



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

Company Allison & Black Lease & Well No. Legleiter # 1
Elevation 2047 Kelly Hushing Formation Topeka Effective Pay _____ Ft. Ticket No. 11757
Date 11-17-68 Sec. 23 Twp. 16s Range 18w County Rush State Kansas
Test Approved by R. B. Jinkins Western Representative Kenneth Cheney
Formation Test No. 1 O.K. ☒ Misrun _____ Interval Tested From 3000' to 3030' Total Depth 3030'
Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. ☒ Damaged Yes ☒ No Conv. ☒ B.T. _____ Damaged Yes ☒ No
top Packer Depth 2995 Ft. Size 6 3/4 Packer Depth 3000 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" EH Anchor Length 30 Ft. Size 5 1/2" OD
RECORDERS Depth 3023 Ft. Clock No. 9103 Depth 3025 Ft. Clock No. 8378
Top Make Kuster Cap. 4150 No. 2608 Inside Bottom Make Kuster Cap. 4150 No. 1558 Inside
Below Straddle: Depth _____ Clock No. _____ Inside Depth _____ Ft. Clock No. _____ Inside
Top Make _____ Cap. _____ No. _____ Inside Bottom Make _____ Cap. _____ No. _____ Inside
Time Set Packer 1:34 A M
Tool Open I.F.P. From 1:35 M. to 1:45A M. Hr. 10 Min. From (B) 79 P.S.I. To (C) 68 P.S.I.
Tool Closed I.C.I.P. From 1:45 M. to 2:15A M. Hr. 30 Min. (D) 399 P.S.I.
Tool Open F.F.P. From 2:15 M. to 3:15 M. Hr. - Min. From (E) 66 P.S.I. To (F) 66 P.S.I.
Tool Closed F.C.I.P. From 3:15 M. to 3:45A M. Hr. 30 Min. (G) 770 P.S.I.
Initial Hydrostatic Pressure (A) 1791 P.S.I. Final Hydrostatic Pressure (H) 1743 P.S.I.
SURFACE Size Choke 3/8 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW Strong Bottom Choke Size 3/4 In.
Did Well Flow Yes ☒ No _____ Recovery Total Ft. 1550 feet gas in pipe -- 60 feet gas cut mud
Reversed Out Yes ☒ No Mud Type starch Viscosity 40 Weight 10.4 Water Loss 9.0 cc. Maximum Temp. 97 °F
Type Circ. Sub. plug Did Tool Plug? no Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Did Packer Hold? yes Where? _____
Length Drill Pipe 2110 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 870 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 50 ft.
Remarks _____



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Company: _____ Date: 11-17-68
Location: _____ Well No.: _____
Operator: _____
Type of Service: _____
Well Name: _____
Well Depth: _____
Well Status: _____
Well Type: _____
Well Completion: _____
Well Production: _____
Well Test: _____
Well Log: _____
Well Diagram: _____
Well Photographs: _____
Well Records: _____
Well Information: _____
Well Notes: _____
Well Remarks: _____

WESTERN TESTING CO., INC. Pressure Data

Date 11-17-68 Test Ticket No. 11757
Recorder No. 2608 Capacity 4150 Location 3023 Ft.
Clock No. 9103 Elevation 2047 Kelly Bushing Well Temperature 97 °F

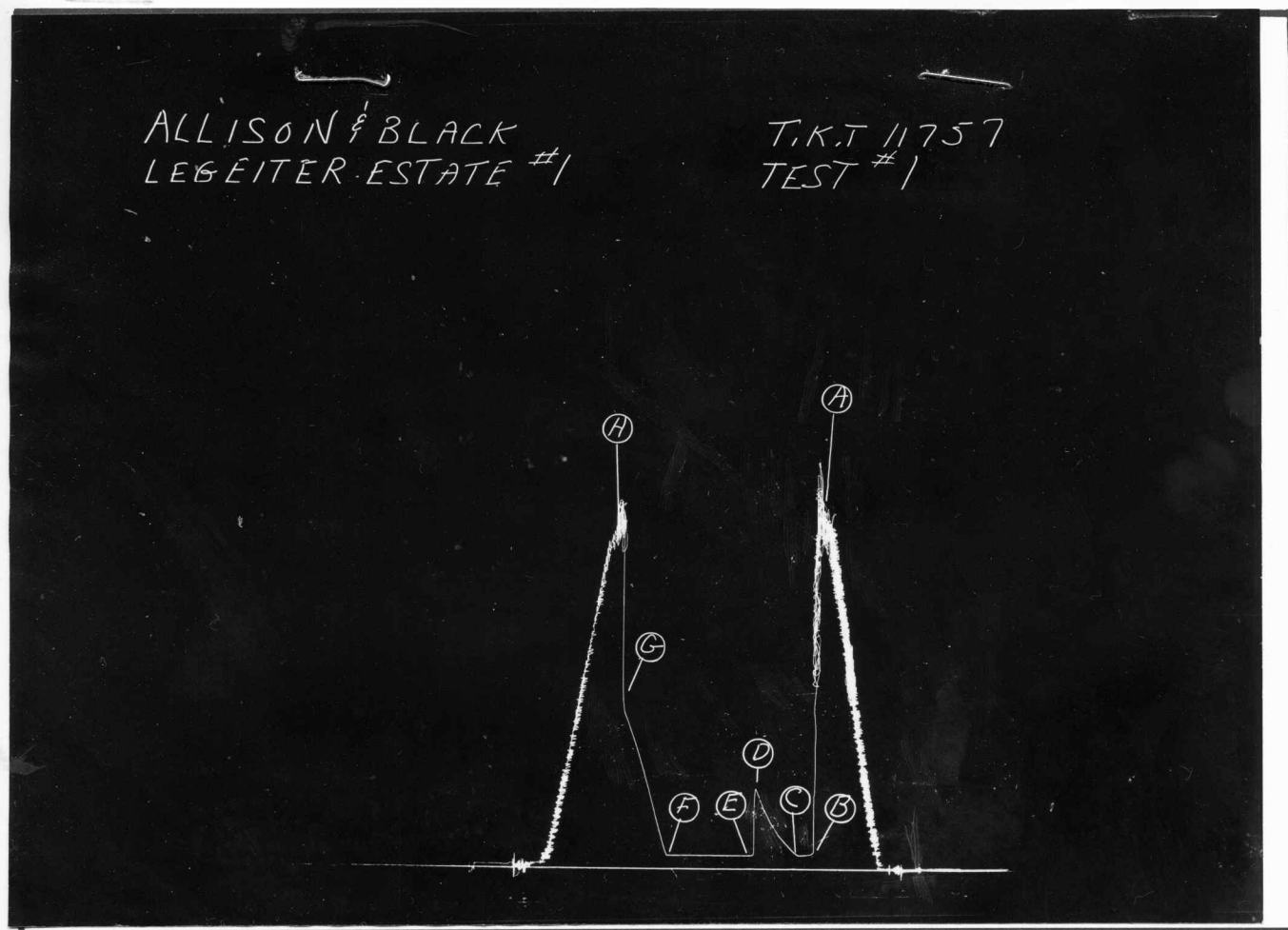
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1791</u> P.S.I.	Opened Tool	<u>1:34A</u> M	
B First Initial Flow Pressure	<u>79</u> P.S.I.	First Flow Pressure	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure	<u>68</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>399</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>57</u> Mins.
E Second Initial Flow Pressure	<u>66</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>66</u> P.S.I.			
G Final Closed-in Pressure	<u>770</u> P.S.I.			
H Final Hydrostatic Mud	<u>1743</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>2</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>11</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> </u> Min.		final inc. of <u> </u> Min.		final inc. of <u> </u> Min.		final inc. of <u> </u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>79</u>	<u>0</u>	<u>68</u>	<u>0</u>	<u>66</u>	<u>0</u>	<u>66</u>
P 2 <u>5</u>	<u>72</u>	<u>3</u>	<u>79</u>	<u>5</u>	<u>66</u>	<u>3</u>	<u>131</u>
P 3 <u>10</u>	<u>68</u>	<u>6</u>	<u>99</u>	<u>10</u>	<u>66</u>	<u>6</u>	<u>199</u>
P 4 <u> </u>	<u> </u>	<u>9</u>	<u>124</u>	<u>15</u>	<u>66</u>	<u>9</u>	<u>284</u>
P 5 <u> </u>	<u> </u>	<u>12</u>	<u>151</u>	<u>20</u>	<u>66</u>	<u>12</u>	<u>374</u>
P 6 <u> </u>	<u> </u>	<u>15</u>	<u>178</u>	<u>25</u>	<u>66</u>	<u>15</u>	<u>454</u>
P 7 <u> </u>	<u> </u>	<u>18</u>	<u>218</u>	<u>30</u>	<u>66</u>	<u>18</u>	<u>518</u>
P 8 <u> </u>	<u> </u>	<u>21</u>	<u>253</u>	<u>35</u>	<u>66</u>	<u>21</u>	<u>590</u>
P 9 <u> </u>	<u> </u>	<u>24</u>	<u>301</u>	<u>40</u>	<u>66</u>	<u>24</u>	<u>662</u>
P 10 <u> </u>	<u> </u>	<u>27</u>	<u>351</u>	<u>45</u>	<u>66</u>	<u>27</u>	<u>721</u>
P 11 <u> </u>	<u> </u>	<u>30</u>	<u>399</u>	<u>50</u>	<u>66</u>	<u>30</u>	<u>770</u>
P 12 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>55</u>	<u>66</u>	<u> </u>	<u> </u>
P 13 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>57</u>	<u>66</u>	<u> </u>	<u> </u>
P 14 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P 15 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P 16 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P 17 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P 18 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P 19 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P 20 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

ALLISON & BLACK
LEGEITER ESTATE #1

T.K.T 11757
TEST #1



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1847	1791	PSI
(B) First Initial Flow Pressure	68	79	PSI
(C) First Final Flow Pressure	62	68	PSI
(D) Initial Closed-in Pressure	395	399	PSI
(E) Second Initial Flow Pressure	64	66	PSI
(F) Second Final Flow Pressure	64	66	PSI
(G) Final Closed-in Pressure	778	770	PSI
(H) Final Hydrostatic Mud	1784	1743	PSI



TIGHT HOLE

Home Office: Great Bend, Kansas

P. O. Box 793

(316) 793-7903

Company Allison & Black Lease & Well No. Legleiter Estate # 1Elevation 2047 Kelly Bushing Formation Toronto Effective Pay _____ Ft. Ticket No. 11831Date 11-18-68 Sec. 23 Twp. 16s Range 18w County Rush State KansasTest Approved by R. B. Jenkins Western Representative Gerrell VeatchFormation Test No. 2 O.K. ☒ Misrun _____ Interval Tested From 3245' to 3275' Total Depth 3275'Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. ☒ B.T. _____ Damaged _____ Yes ☒ Notop Packer Depth 3241 Ft. Size 6 3/4 Packer Depth 3245 Ft. Size 6 3/4Straddle _____ 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" ODRECORDERS Depth 3267 Ft. Clock No. 6894 Depth 3271 Ft. Clock No. 6860Top Make Kuster Cap. 4150 No. 2607 ~~Inside~~ Outside Bottom Make Kuster Cap. 4150 No. 969 ~~Inside~~ OutsideBelow Straddle: Depth _____ Clock No. _____ ~~Inside~~ Outside Depth _____ Ft. Clock No. _____ ~~Inside~~ OutsideTop Make _____ Cap. _____ No. _____ ~~Inside~~ Outside Bottom Make _____ Cap. _____ No. _____ ~~Inside~~ OutsideTime Set Packer 5:22 PMTool Open I.F.P. From 5:25 M. to 5:40P M. Hr. 15 Min. From (B) 12 P.S.I. To (C) 12 P.S.I.Tool Closed I.C.I.P. From 5:40 M. to 6:10P M. Hr. 30 Min. (D) 69 P.S.I.Tool Open F.F.P. From 6:10 M. to 6:40P M. Hr. 30 Min. From (E) 21 P.S.I. To (F) 21 P.S.I.Tool Closed F.C.I.P. From 6:40 M. to 7:10P M. Hr. 30 Min. (G) 37 P.S.I.Initial Hydrostatic Pressure (A) 1909 P.S.I. Final Hydrostatic Pressure (H) 1892 P.S.I.SURFACE Size Choke 3/8 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____

INFORMATION _____ M. _____

_____ M. _____

_____ M. _____

BLOW Weak blow for 12 minutes Bottom Choke Size 2 3/4Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 5 feet mudReversed Out _____ Yes ☒ No _____ Mud Type gel Viscosity 45 Weight 10.7 Water Loss 9.6 cc. Maximum Temp. 97 °FType Circ. Sub. plug Did Tool Plug? no Jars: Size _____ Make _____ Ser. No. _____EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Did Packer Hold? yes Where? _____Length Drill Pipe 2355 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 870 ft. I.D. Weight Pipe 2.8 in. Length Drill Collars _____ ft.I. D. Drill Collars _____ in. Length D.S.T. Tool 50 ft.

Remarks _____



Home Office: Great Bend, Kansas
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RIGHT SIDE

Company: Allison & Black		License & Well No. Licensee: Kansas W. 1	
Location: 2047 Kelly Mustang Formation		Executive Pay	
Date: 11-15-58		State: Kansas	
Tool Approved by: E. E. Winkler		Western Representative: Bertell Vernon	
Formation Test No. 2 OK		Interval tested from 3252' to 3272'	
Size Main Hole 7 7/8"		Conv. B.T. Damaged Yes	
Top Packet Depth 3251'		P. Size 6 3/4"	
Stable Yes		Conv. B.T. Damaged Yes	
Tool Size 5 1/2"		Tool ID Size 4 1/2"	
RECORDS: Depth 3257'		P. Clock No. 3271	
Top Make: Cap 4 1/2"		Bottom Make: Cap 4 1/2"	
Inside Outside		Inside Outside	
Bottom: Inside Outside		Bottom: Inside Outside	
Top Make: Cap		Bottom Make: Cap	
P. Size 5 1/2"		P. Size 5 1/2"	
Tool Open P.P. from 5:25 M. to 5:40 P.M.		Hr. 12 Min. from (B) 12 P.S.L. To (C) 12 P.S.L.	
Tool Closed P.P. from 5:40 M. to 5:10 P.M.		Hr. 30 Min. (D) 09 P.S.L.	
Tool Open P.P. from 5:10 M. to 5:40 P.M.		Hr. 30 Min. from (E) 21 P.S.L. To (F) 21 P.S.L.	
Tool Closed P.P. from 5:40 M. to 7:10 P.M.		Hr. 30 Min. (G) 37 P.S.L.	
Interval Hydraulic Pressure (A) 1000 P.S.L.		Final Hydraulic Pressure (H) 1000 P.S.L.	
SURFACE		Description of Flow	
Max. Press. P.S.L. 375		Time	
INFORMATION		M.	
BLOW		Work flow for 12 minutes	
Did Well Flow Yes		Recovery Total P. 5 feet mud	
Reversed Out Yes		Mud Type sol	
Type Circ. Sep. plug		Did Tool Plug? no	
EXTRA-EQUIPMENT: Dual Packers yes		Safety Joint no	
Length Drill Pipe 2352' to 10' Drill Pipe 3.8'		L.D. Weight Pipe 2.8'	
L.D. Drill Collar 20'		L.D. Weight Pipe 2.8'	
Remarks		Bottom Check 21'	

WESTERN TESTING CO., INC.

Pressure Data

ate 11-18-68 Test Ticket No. 11831
 recorder No. 2607 Capacity 4150 Location 3267 Ft.
 lock No. 6894 Elevation 2047 Kelly Bushing Well Temperature 97 °F

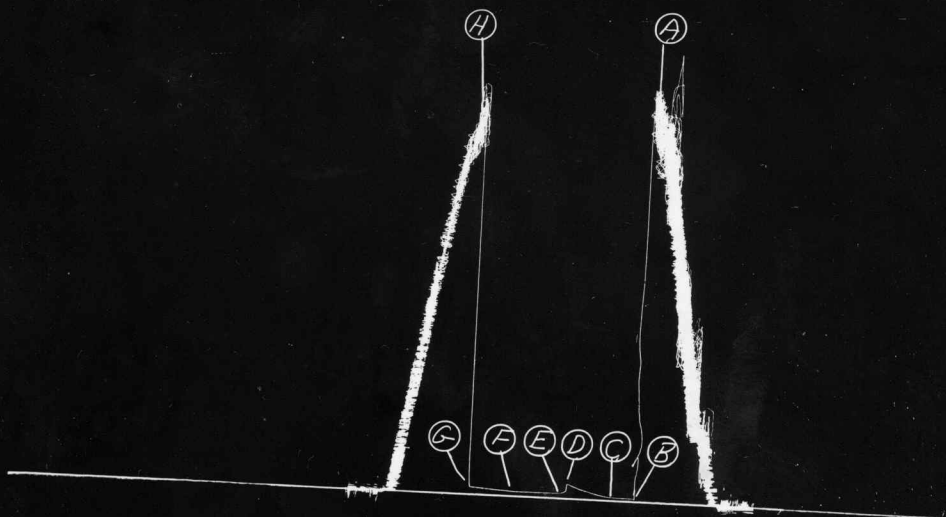
Point	Pressure		Time Given	Time Computed
Initial Hydrostatic Mud	<u>1909</u> P.S.I.	Opened Tool	<u>5:22P</u> M	
First Initial Flow Pressure	<u>12</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
First Final Flow Pressure	<u>12</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
Initial Closed-in Pressure	<u>69</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
Second Initial Flow Pressure	<u>21</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
Second Final Flow Pressure	<u>21</u> P.S.I.			
Final Closed-in Pressure	<u>37</u> P.S.I.			
Final Hydrostatic Mud	<u>1892</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In		
Breakdown: <u>3</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>6</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 _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		
Point ins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
1	<u>0</u>	<u>12</u>	<u>0</u>	<u>12</u>	<u>0</u>	<u>21</u>	<u>0</u>	<u>21</u>
2	<u>5</u>	<u>12</u>	<u>3</u>	<u>12</u>	<u>5</u>	<u>21</u>	<u>3</u>	<u>21</u>
3	<u>10</u>	<u>12</u>	<u>6</u>	<u>18</u>	<u>10</u>	<u>21</u>	<u>6</u>	<u>21</u>
4	<u>15</u>	<u>12</u>	<u>9</u>	<u>25</u>	<u>15</u>	<u>21</u>	<u>9</u>	<u>23</u>
5			<u>12</u>	<u>30</u>	<u>20</u>	<u>21</u>	<u>12</u>	<u>25</u>
6			<u>15</u>	<u>35</u>	<u>25</u>	<u>21</u>	<u>15</u>	<u>27</u>
7			<u>18</u>	<u>42</u>	<u>30</u>	<u>21</u>	<u>18</u>	<u>29</u>
8			<u>21</u>	<u>48</u>			<u>21</u>	<u>31</u>
9			<u>24</u>	<u>54</u>			<u>24</u>	<u>33</u>
0			<u>27</u>	<u>63</u>			<u>27</u>	<u>35</u>
1			<u>30</u>	<u>69</u>			<u>30</u>	<u>37</u>
2								
3								
4								
5								
6								
7								
8								
9								
0								

ALLISON & BLACK
LEGLEITER ESTATE #1

T.K.T 11831
TEST #2



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1920	1909	PSI
(B) First Initial Flow Pressure	14	12	PSI
(C) First Final Flow Pressure	18	12	PSI
(D) Initial Closed-in Pressure	73	69	PSI
(E) Second Initial Flow Pressure	23	21	PSI
(F) Second Final Flow Pressure	23	21	PSI
(G) Final Closed-in Pressure	42	37	PSI
(H) Final Hydrostatic Mud	1910	1892	PSI



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

Company Allison & Black Lease & Well No. Legleiter Estate # 1
Elevation 2047 Kelly Bushing Formation Kansas City Effective Pay _____ Ft. Ticket No. 11832
Date 11-19-68 Sec. 23 Twp. 16s Range 18w County Rush State Kansas
Test Approved by R. B. Jenkins Western Representative Gerrell Veatch

Formation Test No. 3 O.K. ☒ Misrun _____ Interval Tested From 3278' to 3310' Total Depth 3310'
Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No
top Packer Depth 3274 Ft. Size 6 3/4 Packer Depth 3278 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 32 Ft. Size 5 1/2" OD

RECORDERS Depth 3302 Ft. Clock No. 6894 Depth 3306 Ft. Clock No. 6860
Top Make Kuster Cap. 4150 No. 2607 Inside _____ Outside _____ Bottom Make Kuster Cap. 4150 No. 969 Inside _____ Outside _____
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer 4:22 AM
Tool Open I.F.P. From 4:25 M. to 4:30A M. Hr. 5 Min. From (B) 40 P.S.I. To (C) 40 P.S.I.
Tool Closed I.C.I.P. From 4:30 M. to 5:00A M. Hr. 30 Min. (D) 1096 P.S.I.
Tool Open F.F.P. From 5:00 M. to 6:00A M. Hr. 60 Min. From (E) 37 P.S.I. To (F) 72 P.S.I.
Tool Closed F.C.I.P. From 6:00 M. to 6:30A M. Hr. 30 Min. (G) 1095 P.S.I.
Initial Hydrostatic Pressure (A) 1836 P.S.I. Final Hydrostatic Pressure (H) 1825 P.S.I.

SURFACE Size Choke 3/8 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Strong (gas to surface in 60 minutes) Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 20 feet drilling mud

Reversed Out _____ Yes ☒ No _____ Mud Type gel Viscosity 45 Weight 10.1 Water Loss 9.3 cc. Maximum Temp. 98 °F
Type Circ. Sub. plug Did Tool Plug? no Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Did Packer Hold? yes Where? _____
Length Drill Pipe 2388 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 870 ft. I.D. Weight Pipe 2.8 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 52 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date 11-19-68 Test Ticket No. 11832
 Recorder No. 2607 Capacity 4150 Location 3302 Ft.
 Clock No. 6894 Elevation 2047 Kelly Bushing Well Temperature 98 °F

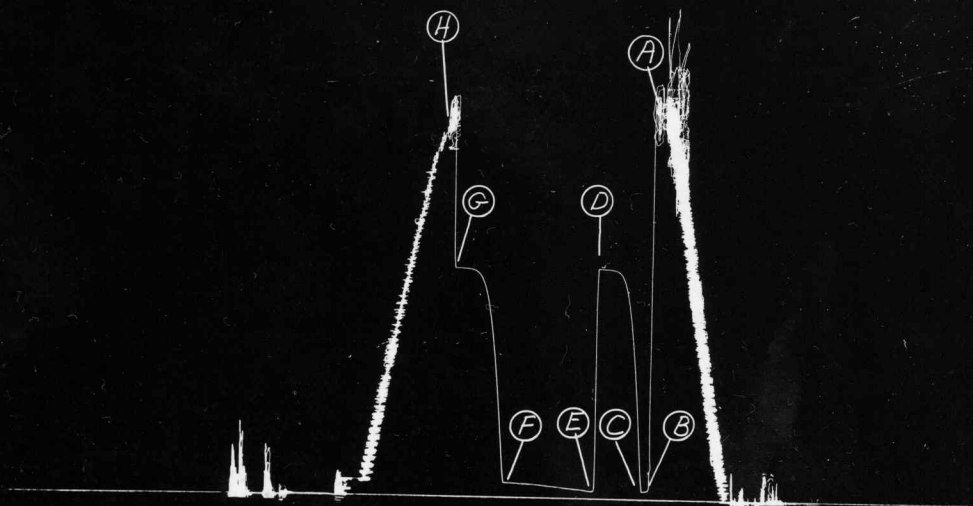
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1836</u> P.S.I.	<u>4:22A</u> M	
B First Initial Flow Pressure	<u>40</u> P.S.I.	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>40</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1096</u> P.S.I.	<u>60</u> Mins.	<u>59</u> Mins.
E Second Initial Flow Pressure	<u>37</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>72</u> P.S.I.		
G Final Closed-in Pressure	<u>1095</u> P.S.I.		
H Final Hydrostatic Mud	<u>1825</u> 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>11</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 _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>40</u>	<u>0</u>	<u>40</u>	<u>0</u>	<u>37</u>	<u>0</u>	<u>72</u>
P 2 <u>5</u>	<u>40</u>	<u>3</u>	<u>447</u>	<u>5</u>	<u>40</u>	<u>3</u>	<u>379</u>
P 3 _____		<u>6</u>	<u>757</u>	<u>10</u>	<u>44</u>	<u>6</u>	<u>633</u>
P 4 _____		<u>9</u>	<u>920</u>	<u>15</u>	<u>48</u>	<u>9</u>	<u>843</u>
P 5 _____		<u>12</u>	<u>1031</u>	<u>20</u>	<u>52</u>	<u>12</u>	<u>974</u>
P 6 _____		<u>15</u>	<u>1079</u>	<u>25</u>	<u>54</u>	<u>15</u>	<u>1052</u>
P 7 _____		<u>18</u>	<u>1089</u>	<u>30</u>	<u>58</u>	<u>18</u>	<u>1077</u>
P 8 _____		<u>21</u>	<u>1094</u>	<u>35</u>	<u>63</u>	<u>21</u>	<u>1087</u>
P 9 _____		<u>24</u>	<u>1096</u>	<u>40</u>	<u>65</u>	<u>24</u>	<u>1091</u>
P 10 _____		<u>27</u>	<u>1096</u>	<u>45</u>	<u>67</u>	<u>27</u>	<u>1093</u>
P 11 _____		<u>30</u>	<u>1096</u>	<u>50</u>	<u>69</u>	<u>30</u>	<u>1095</u>
P 12 _____				<u>55</u>	<u>71</u>		
P 13 _____				<u>59</u>	<u>72</u>		
P 14 _____							
P 15 _____							
P 16 _____							
P 17 _____							
P 18 _____							
P 19 _____							
P 20 _____							

ALLISON & BLACK
LEGLEITER ESTATE #1

T.K.T 11832
TEST #3



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1900	1836	PSI
(B) First Initial Flow Pressure	42	40	PSI
(C) First Final Flow Pressure	42	40	PSI
(D) Initial Closed-in Pressure	1091	1096	PSI
(E) Second Initial Flow Pressure	42	37	PSI
(F) Second Final Flow Pressure	71	72	PSI
(G) Final Closed-in Pressure	1091	1095	PSI
(H) Final Hydrostatic Mud	1890	1825	PSI



TIGHT HOLE

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

Company Allison & Black Lease & Well No. Legleiter Estate # 1

Elevation 2047 Kelly Dushing Formation Kansas City Effective Pay _____ Ft. Ticket No. 11833

Date 11-19-68 Sec. 23 Twp. 16s Range 18w County Rush State Kansas

Test Approved by B. B. Jenkins Western Representative Gerrell Veatch

Formation Test No. 4 O.K. ☒ Misrun _____ Interval Tested From 3310' to 3330' Total Depth 3330'

Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No

top Packer Depth 3306 Ft. Size 6 3/4 Packer Depth 3310 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 20 Ft. Size 5 1/2" OD

RECORDERS	Depth	Ft.	Clock No.	Depth	Ft.	Clock No.
Top Make <u>Kuster</u> Cap. <u>4150</u> No. <u>2607</u>				Bottom Make <u>Kuster</u> Cap. <u>4150</u> No. <u>969</u>		
Below Straddle: Depth _____ Clock No. _____				Depth _____ Ft. Clock No. _____		
Top Make _____ Cap. _____ No. _____				Bottom Make _____ Cap. _____ No. _____		

Time Set Packer 6:08 PM

Tool Open I.F.P. From 6:11 M. to 6:15P M. Hr. 4 Min. From (B) 370 P.S.I. To (C) 366 P.S.I.

Tool Closed I.C.I.P. From 6:15 M. to 6:45P M. Hr. 30 Min. (D) 1091 P.S.I.

Tool Open F.F.P. From 6:45 M. to 7:45P M. Hr. 60 Min. From (E) 336 P.S.I. To (F) 300 P.S.I.

Tool Closed F.C.I.P. From 7:45 M. to 8:15P M. Hr. 30 Min. (G) 1068 P.S.I.

Initial Hydrostatic Pressure (A) 1947 P.S.I. Final Hydrostatic Pressure (H) 1936 P.S.I.

SURFACE	Size Choke	In.	Max. Press. P.S.I.	Time	Description of Flow
INFORMATION	<u>2 2" I.D. Impact 1/8" tube</u>	<u>7#</u>		<u>6:50P.M.</u>	<u>1,930,000</u>
	<u>2 1/2" I.D. Impact 1/8" tube</u>	<u>9#</u>		<u>7:00P.M.</u>	<u>2,190,000</u>
	<u>2" I.D. impact 1/8" tube</u>	<u>9#</u>		<u>7:45p.M.</u>	<u>2,190,000</u>

BLOW Gas to surface in 3 minutes (will burn) Bottom Choke Size 3/4 In.

Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 5 feet drilling mud

Reversed Out _____ Yes ☒ No _____ Mud Type gel Viscosity 44 Weight 10.6 Water Loss 9.0 cc. Maximum Temp. 98 °F

Type Circ. Sub. plug Did Tool Plug? no Jars: Size _____ Make _____ Ser. No. _____

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Did Packer Hold? yes Where? _____

Length Drill Pipe 2420 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 870 ft. I.D. Weight Pipe 2.8 in. Length Drill Collars _____ ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool 40 ft.

Remarks _____

WESTERN TESTING CO., INC.

Pressure Data

Date 11-19-68 Test Ticket No. 11833
 Recorder No. 2607 Capacity 4150 Location 3322 Ft.
 Clock No. 6894 Elevation 2047 Kelly Bushing Well Temperature 98 °F

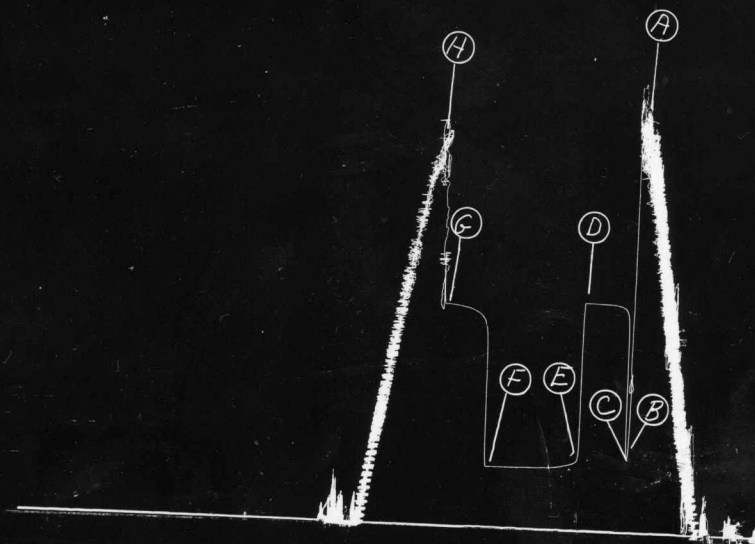
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1947</u> P.S.I.	<u>6:08P</u> M	
B First Initial Flow Pressure	<u>370</u> P.S.I.	<u>4</u> Mins.	<u>4</u> Mins.
C First Final Flow Pressure	<u>366</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1091</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>336</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>300</u> P.S.I.		
G Final Closed-in Pressure	<u>1068</u> P.S.I.		
H Final Hydrostatic Mud	<u>1936</u> 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>12</u> Inc.		Breakdown: <u>10</u> Inc.	
of <u>4</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 _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>370</u>	<u>0</u>	<u>366</u>	<u>0</u>	<u>336</u>	<u>0</u>	<u>300</u>
P 2 <u>4</u>	<u>366</u>	<u>3</u>	<u>1068</u>	<u>5</u>	<u>324</u>	<u>3</u>	<u>974</u>
P 3 _____		<u>6</u>	<u>1077</u>	<u>10</u>	<u>313</u>	<u>6</u>	<u>1020</u>
P 4 _____		<u>9</u>	<u>1083</u>	<u>15</u>	<u>307</u>	<u>9</u>	<u>1035</u>
P 5 _____		<u>12</u>	<u>1087</u>	<u>20</u>	<u>304</u>	<u>12</u>	<u>1048</u>
P 6 _____		<u>15</u>	<u>1091</u>	<u>25</u>	<u>301</u>	<u>15</u>	<u>1054</u>
P 7 _____		<u>18</u>	<u>1091</u>	<u>30</u>	<u>301</u>	<u>18</u>	<u>1058</u>
P 8 _____		<u>21</u>	<u>1091</u>	<u>35</u>	<u>301</u>	<u>21</u>	<u>1062</u>
P 9 _____		<u>24</u>	<u>1091</u>	<u>40</u>	<u>300</u>	<u>24</u>	<u>1064</u>
P 10 _____		<u>27</u>	<u>1091</u>	<u>45</u>	<u>300</u>	<u>27</u>	<u>1066</u>
P 11 _____		<u>30</u>	<u>1091</u>	<u>50</u>	<u>300</u>	<u>30</u>	<u>1068</u>
P 12 _____				<u>55</u>	<u>300</u>		
P 13 _____				<u>60</u>	<u>300</u>		
P 14 _____							
P 15 _____							
P 16 _____							
P 17 _____							
P 18 _____							
P 19 _____							
P 20 _____							

ALLISON & BLACK
LEBLEITER ESTATE #1

T.K.T. 11833
TEST #4



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1960	1947	PSI
(B) First Initial Flow Pressure	360	370	PSI
(C) First Final Flow Pressure	360	366	PSI
(D) Initial Closed-in Pressure	1087	1091	PSI
(E) Second Initial Flow Pressure	317	336	PSI
(F) Second Final Flow Pressure	296	300	PSI
(G) Final Closed-in Pressure	1077	1068	PSI
(H) Final Hydrostatic Mud	1950	1936	PSI



TIGHT HOLE

Home Office: Great Bend, Kansas

P. O. Box 793

(316) 793-7903

Company Allison & Black Lease & Well No. Legleiter Estate # 1Elevation 2047 Kelly Bushing Formation Kansas City Effective Pay _____ Ft. Ticket No. 11834Date 11-20-68 Sec. 23 Twp. 16s Range 18w County Rush State KansasTest Approved by R. B. Jinkins Western Representative Gerrell VeatchFormation Test No. 5 O.K. ☒ Misrun _____ Interval Tested From 3333' to 3350' Total Depth 3350'Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. ☒ B.T. _____ Damaged _____ Yes ☒ Notop Packer Depth 3329 Ft. Size 6 3/4 Packer Depth 3333 Ft. Size 6 3/4Straddle _____ 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 17 Ft. Size 5 1/2" ODRECORDERS Depth 3342 Ft. Clock No. 6894 Depth 3346 Ft. Clock No. 6860Top Make Kuster Cap. 4150 No. 2607 Inside Bottom Make Kuster Cap. 4150 No. 969 InsideBelow Straddle: Depth _____ Clock No. _____ Inside Depth _____ Ft. Clock No. _____ InsideTop Make _____ Cap. _____ No. _____ Inside Bottom Make _____ Cap. _____ No. _____ InsideTime Set Packer 4:32 AMTool Open I.F.P. From 4:35 M. to 4:45A M. Hr. 10 Min. From (B) 27 P.S.I. To (C) 27 P.S.I.Tool Closed I.C.I.P. From 4:45 M. to 5:15A M. Hr. 30 Min. (D) 512 P.S.I.Tool Open F.F.P. From 5:15 M. to 6:15A M. Hr. 60 Min. From (E) 37 P.S.I. To (F) 52 P.S.I.Tool Closed F.C.I.P. From 6:15 M. to 6:45A M. Hr. 30 Min. (G) 351 P.S.I.Initial Hydrostatic Pressure (A) 1861 P.S.I. Final Hydrostatic Pressure (H) 1857 P.S.I.SURFACE Size Choke 3/8 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____

INFORMATION _____ M. _____

_____ M. _____

_____ M. _____

BLOW Strong Bottom Choke Size _____ In.Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 1800 feet gas in pipe--100 feet muddy waterReversed Out _____ Yes ☒ No _____ Mud Type gel Viscosity 44 Weight 10.6 Water Loss 9.0 cc. Maximum Temp. 99 °FType Circ. Sub. plug Did Tool Plug? no Jars: Size _____ Make _____ Ser. No. _____EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Did Packer Hold? yes Where? _____Length Drill Pipe 2443 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 870 ft. I.D. Weight Pipe 3.8 in. Length Drill Collars _____ ft.I. D. Drill Collars _____ in. Length D.S.T. Tool 37 ft.

Remarks _____

WESTERN TESTING CO., INC. Pressure Data

Date ~~11-1~~ 11-20-68

Test Ticket No. 11834

Recorder No. 2607 Capacity 4150 Location 3342 Ft.

Clock No. 6894 Elevation 2047 Kelly Bushing Well Temperature 99 °F

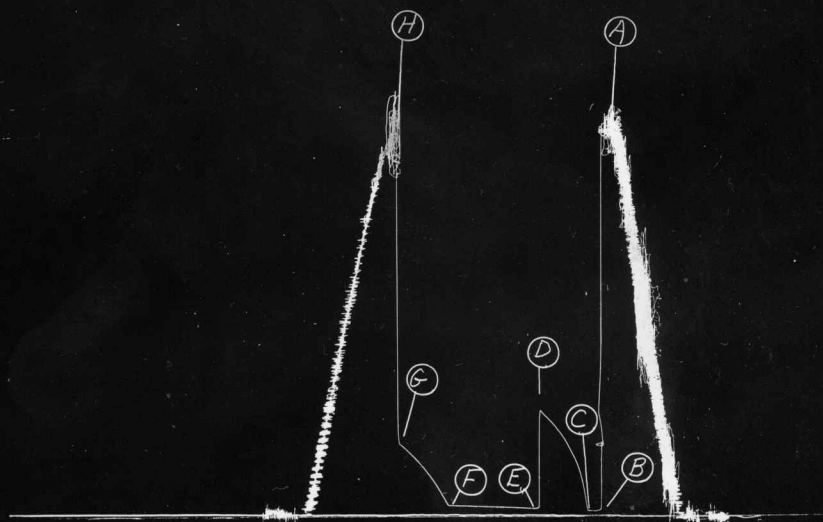
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1861	P.S.I.	4:32A	M
B First Initial Flow Pressure	27	P.S.I.	10 Mins.	10 Mins.
C First Final Flow Pressure	27	P.S.I.	30 Mins.	30 Mins.
D Initial Closed-in Pressure	512	P.S.I.	60 Mins.	58 Mins.
E Second Initial Flow Pressure	37	P.S.I.	30 Mins.	31 Mins.
F Second Final Flow Pressure	52	P.S.I.		
G Final Closed-in Pressure	351	P.S.I.		
H Final Hydrostatic Mud	1857	P.S.I.		

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 2 Inc.		Breakdown: 10 Inc.		Breakdown: 11 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 Min.		final inc. of Min.		final inc. of 3 Min.		final inc. of 1 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	27	0	27	0	37	0	52
P 2 5	27	3	148	5	37	3	88
P 3 10	27	6	239	10	37	6	126
P 4		9	288	15	39	9	162
P 5		12	332	20	41	12	194
P 6		15	372	25	43	15	226
P 7		18	405	30	46	18	254
P 8		21	434	35	48	21	279
P 9		24	459	40	49	24	300
P10		27	480	45	50	27	321
P11		30	512	50	51	30	343
P12				55	52	31	351
P13				58	52		
P14							
P15							
P16							
P17							
P18							
P19							
P20							

ALLISON & BLACK
LEGLEITER ESTATE #1

T.K.T 11834
TEST# 5



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1865	1861	PSI
(B) First Initial Flow Pressure	29	27	PSI
(C) First Final Flow Pressure	29	27	PSI
(D) Initial Closed-in Pressure	518	512	PSI
(E) Second Initial Flow Pressure	37	37	PSI
(F) Second Final Flow Pressure	56	52	PSI
(G) Final Closed-in Pressure	349	351	PSI
(H) Final Hydrostatic Mud	1855	1857	PSI



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

Company Allison & Black Lease & Well No. Legleiter Estate # 1
Elevation 2047 Kelly Bushing Formation Kansas City Effective Pay _____ Ft. Ticket No. 11835
Date 11-20-68 Sec. 23 Twp. 16 Range 18w County Rush State Kansas
Test Approved by R. B. Jenkins Western Representative Gerrell Veatch
Formation Test No. 6 O.K. ☒ Misrun _____ Interval Tested From 3350' to 3372' Total Depth 3372'
Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No
top Packer Depth 3346 Ft. Size 6 3/4 Packer Depth 3350 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 22 Ft. Size 5 1/2" OD
RECORDERS Depth 3364 Ft. Clock No. 68 94 Depth 3368 Ft. Clock No. 6860
Top Make Kuster Cap. 4150 No. 2607 Inside Bottom Make Kuster Cap. 4150 No. 969 Inside
Below Straddle: Depth _____ Clock No. _____ Inside Depth _____ Ft. Clock No. _____ Inside
Top Make _____ Cap. _____ No. _____ Inside Bottom Make _____ Cap. _____ No. _____ Inside
Time Set Packer 2:47 PM
Tool Open I.F.P. From 2:50 M. to 3:00P M. Hr. 10 Min. From (B) 17 P.S.I. To (C) 23 P.S.I.
Tool Closed I.C.I.P. From 3:00 M. to 3:30P M. Hr. 30 Min. (D) 1068 P.S.I.
Tool Open F.F.P. From 3:30 M. to 4:30P M. Hr. 60 Min. From (E) 40 P.S.I. To (F) 95 P.S.I.
Tool Closed F.C.I.P. From 4:30 M. to 5:00P M. Hr. 30 Min. (G) 935 P.S.I.
Initial Hydrostatic Pressure (A) 1950 1914 P.S.I. Final Hydrostatic Pressure (H) 1907 P.S.I.
SURFACE Size Choke 3/8 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW Fair Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 175 feet muddy salt water
Reversed Out _____ Yes ☒ No _____ Mud Type gel Viscosity 44 Weight 10.1 Water Loss 8.8 cc. Maximum Temp. 99 °F
Type Circ. Sub. plug Did Tool Plug? no Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers. yes Safety Joint no Did Packer Hold? yes Where? _____
Length Drill Pipe 2460 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 870 ft. I.D. Weight Pipe 2.8 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 42 ft.
Remarks _____

WESTERN TESTING CO., INC.

Pressure Data

Date 11-20-68 Test Ticket No. 11835
 Recorder No. 2607 Capacity _____ Location 3364 Ft.
 Clock No. 6894 Elevation 2047 Kelly Bushing Well Temperature 99 °F

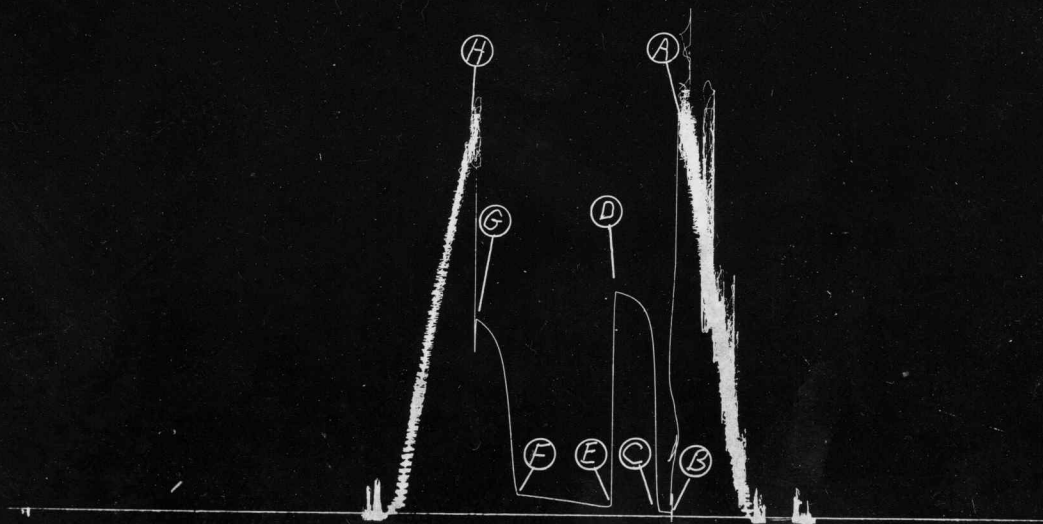
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1914</u> P.S.I.	Opened Tool	<u>2:50P</u> M	
B First Initial Flow Pressure	<u>17</u> P.S.I.	First Flow Pressure	<u>10</u> Mins.	<u>9</u> Mins.
C First Final Flow Pressure	<u>23</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1068</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>40</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>95</u> P.S.I.			
G Final Closed-in Pressure	<u>935</u> P.S.I.			
H Final Hydrostatic Mud	<u>1907</u> 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>12</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>4</u> Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>17</u>	<u>0</u>	<u>23</u>	<u>0</u>	<u>40</u>	<u>0</u>	<u>95</u>
P 2 <u>5</u>	<u>21</u>	<u>3</u>	<u>290</u>	<u>5</u>	<u>43</u>	<u>3</u>	<u>234</u>
P 3 <u>9</u>	<u>23</u>	<u>6</u>	<u>756</u>	<u>10</u>	<u>48</u>	<u>6</u>	<u>423</u>
P 4 _____	_____	<u>9</u>	<u>929</u>	<u>15</u>	<u>52</u>	<u>9</u>	<u>645</u>
P 5 _____	_____	<u>12</u>	<u>977</u>	<u>20</u>	<u>57</u>	<u>12</u>	<u>758</u>
P 6 _____	_____	<u>15</u>	<u>1012</u>	<u>25</u>	<u>63</u>	<u>15</u>	<u>821</u>
P 7 _____	_____	<u>18</u>	<u>1033</u>	<u>30</u>	<u>69</u>	<u>18</u>	<u>864</u>
P 8 _____	_____	<u>21</u>	<u>1043</u>	<u>35</u>	<u>74</u>	<u>21</u>	<u>889</u>
P 9 _____	_____	<u>24</u>	<u>1054</u>	<u>40</u>	<u>79</u>	<u>24</u>	<u>912</u>
P 10 _____	_____	<u>27</u>	<u>1062</u>	<u>45</u>	<u>84</u>	<u>27</u>	<u>924</u>
P 11 _____	_____	<u>30</u>	<u>1068</u>	<u>50</u>	<u>89</u>	<u>30</u>	<u>935</u>
P 12 _____	_____	_____	_____	<u>55</u>	<u>92</u>	_____	_____
P 13 _____	_____	_____	_____	<u>60</u>	<u>95</u>	_____	_____
P 14 _____	_____	_____	_____	_____	_____	_____	_____
P 15 _____	_____	_____	_____	_____	_____	_____	_____
P 16 _____	_____	_____	_____	_____	_____	_____	_____
P 17 _____	_____	_____	_____	_____	_____	_____	_____
P 18 _____	_____	_____	_____	_____	_____	_____	_____
P 19 _____	_____	_____	_____	_____	_____	_____	_____
P 20 _____	_____	_____	_____	_____	_____	_____	_____

ALLISON & BLACK
LEBLEITER ESTATE #1

T.K.T 11835
TEST #6



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1950	1914	PSI
(B) First Initial Flow Pressure	18	17	PSI
(C) First Final Flow Pressure	29	23	PSI
(D) Initial Closed-in Pressure	1073	1068	PSI
(E) Second Initial Flow Pressure	40	40	PSI
(F) Second Final Flow Pressure	82	95	PSI
(G) Final Closed-in Pressure	924	935	PSI
(H) Final Hydrostatic Mud	1940	1907	PSI



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

Company Allison & Black Lease & Well No. Legleiter Estate # 1
Elevation 2047 Kelly Bushing Formation Kansas City Effective Pay _____ Ft. Ticket No. 11836
Date 11-21-68 Sec. 23 Twp. 16 Range 18w County Rush State Kansas
Test Approved by R. B. Jenkins Western Representative Gerrall Weatch
Formation Test No. 7 O.K. ☒ Misrun _____ Interval Tested From 3371' to 3400' Total Depth 3400'
Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No
top Packer Depth 3367 Ft. Size 6 3/4 Packer Depth 3371 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 _____ Ft. Size 5 1/2" OD
RECORDERS Depth 3392 Ft. Clock No. 6894 Depth 3396 Ft. Clock No. 6860
Top Make Kuster Cap. 4150 No. 2607 Inside Outside Bottom Make Kuster Cap. 4150 No. 969 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 1:57A M
Tool Open I.F.P. From 2:00 M. to 2:15 M. Hr. 15 Min. From (B) 25 P.S.I. To (C) 27 P.S.I.
Tool Closed I.C.I.P. From 2:15 M. to 2:45A M. Hr. 30 Min. (D) 379 P.S.I.
Tool Open F.F.P. From 2:45 M. to 3:30A M. Hr. 45 Min. From (E) 33 P.S.I. To (F) 37 P.S.I.
Tool Closed F.C.I.P. From 3:30 M. to 4:00A M. Hr. 30 Min. (G) 82 P.S.I.
Initial Hydrostatic Pressure (A) 1897 P.S.I. Final Hydrostatic Pressure (H) 1884 P.S.I.
SURFACE Size Choke 3/8 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW Very weak blow for 30 minutes Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 20 feet drilling mud with spots oil
Reversed Out _____ Yes ☒ No _____ Mud Type gel Viscosity 44 Weight 10.2 Water Loss 8.2 cc. Maximum Temp. 99 °F
Type Circ. Sub. plug Did Tool Plug? _____ Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Did Packer Hold? yes Where? _____
Length Drill Pipe 2481 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 870 ft. I.D. Weight Pipe 2.8 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 49 ft.
Remarks _____

WESTERN TESTING CO., INC.

Pressure Data

Date 11-21-68 Test Ticket No. 11836
 Recorder No. 2607 Capacity 4150 Location 3392 Ft.
 Clock No. 6894 Elevation 2047 Kelly Bushing Well Temperature 99 °F

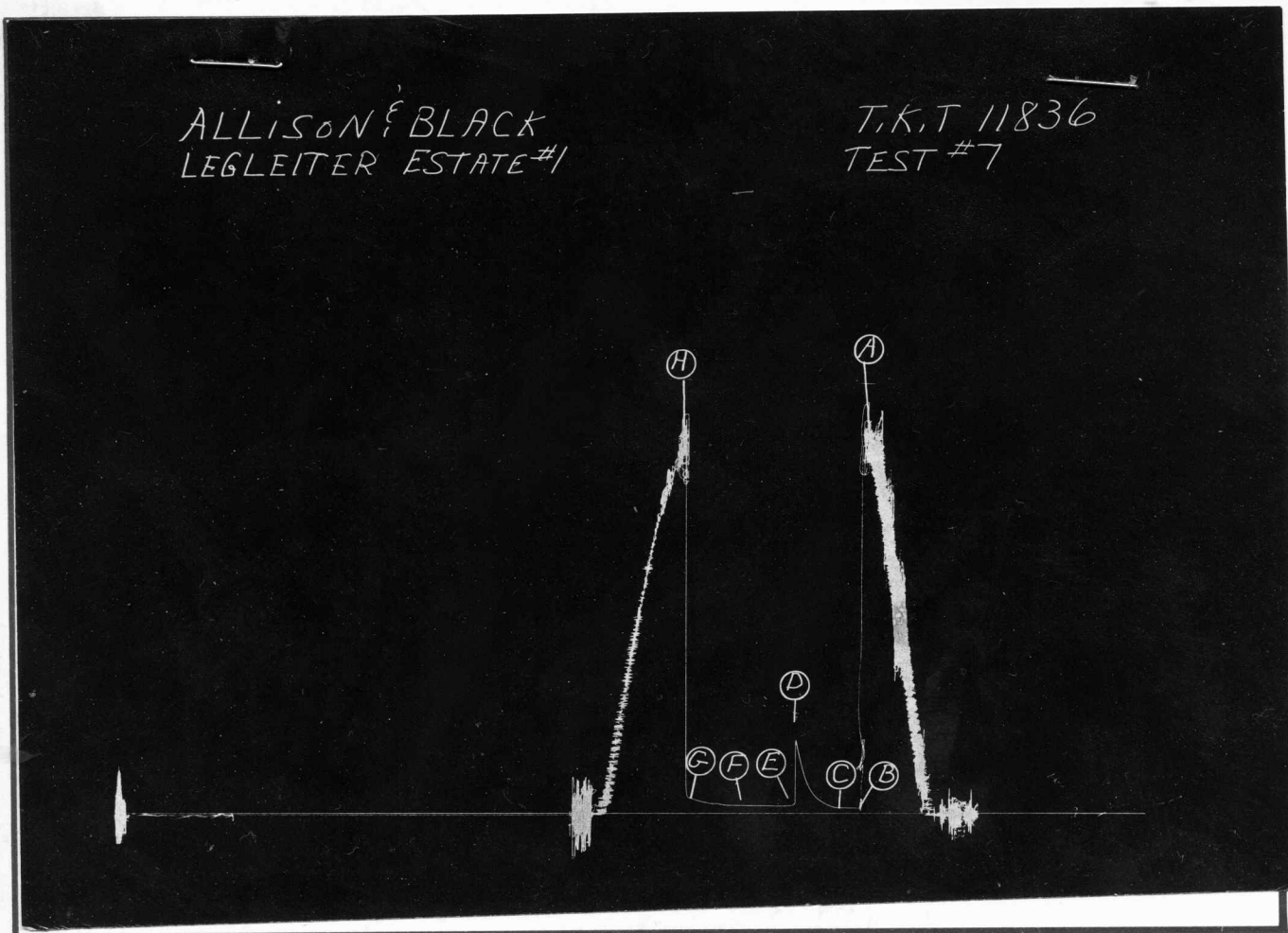
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1897</u> P.S.I.	Opened Tool	<u>2:00A</u> M	
B First Initial Flow Pressure	<u>25</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>27</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>29</u> Mins.
D Initial Closed-in Pressure	<u>379</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>33</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>37</u> P.S.I.			
G Final Closed-in Pressure	<u>82</u> P.S.I.			
H Final Hydrostatic Mud	<u>1884</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>9</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 _____ Min.		final inc. of <u>2</u> Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>25</u>	<u>0</u>	<u>25</u>	<u>0</u>	<u>33</u>	<u>0</u>	<u>37</u>
P 2 <u>5</u>	<u>25</u>	<u>3</u>	<u>36</u>	<u>5</u>	<u>33</u>	<u>3</u>	<u>37</u>
P 3 <u>10</u>	<u>27</u>	<u>6</u>	<u>44</u>	<u>10</u>	<u>33</u>	<u>6</u>	<u>41</u>
P 4 <u>15</u>	<u>27</u>	<u>9</u>	<u>56</u>	<u>15</u>	<u>35</u>	<u>9</u>	<u>44</u>
P 5 _____	_____	<u>12</u>	<u>69</u>	<u>20</u>	<u>35</u>	<u>12</u>	<u>47</u>
P 6 _____	_____	<u>15</u>	<u>91</u>	<u>25</u>	<u>35</u>	<u>15</u>	<u>50</u>
P 7 _____	_____	<u>18</u>	<u>123</u>	<u>30</u>	<u>37</u>	<u>18</u>	<u>55</u>
P 8 _____	_____	<u>21</u>	<u>175</u>	<u>35</u>	<u>37</u>	<u>21</u>	<u>61</u>
P 9 _____	_____	<u>24</u>	<u>264</u>	<u>40</u>	<u>37</u>	<u>24</u>	<u>67</u>
P 10 _____	_____	<u>27</u>	<u>332</u>	<u>45</u>	<u>37</u>	<u>27</u>	<u>76</u>
P 11 _____	_____	<u>29</u>	<u>379</u>	_____	_____	<u>30</u>	<u>82</u>
P 12 _____	_____	_____	_____	_____	_____	_____	_____
P 13 _____	_____	_____	_____	_____	_____	_____	_____
P 14 _____	_____	_____	_____	_____	_____	_____	_____
P 15 _____	_____	_____	_____	_____	_____	_____	_____
P 16 _____	_____	_____	_____	_____	_____	_____	_____
P 17 _____	_____	_____	_____	_____	_____	_____	_____
P 18 _____	_____	_____	_____	_____	_____	_____	_____
P 19 _____	_____	_____	_____	_____	_____	_____	_____
P 20 _____	_____	_____	_____	_____	_____	_____	_____

ALLISON & BLACK
LEGLEITER ESTATE #1

T.K.T 11836
TEST #7



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1890	1897	PSI
(B) First Initial Flow Pressure	29	25	PSI
(C) First Final Flow Pressure	33	27	PSI
(D) Initial Closed-in Pressure	370	379	PSI
(E) Second Initial Flow Pressure	35	33	PSI
(F) Second Final Flow Pressure	35	37	PSI
(G) Final Closed-in Pressure	73	82	PSI
(H) Final Hydrostatic Mud	1880	1884	PSI



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

Company Allison & Black Lease & Well No. Legleiter Estate # 1
Elevation 2047 Kelly Bushing Formation Kansas City Effective Pay _____ Ft. Ticket No. 11837
Date 11-21-68 Sec. 23 Twp. 16 Range 18w County Rush State Kansas
Test Approved by R. B. Jenkins Western Representative Gerrell Veatch
Formation Test No. 8 O.K. ☒ Misrun _____ Interval Tested From 3310' to 3330' Total Depth 3330'
Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. ☒ Damaged ☒ Yes ☒ No Conv. _____ B.T. _____ Damaged _____ Yes _____ No
Packer Depth 3310 Ft. Size 6 3/4 Packer Depth _____ Ft. Size _____
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 20 Ft. Size 5 1/2" OD
RECORDERS Depth 3315 Ft. Clock No. 6894 Depth 3319 Ft. Clock No. 6860
Top Make Kuster Cap. 4150 No. 2607 Inside Bottom Make Kuster Cap. 4150 No. 969 Inside
Below Straddle: Depth 3336 Clock No. 147 Inside Depth 3340 Ft. Clock No. 104 Inside
Top Make WTC Cap. 4000 No. 26 Inside Bottom Make WTC Cap. 4000 No. 52 Inside
Time Set Packer 7:30 A
Tool Open I.F.P. From 7:35 M. to 7:45A M. Hr. 10 Min. From (B) 387 P.S.I. To (C) 345 P.S.I.
Tool Closed I.C.I.P. From 7:45 M. to 8:15A M. Hr. 30 Min. (D) 1087 P.S.I.
Tool Open F.F.P. From 8:15 M. to 10:15A M. Hr. 2 Min. From (E) 349 P.S.I. To (F) 307 P.S.I.
Tool Closed F.C.I.P. From 10:15 M. to 11:15A M. Hr. 1 Min. (G) 1074 P.S.I.
Initial Hydrostatic Pressure (A) 1798 P.S.I. Final Hydrostatic Pressure (H) 1783 P.S.I.
SURFACE Size Choke 2 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION 2 inch ID impact 1/8 inch tube M. _____
2" impact 1/8" tube 9 7:40A M. 2,190,000
2" impact 1/8" tube 10 10:15A M. 2,310,000
BLOW _____ Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. gas to surface in 3 minutes-- 25 feet drilling mud
Reversed Out _____ Yes ☒ No _____ Mud Type gel Viscosity 44 Weight 10.2 Water Loss 8.4 cc. Maximum Temp. 98 °F
Type Circ. Sub. plug Did Tool Plug? no Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers 2 Safety Joint no Did Packer Hold? yes Where? _____
Length Drill Pipe 2379 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 870 ft. I.D. Weight Pipe 2.8 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 48 ft.
Remarks Reset packer



P. O. BOX 793
GREAT BEND, KANSAS

COMPANY Allison & Black

Leleiter
Estate # 1
LEASE & WELL NO.

TEST NO. 8 INTERVAL TESTED FROM 3310' TO 3330'

TIME
PRE-FLOW

MAX PRESS. P.S.I.

DESCRIPTION OF FLOW

5 minutes on pre flow 2,190,000

5 minutes 2,190,000

10 minutes 2,190,000

15 minutes 2,310,000

30 minutes 2,310,000

45 minute 2,310,000

60 minutes 2,310,000

SECOND FLOW

75 minutes 2,310,000

90 minutes 2,310,000

105 minutes 2,310,000

120 minutes 2,310,000

SIZE CHOKE _____ SURFACE _____ IN. _____ BOTTOM _____ IN. _____

REMARKS _____

WESTERN TESTING CO., INC.
Pressure Data

Date 11-21-68 Test Ticket No. 11837
Recorder No. 2607 Capacity 4150 Location 3315 Ft.
Clock No. 6894 Elevation 2047 Kelly Bushing Well Temperature 98 °F

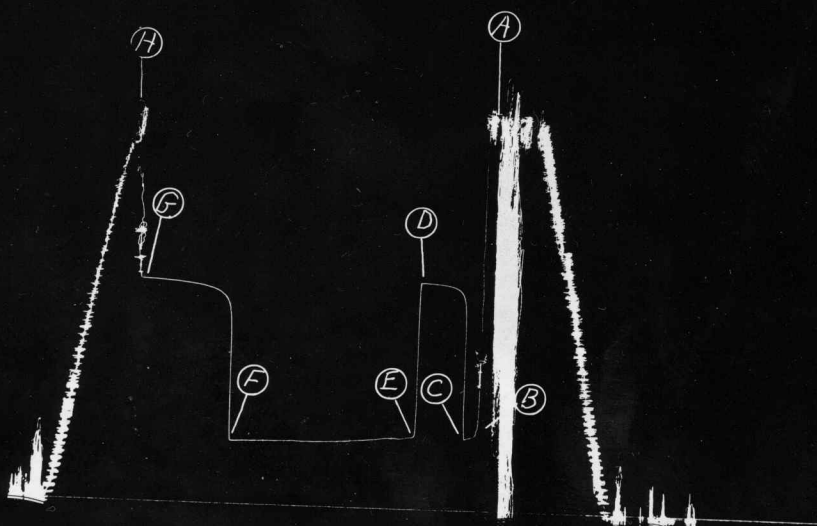
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1798</u>	P.S.I.	<u>7:30 A</u>	<u>M</u>
B First Initial Flow Pressure	<u>387</u>	P.S.I.	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure	<u>345</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1087</u>	P.S.I.	<u>120</u> Mins.	<u>120</u> Mins.
E Second Initial Flow Pressure	<u>349</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>307</u>	P.S.I.		
G Final Closed-in Pressure	<u>1074</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1783</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>2</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>24</u> Inc.		Breakdown: <u>20</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 _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>387</u>	<u>0</u>	<u>345</u>	<u>0</u>	<u>349</u>	<u>0</u>	<u>307</u>
P 2 <u>5</u>	<u>355</u>	<u>3</u>	<u>1021</u>	<u>5</u>	<u>247</u>	<u>3</u>	<u>949</u>
P 3 <u>10</u>	<u>345</u>	<u>6</u>	<u>1056</u>	<u>10</u>	<u>341</u>	<u>6</u>	<u>993</u>
P 4 _____		<u>9</u>	<u>1067</u>	<u>15</u>	<u>341</u>	<u>9</u>	<u>1014</u>
P 5 _____		<u>12</u>	<u>1075</u>	<u>20</u>	<u>340</u>	<u>12</u>	<u>1028</u>
P 6 _____		<u>15</u>	<u>1079</u>	<u>25</u>	<u>335</u>	<u>15</u>	<u>1035</u>
P 7 _____		<u>18</u>	<u>1081</u>	<u>30</u>	<u>330</u>	<u>18</u>	<u>1043</u>
P 8 _____		<u>21</u>	<u>1083</u>	<u>35</u>	<u>327</u>	<u>21</u>	<u>1048</u>
P 9 _____		<u>24</u>	<u>1085</u>	<u>40</u>	<u>325</u>	<u>24</u>	<u>1052</u>
P 10 _____		<u>27</u>	<u>1086</u>	<u>45</u>	<u>321</u>	<u>27</u>	<u>1055</u>
P 11 _____		<u>30</u>	<u>1087</u>	<u>50</u>	<u>319</u>	<u>30</u>	<u>1057</u>
P 12 _____				<u>55</u>	<u>317</u>	<u>33</u>	<u>1060</u>
P 13 _____				<u>60</u>	<u>315</u>	<u>36</u>	<u>1063</u>
P 14 _____				<u>65</u>	<u>314</u>	<u>39</u>	<u>1065</u>
P 15 _____				<u>70</u>	<u>313</u>	<u>42</u>	<u>1066</u>
P 16 _____				<u>75</u>	<u>313</u>	<u>45</u>	<u>1067</u>
P 17 _____				<u>80</u>	<u>313</u>	<u>48</u>	<u>1068</u>
P 18 _____				<u>85</u>	<u>313</u>	<u>51</u>	<u>1069</u>
P 19 _____				<u>90</u>	<u>311</u>	<u>54</u>	<u>1070</u>
P 20 _____				<u>95</u>	<u>312</u>	<u>57</u>	<u>1082</u>
				<u>100</u>	<u>311</u>		
				<u>105</u>	<u>310</u>		
				<u>110</u>	<u>309</u>		
				<u>115</u>	<u>308</u>		
				<u>120</u>	<u>307</u>		

ALLISON & BLACK
LEGLEITER ESTATE #1

T.K.T 11837
TEST #8



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1795	1798	PSI
(B) First Initial Flow Pressure	360	387	PSI
(C) First Final Flow Pressure	349	345	PSI
(D) Initial Closed-in Pressure	1080	1087	PSI
(E) Second Initial Flow Pressure	349	349	PSI
(F) Second Final Flow Pressure	307	307	PSI
(G) Final Closed-in Pressure	1077	1074	PSI
(H) Final Hydrostatic Mud	1785	1783	PSI