. Tool 30 ft

Remarks Flushed in 30 minutes. Reading off outside recorder.

WESTERN TESTING CO., INC.
Pressure Data

Date August 25,1966 — Test Ticket No. 7397

Recorder No. 2607 — Capacity 4150 — Location 3429 Ft.

Clock No. 8377 — Elevation 2045 Kelly Bushings — Well Temperature 106 °F

Point		Pressure	
A	Initial Hydrostatic Mud	1782	P.S.I.
B	First Initial Flow Pressure	29	P.S.I.
C	First Final Flow Pressure	36	P.S.I.
D	Initial Closed-in Pressure	489	P.S.I.
E	Second Initial Flow Pressure	38	P.S.I.
F	Second Final Flow Pressure	57	P.S.I.
G	Final Closed-in Pressure	461	P.S.I.
H	Final Hydrostatic Mud	1769	P.S.I.

	Time Given	Time Computed
Opened Tool	3:20 P M	
First Flow Pressure	10 Mins.	9 Mins.
Initial Closed-in Pressure	30 Mins.	28 Mins.
Second Flow Pressure	120 Mins.	115 Mins.
Final Closed-in Pressure	60 Mins.	57 Mins.

PRESSURE BREAKDOWN

First Flow Press.
Breakdown: 1 Inc. of 5 mins. and a final inc. of 4 Min.

Point Mins.	Press.
P 1 0	29
P 2 5	32
P 3 9	36
P 4	
P 5	
P 6	
P 7	
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 9 Inc. of 3 mins. and a final inc. of 1 Min.

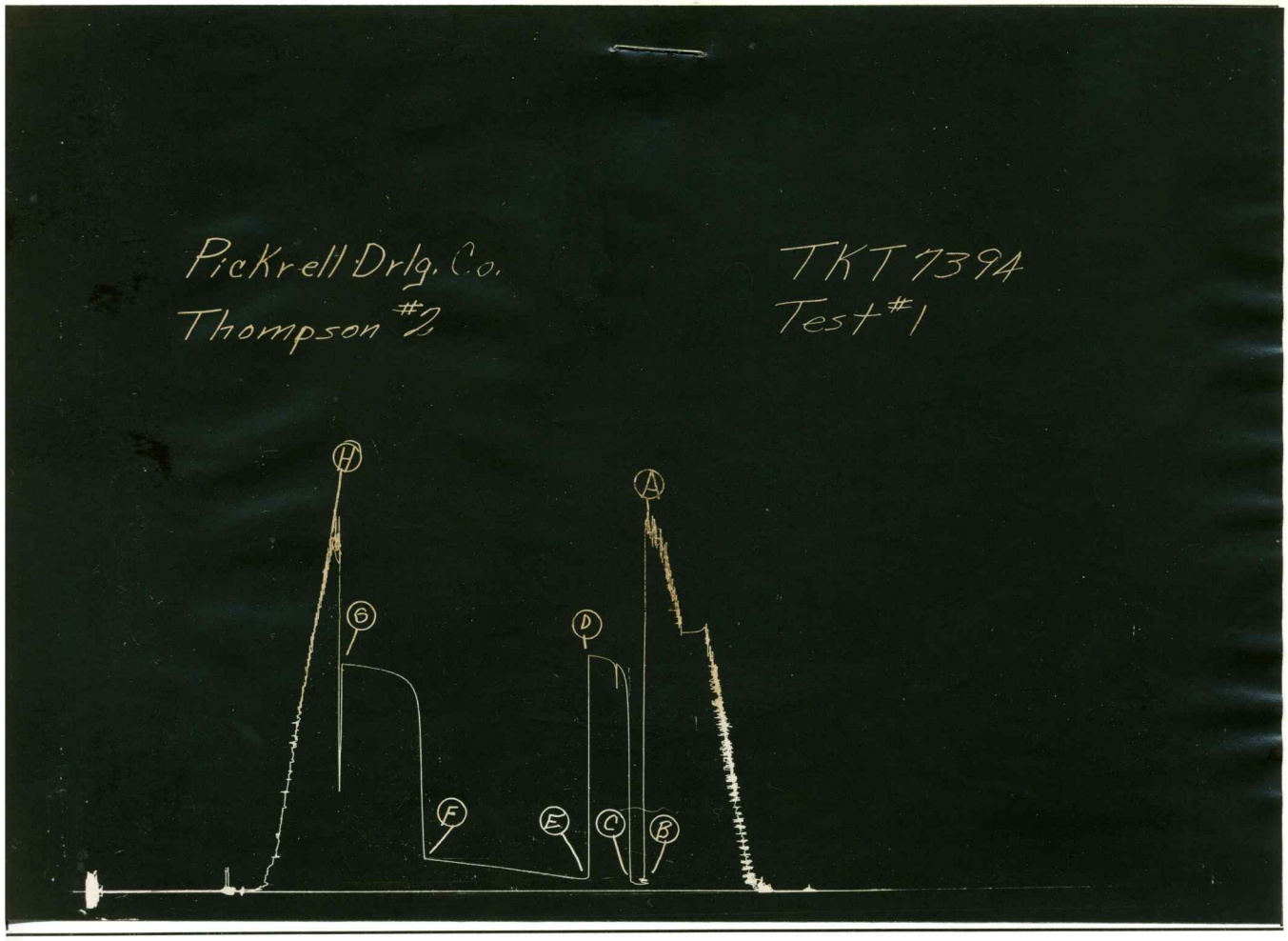
Point Minutes	Press.
0	36
3	338
6	430
9	457
12	467
15	477
18	481
21	485
24	487
27	489
28	489

Second Flow Pressure
Breakdown: 23 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	38
5	38
10	38
15	38
20	38
25	38
30	46
35	46
40	46
45	48
50	48
55	48
~~60~~	~~50~~
65	50
70	52
~~75~~	~~52~~
80	54
85	54
~~90~~	~~55~~
95	56
100	56
~~105~~	~~57~~
110	57
115	57

Final Shut-In
Breakdown: 19 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	57
3	61
6	71
9	82
12	98
15	118
18	162
21	221
24	293
27	348
30	399
33	416
~~36~~	~~432~~
39	441
42	449
~~45~~	~~453~~
48	455
51	457
~~54~~	~~459~~
57	461

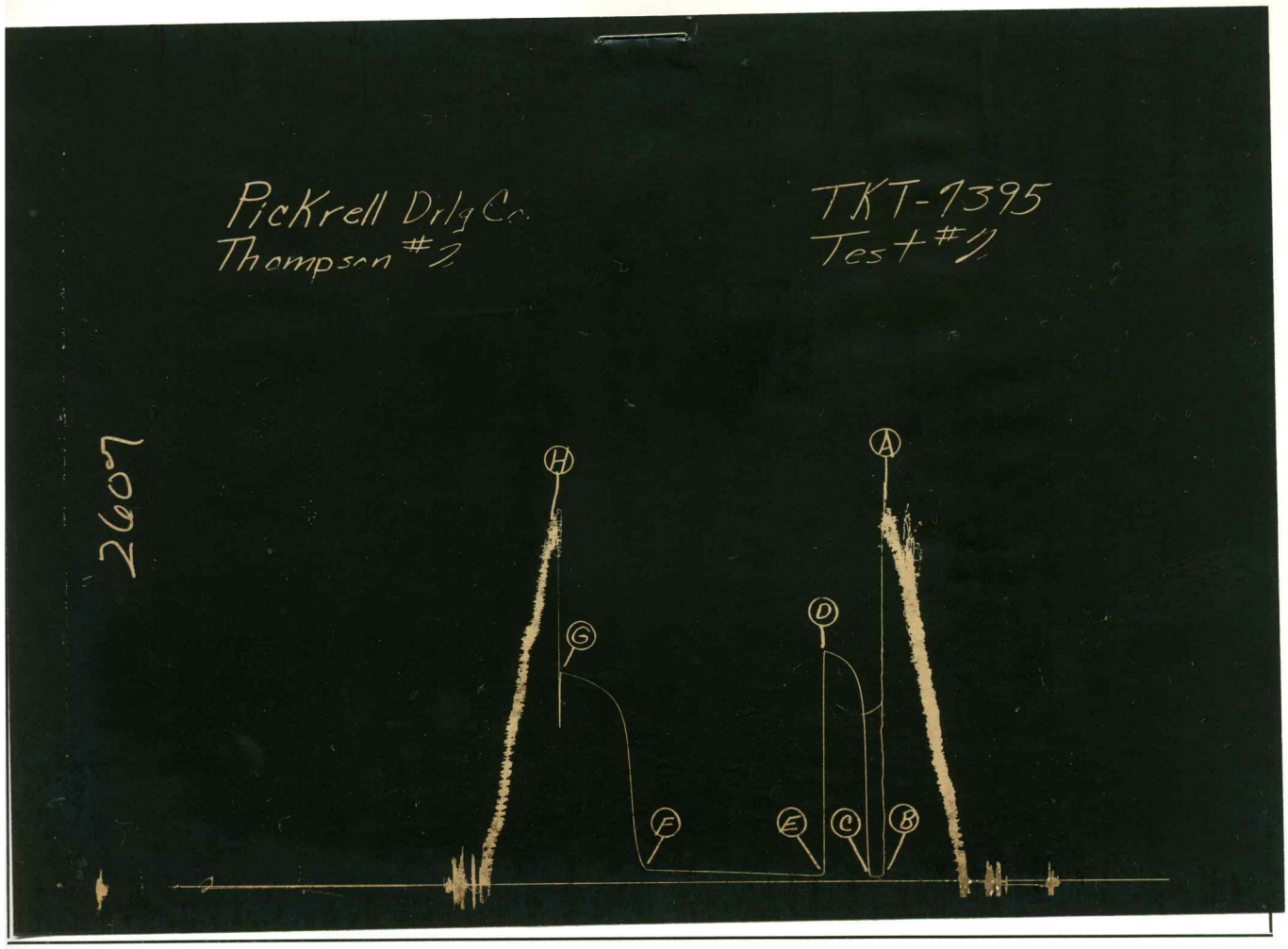


This is an actual photograph of recorder chart.

POINT		PRESSURE	
(A)	Initial Hydrostatic Mud	1770	PSI
(B)	First Initial Flow Pressure	23	PSI
(C)	First Final Flow Pressure	30	PSI
(D)	Initial Closed-in Pressure	1119	PSI
(E)	Second Initial Flow Pressure	37	PSI
(F)	Second Final Flow Pressure	144	PSI
(G)	Final Closed-in Pressure	1083	PSI
(H)	Final Hydrostatic Mud	1735	PSI

COMPANY PICKRELL DRILLING COMPANY LEASE AND WELL NO. THOMPSON #2 SEC. TWP. RGE. TEST NO. 1 DATE 8-23-66

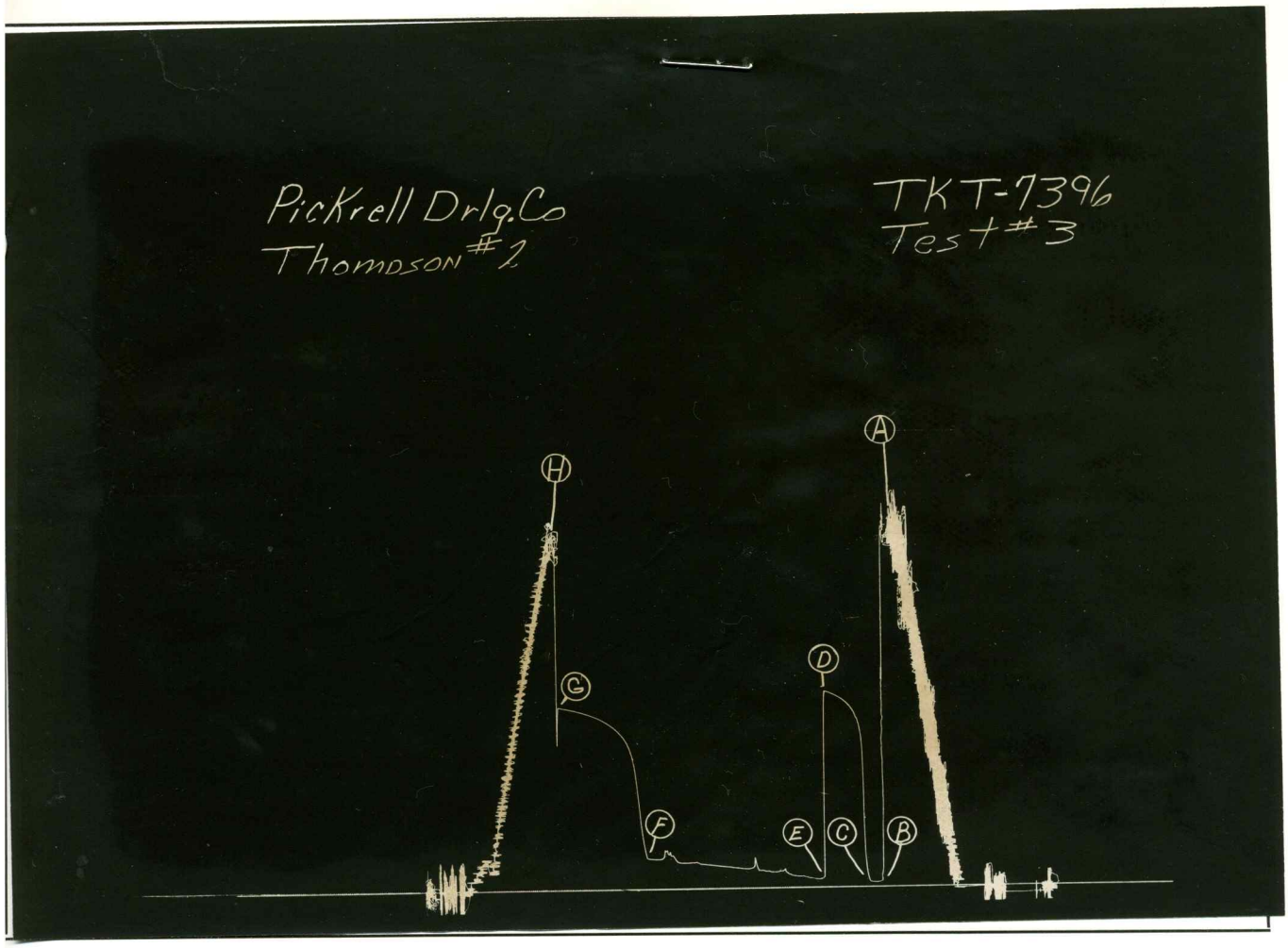
COMPANY PICKRELL DRILLING COMPANY LEASE AND WELL NO. THOMPSON #2 SEC. 3 TWP. 9 RGE. 17 TEST NO. 2 DATE 8-24-66



This is an actual photograph of recorder chart.

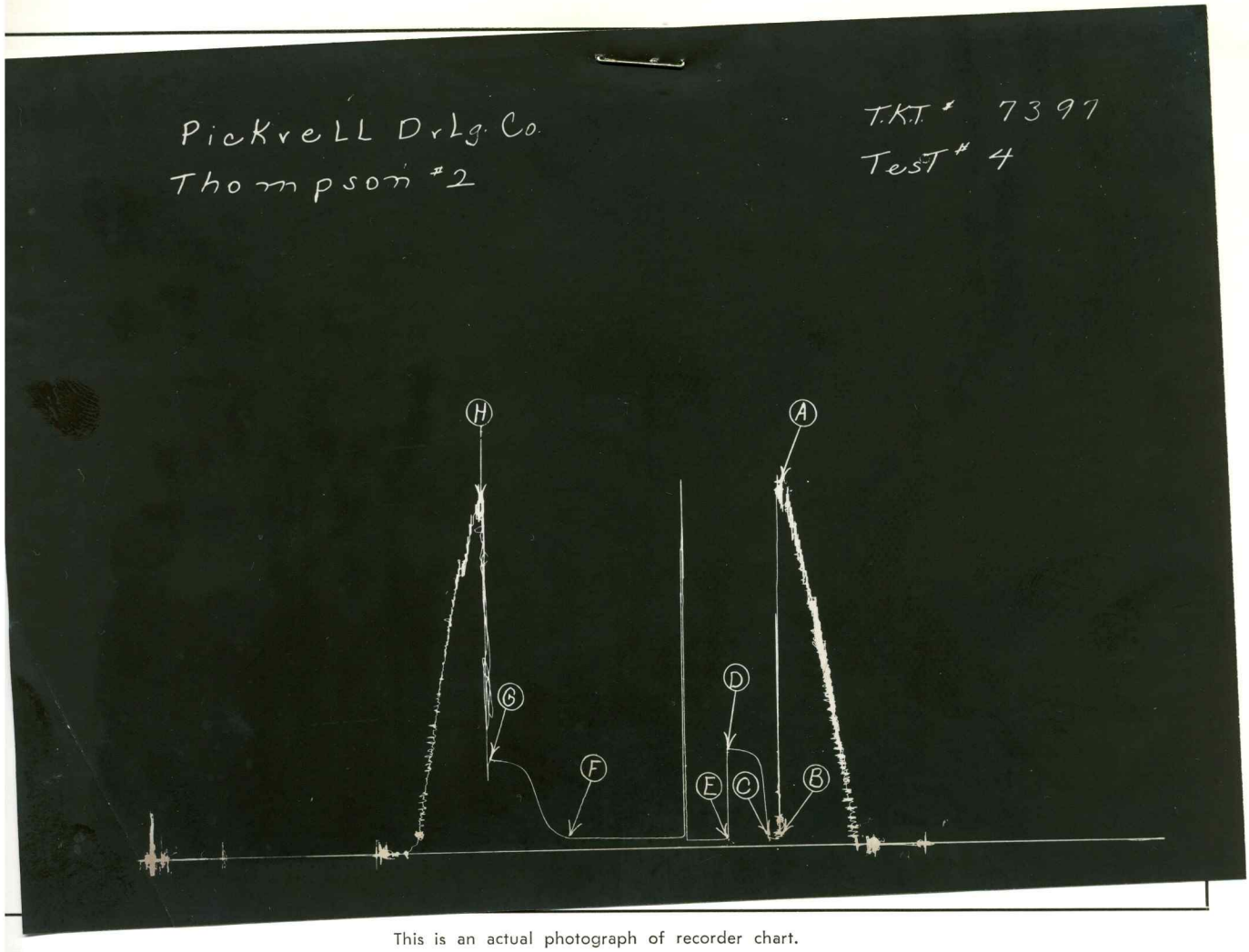
POINT		PRESSURE	
(A)	Initial Hydrostatic Mud	1782	PSI
(B)	First Initial Flow Pressure	21	PSI
(C)	First Final Flow Pressure	21	PSI
(D)	Initial Closed-in Pressure	1125	PSI
(E)	Second Initial Flow Pressure	31	PSI
(F)	Second Final Flow Pressure	67	PSI
(G)	Final Closed-in Pressure	1039	PSI
(H)	Final Hydrostatic Mud	1739	PSI

COMPANY PICKRELL DRILLING CO. LEASE AND WELL NO. THOMPSON #2 SEC. 3 TWP. 9S RGE. 17W TEST NO. 3 DATE 8-25-66



This is an actual photograph of recorder chart.

POINT		PRESSURE	
(A)	Initial Hydrostatic Mud	1812	PSI
(B)	First Initial Flow Pressure	23	PSI
(C)	First Final Flow Pressure	28	PSI
(D)	Initial Closed-in Pressure	964	PSI
(E)	Second Initial Flow Pressure	40	PSI
(F)	Second Final Flow Pressure	155	PSI
(G)	Final Closed-in Pressure	903	PSI
(H)	Final Hydrostatic Mud	1797	PSI



This is an actual photograph of recorder chart.

POINT		PRESSURE
(A)	Initial Hydrostatic Mud	1782 PSI
(B)	First Initial Flow Pressure	29 PSI
(C)	First Final Flow Pressure	36 PSI
(D)	Initial Closed-in Pressure	489 PSI
(E)	Second Initial Flow Pressure	38 PSI
(F)	Second Final Flow Pressure	57 PSI
(G)	Final Closed-in Pressure	461 PSI
(H)	Final Hydrostatic Mud	1769 PSI

COMPANY PICKRELL DRILLING COMPANY LEASE AND WELL NO. THOMPSON #2 SEC. 3 TWP. 9 RGE. 17 TEST NO. 4 DATE 8-25-66