

15-083-30086



18-245-23w

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

Company Birmingham Bartlett Drilling Company Lease & Well No. Bradford #1
Elevation 2463 Kelly Bushings Formation Co ng. Ticket Number 5134
Date Feb. 7, 1966 Sec. 18 Twp. 24s Range 23w County Hodgeman State Kansas
Test Approved by A. S. Maggoner Western Representative Dean Blagrove

Formation Test No. 1 O.K. Misrun Interval Tested From 4696' to 4735' Total Depth 4735'
Size Main Hole 7 7/8 Hole none Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Packer Depth 4691 Ft. Size 6 3/4 Packer Depth 4696 Ft. Size 6 3/4
Straddle Yes No Conv. B.T. Damaged Yes No
Packer Depth _____ Ft. Size _____

Tool Size 5 1/2 OD Tool Jt. Size 4 1/2 FH Anchor Length 30 Ft. Size 5 1/2 OD
RECORDERS Depth 4726 Ft. Clock No. 6774 Depth 4729 Ft. Clock No. 158
Top Make Kuster Cap. 4300 No. 1567 Inside Outside Bottom Make Nestern Cap. 3600 No. 30 Inside Outside
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____
Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer 4:57 A M
Tool Open I.F.P. From 5:00 M to 5:05 M Hr. 5 Min. From (B) 30 P.S.I. To (C) 30 P.S.I.
Tool Closed I.C.I.P. From 5:05 M. to 5:35 M. Hr. 30 Min. (D) 1195 P.S.I.
Tool Open F.F.P. From 5:35 M. to 6:05 M. Hr. 30 Min. From (E) 35 P.S.I. To (F) 35 P.S.I.
Tool Closed F.C.I.P. From 6:05 M. to 6:35 M. Hr. 30 Min. (G) 644 P.S.I.
Initial Hydrostatic Pressure (A) 2502 P.S.I. Final Hydrostatic Pressure (H) 2402 P.S.I.

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

BLOW Very weak for 25 minutes. Bottom Choke Size 3/4 In.
Did Well Flow Yes No Recovery Total Ft. 15' mud withspots of oil

Reversed Out Yes No Mud Type starch Viscosity 43 Weight 9.8 Maximum Temp. 115 °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 1080 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 12 ft.

Remarks _____

WESTERN TESTING CO., INC.
Pressure Data

Date **February 7, 1966** Test Ticket No. **5134**
 Recorder No. **1567** Capacity **4300** Location **4726** Ft.
 Clock No. **6774** Elevation **2463 Kelly Bushings** Well Temperature **115** °F

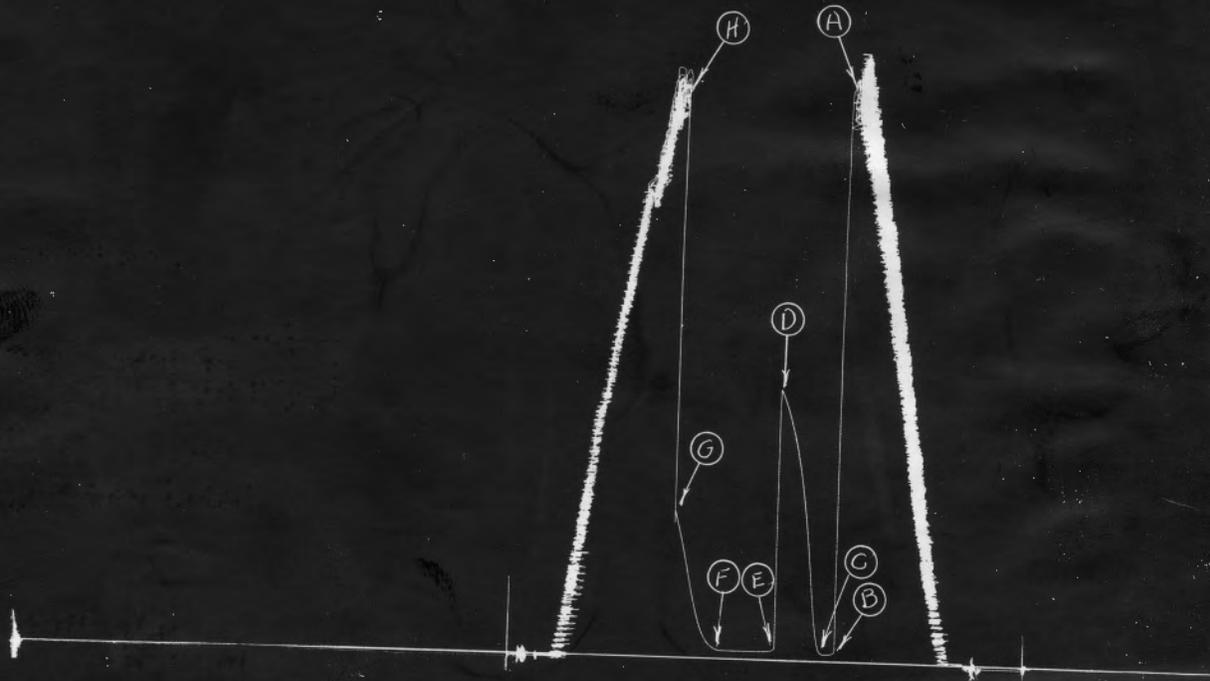
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2502	P.S.I.	4:57 A.M.	
B First Initial Flow Pressure	30	P.S.I.	5 Mins.	6 Mins.
C First Final Flow Pressure	30	P.S.I.	30 Mins.	28 Mins.
D Initial Closed-in Pressure	1195	P.S.I.	30 Mins.	30 Mins.
E Second Initial Flow Pressure	36	P.S.I.	30 Mins.	29 Mins.
F Second Final Flow Pressure	36 1195	P.S.I.		
G Final Closed-in Pressure	644	P.S.I.		
H Final Hydrostatic Mud	2489	P.S.I.		

PRESSURE BREAKDOWN

Point Mins.	First Flow Press.	Point Minutes	Initial Shut-In	Point Minutes	Second Flow Pressure	Point Minutes	Final Shut-In
	Breakdown: 1 Inc. of 5 mins. and a final inc. of 0 Min.		Breakdown: 9 Inc. of 3 mins. and a final inc. of 1 Min.		Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.		Breakdown: 9 Inc. of 3 mins. and a final inc. of 2 Min.
	Press.		Press.		Press.		Press.
P 1 0	30	0	30	0	36	0	36
P 2 5	30	3	77	5	36	3	42
P 3		6	259	10	36	6	56
P 4		9	491	15	36	9	79
P 5		12	680	20	36	12	133
P 6		15	822	25	36	15	207
P 7		18	956	30	36	18	302
P 8		21	1043			21	406
P 9		24	1124			24	508
P10		27	1191			27	596
P11		28	1195			29	644
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

BIRMINGHAM-BARTLETT
BRADFORD #1

TEST # 1
TKT # 5134





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

Company Birmingham & Bartlett Drilling Co. Lease & Well No. Bradford #1
Elevation 2463 Kelly Bushings Formation Mississippi Ticket Number 5135
Date Feb. 8, 1966 Sec. 18 Twp. 24s Range 23w County Hodgeman State Kansas
Test Approved by Paul Jennings Western Representative Dean Blagrave

Formation Test No. 2 O.K. Misrun Interval Tested From 4732' to 4780' Total Depth 4780'
Size Main Hole 7 7/8 Rat Hole none Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Packer Depth 4727 Ft. Size 6 3/4 Packer Depth 4732 Ft. Size 6 3/4
Straddle Yes No Conv. B.T. Damaged Yes No
Packer Depth _____ Ft. Size _____

Tool Size 5 1/2 OD Tool Jt. Size 4 1/2 FH Anchor Length 48 Ft. Size 5 1/2 OD

RECORDERS Depth 4771 Ft. Clock No. 6774 Depth 4774 Ft. Clock No. 158
Top Make Kuster Cap. 4300 No. 1567 Inside Outside Bottom Make Western Cap. 3600 No. 30 Inside
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 12:47 A M
Tool Open I.F.P. From 12:50 M to 12:55 M Hr. 5 Min. From (B) 41 P.S.I. To (C) 41 P.S.I.
Tool Closed I.C.I.P. From 12:55 M. to 1:25 M. Hr. 30 Min. (D) 1428 P.S.I.
Tool Open F.F.P. From 1:25 M. to 1:35 M. Hr. 10 Min. From (E) 45 P.S.I. To (F) 45 P.S.I.
Tool Closed F.C.I.P. From 1:35 M. to 2:05 M. Hr. 30 Min. (G) 1234 P.S.I.
Initial Hydrostatic Pressure (A) 2561 P.S.I. Final Hydrostatic Pressure (H) 2541 P.S.I.

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

BLOW Mask for five minutes. Bottom Choke Size 3/4 In.

Did Well Flow Yes xxx No Recovery Total Ft. 15' mud with oil specks.

Reversed Out Yes No Mud Type starch Viscosity 43 Weight 9.8 Maximum Temp. 115 °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 1000 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 _____

WESTERN TESTING CO., INC.
Pressure Data

Date February 8, 1966 Test Ticket No. 5135
 Recorder No. 1567 Capacity 4300 Location 4771 Ft.
 Clock No. 6774 Elevation 2463 Kelly Bushings Well Temperature 115 °F

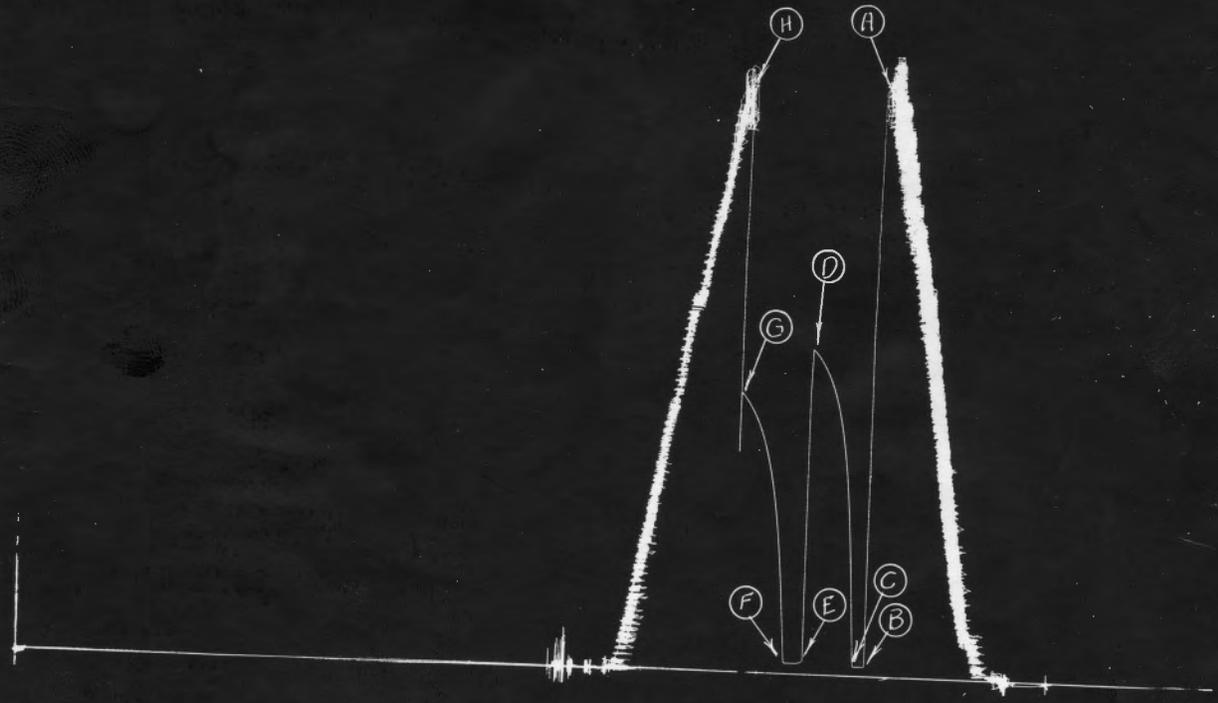
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	2861 P.S.I.	12:47 A M	
B First Initial Flow Pressure	41 P.S.I.	5 Mins.	5 Mins.
C First Final Flow Pressure	41 P.S.I.	30 Mins.	30 Mins.
D Initial Closed-in Pressure	1428 P.S.I.	10 Mins.	10 Mins.
E Second Initial Flow Pressure	45 P.S.I.	30 Mins.	30 Mins.
F Second Final Flow Pressure	45 P.S.I.		
G Final Closed-in Pressure	1234 P.S.I.		
H Final Hydrostatic Mud	2541 P.S.I.		

PRESSURE BREAKDOWN

Point Mins.	First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	of 1 mins. and a final inc. of 0 Min.		of 10 mins. and a final inc. of 0 Min.		of 2 mins. and a final inc. of 0 Min.		of 10 mins. and a final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1 0	41	0	41	0	45	0	45	
P 2 5	41	3	866	5	45	3	361	
P 3		6	682	10	45	6	526	
P 4		9	911			9	736	
P 5		12	1086			12	881	
P 6		15	1199			15	982	
P 7		18	1273			18	1060	
P 8		21	1327			21	1118	
P 9		24	1372			24	1174	
P10		27	1402			27	1202	
P11		30	1428			30	1234	
P12								
P13								
P14								
P15								
P16								
P17								
P18								
P19								
P20								

BIRMINGHAM- BARTLETT
BRADFORD #1

TEST# 2
TKT# 5135.





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

Company Birmingham & Bartlett Drilling Co. Lease & Well No. Bradford #1
Elevation 2463 Kelly Bushings Location Mississippi Ticket Number 5136
Date February 8, 1966 Sec. 10 Twp. 24s Range 23w County Hodgeman State Kansas
Test Approved by Paul Jennings Western Representative Dean Blagrove

Formation Test No. 3 O.K. Misrun Interval Tested From 4780' to 4794' Total Depth 4794'
Size Main Hole 7 7/8 Rat Hole none Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Packer Depth 4775 Ft. Size 6 3/4 Packer Depth 4780 Ft. Size 6 3/4
Straddle Yes No Conv. B.T. Damaged Yes No

Tool Size 5 1/2 OD Tool Jt. Size 4 1/2 FH Anchor Length 14 Ft. Size 5 1/2 OD
RECORDERS Depth 4765 Ft. Clock No. 6774 Depth 4788 Ft. Clock No. 158
Top Make Kuster 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 1:27 P M
Tool Open I.F.P. From 1:30 M to 1:35 M Hr. 5 Min. From (B) 23 P.S.I. To (C) 23 P.S.I.
Tool Closed I.C.I.P. From 1:35 M. to 2:05 M. Hr. 30 Min. (D) 1245 P.S.I.
Tool Open F.F.P. From 2:05 M. to 2:40 M. Hr. 35 Min. From (E) 30 P.S.I. To (F) 30 P.S.I.
Tool Closed F.C.I.P. From 2:40 M. to 3:10 M. Hr. 30 Min. (G) 920 P.S.I.
Initial Hydrostatic Pressure (A) 2545 P.S.I. Final Hydrostatic Pressure (H) 2524 P.S.I.

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

BLOW Very weak for 30 minutes. Bottom Choke Size 3/4 In.
Did Well Flow Yes No Recovery Total Ft. 20' thin mud

Reversed Out Yes No Mud Type starch Viscosity 42 Weight 9.0 Maximum Temp. 115 °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 1000 _____ ft. I.D. Weight Pipe 2.7 _____ in. Length Drill Collars none _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 10 _____ ft.

Remarks _____

WESTERN TESTING CO., INC.

Pressure Data

Date February 8, 1966 Test Ticket No. 5136
 Recorder No. 1567 Capacity 4300 Location 4785 Ft.
 Clock No. 6774 Elevation 2463 Kelly Bushings Well Temperature 115 °F

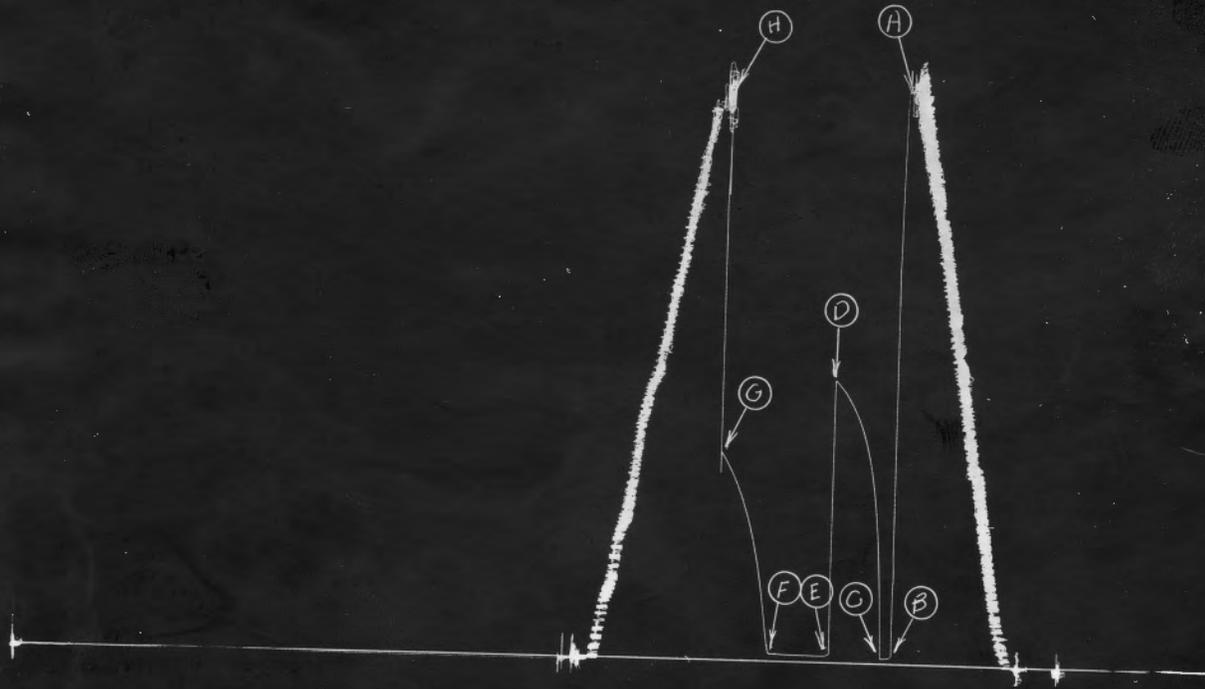
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2545	P.S.I.	1:27 P	M
B First Initial Flow Pressure	23	P.S.I.	5	Mins. 5 Mins.
C First Final Flow Pressure	23	P.S.I.	30	Mins. 30 Mins.
D Initial Closed-in Pressure	1245	P.S.I.	35	Mins. 35 Mins.
E Second Initial Flow Pressure	30	P.S.I.	30	Mins. 30 Mins.
F Second Final Flow Pressure	30	P.S.I.		
G Final Closed-in Pressure	920	P.S.I.		
H Final Hydrostatic Mud	2524	P.S.I.		

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>1</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>7</u> Inc.		Breakdown: <u>10</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	23	<u>0</u>	23	<u>0</u>	30	<u>0</u>	30
P 2 <u>5</u>	23	<u>3</u>	471	<u>5</u>	30	<u>3</u>	170
P 3		<u>6</u>	725	<u>10</u>	30	<u>6</u>	345
P 4		<u>9</u>	874	<u>15</u>	30	<u>9</u>	454
P 5		<u>12</u>	976	<u>20</u>	30	<u>12</u>	553
P 6		<u>15</u>	1047	<u>25</u>	30	<u>15</u>	641
P 7		<u>18</u>	1098	<u>30</u>	30	<u>18</u>	712
P 8		<u>21</u>	1146	<u>35</u>	30	<u>21</u>	773
P 9		<u>24</u>	1184			<u>24</u>	822
P 10		<u>27</u>	1215			<u>27</u>	863
P 11		<u>30</u>	1245			<u>30</u>	920
P 12							
P 13							
P 14							
P 15							
P 16							
P 17							
P 18							
P 19							
P 20							

BIRMINGHAM - BARLETT
BRADFORD #1

TEST # 3
TKT # 5136





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

Company Birmingham & Bartlett Drilling Co. Lease & Well No. Bradford #1
Elevation 2463 Kelly Bushings Location Mississippi Ticket Number 5137
Date Feb. 9, 1966 Sec. 18 Twp. 24s Range 23w County Hodgeman State Kansas
Test Approved by Paul Jennings Western Representative Dean Blgrave

Formation Test No. 4 O.K. Misrun Interval Tested From 4779' to 4815' Total Depth 4844'
Size Main Hole 7 7/8 Hole None Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Packer Depth Ft. Size Packer Depth 4779' Ft. Size 6 3/4
Straddle Yes No Conv. B.T. Damaged Yes No Conv. Pkr. 6 3/4" @ 4820'
Packer Depth 4815' Ft. Size 6 3/4

Tool Size 5 1/2 Tool Jt. Size 4 1/2 FH Anchor Length 36 Ft. Size 5 1/2"
RECORDERS Depth 4801 Ft. Clock No. 6774 Depth 4804 Ft. Clock No. 158
Top Make Kuster Cap. 4300 No. 1567 Inside Outside Bottom Make Western Cap. 3600 No. 30 Outside
Below Straddle: Depth 4842 Clock No. 148 Inside Outside Depth Ft. Clock No.
Top Make Western Cap. 3600 No. 47 Outside Bottom Make Cap. No. Outside

Time Set Packer 6:17 P M
Tool Open I.F.P. From 6:20P M to 6:30 M Hr. 10 Min. From (B) 54 P.S.I. To (C) 127 P.S.I.
Tool Closed I.C.I.P. From 6:30 M. to 7:00 M. Hr. 30 Min. (D) 1452 P.S.I.
Tool Open F.F.P. From 7:00 M. to 7:50P M. Hr. 50 Min. From (E) 162 P.S.I. To (F) 525 P.S.I.
Tool Closed F.C.I.P. From 7:50P to 8:20 M. Hr. 30 Min. (G) 1446 P.S.I.
Initial Hydrostatic Pressure (A) 2585 P.S.I. Final Hydrostatic Pressure (H) 2576 P.S.I.

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

BLOW Good blow throughout Bottom Choke Size 3/4 In.
Did Well Flow Yes No Recovery Total Ft. 1120' muddy sulphur water

Reversed Out Yes No Mud Type starch Viscosity 50 Weight 9.8 Maximum Temp. 123 °F

EXTRA EQUIPMENT: Dual Packers 3 pkrs. Safety Joint no Jars: Size 4100 Make Bowen Ser. No. 2955

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

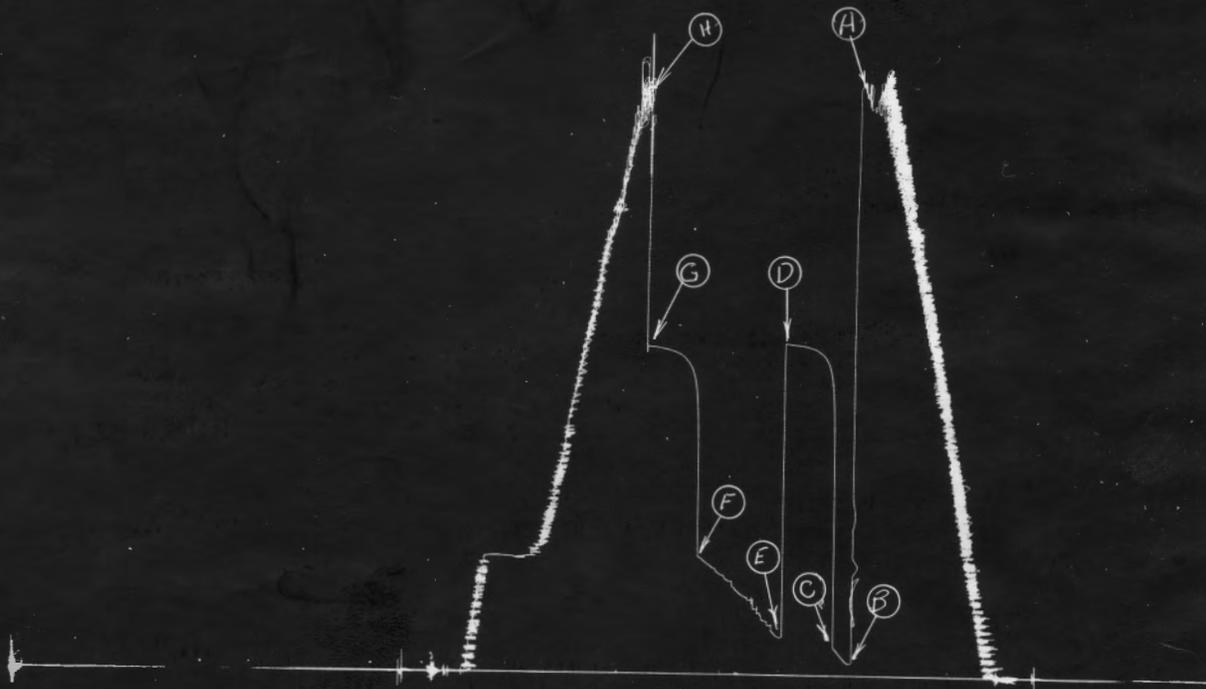
Length Drill Pipe ft. I.D. Drill Pipe in Length Weight Pipe 1080 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.

I. D. Drill Collars in. Length D.S.T. Tool 94' overall.

Remarks

BIRMINGHAM-BARTLETT
BRADFORD #1

TEST #4
TKT#5137



BIRMINGHAM-BARTLETT
BRADFORD #1
BLANK-OFF CHART

TEST #4
TKT#5137

