WESTERN TESTERS

Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Pickrell Drlg. Co. Lease & Well No. Wegele A#1

Elevation 2173 Kelly Bushing Formation Fort Scott Effective Pay Ft. Ticket No. 10470

Date 3-12-68 Sec. 22 Twp. 18s Range 22w County Ness State Kansas

Test Approved by Dan Bowles Western Representative Dean Blagrave

Formation Test No. 1 O.K. x Misrun Interval Tested From 4144' to 4183' Total Depth 4183'

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

Packer Depth 4139 Ft. Size 6 3/4 Packer Depth 4144 Ft. Size 6 3/4

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

Packer Depth Ft. Size

Tool Size 5½"OD Tool Jt. Size 4½"FH Anchor Length 39 Ft. Size 5½"OD

RECORDERS Depth 4174 Ft. Clock No. 8475 Depth 4177 Ft. Clock No. 6774

Top Make Amerada Cap. 4150 No. 2606 Inside Outside Bottom Make Amerada Cap. 4300 No. 1567 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 1:49 P. M

Tool Open I.F.P. From 1:51 M. to 2:06 P M. Hr. 15 Min. From (B) 58 P.S.I. To (C) 59 P.S.I.

Tool Closed I.C.I.P. From 2:06 M. to 2:36 P M. Hr. 30 Min. (D) 191 P.S.I.

Tool Open F.F.P. From 2:36 M. to 4:36 P M. 2 Hr. -- Min. From (E) 68 P.S.I. To (F) 71 P.S.I.

Tool Closed F.C.I.P. From 4:36 M. to 5:36 P M. 1 Hr. 00 Min. (G) 464 P.S.I.

Initial Hydrostatic Pressure (A) 2219 P.S.I. Final Hydrostatic Pressure (H) 2196 P.S.I.

SURFACE INFORMATION	Size Choke	Max. Press. P.S.I.	Time	Description of Flow
	1/4 In.		M.	
			M.	
			M.	

BLOW Fair throughout. Bottom Choke Size 3/4 In.

Did Well Flow Yes x No Recovery Total Ft. 30 feet slightly oil cut mud.

Reversed Out Yes x No Mud Type starch Viscosity 42 Weight 9.9 Water Loss 10.8 cc. Maximum Temp. 114 °F

Type Circ. Sub. plug Did Tool Plug? no Jars: Size no Make Ser. No.

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Did Packer Hold? yes Where?

Length Drill Pipe ft. I.D. Drill Pipe in. Length Weight Pipe 1055 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.

I. D. Drill Collars in. Length D.S.T. Tool 57 ft.

Remarks

WESTERN TESTING CO., INC.
Pressure Data

Date 3-12-68 Test Ticket No. 10470

Recorder No. 2606 Capacity 4150 Location 4174 Ft.

Clock No. 8475 Elevation 2173 Kelly Bushing Well Temperature 114 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2219 P.S.I.	Opened Tool	1:49 P. M.	
B First Initial Flow Pressure	58 P.S.I.	First Flow Pressure	15 Mins.	15 Mins.
C First Final Flow Pressure	59 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	191 P.S.I.	Second Flow Pressure	120 Mins.	118 Mins.
E Second Initial Flow Pressure	68 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	71 P.S.I.			
G Final Closed-in Pressure	464 P.S.I.			
H Final Hydrostatic Mud	2196 P.S.I.			

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	58
P 2 5	58
P 3 10	58
P 4 15	59
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.

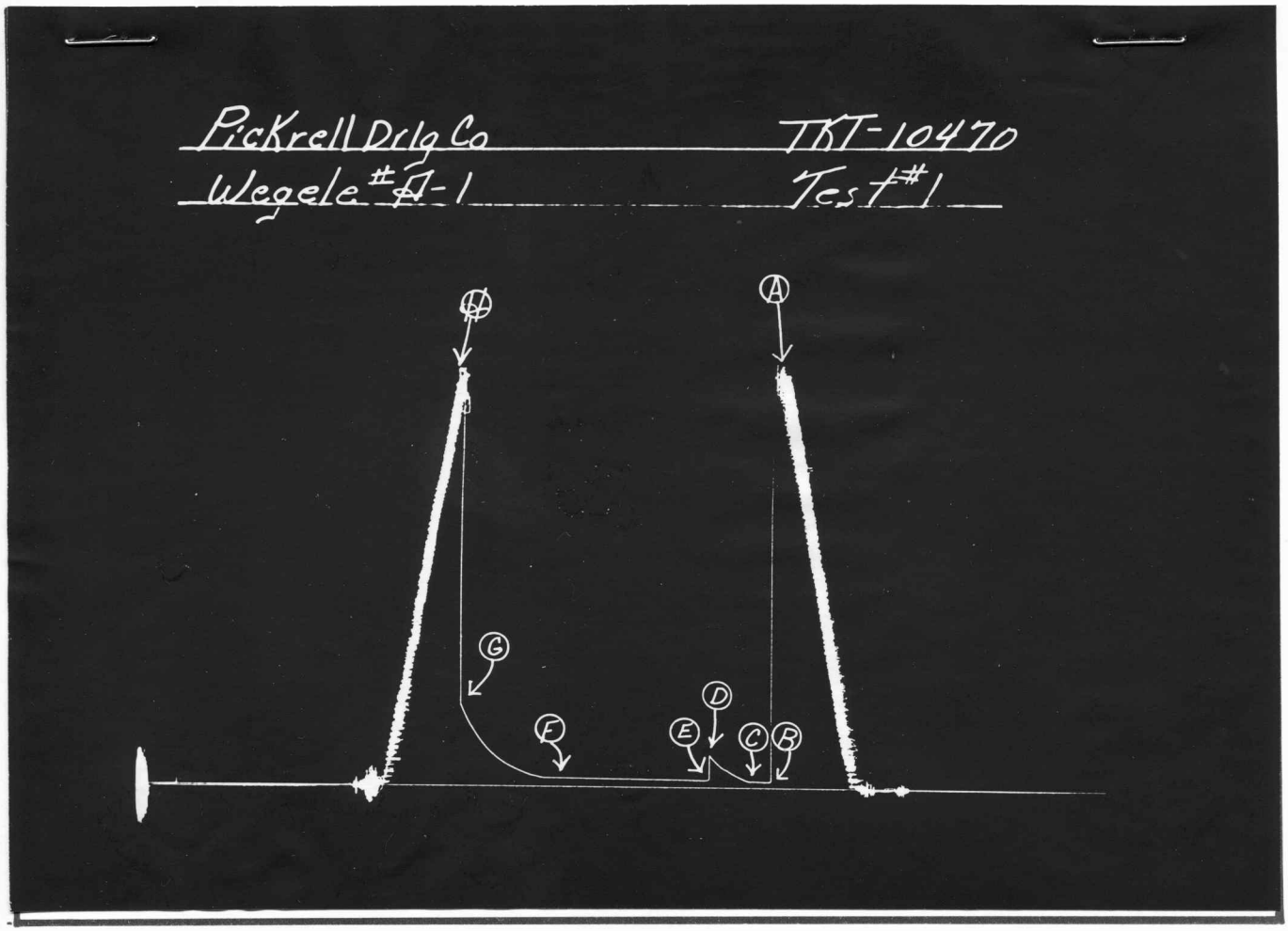
Point Minutes	Press.
0	59
3	60
6	61
9	62
12	68
15	79
18	101
21	118
24	141
27	164
30	191

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

Point Minutes	Press.
0	68
5	68
10	68
15	68
20	68
25	68
30	68
35	68
40	68
45	68
50	68
~~55~~	~~68~~
60	68
65	69
~~70~~	~~70~~
75	70
~~80~~	70
~~85~~	~~71~~
90	71
95	71
~~100~~	~~71~~
105	71
110	71
~~115~~	~~71~~
118	71

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

Point Minutes	Press.
0	71
3	73
6	76
9	79
12	86
15	93
18	104
21	114
24	124
27	137
30	149
~~33~~	~~166~~
36	183
39	203
~~42~~	~~228~~
45	255
48	287
~~51~~	~~326~~
54	366
57	420
~~60~~	~~464~~



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2229	2219	PSI
(B)	First Initial Flow Pressure	52	58	PSI
(C)	First Final Flow Pressure	52	59	PSI
(D)	Initial Closed-in Pressure	187	191	PSI
(E)	Second Initial Flow Pressure	62	68	PSI
(F)	Second Final Flow Pressure	72	71	PSI
(G)	Final Closed-in Pressure	458	464	PSI
(H)	Final Hydrostatic Mud	2209	2196	PSI

COMPANY Pickrell Drlg. Co. LEASE AND WELL NO. Wegele A#1 SEC. 22 TWP. 18S RGE. 22W TEST NO. 1 DATE 3-12-68

WESTERN TESTERS

Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Pickrell Drlg. Co. Lease & Well No. Wegele A#1

Elevation 2173 Kelly Bushing Formation Mississippian Effective Pay Ft. Ticket No. 10471

Date 3-13-68 Sec. 22 Twp. 18s Range 22w County Ness State Kansas

Test Approved by Dan Bowles Western Representative Dean Blagrave

Formation Test No. 2 O.K. X Misrun Interval Tested From 4228' to 4265' Total Depth 4265'

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

Packer Depth 4223 Ft. Size 6 3/4 Packer Depth 4228 Ft. Size 6 3/4

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

Packer Depth Ft. Size

Tool Size 5½"OD Tool Jt. Size 4½"FH Anchor Length 37 Ft. Size 5½"OD

RECORDERS Depth 4256 Ft. Clock No. 8475 Depth 4259 Ft. Clock No. 6774

Top Make Amerada Cap. 4150 No. 2606 Inside Outside Bottom Make Amerada Cap. 4300 No. 1567 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 10:03 A. M

Tool Open I.F.P. From 10:05 M. to 10:10 A M. Hr. 5 Min. From (B) 83 P.S.I. To (C) 108 P.S.I.

Tool Closed I.C.I.P. From 10:10 M. to 10:40 A M. Hr. 30 Min. (D) 1325 P.S.I.

Tool Open F.F.P. From 10:40 M. to 12:10 P M. 1 Hr. 30 Min. From (E) 153 P.S.I. To (F) 514 P.S.I.

Tool Closed F.C.I.P. From 12:10 M. to 1:10 P M. 1 Hr. -- Min. (G) 1054 P.S.I.

Initial Hydrostatic Pressure (A) 2282 P.S.I. Final Hydrostatic Pressure (H) 2265 P.S.I.

SURFACE INFORMATION	Size Choke	Max. Press. P.S.I.	Time	Description of Flow
	1/4 In.		M.	
			M.	
			M.	

BLOW Strong throughout. Bottom Choke Size 3/4 In.

Did Well Flow Yes X No Recovery Total Ft. 420 feet gas in pipe: 720 feet clean gassy oil; 600 feet muddy oil; (46° gravity corrected)

Reversed Out Yes No Mud Type starch Viscosity 47 Weight 9.9 Water Loss 10.8 cc. Maximum Temp. 117 °F

Type Circ. Sub. plug Did Tool Plug? no Jars: Size no Make Ser. No.

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Did Packer Hold? yes Where?

Length Drill Pipe ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 995 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.

I. D. Drill Collars in. Length D.S.T. Tool 55 ft.

Remarks

WESTERN TESTING CO., INC.
Pressure Data

Date 3-13-68 Test Ticket No. 10471

Recorder No. 2606 Capacity 4150 Location 4256 Ft.

Clock No. 8475 Elevation 2173 Kelly Bushings Well Temperature 117 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2282 P.S.I.	Opened Tool	10:03 A. M	
B First Initial Flow Pressure	83 P.S.I.	First Flow Pressure	5 Mins.	5 Mins.
C First Final Flow Pressure	108 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	1325 P.S.I.	Second Flow Pressure	90 Mins.	85 Mins.
E Second Initial Flow Pressure	153 P.S.I.	Final Closed-in Pressure	60 Mins.	57 Mins.
F Second Final Flow Pressure	514 P.S.I.			
G Final Closed-in Pressure	1054 P.S.I.			
H Final Hydrostatic Mud	2265 P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.
Breakdown: 1 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.	Press.
P 1 0	83
P 2 5	108
P 3	
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 0 Min.

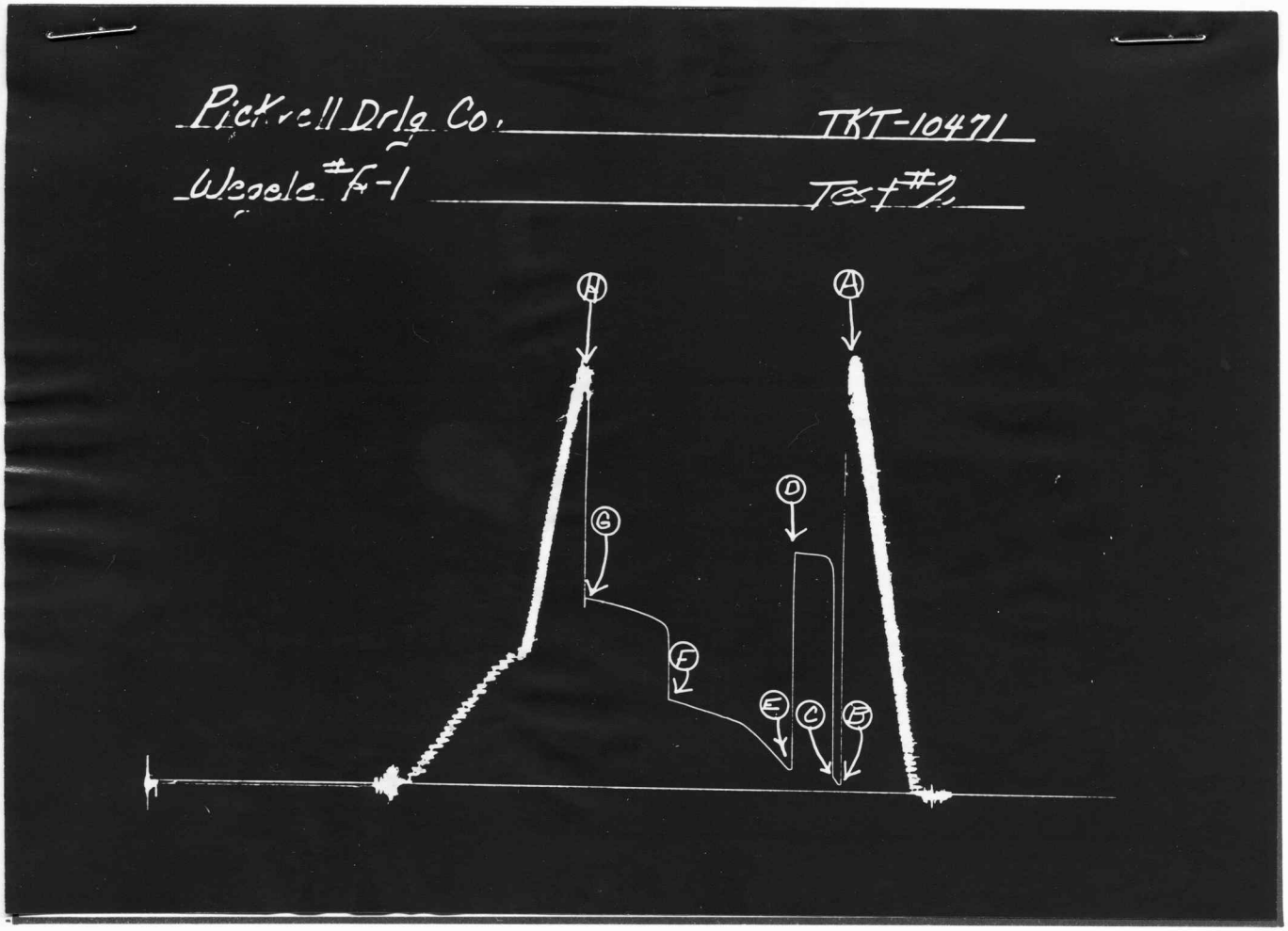
Point Minutes	Press.
0	108
3	1227
6	1285
9	1304
12	1308
15	1312
18	1315
21	1319
24	1321
27	1323
30	1325

Second Flow Pressure
Breakdown: 17 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	153
5	164
10	210
15	251
20	291
25	332
30	368
35	393
40	408
45	422
50	433
55	447
60	460
65	472
70	485
75	497
80	506
85	514

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

Point Minutes	Press.
0	514
3	920
6	937
9	950
12	959
15	968
18	979
21	989
24	995
27	1004
30	1010
33	1016
36	1024
39	1031
42	1035
45	1040
48	1045
51	1049
54	1052
57	1054



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2282	2282	PSI
(B)	First Initial Flow Pressure	83	83	PSI
(C)	First Final Flow Pressure	104	108	PSI
(D)	Initial Closed-in Pressure	1319	1325	PSI
(E)	Second Initial Flow Pressure	156	153	PSI
(F)	Second Final Flow Pressure	510	514	PSI
(G)	Final Closed-in Pressure	1060	1054	PSI
(H)	Final Hydrostatic Mud	2271	2265	PSI

COMPANY Pickrell Drlg. Co. LEASE AND WELL NO. Wegele A#1 SEC. 22 TWP. 18S RGE. 27W TEST NO. 2 DATE 3-13-68

WESTERN TESTERS

Home Office: Great Bend, Kansas

P. O. Box 793 (316) 793-7903

Company Pickrell Drlg. Co. Lease & Well No. Wegele A#1

Elevation 2173 Kelly Bushing Formation Mississippian Effective Pay 10 Ft. Ticket No. 10472

Date 3-14-68 Sec. 22 Twp. 18s Range 22w County Ness State Kansas

Test Approved by Dan Bowles Western Representative Dean Blagrave

Formation Test No. 3 O.K. x Misrun Interval Tested From 4265' to 4275' Total Depth 4275'

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

Packer Depth 4260 Ft. Size 6 3/4 Packer Depth 4265 Ft. Size 6 3/4

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

Packer Depth Ft. Size

Tool Size 5½"OD Tool Jt. Size 4½"FH Anchor Length 10 Ft. Size 5½"OD

RECORDERS Depth 4269 Ft. Clock No. 8475 Depth 4272 Ft. Clock No. 6774

Top Make Amerada Cap. 4150 No. 2606 Inside Outside Bottom Make Amerada Cap. 4300 No. 1567 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 11:58 P. M

Tool Open I.F.P. From 12:00 M. to 12:10 A M. Hr. 10 Min. From (B) 47 P.S.I. To (C) 47 P.S.I.

Tool Closed I.C.I.P. From 12:10 M. to 12:40 A M. Hr. 30 Min. (D) 1286 P.S.I.

Tool Open F.F.P. From 12:40 M. to 1:15 A M. Hr. 35 Min. From (E) 58 P.S.I. To (F) 198 P.S.I.

Tool Closed F.C.I.P. From 1:15 M. to 1:45 A M. Hr. 30 Min. (G) 1275 P.S.I.

Initial Hydrostatic Pressure (A) 2258 P.S.I. Final Hydrostatic Pressure (H) 2248 P.S.I.

SURFACE INFORMATION	Size Choke	Max. Press. P.S.I.	Time	Description of Flow
	1/4 In.		M.	
			M.	
			M.	

BLOW Weak for 10 minutes, packer leaked after flush on final flow. Bottom Choke Size 3/4 In.

Did Well Flow Yes x No Recovery Total Ft. 305 feet mud.

Reversed Out Yes x No Mud Type starch Viscosity 45 Weight 9.9 Water Loss 9.2 cc. Maximum Temp. 117 °F

Type Circ. Sub. plug Did Tool Plug? no Jars: Size no Make Ser. No.

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Did Packer Hold? Where?

Length Drill Pipe ft. I.D. Drill Pipe in. Length Weight Pipe 995 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.

I. D. Drill Collars in. Length D.S.T. Tool 28 ft.

Remarks

WESTERN TESTING CO., INC.
Pressure Data

Date 3-14-68 Test Ticket No. 10472

Recorder No. 2606 Capacity 4150 Location 4269 Ft.

Clock No. 8475 Elevation 2173 Kelly Bushing Well Temperature 117 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2258 P.S.I.	Opened Tool	11:58 P. M.	
B First Initial Flow Pressure	47 P.S.I.	First Flow Pressure	10 Mins.	11 Mins.
C First Final Flow Pressure	47 P.S.I.	Initial Closed-in Pressure	30 Mins.	29 Mins.
D Initial Closed-in Pressure	1286 P.S.I.	Second Flow Pressure	35 Mins.	34 Mins.
E Second Initial Flow Pressure	58 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	198 P.S.I.			
G Final Closed-in Pressure	1275 P.S.I.			
H Final Hydrostatic Mud	2246 P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.
Breakdown: 2 Inc.
of 5 mins. and a
final inc. of 1 Min.

Point Mins.	Press.
P 1 0	47
P 2 5	47
P 3 10	47
P 4 11	47
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 2 Min.

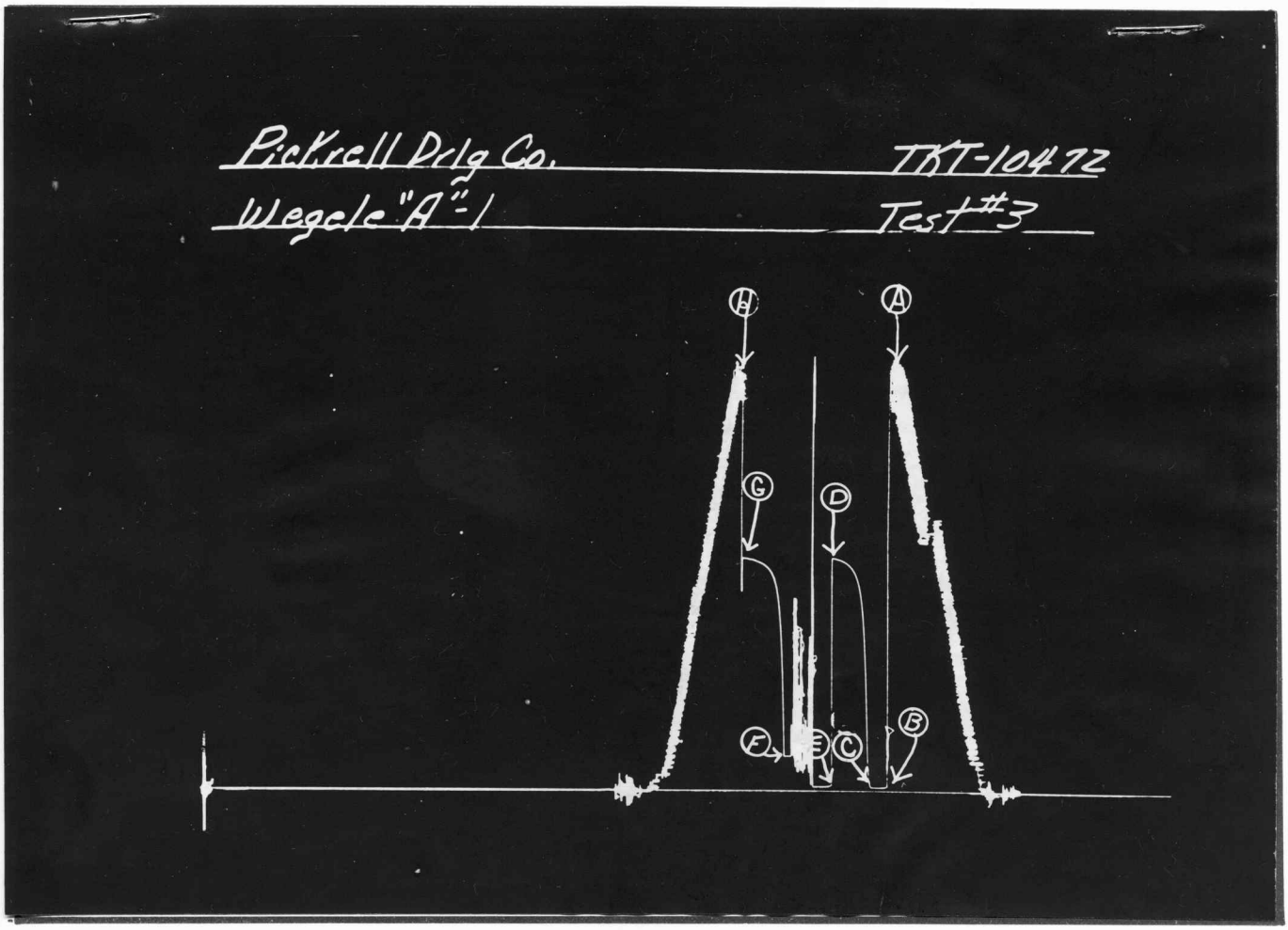
Point Minutes	Press.
0	47
3	489
6	912
9	1086
12	1188
15	1231
18	1256
21	1271
24	1277
27	1283
29	1286

Second Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 4 Min.

Point Minutes	Press.
0	58
5	58
10	58
15	58
20	Packer leaked
25	197
30	197
34	198

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

Point Minutes	Press.
0	198
3	831
6	1064
9	1173
12	1215
15	1238
18	1252
21	1260
24	1267
27	1273
30	1275



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2261	2258	PSI
(B)	First Initial Flow Pressure	41	47	PSI
(C)	First Final Flow Pressure	41	47	PSI
(D)	Initial Closed-in Pressure	1277	1286	PSI
(E)	Second Initial Flow Pressure	52	58	PSI
(F)	Second Final Flow Pressure	197	198	PSI
(G)	Final Closed-in Pressure	1277	1275	PSI
(H)	Final Hydrostatic Mud	2250	2246	PSI

COMPANY Pickrell Drlg. Co. LEASE AND WELL NO. Wegele A#1 SEC. 22 TWP. 10S RGE. 22W TEST NO. 3 DATE 3-14-08

WESTERN TESTERS

Home Office: Great Bend, Kansas

P. O. Box 793 (316) 793-7903

Company Pickrell Drlg. Co. Lease & Well No. Wegele A#1

Elevation 2173 Kelly Bushing Formation Mississippian Effective Pay 13 Ft. Ticket No. 10473

Date 3-14-68 Sec. 22 Twp. 18s Range 22w County Ness State Kansas

Test Approved by Dan Bowles Western Representative Dean Blagrave

Formation Test No. 4 O.K. X Misrun Interval Tested From 4275' to 4288' Total Depth 4288'

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

Packer Depth 4270 Ft. Size 6 3/4 Packer Depth 4275 Ft. Size 6 3/4

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

Packer Depth Ft. Size

Tool Size 5½"OD Tool Jt. Size 4½"FH Anchor Length 13 Ft. Size 5½"OD

RECORDERS Depth 4279 Ft. Clock No. 8475 Depth 4282 Ft. Clock No. 6774

Top Make Amerada Cap. 4150 No. 2606 Inside ~~Outside~~ Bottom Make Amerada Cap. 4300 No. 1567 ~~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 11:33 A. M

Tool Open I.F.P. From 11:35 M. to 11:50 A M. Hr. 15 Min. From (B) 47 P.S.I. To (C) 47 P.S.I.

Tool Closed I.C.I.P. From 11:50 M. to 12:20 P M. Hr. 30 Min. (D) 1097 P.S.I.

Tool Open F.F.P. From 12:20 M. to 12:50 P M. Hr. 30 Min. From (E) 56 P.S.I. To (F) 58 P.S.I.

Tool Closed F.C.I.P. From 12:50 M. to 1:20 P M. Hr. 30 Min. (G) 946 P.S.I.

Initial Hydrostatic Pressure (A) 2280 P.S.I. Final Hydrostatic Pressure (H) 2263 P.S.I.

SURFACE INFORMATION	Size Choke	Max. Press. P.S.I.	Time	Description of Flow
	1/4 In.		M.	
			M.	
			M.	

BLOW Weak for 15 minutes - preflow. Very weak 5 minutes after flush Bottom Choke Size 3/4 In.

Did Well Flow Yes X No Recovery Total Ft. 20 feet oil specked mud.

Reversed Out Yes X No Mud Type starch Viscosity 45 Weight 9.9 Water Loss 9.2 cc. Maximum Temp. 117 °F

Type Circ. Sub. plug Did Tool Plug? no Jars: Size no Make Ser. No.

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Did Packer Hold? yes Where?

Length Drill Pipe ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 995 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.

I. D. Drill Collars in. Length D.S.T. Tool 31 ft.

Remarks Flushed at 3 minutes on final flow.

WESTERN TESTING CO., INC.
Pressure Data

Date 3-14-68 Test Ticket No. 10473

Recorder No. 2606 Capacity 4150 Location 4279 Ft.

Clock No. 8475 Elevation 2173 Kelly Bushing Well Temperature 117 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2280 P.S.I.	Opened Tool	11:33 A. M	
B First Initial Flow Pressure	47 P.S.I.	First Flow Pressure	15 Mins.	15 Mins.
C First Final Flow Pressure	47 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	1097 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	56 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	58 P.S.I.			
G Final Closed-in Pressure	946 P.S.I.			
H Final Hydrostatic Mud	2263 P.S.I.			

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	47
P 2 5	47
P 3 10	47
P 4 15	47
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.

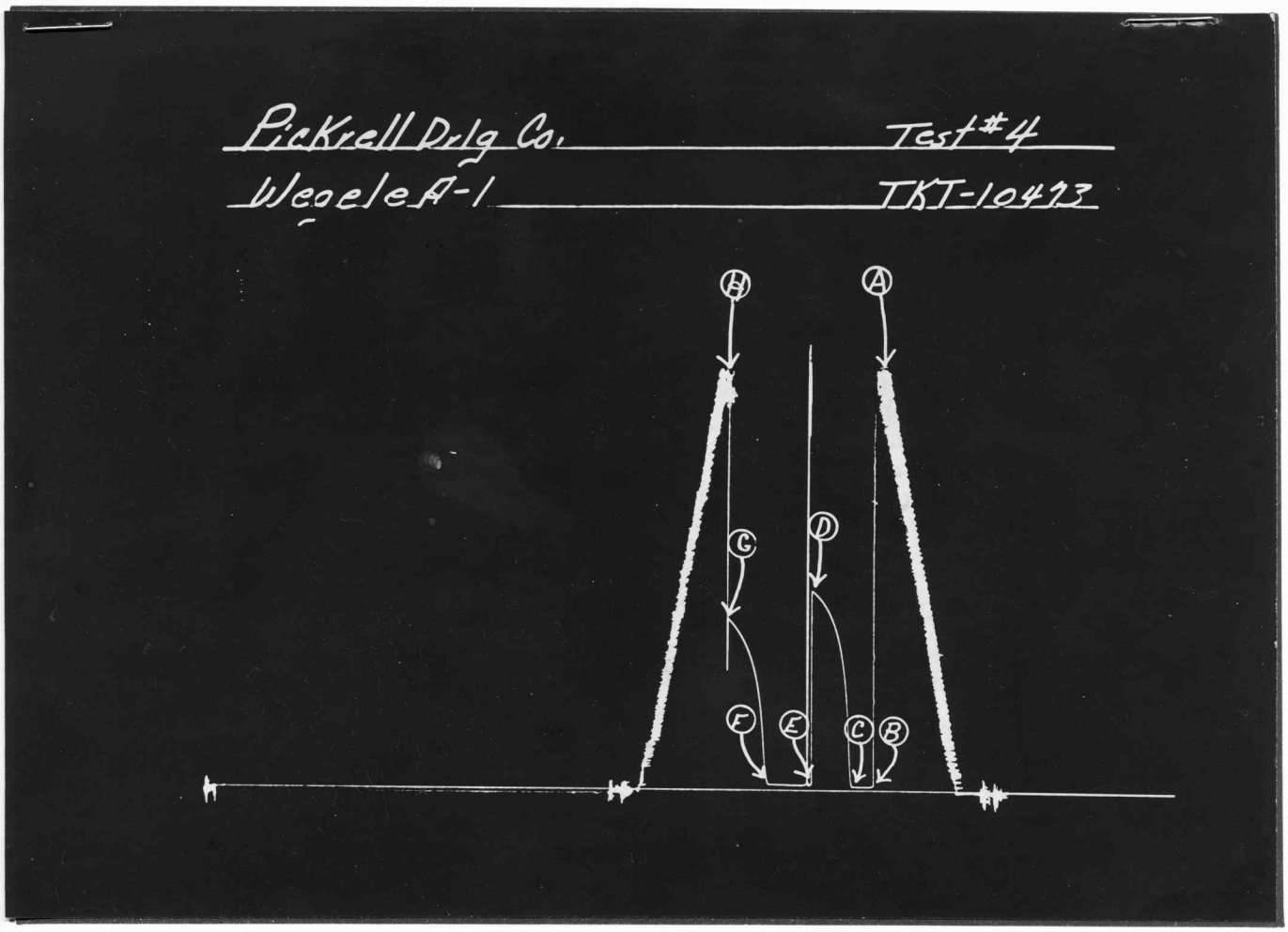
Point Minutes	Press.
0	47
3	387
6	640
9	785
12	881
15	943
18	993
21	1031
24	1064
27	1082
30	1097

Second Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of -- Min.

Point Minutes	Press.
0	56
5	58
10	58
15	58
20	58
25	58
30	58

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

Point Minutes	Press.
0	58
3	187
6	477
9	620
12	719
15	779
18	833
21	875
24	908
27	927
30	946



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2282	2280	PSI
(B)	First Initial Flow Pressure	41	47	PSI
(C)	First Final Flow Pressure	41	47	PSI
(D)	Initial Closed-in Pressure	1101	1097	PSI
(E)	Second Initial Flow Pressure	52	56	PSI
(F)	Second Final Flow Pressure	52	58	PSI
(G)	Final Closed-in Pressure	945	946	PSI
(H)	Final Hydrostatic Mud	2271	2263	PSI

COMPANY Pickrell Drlg. Co. LEASE AND WELL NO. Wegele A#1 SEC. 22 TWP. 18S RGE. 22W TEST NO. 4 DATE 3-14-68

WESTERN TESTERS

Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Pickrell Drlg. Co. Lease & Well No. Wegele A#1

Elevation 2173 Kelly Bushing Formation Cherokee Effective Pay 6 Ft. Ticket No. 10474

Date 3-15-68 Sec. 22 Twp. 18s Range 22w County Ness State Kansas

Test Approved by Dan Bowles Western Representative Dean Blagrave

Formation Test No. 5 O.K. X Misrun Interval Tested From 4223' to 4246' Total Depth 4332'

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

Packer Depth 4219 Ft. Size 6 3/4 Packer Depth 4223 Ft. Size 6 3/4

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

Packer Depth 4246 Ft. Size 6 3/4"

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

RECORDERS Depth 4228 Ft. Clock No. 8475 Depth 4231 Ft. Clock No. 6774

Top Make Amerada Cap. 4150 No. 2606 Inside Outside Bottom Make Amerada Cap. 4300 No. 1567 Inside Outside

Below Straddle: Depth 4254 Clock No. 158 Inside Outside Depth 4329 Ft. Clock No. 148 Inside Outside

Top Make WTC Cap. 3600 No. 30 Inside Outside Bottom Make WTC Cap. 3600 No. 47 Inside Outside

Time Set Packer 8:03 A. M

Tool Open I.F.P. From 8:05 M. to 8:10 AM. Hr. 5 Min. From (B) 62 P.S.I. To (C) 89 P.S.I.

Tool Closed I.C.I.P. From 8:10 M. to 8:40 AM. Hr. 30 Min. (D) 1278 P.S.I.

Tool Open F.F.P. From 8:40 M. to 10:40 AM. 2 Hr. -- Min. From (E) 133 P.S.I. To (F) 518 P.S.I.

Tool Closed F.C.I.P. From 10:40 M. to 11:40 AM. 1 Hr. -- Min. (G) 997 P.S.I.

Initial Hydrostatic Pressure (A) 2236 P.S.I. Final Hydrostatic Pressure (H) 2216 P.S.I.

SURFACE INFORMATION	Size Choke	Max. Press. P.S.I.	Time	Description of Flow
	1/4 In.		M.	
			M.	
			M.	

BLOW Strong throughout. Bottom Choke Size 3/4 In.

Did Well Flow Yes X No Recovery Total Ft. 650 feet gas in pipe: 1450 feet oil and muddy oil.

Reversed Out X Yes No Mud Type starch Viscosity 51 Weight 10 Water Loss 9.6 cc. Maximum Temp. 117 °F

Type Circ. Sub. plug Did Tool Plug? no Jars: Size no Make Ser. No.

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Did Packer Hold? yes Where?

Length Drill Pipe ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 935 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.

I. D. Drill Collars in. Length D.S.T. Tool 122 ft.

Remarks

WESTERN TESTING CO., INC.
Pressure Data

Date 3-15-68 Test Ticket No. 10474

Recorder No. 2606 Capacity 4150 Location 4228 Ft.

Clock No. 8475 Elevation 2173 Kelly Bushing Well Temperature 117 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2236 P.S.I.	Opened Tool	8:03 A. M	
B First Initial Flow Pressure	62 P.S.I.	First Flow Pressure	5 Mins.	6 Mins.
C First Final Flow Pressure	89 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	1278 P.S.I.	Second Flow Pressure	120 Mins.	114 Mins.
E Second Initial Flow Pressure	133 P.S.I.	Final Closed-in Pressure	60 Mins.	57 Mins.
F Second Final Flow Pressure	518 P.S.I.			
G Final Closed-in Pressure	997 P.S.I.			
H Final Hydrostatic Mud	2216 P.S.I.			

PRESSURE BREAKDOWN

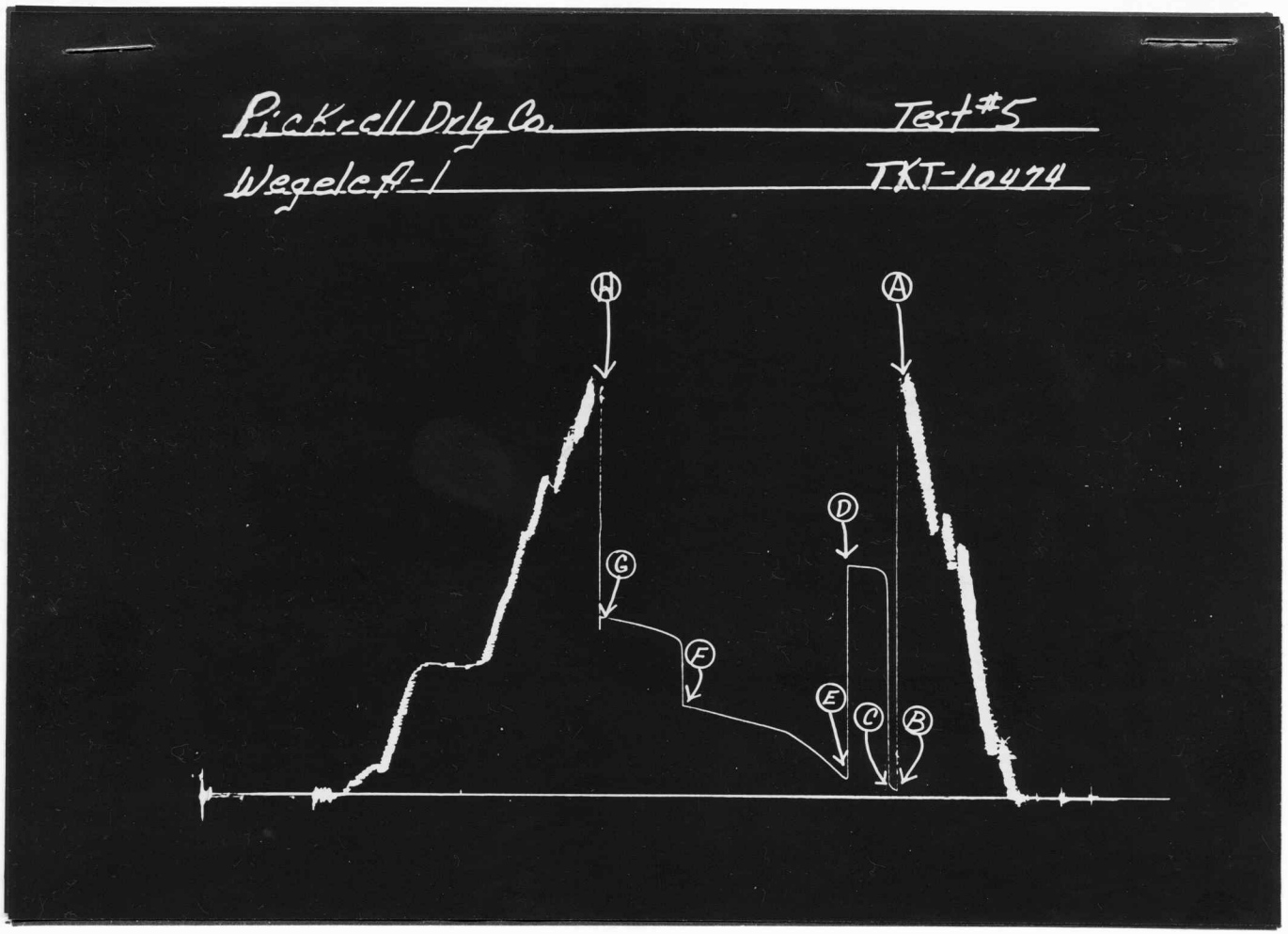
First Flow Press. Breakdown: 1 Inc. of 5 mins. and a final inc. of 1 Min.

Initial Shut-In Breakdown: 10 Inc. of 3 mins. and a final inc. of 00 Min.

Second Flow Pressure Breakdown: 22 Inc. of 5 mins. and a final inc. of 4 Min.

Final Shut-In Breakdown: 19 Inc. of 3 mins. and a final inc. of 00 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	62	0	89	0	133	0	518
P 2 5	83	3	1105	5	141	3	871
P 3 6	89	6	1248	10	183	6	887
P 4		9	1260	15	218	9	900
P 5		12	1264	20	253	12	910
P 6		15	1267	25	287	15	920
P 7		18	1271	30	317	18	929
P 8		21	1273	35	343	21	935
P 9		24	1275	40	370	24	941
P10		27	1277	45	382	27	950
P11		30	1278	50	393	30	956
P12				55	405	33	960
P13				~~60~~	~~414~~	~~36~~	~~966~~
P14				65	426	39	970
P15				70	433	42	976
P16				~~75~~	~~443~~	~~45~~	~~981~~
P17				80	454	48	985
P18				85	466	51	990
P19				~~90~~	~~477~~	~~54~~	~~993~~
P20				95	486	57	997
				100	495		
				~~105~~	~~506~~		
				110	514		
				114	518		



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2240	2236	PSI
(B)	First Initial Flow Pressure	62	62	PSI
(C)	First Final Flow Pressure	83	89	PSI
(D)	Initial Closed-in Pressure	1277	1278	PSI
(E)	Second Initial Flow Pressure	135	133	PSI
(F)	Second Final Flow Pressure	510	518	PSI
(G)	Final Closed-in Pressure	997	997	PSI
(H)	Final Hydrostatic Mud	2229	2216	PSI

COMPANY Pickrell Drlg. Co. LEASE AND WELL NO. Wegele #1 SEC. 22 TWP. 10S RGE. 22W TEST NO. 5 DATE 3-15-68