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

Company Pickrell Drilling Company Lease & Well No. Smith #G-1

Elevation 2219 Kelly Bushings Formation Mississippi Ticket Number 5101

Date Nov.16,1965 Sec. 1 Twp. 23s Range 23w County Hodgeman State Kansas

Test Approved by Ralph W. Ruwwe Western Representative Dean Blagrave

Formation Test No. 1 O.K. x Misrun ____ Interval Tested From 4412' to 4463' Total Depth 4463'

Size Main Hole 7 5/8 Rat Hole None Conv. ____ B.T. x Damaged ____ Yes ____ x No Conv. x B.T. ____ Damaged ____ Yes x No

Packer Depth 4407 Ft. Size 6 3/4 Packer Depth 4412 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 51 Ft. Size 5½ OD

RECORDERS Depth 4416 Ft. Clock No. 6774 Depth 4419 Ft. Clock No. 158

Top Make Amerada Cap. 4300 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 11:42 A M

Tool Open I.F.P. From 11:45A M to 11:50 M Hr. 5 Min. From (B) 12 P.S.I. To (C) 12 P.S.I.

Tool Closed I.C.I.P. From 11:50A M. to 12:20 M. Hr. 30 Min. (D) 296 P.S.I.

Tool Open F.F.P. From 12:20P M. to 1:10P M. Hr. 50 Min. From (E) 17 P.S.I. To (F) 17 P.S.I.

Tool Closed F.C.I.P. From 1:10P M. to 1:40 M. Hr. 30 Min. (G) 84 P.S.I.

Initial Hydrostatic Pressure (A) 2337 P.S.I. Final Hydrostatic Pressure (H) 2332 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 five minutes. Bottom Choke Size 3/4 In.

Did Well Flow ____ Yes x No Recovery Total Ft. 5' mud

Mud

Reversed Out ____ Yes x No Mud Type starch Viscosity 49 Weight 9.9 Maximum Temp. 121 °F

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

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

Length Drill Pipe ____ ft. I.D. Drill Pipe ____ in Length Weight Pipe 1035 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.

I. D. Drill Collars ____ in. Length D.S.T. Tool 18 ft.

Remarks Flushed at 25 minutes.

Date November 16, 1965 Test Ticket No. 5101

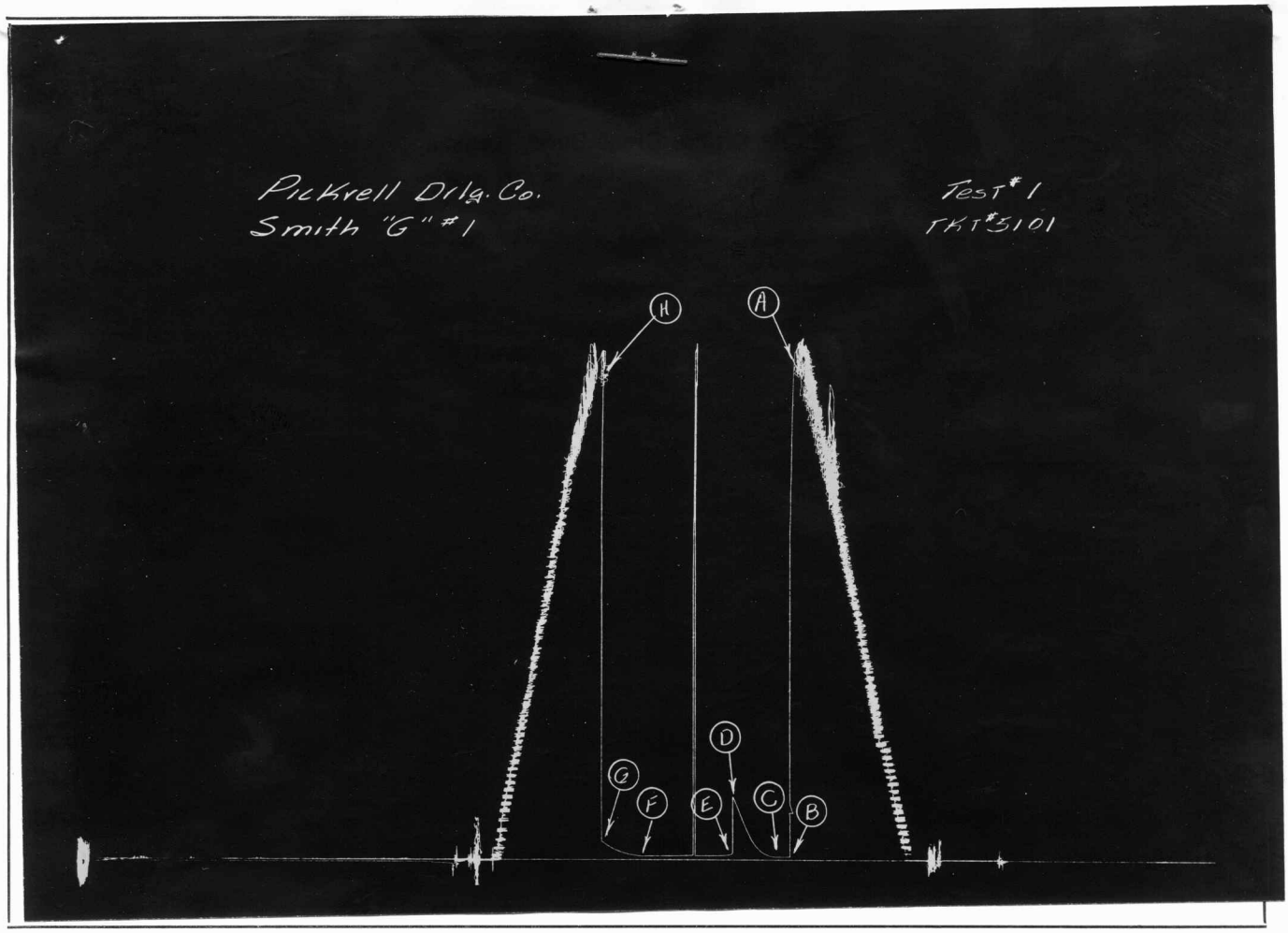
Recorder No. 1567 Capacity 4300 Location 4416 Ft.

Clock No. 6774 Elevation 2219 Kelly Bushings Well Temperature 121 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2337 P.S.I.	Opened Tool	11:42 A M	
B First Initial Flow Pressure	12 P.S.I.	First Flow Pressure	5 Mins.	5 Mins.
C First Final Flow Pressure	12 P.S.I.	Initial Closed-in Pressure	30 Mins.	28 Mins.
D Initial Closed-in Pressure	296 P.S.I.	Second Flow Pressure	50 Mins.	55 Mins.
E Second Initial Flow Pressure	17 P.S.I.	Final Closed-in Pressure	30 Mins.	27 Mins.
F Second Final Flow Pressure	17 P.S.I.			
G Final Closed-in Pressure	84 P.S.I.			
H Final Hydrostatic Mud	2332 P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 1 Inc.		Breakdown: 9 Inc.		Breakdown: 11 Inc.		Breakdown: 9 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 1 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
Point Mins.	**Press.**	**Point Minutes**	**Press.**	**Point Minutes**	**Press.**	**Point Minutes**	**Press.**
P 1 0	12	0	12	0	17	0	17
P 2 5	12	3	14	5	17	3	18
P 3		6	19	10	17	6	19
P 4		9	28	15	17	9	23
P 5		12	45	20	17	12	30
P 6		15	71	25	17	15	36
P 7		18	116	30	17	18	45
P 8		21	164	35	17	21	56
P 9		24	218	40	17	24	69
P10		27	276	45	17	27	84
P11		28	296	50	17		
P12				55	17		
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							



This is an actual photograph of recorder chart.

POINT		PRESSURE	
(A)	Initial Hydrostatic Mud	2337	PSI
(B)	First Initial Flow Pressure	12	PSI
(C)	First Final Flow Pressure	12	PSI
(D)	Initial Closed-in Pressure	296	PSI
(E)	Second Initial Flow Pressure	17	PSI
(F)	Second Final Flow Pressure	17	PSI
(G)	Final Closed-in Pressure	84	PSI
(H)	Final Hydrostatic Mud	2332	PSI

COMPANY PICKRELL DRILLING CO. LEASE AND WELL NO. SMITH #G-1 SEC. 1 TWP. 23S RGE. 23W TEST NO. 1 DATE 11-16-6

WESTERN TESTERS

Home Office: Great Bend, Kansas

P. O. Box 793 SWift 3-7903

Company Pickrell Drilling Company Lease & Well No. Smith #G-1

Elevation 2219 Kelly Bushings Formation Mississippi Ticket Number 5102

Date Nov.17,1965 Sec. 1 Twp. 23s Range 23w County Hodgeman State Kansas

Test Approved by Ralph W. Ruwwe Western Representative Dean Blagrave

Formation Test No. 2 O.K. x Misrun Interval Tested From 4458' to 4467' Total Depth 4467'

Size Main Hole 75/8 Rat Hole none Conv. B.T. x Damaged Yes x No Conv. x B.T. Damaged Yes x No

Packer Depth 4453 Ft. Size 6 3/4 Packer Depth 4458 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 9 Ft. Size 5½ OD

RECORDERS Depth 4461 Ft. Clock No. 6774 Depth 4464 Ft. Clock No. 158

Top Make Amerada Cap. 4300 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 10:57P M

Tool Open I.F.P. From 11:00P M to 11:05 M. Hr. 5 Min. From (B) 23 P.S.I. To (C) 23 P.S.I.

Tool Closed I.C.I.P. From 11:05 to 11:35 M. Hr. 30 Min. (D) 1415 P.S.I.

Tool Open F.F.P. From 11:35P M. to 1:05 M. 1 Hr. 30 Min. From (E) 32 P.S.I. To (F) 73 P.S.I.

Tool Closed F.C.I.P. From 1:05 M. to 1:35 M. Hr. 30 Min. (G) 1279 P.S.I.

Initial Hydrostatic Pressure (A) 2357 P.S.I. Final Hydrostatic Pressure (H) 2332 P.S.I.

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

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

Did Well Flow Yes x No Recovery Total Ft. 120' gas in pipe; 60' clean oil; 125' very heavy oil cut mud Mud

Reversed Out Yes x No Mud Type starch Viscosity 49 Weight 9.9 Maximum Temp. 128 °F

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

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

Length Drill Pipe ft. I.D. Drill Pipe in Length Weight Pipe 1035 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ft.

I. D. Drill Collars in. Length D.S.T. Tool 18 ft.

Remarks

Pressure Data

Date November 17, 1965 Test Ticket No. 5102

Recorder No. 1567 Capacity 4300 Location 4461 Ft.

Clock No. 6774 Elevation 2219 Kelly Bushings Well Temperature 128 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2357 P.S.I.		Opened Tool	10:57 P M	
B	First Initial Flow Pressure	23 P.S.I.		First Flow Pressure	5 Mins.	5 Mins.
C	First Final Flow Pressure	23 P.S.I.		Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	1415 P.S.I.		Second Flow Pressure	90 Mins.	89 Mins.
E	Second Initial Flow Pressure	32 P.S.I.		Final Closed-in Pressure	30 Mins.	30 Mins.
F	Second Final Flow Pressure	73 P.S.I.				
G	Final Closed-in Pressure	1279 P.S.I.				
H	Final Hydrostatic Mud	2332 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	23
P 2 5	23
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.

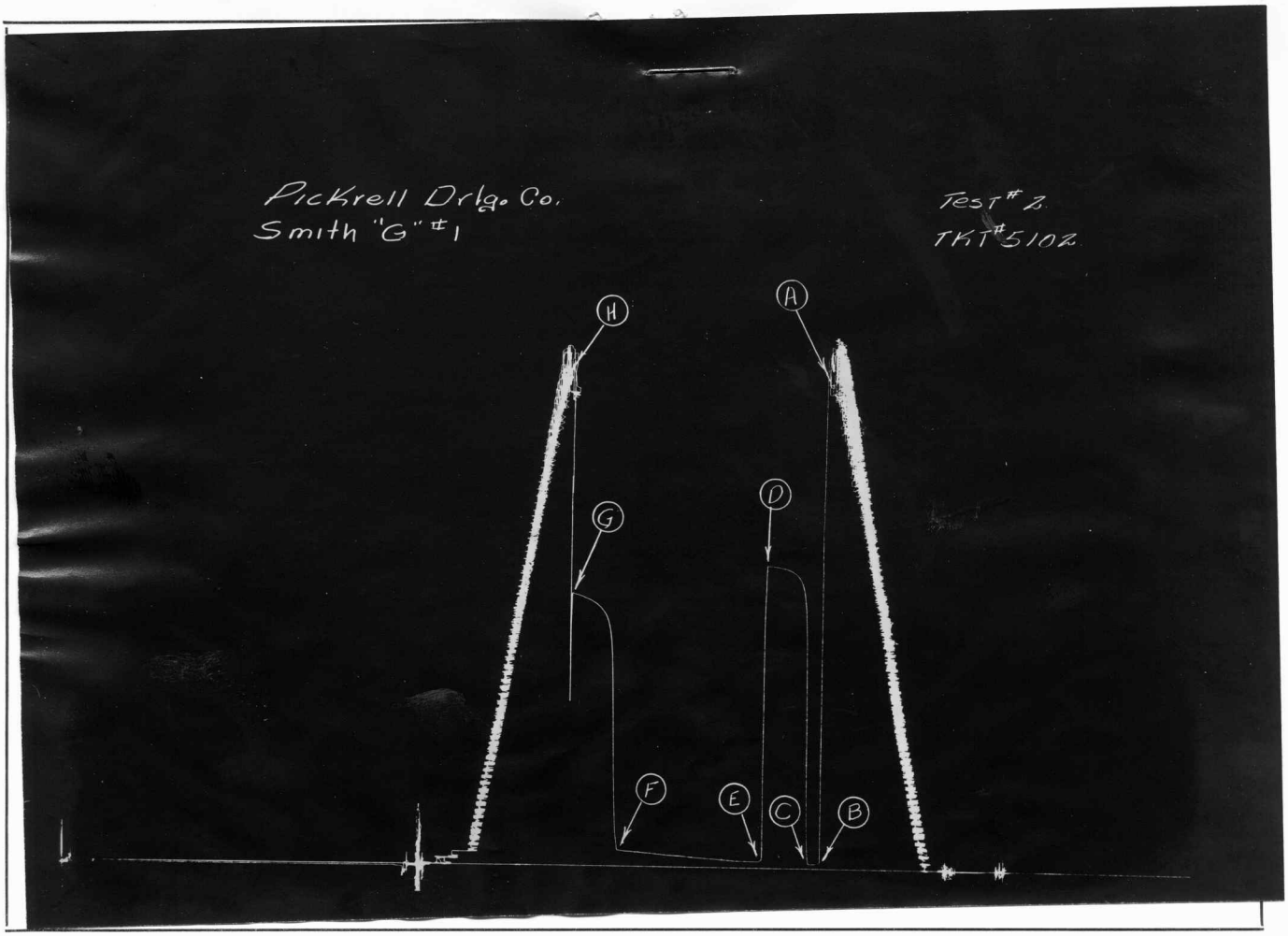
Point Minutes	Press.
0	23
3	646
6	1255
9	1353
12	1381
15	1394
18	1402
21	1409
24	1413
27	1415
30	1415

Second Flow Pressure
Breakdown: 17 Inc. of 5 mins. and a final inc. of 4 Min.

Point Minutes	Press.
0	32
5	32
10	33
15	34
20	35
25	36
30	38
35	41
40	43
45	47
50	50
55	53
60	56
65	59
70	63
75	66
80	69
85	71
89	73

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

Point Minutes	Press.
0	73
3	443
6	1062
9	1174
12	1208
15	1230
18	1242
21	1253
24	1262
27	1271
30	1279



This is an actual photograph of recorder chart.

POINT		PRESSURE	
(A)	Initial Hydrostatic Mud	2357	PSI
(B)	First Initial Flow Pressure	23	PSI
(C)	First Final Flow Pressure	23	PSI
(D)	Initial Closed-in Pressure	1415	PSI
(E)	Second Initial Flow Pressure	32	PSI
(F)	Second Final Flow Pressure	73	PSI
(G)	Final Closed-in Pressure	1279	PSI
(H)	Final Hydrostatic Mud	2332	PSI

COMPANY PICKRELL DRILLING CO. LEASE AND WELL NO. SMITH #G-1 SEC. 1 TWP. 23 RGE. 23W TEST NO. 2 DATE 11-17-65