WESTERN TESTERS

Home Office: Great Bend, Kansas

P. O. Box 793 GLadstone 3-7903

Company Pickrell Drilling Com pany Lease & Well No. Wells #D-1

Elevation 2237 Derrick Floor; Formation - Ft. Scott Ticket Number 5582

Date April 26, 1965 Sec. 25 Twp. 20 Range 21 County Ness State Kansas

Test Approved by Ralph W. Ruwwe Western Representative Jack Toelkes

Formation Test No. 1 O.K. x Misrun _____ Interval Tested From 4290' to 4330' Total Depth 4330'

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 4285 Ft. Size 6 3/4 Packer Depth 4290 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 40 Ft. Size 5½ OD

RECORDERS Depth 4320 Ft Clock No. 6774 Depth 4323 Ft. Clock No. 147

Top Make Amerada Cap. 4382 No. 1567 Inside Outside Bottom Make Western Cap. 3600 No. 30 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 6:58 A M

Tool Open I.F.P. From 7:00 M to 7:05 M Hr. 5 Min. From (B) 36 P.S.I. To (C) 36 P.S.I.

Tool Closed I.C.I.P. From 7:05 M. to 7:35 M. Hr. 30 Min. (D) 56 P.S.I.

Tool Open F.F.P. From 7:35 M. to 8:20 M. Hr. 45 Min. From (E) 36 P.S.I. To (F) 41 P.S.I.

Tool Closed F.C.I.P. From 8:20 M. to 8:50 M. Hr. 30 Min. (G) 41 P.S.I.

Inital Hydrostatic Pressure (A) 2319 P.S.I. Final Hydrostatic Pressure (H) 2301 P.S.I.

SURFACE INFORMATION Size Choke 3/4 In. Max. Press. P.S.I. Time Description of Flow

_____ _____ _____ M. _____

_____ _____ _____ M. _____

_____ _____ _____ M. _____

BLOW Very weak five minutes.

Did Well Flow _____ Yes x No Recovery Total Ft. 10' mud Bottom Choke Size 3/4 in.

Reversed Out _____ Yes x No Mud Type starch Viscosity 41 Weight 10 Maximum Temp. 115 °F Mud

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

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

Length Drill Pipe 3220 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 1050 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.

I. D. Drill Collars _____ in. Length D. S. T. Tool 60 ft.

Remarks Flushed tool after twenty minutes.

WHELAN PRINTERS

WESTERN TESTING CO., INC.
Pressure Data

Date April 26, 1965 Test Ticket No. 5582

Recorder No. 1567 Capacity 4300 Location 4320 Ft.

Clock No. 6774 Elevation 2237 Derrick Floor Well Temperature 115 °F

Point		Pressure	
A	Initial Hydrostatic Mud	2319	P.S.I.
B	First Initial Flow Pressure	36	P.S.I.
C	First Final Flow Pressure	36	P.S.I.
D	Initial Closed-in Pressure	56	P.S.I.
E	Second Initial Flow Pressure	36	P.S.I.
F	Second Final Flow Pressure	41	P.S.I.
G	Final Closed-in Pressure	41	P.S.I.
H	Final Hydrostatic Mud	2301	P.S.I.

	Time Given	Time Computed
Opened Tool	6:58A M	
First Flow Pressure	5 Mins.	5 Mins.
Initial Closed-in Pressure	30 Mins.	30 Mins.
Second Flow Pressure	45 Mins.	45 Mins.
Final Closed-in Pressure	30 Mins.	30 Mins.

PRESSURE BREAKDOWN

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

Point	Mins.	Press.
P 1	0	36
P 2	5	36
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.

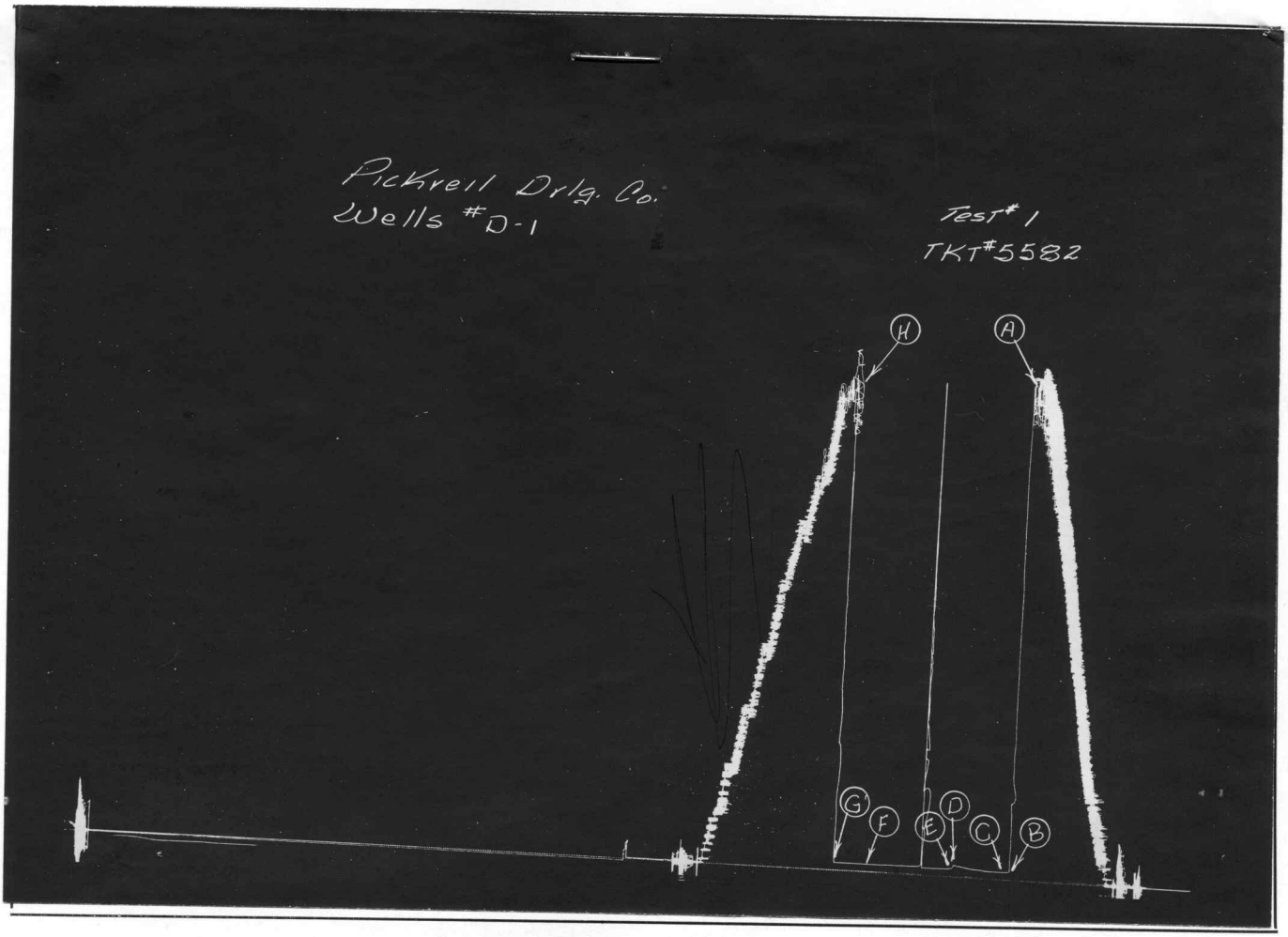
Point	Minutes	Press.
P 1	0	36
P 2	3	36
P 3	6	36
P 4	9	36
P 5	12	38
P 6	15	42
P 7	18	45
P 8	21	49
P 9	24	51
P10	27	54
P11	30	56
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Second Flow Pressure
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point	Minutes	Press.
P 1	0	36
P 2	5	36
P 3	10	36
P 4	15	36
P 5	20	36
P 6	25	41
P 7	30	41
P 8	35	41
P 9	40	41
P10	45	41
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

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

Point	Minutes	Press.
P 1	0	41
P 2	3	41
P 3	6	41
P 4	9	41
P 5	12	41
P 6	15	41
P 7	18	41
P 8	21	41
P 9	24	41
P10	27	41
P11	30	41
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		



This is an actual photograph of recorder chart.

POINT		PRESSURE	
(A)	Initial Hydrostatic Mud	2319	PSI
(B)	First Initial Flow Pressure	36	PSI
(C)	First Final Flow Pressure	36	PSI
(D)	Initial Closed-in Pressure	56	PSI
(E)	Second Initial Flow Pressure	36	PSI
(F)	Second Final Flow Pressure	41	PSI
(G)	Final Closed-in Pressure	41	PSI
(H)	Final Hydrostatic Mud	2301	PSI

WESTERN TESTERS

Home Office: Great Bend, Kansas

P. O. Box 793 GLadstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Wells D-1

Elevation 2237 Derrick Floor;Formation - Miss. Ticket Number 5583

Date April 26,1965 Sec. 25 Twp. 20 Range 21 County Ness State Kansas

Test Approved by Ralph W. Ruwwe Western Representative Jack Toelkes

Formation Test No. 2 O.K. x Misrun ____ Interval Tested From 4350' to 4385' Total Depth 4385'

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

Straddle ____ Yes x No ____ Packer Depth 4345' Ft. Size 6 3/4 Packer Depth 4350 Ft. Size 6 3/4

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

Packer Depth ____ Ft Size ____

Tool Size 5½ OD Tool Jt. Size 4½ FH Anchor Length 35 Ft. Size 5½ OD

RECORDERS Depth 4375 Ft Clock No. 6774 Depth 4378 Ft. Clock No. 147

Top Make Amerada Cap. 4382 No. 1567 Inside ~~Outside~~ Bottom Make Western Cap. 3600 No. 30 ~~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 11:10 P M

Tool Open I.F.P. From 11:12P M to 11:17 M Hr. ____ 5 Min. From (B) 34 P.S.I. To (C) 34 P.S.I.

Tool Closed I.C.I.P. From 11:17P M. to 11:47P M. Hr. 30 Min. (D) 631 P.S.I.

Tool Open F.F.P. From 11:47 M. to 12:47 M. 1 Hr. ____ Min. From (E) 36 P.S.I. To (F) 41 P.S.I.

Tool Closed F.C.I.P. From 12:47A M. to 1:17A M. Hr. 30 Min. (G) 75 P.S.I.

Inital Hydrostatic Pressure (A) 2321 P.S.I. Final Hydrostatic Pressure (H) 2314 P.S.I.

SURFACE INFORMATION Size Choke 3/4 In. Max. Press. P.S.I. Time Description of Flow

____ ____ ____ M. ____

____ ____ ____ M. ____

____ ____ ____ M. ____

BLOW Weak five minutes.

Did Well Flow ____ Yes x No Recovery Total Ft. 20' mud with oil scum Bottom Choke Size ____ in.

Reversed Out ____ Yes x No Mud Type starch Viscosity 46 Weight 9.8 Mud

EXTRA EQUIPMENT: Dual Packers yes Safety Joint ____ Jars: Size ____ Make ____ Ser. No. ____ Maximum Temp. 117 °F

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

Length Drill Pipe 3280 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 1050 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ____ ft.

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

Remarks Flushed tool after thirty minutes.

WHELAN PRINTERS

WESTERN TESTING CO., INC.
Pressure Data

Date April 26, 1965 Test Ticket No. 5583

Recorder No. 1567 Capacity 4300 Location 4375 Ft.

Clock No. 6774 Elevation 2237 Derrick Floor Well Temperature 117 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2321	P.S.I.	Opened Tool 11:10 P M	
B First Initial Flow Pressure	34	P.S.I.	First Flow Pressure 5 Mins.	5 Mins.
C First Final Flow Pressure	34	P.S.I.	Initial Closed-in Pressure 30 Mins.	30 Mins.
D Initial Closed-in Pressure	631	P.S.I.	Second Flow Pressure 60 Mins.	60 Mins.
E Second Initial Flow Pressure	36	P.S.I.	Final Closed-in Pressure 30 Mins.	27 Mins.
F Second Final Flow Pressure	41	P.S.I.		
G Final Closed-in Pressure	75	P.S.I.		
H Final Hydrostatic Mud	2314	P.S.I.		

PRESSURE BREAKDOWN

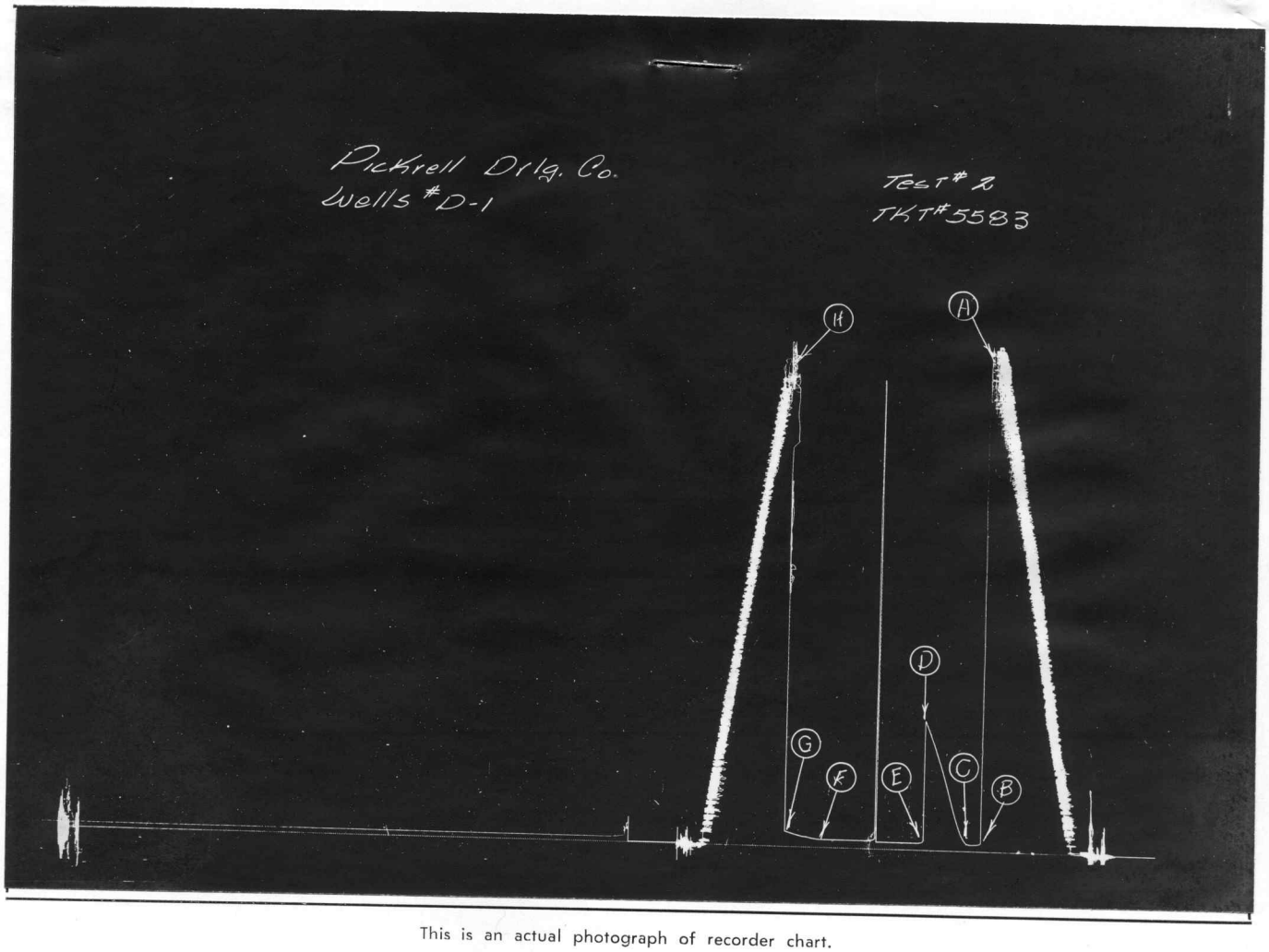
First Flow Press.
Breakdown: 1 Inc.
of 5 mins. and a
final inc. of 0 Min.

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

Second Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 9 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	34	0	34	0	36	0	41
P 2 5	34	3	54	5	36	3	41
P 3		6	99	10	36	6	43
P 4		9	168	15	36	9	45
P 5		12	239	20	36	12	49
P 6		15	313	25	36	15	54
P 7		18	393	30	36	18	58
P 8		21	454	35	41	21	64
P 9		24	521	40	41	24	71
P10		27	575	45	41	27	75
P11		30	631	50	41		
P12				55	41		
P13				60	41		
P14							
P15							
P16							
P17							
P18							
P19							
P20							



This is an actual photograph of recorder chart.

POINT		PRESSURE	
(A)	Initial Hydrostatic Mud	2321	PSI
(B)	First Initial Flow Pressure	34	PSI
(C)	First Final Flow Pressure	34	PSI
(D)	Initial Closed-in Pressure	631	PSI
(E)	Second Initial Flow Pressure	36	PSI
(F)	Second Final Flow Pressure	41	PSI
(G)	Final Closed-in Pressure	75	PSI
(H)	Final Hydrostatic Mud	2314	PSI

Home Office: Great Bend, Kansas

P. O. Box 793 GLadstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Wells #D-1

Elevation 2237 Derrick Floor;Formation - Miss. Ticket Number 5584

Date April 27,1965 Sec. 25 Twp. 20 Range 21 County Ness State Kansas

Test Approved by Ralph W. Ruwwe Western Representative Jack Toelkes

Formation Test No. 3 O.K. x Misrun ____ Interval Tested From 4385' to 4395' Total Depth 4395'

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 4380 Ft. Size 6 3/4 Packer Depth 4385 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 10 Ft. Size 5½ OD

RECORDERS Depth 4389 Ft Clock No. 6774 Depth 4392 Ft. Clock No. 147

Top Make Amerada Cap. 4382 No. 1567 Inside ~~Outside~~ Bottom Make Western Cap. 3600 No. 30 ~~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 10:13 A M

Tool Open I.F.P. From 10:15A M to 10:20 M Hr. 5 Min. From (B) 19 P.S.I. To (C) 19 P.S.I.

Tool Closed I.C.I.P. From 10:20 M. to 10:50 M. Hr. 30 Min. (D) 1346 P.S.I.

Tool Open F.F.P. From 10:50A M. to 12:50A M. 2 Hr. ____ Min. From (E) 30 P.S.I. To (F) 53 P.S.I.

Tool Closed F.C.I.P. From 12:50A M. to 1:20P M. Hr. 30 Min. (G) 1187 P.S.I.

Inital Hydrostatic Pressure (A) 2366 P.S.I. Final Hydrostatic Pressure (H) 2354 P.S.I.

SURFACE INFORMATION	Size Choke	Max. Press. P.S.I.	Time	Description of Flow
	3/4 In.		M.	
			M.	
			M.	

BLOW Weak throughout. Bottom Choke Size 3/4 in.

Did Well Flow ____ Yes x No Recovery Total Ft. 60' gas in pipe; 15' froggy oil; 40' free oil; 60' oil cut mud.

Reversed Out ____ Yes x No Mud Type starch Viscosity 46 Weight 9.8 Maximum Temp. 122 °F

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

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

Length Drill Pipe 3315 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 1050 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

Western clock stopped on bottom.

WHELAN PRINTERS

WESTERN TESTING CO., INC.
Pressure Data

Date April 27, 1965 — Test Ticket No. 5584

Recorder No. 1567 — Capacity 4300 — Location 4389 Ft.

Clock No. 6774 — Elevation 2237 Derrick Floor — Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2366 P.S.I.	Opened Tool	10:13 A M	
B First Initial Flow Pressure	19 P.S.I.	First Flow Pressure	5 Mins.	5 Mins.
C First Final Flow Pressure	19 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	1346 P.S.I.	Second Flow Pressure	120 Mins.	120 Mins.
E Second Initial Flow Pressure	30 P.S.I.	Final Closed-in Pressure	30 Mins.	28 Mins.
F Second Final Flow Pressure	53 P.S.I.			
G Final Closed-in Pressure	1187 P.S.I.			
H Final Hydrostatic Mud	2354 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	19
P 2 5	19
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.

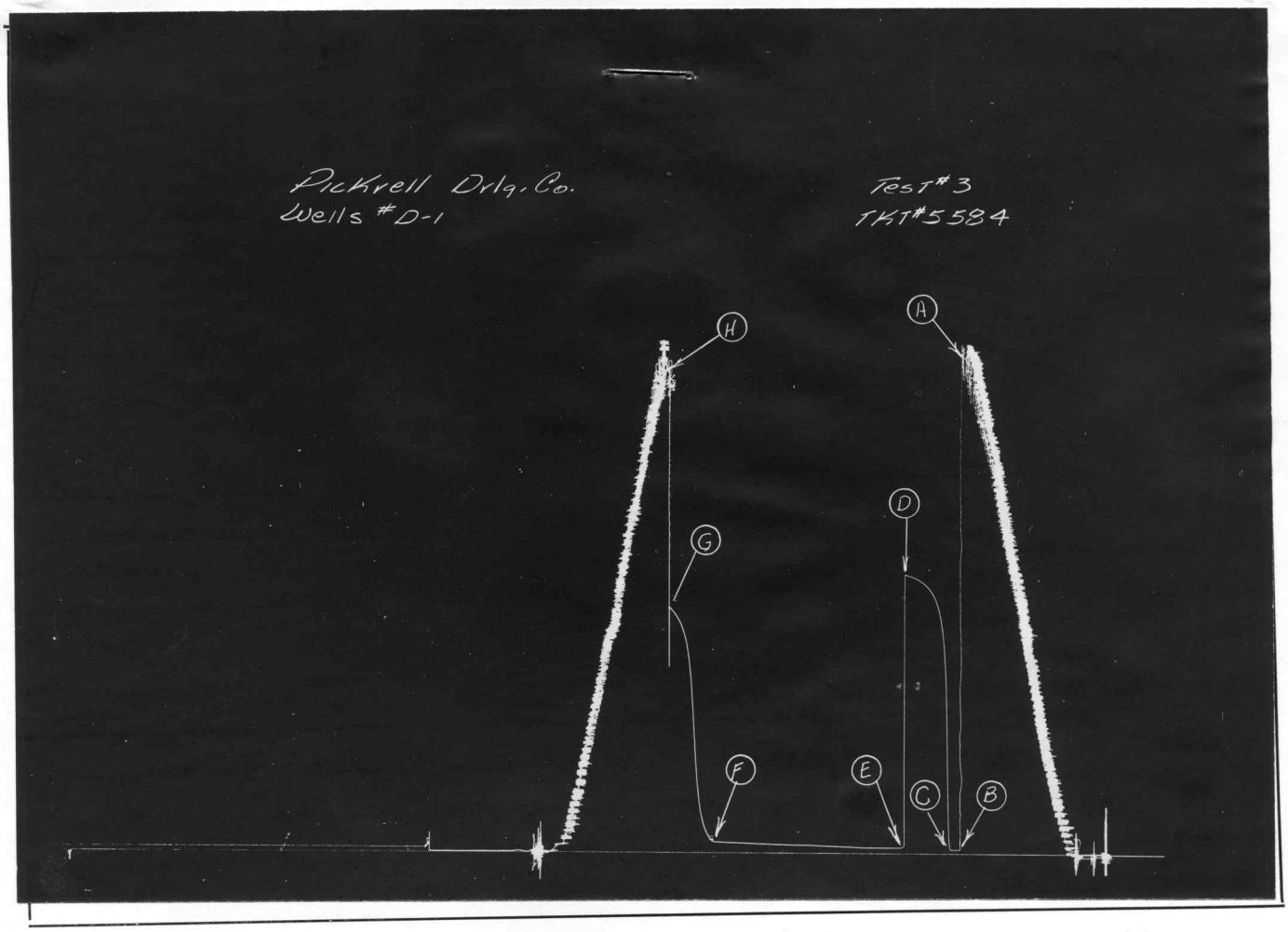
Point Minutes	Press.
0	19
3	816
6	1113
9	1208
12	1258
15	1288
18	1307
21	1325
24	1335
27	1342
30	1346

Second Flow Pressure
Breakdown: 24 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	30
5	30
10	30
15	31
20	31
25	32
30	32
35	33
40	34
45	34
50	35
60	38
65	39
70	40
75	40
80	41
85	43
90	45
95	46
100	47
105	48
110	49
115	51
120	53

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

Point Minutes	Press.
0	53
3	86
6	146
9	280
12	598
15	917
18	1045
21	1120
24	1154
27	1178
28	1187



This is an actual photograph of recorder chart.

POINT		PRESSURE
(A)	Initial Hydrostatic Mud	2366 PSI
(B)	First Initial Flow Pressure	19 PSI
(C)	First Final Flow Pressure	19 PSI
(D)	Initial Closed-in Pressure	1346 PSI
(E)	Second Initial Flow Pressure	30 PSI
(F)	Second Final Flow Pressure	53 PSI
(G)	Final Closed-in Pressure	1187 PSI
(H)	Final Hydrostatic Mud	2354 PSI

WESTERN TESTERS

Home Office: Great Bend, Kansas

P. O. Box 793 GLadstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Wells D-1

Elevation 2237 Derrick Floor;Formation - Miss. Ticket Number 5585

Date April 27,1965 Sec. 25 Twp. 20 Range 21 County Ness State Kansas

Test Approved by Ralph W. Ruwwe Western Representative Jack Toelkes

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Formation Test No. 4 O.K. x Misrun ____ Interval Tested From 4395' to 4405' Total Depth 4405'

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 4390 Ft. Size 6 3/4 Packer Depth 4395 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 10 Ft. Size 5½ OD

RECORDERS Depth 4399 Ft Clock No. 6774 Depth 4402 Ft. Clock No. 151

Top Make Amerada Cap. 4382 No. 1567 Inside Outside Bottom Make Western Cap. 3600 No. 30 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 10:33 P M

Tool Open I.F.P. From 10:35P M to 10:40 M Hr. 5 Min. From (B) 21 P.S.I. To (C) 21 P.S.I.

Tool Closed I.C.I.P. From 10:40P M. to 11:10P M. Hr. 30 Min. (D) 1363 P.S.I.

Tool Open F.F.P. From 11:10P M. to 1:10A M. 2 Hr. Min. From (E) 38 P.S.I. To (F) 134 P.S.I.

Tool Closed F.C.I.P. From 1:10A M. to 1:40A M. Hr. 30 Min. (G) 1294 P.S.I.

Inital Hydrostatic Pressure (A) 2407 P.S.I. Final Hydrostatic Pressure (H) 2376 P.S.I.

SURFACE INFORMATION Size Choke 3/4 In. Max. Press. P.S.I. Time Description of Flow

M. M. 37 Gravity Corrected M.

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

Did Well Flow ____ Yes x No Recovery Total Ft. 200' oil; 75' very heavy oil cut mud; 60' thin watery oil cut mud ; 400' gas in pipe.

Reversed Out ____ Yes x No Mud Type starch Viscosity 51 Weight 10 Maximum Temp. 125 °F Mud

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

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

Length Drill Pipe 3325 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 1050 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

WESTERN TESTING CO., INC.
Pressure Data

Date April 27, 1965 — Test Ticket No. 5585

Recorder No. 1567 — Capacity 4300 — Location 4399 Ft.

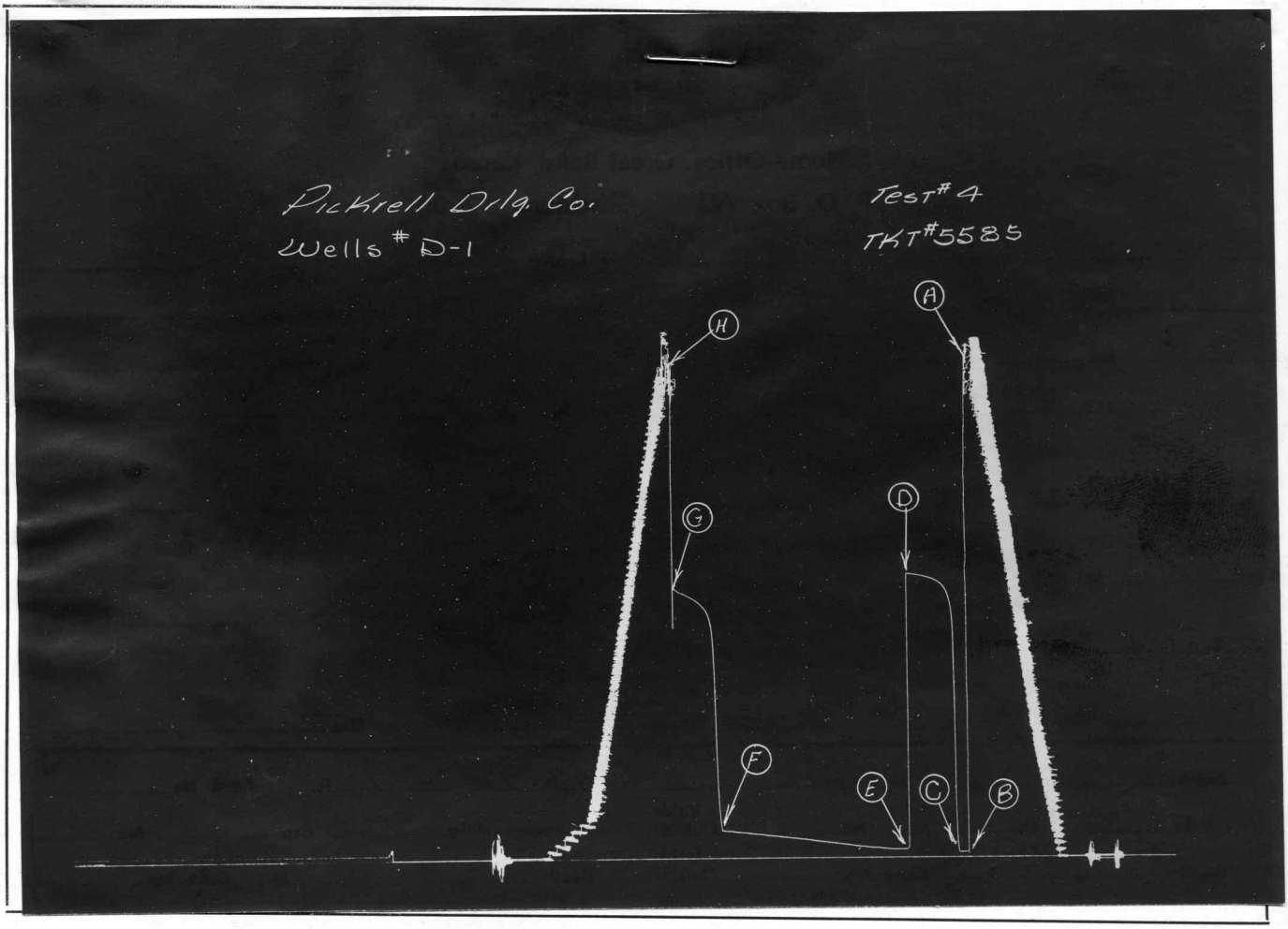
Clock No. 6774 — Elevation 2237 Derrick Floor — Well Temperature 125 °F

Point		Pressure
A	Initial Hydrostatic Mud	2407 P.S.I.
B	First Initial Flow Pressure	21 P.S.I.
C	First Final Flow Pressure	21 P.S.I.
D	Initial Closed-in Pressure	1363 P.S.I.
E	Second Initial Flow Pressure	38 P.S.I.
F	Second Final Flow Pressure	134 P.S.I.
G	Final Closed-in Pressure	1294 P.S.I.
H	Final Hydrostatic Mud	2376 P.S.I.

	Time Given	Time Computed
Opened Tool	10:33 P M	
First Flow Pressure	5 Mins.	5 Mins.
Initial Closed-in Pressure	30 Mins.	30 Mins.
Second Flow Pressure	120 Mins.	117 Mins.
Final Closed-in Pressure	30 Mins.	30 Mins.

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 1 Inc.		Breakdown: 10 Inc.		Breakdown: 23 Inc.		Breakdown: 10 Inc.	
of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 2 Min.		final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	21	0	21	0	38	0	134
P 2 5	21	3	596	5	40	3	504
P 3		6	1262	10	41	6	1025
P 4		9	1303	15	43	9	1174
P 5		12	1327	20	47	12	1215
P 6		15	1340	25	49	15	1238
P 7		18	1346	30	54	18	1253
P 8		21	1353	35	60	21	1264
P 9		24	1357	40	64	24	1275
P10		27	1361	45	69	27	1281
P11		30	1363	50	76	30	1294
P12				55	79		
P13				60	86		
P14				65	90		
P15				70	95		
P16				75	99		
P17				80	103		
P18				85	108		
P19				90	112		
P20				95	116		
				100	120		
				105	125		
				110	129		
				115	132		
				117	134		



This is an actual photograph of recorder chart.

POINT		PRESSURE
(A)	Initial Hydrostatic Mud	2407 PSI
(B)	First Initial Flow Pressure	21 PSI
(C)	First Final Flow Pressure	21 PSI
(D)	Initial Closed-in Pressure	1363 PSI
(E)	Second Initial Flow Pressure	38 PSI
(F)	Second Final Flow Pressure	134 PSI
(G)	Final Closed-in Pressure	1294 PSI
(H)	Final Hydrostatic Mud	2376 PSI

WESTERN TESTERS

Home Office: Great Bend, Kansas

P. O. Box 793 GLadstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Wells D-1

Elevation 2237 Derrick Floor; Formation - Miss. Ticket Number 5586

Date April 28, 1965 Sec. 25 Twp. 20 Range 21 County Ness State Kansas

Test Approved by Ralph W. Ruwwe Western Representative Jack Toelkes

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Formation Test No. 5 O.K. X Misrun ____ Interval Tested From 4405' to 4415' Total Depth ~~4414~~ 4415

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 4400 Ft. Size 6 3/4 Packer Depth 4405 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 10 Ft. Size 5½ OD

RECORDERS Depth 4409 Ft Clock No. 6774 Depth 4412 Ft. Clock No. 151

Top Make Amerada Cap. 4382 No. 1567 Inside Outside Bottom Make Western Cap. 3600 No. 30 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 11:33 A M

Tool Open I.F.P. From 11:35A M to 11:40 M Hr. 5 Min. From (B) Initial Flow Pressure Inconclusive P.S.I. To (C) ____ P.S.I.

Tool Closed I.C.I.P. From 11:40A M. to 12:10 M. Hr. 30 Min. (D) 1400 P.S.I.

Tool Open F.F.P. From 12:10P M. to 2:10P M. 2 Hr. ____ Min. From (E) 363 To (F) 790 P.S.I.

Tool Closed F.C.I.P. From 2:10P M. to 2:40P M. Hr. 30 Min. (G) 1392 P.S.I.

Inital Hydrostatic Pressure (A) 2414 P.S.I. Final Hydrostatic Pressure (H) 2401 P.S.I.

SURFACE INFORMATION Size Choke 3/4 In. Max. Press. P.S.I. Time Description of Flow

____ ____ ____ M. ____

____ ____ ____ M. ____

____ ____ ____ M. ____

BLOW Strong on Pre flow; died after fifteen minutes on F.F.T.(See Remarks) Bottom Choke Size 3/4 in.

Did Well Flow ____ Yes X No Recovery Total Ft. 15' gas in pipe; 105' oil cut mud; 540' oil cut water (25% oil 1140' salt water Mud

Reversed Out ____ Yes X No Mud Type starch Viscosity 49 Weight 10 Maximum Temp. 128 °F

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

Type Circ. Sub. plug Did Tool Plug? partial Where? anchor Did Packer Hold? yes

Length Drill Pipe 3335 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 1050 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 tool after twenty minutes. Strong, decreasing to fair remainder of test.

WHELAN PRINTERS

WESTERN TESTING CO., INC.
Pressure Data

Date April 28, 1965 — Test Ticket No. 5586

Recorder No. 1567 — Capacity 4300 — Location 4409 Ft.

Clock No. 6774 — Elevation 2237 Derrick Floor — Well Temperature 128 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2414 P.S.I.	Opened Tool	11:33 A M	
B	First Initial Flow Pressure	= P.S.I.	First Flow Pressure	5 Mins.	5 Mins.
C	First Final Flow Pressure	= P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	1400 P.S.I.	Second Flow Pressure	120 Mins.	120 Mins.
E	Second Initial Flow Pressure	363 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F	Second Final Flow Pressure	790 P.S.I.			
G	Final Closed-in Pressure	1392 P.S.I.			
H	Final Hydrostatic Mud	2401 P.S.I.			

PRESSURE BREAKDOWN

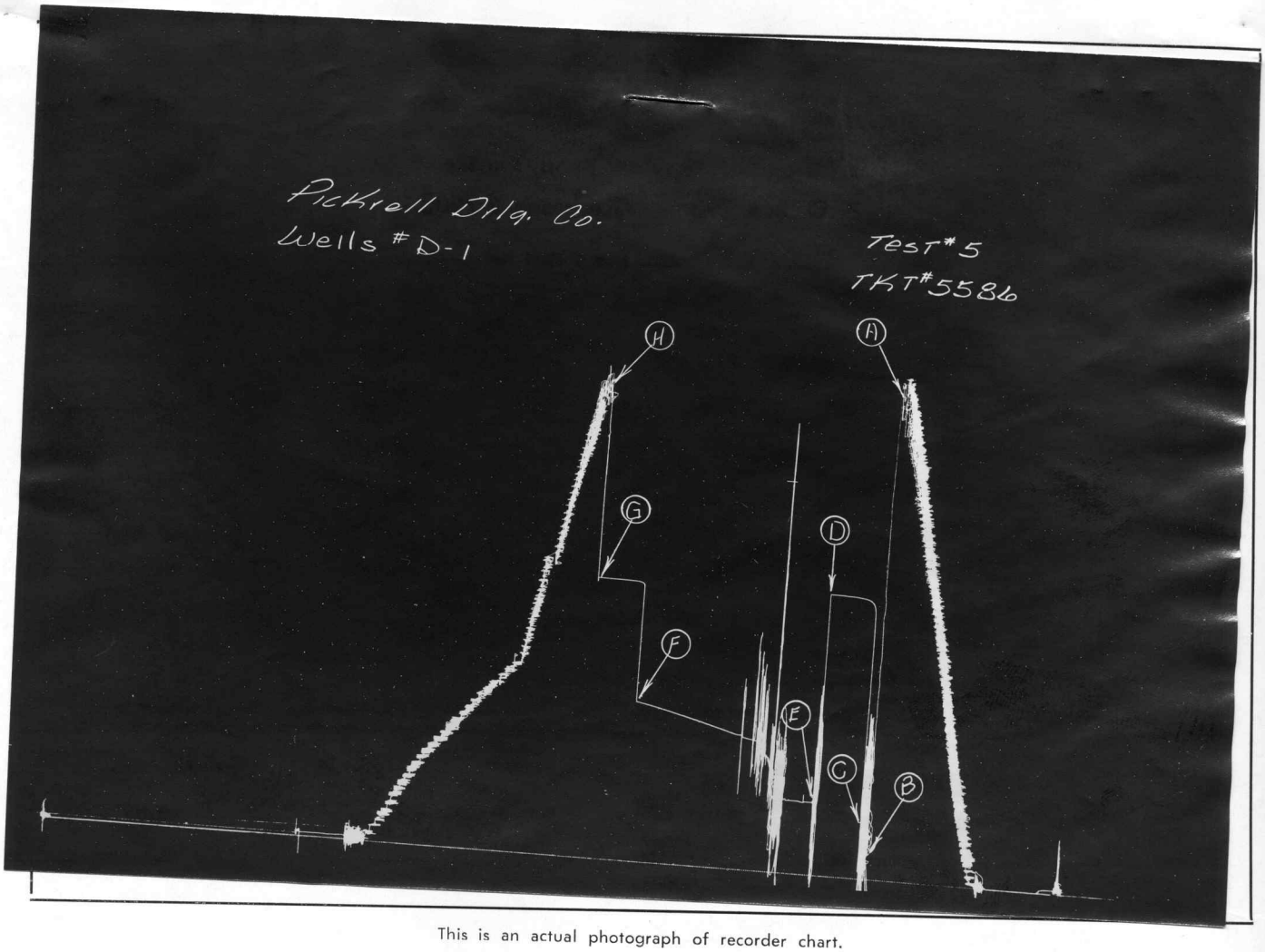
First Flow Press.
Breakdown: - Inc.
of ____ mins. and a
final inc. of ____ Min.

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

Second Flow Pressure
Breakdown: 24 Inc.
of 5 mins. and a
final inc. of 0 Min.

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

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1		0	=	0	363	0	790
P 2		3	1376	5	=	3	1389
P 3		6	1389	10	=	6	1390
P 4		9	1394	15	=	9	1392
P 5		12	1396	20	=	12	1392
P 6		15	1398	25	=	15	1392
P 7		18	1399	30	=	18	1392
P 8		21	1400	35	=	21	1392
P 9		24	1400	40	=	24	1392
P10		27	1400	45	648	27	1392
P11		30	1400	50	652	30	1392
P12	No breakdowns were made on First flow or 40 minutes of second flow due to plugging action.			55	672		
P13				60	684		
P14				65	693		
P15				70	704		
P16				75	712		
P17				80	723		
P18				85	732		
P19				90	742		
P20				95	751		
				100	762		
				105	771		
				110	779		
				115	784		
				120	790		



This is an actual photograph of recorder chart.

POINT		PRESSURE
(A)	Initial Hydrostatic Mud	2414 PSI
(B)	First Initial Flow Pressure	= PSI
(C)	First Final Flow Pressure	= PSI
(D)	Initial Closed-in Pressure	1400 PSI
(E)	Second Initial Flow Pressure	363 PSI
(F)	Second Final Flow Pressure	790 PSI
(G)	Final Closed-in Pressure	1392 PSI
(H)	Final Hydrostatic Mud	2401 PSI