

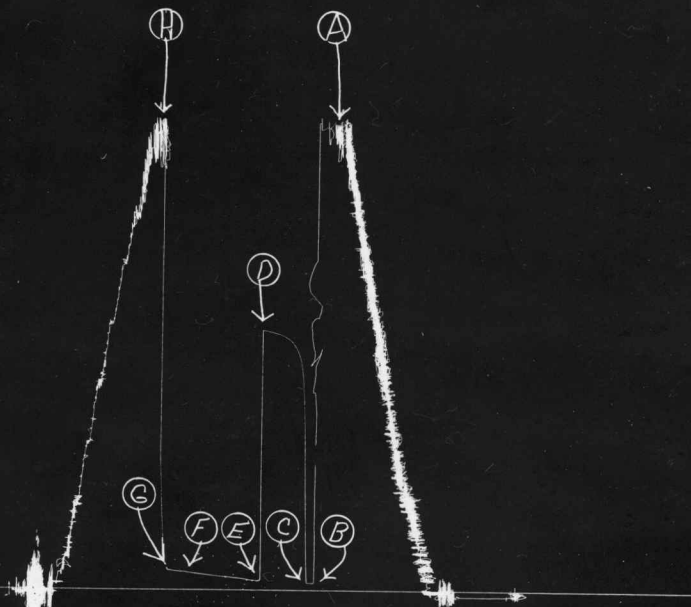


Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company W. F. Newton Lease & Well No. Boyd # 1
Elevation 2184 Kelly Bushings Formation _____ Effective Pay ----- Ft. Ticket No. 4651
Date 8-23-67 Sec. 25 Twp. 20s Range 19w County Pawnee State Kansas
Test Approved by Butler Western Representative W.M. Nething
Formation Test No. 1 O.K. ☒ Misrun _____ Interval Tested From 4085' to 4126' Total Depth 4126'
Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No
Packer Depth 4085 Ft. Size 6 3/4 Packer Depth 4080 Ft. Size 6 3/4
Straddle _____ Yes ☒ No _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No
Packer Depth _____ Ft. Size _____
Tool Size 5 1/2 O.D. Tool Jt. Size 4 1/2 F.H. Anchor Length 41 Ft. Size 5 1/2 O.D.
RECORDERS Depth 4115 Ft. Clock No. 6800 Depth 4118 Ft. Clock No. 4964
Top Make Amerada Cap. 4150 No. 2604 ~~Inside~~ Outside Bottom Make Amerada Cap. 4250 No. 1051 ~~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 6:37 A. M
Tool Open I.F.P. From 6:40 A.M. to 6:45 A M. Hr. 5 Min. From (B) 44 P.S.I. To (C) 36 P.S.I.
Tool Closed I.C.I.P. From 6:45 A.M. to 7:15 A M. Hr. 30 Min. (D) 1223 P.S.I.
Tool Open F.F.P. From 7:15 A.M. to 8:15 A M. Hr. 60 Min. From (E) 46 P.S.I. To (F) 93 P.S.I.
Tool Closed F.C.I.P. From 8:15 A.M. to 8:20 A M. Hr. 5 Min. (G) 631 P.S.I.
Initial Hydrostatic Pressure (A) 2165 P.S.I. Final Hydrostatic Pressure (H) 2136 P.S.I.
SURFACE Size Choke 3/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW Weak blow throughout test Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 60 feet gas; 150 feet very heavily oil cut mud
Reversed Out _____ Yes ☒ No _____ Mud Type starch Viscosity 41 Weight 9.9 Water Loss ---- cc. Maximum Temp. 116 °F
EXTRA EQUIPMENT: Dual Packers dual Safety Joint _____ Jars: Size _____ Make _____ Ser. No. _____
Type Circ. Sub. plug Did Tool Plug? no Where? _____ Did Packer Hold? yes
Length Drill Pipe 3122 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 933 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 61 ft.
Remarks _____

W. F. Newton
Boyd #1

TKT-4651
Test #1



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI	
	Field Reading	Office Reading		
(A) Initial Hydrostatic Mud	2169	2165	PSI	
(B) First Initial Flow Pressure	32	44	PSI	
(C) First Final Flow Pressure	32	36	PSI	
(D) Initial Closed-in Pressure	1223	1223	PSI	30
(E) Second Initial Flow Pressure	42	46	PSI	
(F) Second Final Flow Pressure	96	93	PSI	14R
(G) Final Closed-in Pressure	638	631	PSI	5 min
(H) Final Hydrostatic Mud	2139	2136	PSI	



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Company W. F. Newton Lease & Well No. Boyd # 1
Elevation 2184 Kelly Bushings Formation AMB? Effective Pay ----- Ft. Ticket No. 4652
Date 8-23-67 Sec. 25 Twp. 20s Range 19w County Pawnee State Kansas
Test Approved by George McCaleb Western Representative W. M. Nething

Formation Test No. 2 O.K. ☒ Misrun Interval Tested From 4134' to 4163' Total Depth 4163'
Size Main Hole 7 7/8 Rat Hole ----- Conv. ----- B.T. ☒ Damaged Yes ☒ No Conv. ----- B.T. ☒ Damaged Yes ☒ No
Packer Depth 4134 Ft. Size 6 3/4 Packer Depth 4129 Ft. Size 6 3/4
Straddle Yes ☒ No ----- Conv. ----- B.T. ----- Damaged Yes ----- No -----

Packer Depth ----- Ft. Size -----
Tool Size 5 1/2 O.D. Tool Jt. Size 4 1/2 F.H. Anchor Length 29 Ft. Size 5 1/2 O.D.

RECORDERS Depth 4154 Ft. Clock No. 6800 Depth 4157 Ft. Clock No. 4964
Top Make Amerada Cap. 4150 No. 2604 Inside ----- Bottom Make Amerada Cap. 4250 No. 1051 ~~Inside~~ Outside
Below Straddle: Depth ----- Clock No. ----- Inside ----- Depth ----- Ft. Clock No. ----- Inside -----
Top Make ----- Cap. ----- No. ----- Outside ----- Bottom Make ----- Cap. ----- No. ----- Inside ----- Outside -----

Time Set Packer 9:39 P. ----- M -----
Tool Open I.F.P. From 9:42 P M. to 9:54 PM Hr. 12 Min. From (B) 29 P.S.I. To (C) 19 P.S.I.
Tool Closed I.C.I.P. From 9:54 P M. to 10:24 PM Hr. 30 Min. (D) 1273 P.S.I.
Tool Open F.F.P. From 10:24 PM to 10:54 PM Hr. 30 Min. From (E) 38 P.S.I. To (F) 25 P.S.I.
Tool Closed F.C.I.P. From 10:54 PM to 11:24 PM Hr. 30 Min. (G) 962 P.S.I.
Initial Hydrostatic Pressure (A) 2170 P.S.I. Final Hydrostatic Pressure (H) 2162 P.S.I.

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

BLOW Weak blow eight minutes, flushed tool Bottom Choke Size 3/4 In.
Did Well Flow Yes ☒ No ----- Recovery Total Ft. 10 feet mud with specks of oil

Reversed Out Yes ☒ No ----- Mud Type starch Viscosity 44 Weight 10.2 Water Loss ----- cc. Maximum Temp. 116 °F
EXTRA EQUIPMENT: Dual Packers dual Safety Joint ----- Jars: Size ----- Make ----- Ser. No. -----
Type Circ. Sub. plug Did Tool Plug? no Where? ----- Did Packer Hold? yes
Length Drill Pipe 3181 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 933 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ----- ft.
I. D. Drill Collars ----- in. Length D.S.T. Tool 49 ft.

Remarks

Pressure Data

Test Ticket No. 4652

Clock No. 6800 Elevation 2184 Kelly Bushings Well Temperature 116 °F

Point	Pressure	Time Given	Time Computed
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Point	Pressure	Given	Computed
A. Initial Hydrostatic Mud	2170	9:39 P.	M

A Initial Hydrostatic Mud 2170 P.S.I. Opened Tool 9:39 P. M

B First Initial Flow Pressure 29 P.S.I. First Flow Pressure 12 Mins. 12 Mins.

C First Final Flow Pressure 19 P.S.I. Initial Closed-in Pressure 30 Mins. 31 Mins.

D Initial Closed-in Pressure 1273 P.S.I. Second Flow Pressure 30 Mins. 30 Mins.

E Second Initial Flow Pressure 38 P.S.I. Final Closed-in Pressure 30 Mins. 30 Mins.

F Second Final Flow Pressure 25 P.S.I.

G Final Closed-in Pressure 962 P.S.I.

H Final Hydrostatic Mud 2162 P.S.I.

PRESSURE BREAKDOWN

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

Initial Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 1 Min.

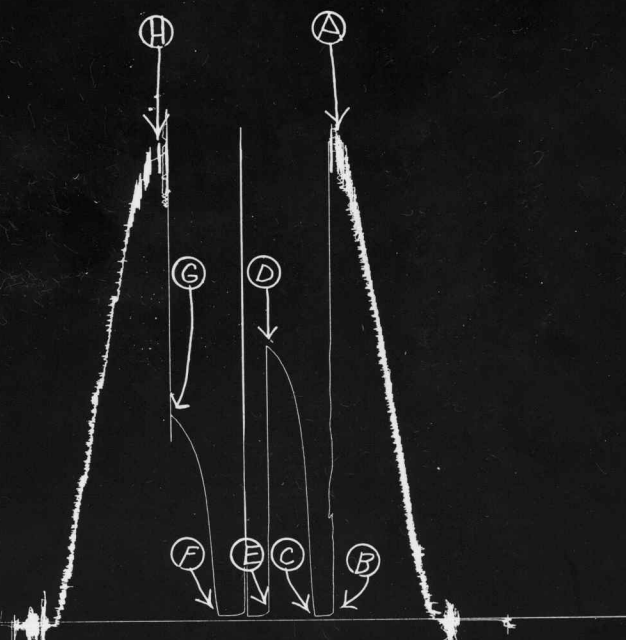
Second Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of Min.

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

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1_ 0	29	0	19	0	38	0	25
P 2_ 5	19	3	268	5	23	3	213
P 3_ 10	19	6	428	10	23	6	427
P 4_ 12	19	9	817	15	23	9	587
P 5_		12	958	20	25	12	702
P 6_		15	1066	25	25	15	780
P 7_		18	1131	30	25	18	836
P 8_		21	1183			21	878
P 9_		24	1217			24	911
P10_		27	1246			27	940
P11_		30	1267			30	962
P12_		31	1273				
P13_							
P14_							
P15_							
P16_							
P17_							
P18_							
P19_							
P20_							

W. F. Newton
Boyd #1

TKT-4652
Test #2



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2211	2170	PSI
(B) First Initial Flow Pressure	21	29	PSI
(C) First Final Flow Pressure	21	19	PSI
(D) Initial Closed-in Pressure	1286	1273	PSI
(E) Second Initial Flow Pressure	21	38	PSI
(F) Second Final Flow Pressure	32	25	PSI
(G) Final Closed-in Pressure	973	962	PSI
(H) Final Hydrostatic Mud	2189	2162	PSI