15-095-30023

36-30s-7w

WESTERN

Home Office: Great Bend, Kansas

P. O. Box 793 GLadstone 3-7903

Company Kenneth Rupp Lease & Well No. Russell #1

Elevation 1614 Kelly Bushings Formation K. C. Ticket Number 6107

Date May 25,1965 Sec. 36 Twp. 30 Range 7w County Kingman State Kansas

Test Approved by Toby Elster Western Representative Norman Allen

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Formation Test No. 1 O.K. x Misrun Interval Tested From 3944' to 3989' Total Depth 3989'

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

Packer Depth 3939 Ft. Size 6 3/4 Packer Depth 3944 Ft. Size 6 3/4

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

Packer Depth Ft. Size

Tool Size 5½ OD Tool Jt. Size 4½ FH Anchor Length 45 Ft. Size 5½ OD & DC

RECORDERS Depth 3955 Ft. Clock No. 4964 Depth 3958 Ft. Clock No. 149

Top Make Kuster Cap. 3150 No. 1562 Inside Outside Bottom Make Western Cap. 3000 No. 29 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 9:28 P M

Tool Open I.F.P. From 9:30 M to 10:00 M Hr. 30 Min. From (B) 48 P.S.I. To (C) 113 P.S.I.

Tool Closed I.C.I.P. From 10:00 M. to 10:30 M. Hr. 30 Min. (D) 1564 P.S.I.

Tool Open F.F.P. From 10:30 M. to 11:00 M. Hr. 30 Min. From (E) 142 P.S.I. To (F) 201 P.S.I.

Tool Closed F.C.I.P. From 11:00 to 11:30 M. Hr. 30 Min. (G) 1541 P.S.I.

Initial Hydrostatic Pressure (A) 2096 P.S.I. Final Hydrostatic Pressure (H) 2048 P.S.I.

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

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

Did Well Flow Yes no No Recovery Total Ft. 390' salt water

Mud

Reversed Out Yes no No Mud Type starch Viscosity 44 Weight 10. Maximum Temp. 119 °F

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

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

Length Drill Pipe 2994 I.D. Drill Pipe 3.8 in Length Weight Pipe 930 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ft.

I. D. Drill Collars in. Length D.S.T. Tool 65 ft.

Remarks

WESTERN TESTING CO., INC.
Pressure Data

Date May 25, 1965 Test Ticket No. 6107

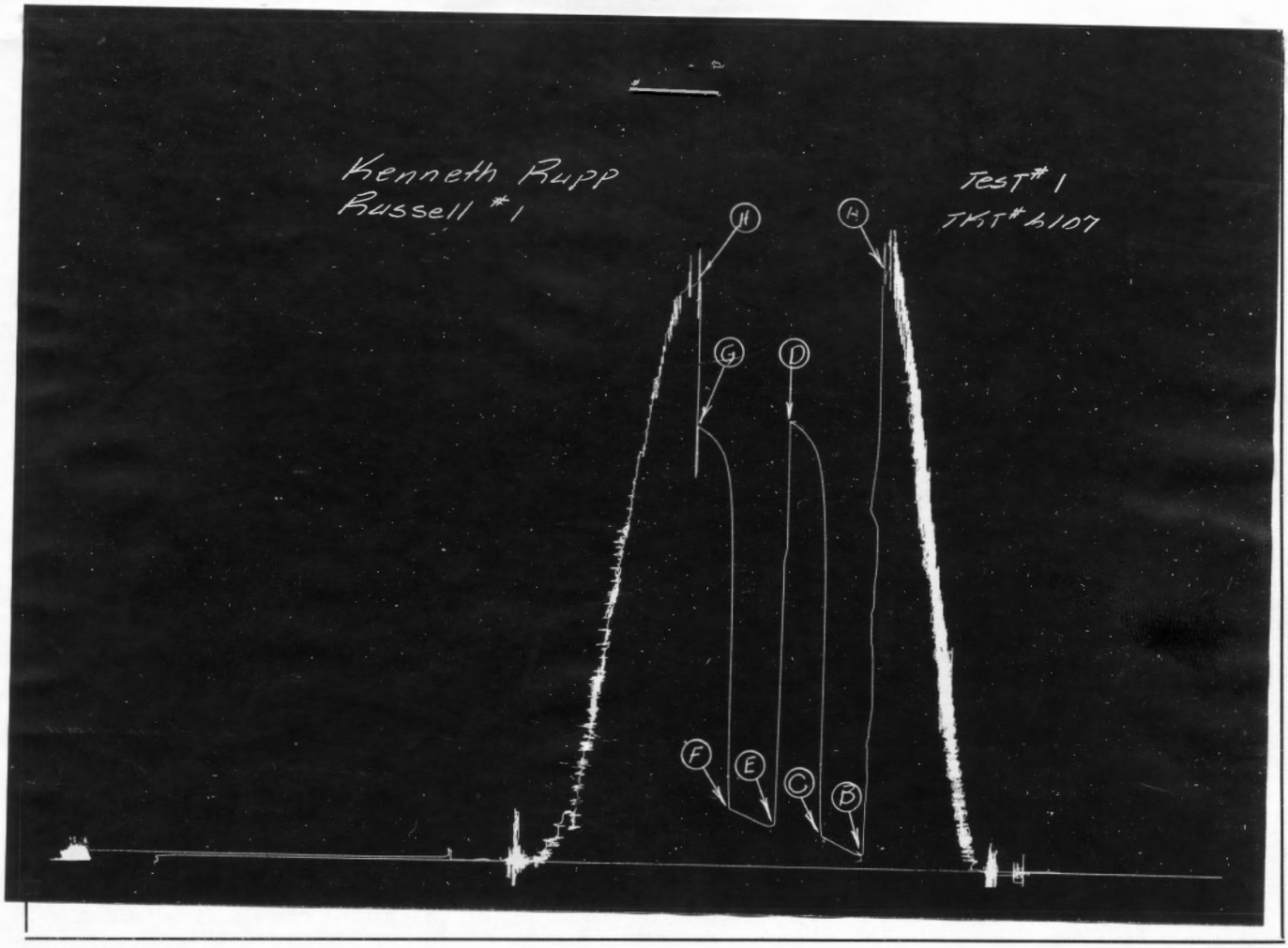
Recorder No. 1562 Capacity 3150 Location 3955 Ft.

Clock No. 4964 Elevation 1614 Kelly Bushings Well Temperature 119 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2096	P.S.I.	Opened Tool	9:28 P M
B First Initial Flow Pressure	48	P.S.I.	First Flow Pressure	30 Mins. 27 Mins.
C First Final Flow Pressure	113	P.S.I.	Initial Closed-in Pressure	30 Mins. 30 Mins.
D Initial Closed-in Pressure	1564	P.S.I.	Second Flow Pressure	30 Mins. 30 Mins.
E Second Initial Flow Pressure	142	P.S.I.	Final Closed-in Pressure	30 Mins. 28 Mins.
F Second Final Flow Pressure	201	P.S.I.		
G Final Closed-in Pressure	1541	P.S.I.		
H Final Hydrostatic Mud	2048	P.S.I.		

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 5 Inc.		Breakdown: 10 Inc.		Breakdown: 6 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 2 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 1 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	48	0	113	0	142	0	201
P 2 5	51	3	1000	5	145	3	1147
P 3 10	62	6	1275	10	155	6	1342
P 4 15	76	9	1387	15	169	9	1416
P 5 20	92	12	1454	20	179	12	1457
P 6 25	105	15	1492	25	190	15	1482
P 7 27	113	18	1512	30	201	18	1501
P 8		21	1530			21	1516
P 9		24	1544			24	1525
P10		27	1556			27	1536
P11		30	1564			28	1541
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							



This is an actual photograph of recorder chart.

POINT		PRESSURE	
(A)	Initial Hydrostatic Mud	2096	PSI
(B)	First Initial Flow Pressure	48	PSI
(C)	First Final Flow Pressure	113	PSI
(D)	Initial Closed-in Pressure	1564	PSI
(E)	Second Initial Flow Pressure	142	PSI
(F)	Second Final Flow Pressure	201	PSI
(G)	Final Closed-in Pressure	1541	PSI
(H)	Final Hydrostatic Mud	2048	PSI

Home Office: Great Bend, Kansas

P. O. Box 793 GLadstone 3-7903

Company Kenneth Rupp Lease & Well No. Russell # 1

Elevation 1613 R.B. Formation Miss. Ticket Number 6446

Date May 28, 1965 Sec. 36 Twp. 30 Range 7W County Kingman State Kansas

Test Approved by Toby Elster Western Representative Guy M. Knipe

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Formation Test No. 2 O.K. X Misrun Interval Tested From 4330 to 4362 Total Depth 4362

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

Packer Depth 4327 Ft. Size 6 3/4 Packer Depth 4330 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 F.H. Anchor Length 32 Ft. Size 5½ O.D.

RECORDERS Depth 4354 Ft. Clock No. 6861 Depth 4357 Ft. Clock No. 142

Top Make Kuster Cap. 4200 No. 1558 Inside Outside Bottom Make W. T. C. Cap. 4000 No. 60 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 9:45 A. M

Tool Open I.F.P. From 9:47 A M 10:17 A M Hr. 30 Min. From (B) 84 P.S.I. To (C) 75 P.S.I.

Tool Closed I.C.I.P. From 10:17 AM. to 11:02 A M. Hr. 45 Min. (D) 1601 P.S.I.

Tool Open F.F.P. From 11:02 A. M. to 12:02 A.M. 1 Hr. Min. From (E) 54 P.S.I. To (F) 54 P.S.I.

Tool Closed F.C.I.P. From 12:02 AM. to 12:47 M. Hr. 45 Min. (G) 1540 P.S.I.

Initial Hydrostatic Pressure (A) 2351 P.S.I. Final Hydrostatic Pressure (H) 2304 P.S.I.

SURFACE INFORMATION	Size Choke 3/4 In.	Max. Press. P.S.I.	Time	Description of Flow
		1.6" Water	10 M.	175,000 C.F.
		1.6" Water	30 M.	175,000
		1.6	60 M.	175,000

BLOW Strong gas to surface 10 minutes Bottom Choke Size 3/4 In.

Did Well Flow Yes X No Recovery Total Ft. 70' Gas Cut Mud

Mud

Reversed Out Yes X No Mud Type Starch Viscosity 46 Weight 10.1 Maximum Temp. 127 °F

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

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

Length Drill Pipe 3388 ft. I.D. Drill Pipe 3.8 in Length Weight Pipe 919 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

WESTERN TESTING CO., INC.
Pressure Data

Date May 28, 1965 Test Ticket No. 6446

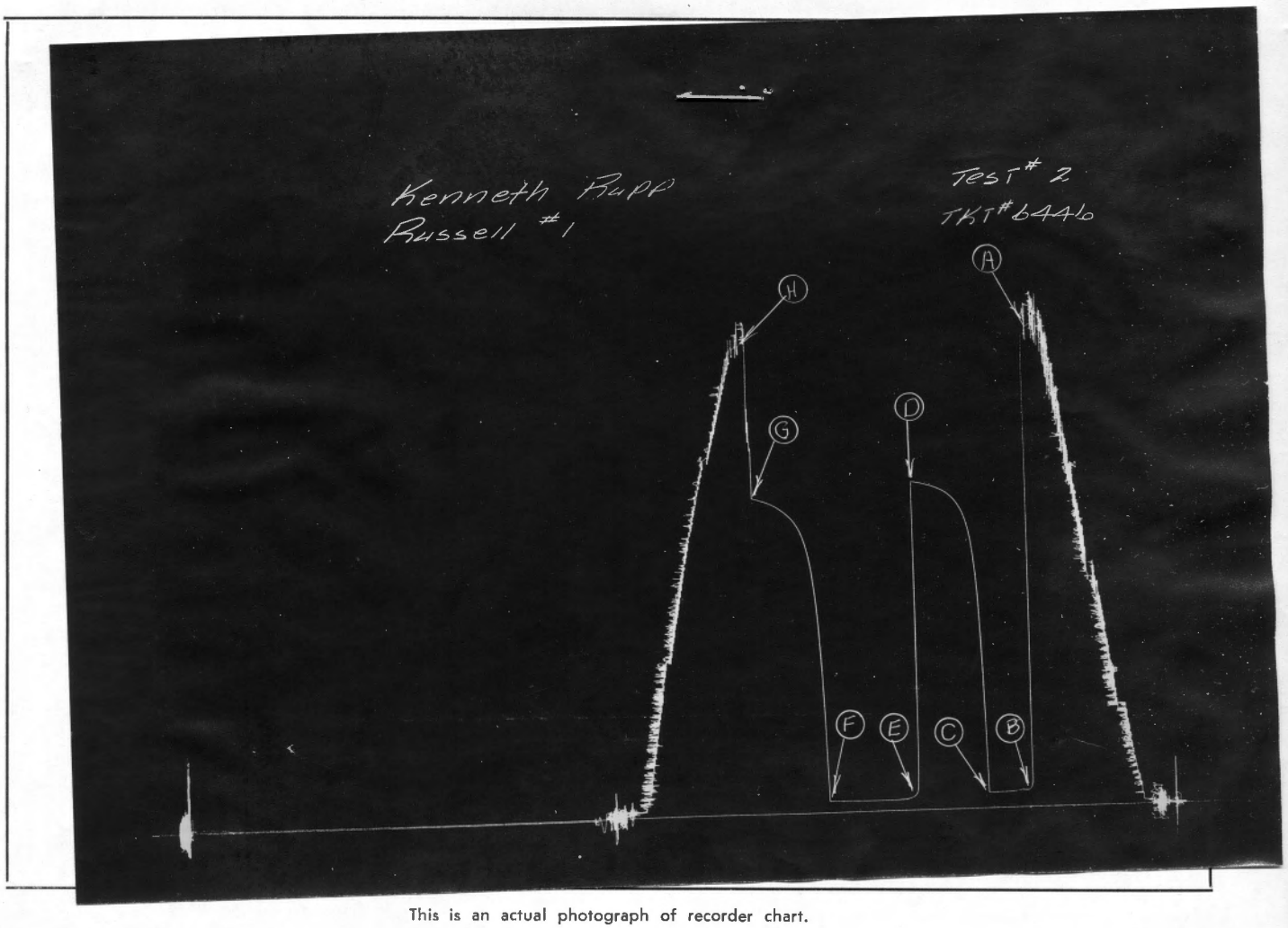
Recorder No. 1558 Capacity 4200 Location 4354 Ft.

Clock No. 6993 Elevation 1613 Rotary Bushings Well Temperature 127 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2351	P.S.I.	Opened Tool	9:45 A.M.
B First Initial Flow Pressure	84	P.S.I.	First Flow Pressure 30 Mins.	30 Mins.
C First Final Flow Pressure	75	P.S.I.	Initial Closed-in Pressure 45 Mins.	47 Mins.
D Initial Closed-in Pressure	1601	P.S.I.	Second Flow Pressure 60 Mins.	60 Mins.
E Second Initial Flow Pressure	54	P.S.I.	Final Closed-in Pressure 45 Mins.	48 Mins.
F Second Final Flow Pressure	54	P.S.I.		
G Final Closed-in Pressure	1540	P.S.I.		
H Final Hydrostatic Mud	2304	P.S.I.		

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 6 Inc.		Breakdown: 15 Inc.		Breakdown: 12 Inc.		Breakdown: 16 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 2 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	84	0	75	0	54	0	54
P 2 5	82	3	772	5	54	3	666
P 3 10	78	6	1079	10	54	6	943
P 4 15	75	9	1269	15	54	9	1121
P 5 20	75	12	1386	20	54	12	1252
P 6 25	75	15	1449	25	54	15	1330
P 7 30	75	18	1493	30	54	18	1390
P 8		21	1518	35	54	21	1424
P 9		24	1537	40	54	24	1447
P10		27	1552	45	54	27	1468
P11		30	1563	50	54	30	1487
P12		33	1573	55	54	33	1500
P13		36	1580	60	54	36	1510
P14		39	1588			39	1521
P15		42	1592			42	1527
P16		45	1599			45	1535
P17		47	1601			48	1540
P18							
P19							
P20							



This is an actual photograph of recorder chart.

POINT		PRESSURE
(A)	Initial Hydrostatic Mud	2351 PSI
(B)	First Initial Flow Pressure	84 PSI
(C)	First Final Flow Pressure	75 PSI
(D)	Initial Closed-in Pressure	1601 PSI
(E)	Second Initial Flow Pressure	54 PSI
(F)	Second Final Flow Pressure	54 PSI
(G)	Final Closed-in Pressure	1540 PSI
(H)	Final Hydrostatic Mud	2304 PSI

WESTERN

Home Office: Great Bend, Kansas

P. O. Box 793 GLadstone 3-7903

Company Kenneth Kupp Lease & Well No. Russell # 1

Elevation 1613 Kelly Bushings Formation Simpson Ticket Number 6448

Date May 30,1965 Sec. 36 Twp. 30 Range 7 County Kingman State Kansas

Test Approved by Toby Alster Western Representative George Tew

Formation Test No. 3 O.K. ____ Misrun ____ Interval Tested From 4727' to 4737' Total Depth 4737'

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

Packer Depth 4727 Ft. Size 6 3/4 Packer Depth 4722 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 4731 Ft. Clock No. 6861 Depth 4734 Ft. Clock No. 35

Top Make Kuster Cap. 4200 No. 1559 Inside ~~xxxxx~~ Bottom Make Western Cap. 4000 No. 152 ~~xxxxx~~ 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 9:56 A. M

Tool Open I.F.P. From 10:00 M to 10:30 M Hr. 30 Min. From (B) 125 P.S.I. To (C) 351 P.S.I.

Tool Closed I.C.I.P. From 10:30 M. to 11:15 M. Hr. 45 Min. (D) 2221 P.S.I.

Tool Open F.F.P. From 11:15A M. to 12:15A M. 1 Hr. ____ Min. From (E) 399 P.S.I. To (F) 789 P.S.I.

Tool Closed F.C.I.P. From 12:15 M. to 1:00 M. Hr. 45 Min. (G) 1746 P.S.I.

Initial Hydrostatic Pressure (A) 2621 P.S.I. Final Hydrostatic Pressure (H) 2521 P.S.I.

SURFACE INFORMATION	Size Choke	Max. Press. P.S.I.	Time	Description of Flow
	1/2 In.		M.	
	(See attached sheet)		M.	
			M.	

BLOW Strong. Gas to surface in six minutes. Oil in 83 minutes. Bottom Choke Size 3/4 In.

Did Well Flow x Yes ____ No Recovery Total Ft. Pipe full of oil (90' watery mud below circ.sub)

Oil intool. Mud

Reversed Out x Yes ____ No Mud Type starch Viscosity 45 Weight 10.2 Maximum Temp. 153 °F

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

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

Length Drill Pipe 3805 ft. I.D. Drill Pipe 3.8 in Length Weight Pipe 900 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ____ ft.

I. D. Drill Collars ____ in. Length D.S.T. Tool 32 ft.

Remarks Dropped reversing bar. Recovered clean oil; pulled six stands and pipe unloaded clean oil; Capped and pulled approximately 25 stands and recovered drilling mud.

WESTERN TESTING CO., INC.
Pressure Data

Date May 30, 1965 Test Ticket No. 6448

Recorder No. 1559 Capacity 4200 Location 4731 Ft.

Clock No. 6861 Elevation 1613 Kelly Bushings Well Temperature 153 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2621 P.S.I.	Opened Tool	9:56 A. M	
B First Initial Flow Pressure	125 P.S.I.	First Flow Pressure	30 Mins.	35 Mins.
C First Final Flow Pressure	351 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D Initial Closed-in Pressure	2221 P.S.I.	Second Flow Pressure	60 Mins.	57 Mins.
E Second Initial Flow Pressure	399 P.S.I.	Final Closed-in Pressure	45 Mins.	47 Mins.
F Second Final Flow Pressure	789 P.S.I.			
G Final Closed-in Pressure	1746 P.S.I.			
H Final Hydrostatic Mud	2521 P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.
Breakdown: 7 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.	Press.
P 1 0	125
P 2 5	229
P 3 10	248
P 4 15	277
P 5 20	294
P 6 25	319
P 7 30	334
P 8 35	351
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 15 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	351
3	1826
6	2000
9	2059
12	2120
15	2147
18	2156
21	2164
24	2168
27	2175
30	2181
33	2185
36	2194
39	2206
42	2215
45	2221

Second Flow Pressure
Breakdown: 11 Inc.
of 5 mins. and a
final inc. of 2 Min.

Point Minutes	Press.
0	399
5	399
10	428
15	462
20	500
25	552
40	599
35	662
40	695
45	728
50	760
55	782
57	789

Final Shut-In
Breakdown: 15 Inc.
of 3 mins. and a
final inc. of 2 Min.

Point Minutes	Press.
0	789
3	1700
6	1717
9	1729
12	1736
15	1740
18	1742
21	1744
24	1745
27	1745
30	1746
33	1746
36	1746
39	1746
42	1746
45	1746
47	1746

P. O. Box 793
GREAT BEND, KANSAS

Company Kenneth Rupp — Lease & Well No. Russell #1

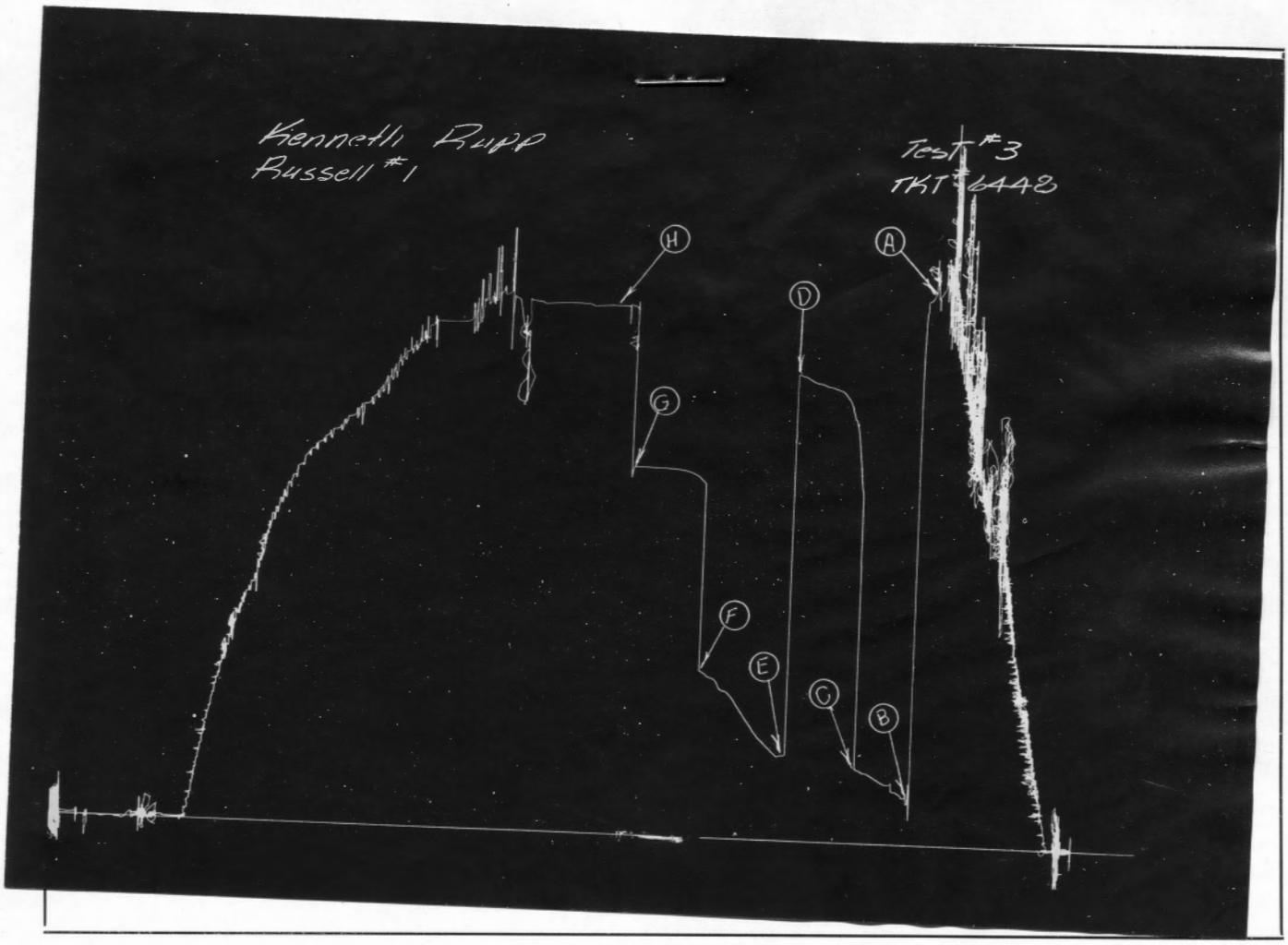
Test No. 3 — Interval Tested From 4727' To 4737'

Time	Ins. of water	Description of Flow
8	2	196,000
10	2.4	214,000
20	1.6	175,000
30	5	310,000
40	1	139,000
50	11	114,000
60	4.5	73,000
70	4.5	73,000
80	4	70,000
90		

Size Choke Surface 1/2 In. Bottom 3/4 In.

Remarks: Gas to surface in six minutes. After 40 minutes, gas was guaged thru 1"
Spray of oil in one hour 23 minutes.

WHELAN PRINTERS, GREAT BEND, KS.



This is an actual photograph of recorder chart.

POINT		PRESSURE
(A)	Initial Hydrostatic Mud	2621 PSI
(B)	First Initial Flow Pressure	125 PSI
(C)	First Final Flow Pressure	351 PSI
(D)	Initial Closed-in Pressure	2221 PSI
(E)	Second Initial Flow Pressure	399 PSI
(F)	Second Final Flow Pressure	789 PSI
(G)	Final Closed-in Pressure	1746 PSI
(H)	Final Hydrostatic Mud	2521 PSI