



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

Company Allison & Black Lease & Well No. Azman # 1-B

Elevation _____ Formation Kansas City Effective Pay _____ Ft. Ticket No. 12161

Date 11-29-68 Sec. 13 Twp. 17s Range 15w County Barton State Kansas

Test Approved by R. B. Jinkins Western Representative Edward Teel

Formation Test No. 1 O.K. ☒ Misrun _____ Interval Tested From 3171' to 3195' Total Depth 3195'

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

Packer Depth 3164 Ft. Size 6 3/4 Packer Depth 3171 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 24 Ft. Size 5 1/2" OD

RECORDERS Depth 3188 Ft. Clock No. 6896 Depth 3192 Ft. Clock No. 4964

Top Make Kuster Cap. 4500 No. 3086 Inside _____ Outside _____ Bottom Make Kuster Cap. 4300 No. 1566 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 3:06 PM

Tool Open I.F.P. From 3:08 M. to 3:18P M. Hr. 10 Min. From (B) 14 P.S.I. To (C) 14 P.S.I.

Tool Closed I.C.I.P. From 3:08 M. to 3:48P M. Hr. 30 Min. (D) 1011 P.S.I.

Tool Open F.F.P. From 3:48 M. to 4:18P M. Hr. 30 Min. From (E) 18 P.S.I. To (F) 18 P.S.I.

Tool Closed F.C.I.P. From 4:18 M. to 4:48P M. Hr. 30 Min. (G) 878 P.S.I.

Initial Hydrostatic Pressure (A) 1849 P.S.I. Final Hydrostatic Pressure (H) 1824 P.S.I.

SURFACE Size Choke 1/2 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____

INFORMATION _____ M. _____ M. _____ M. _____

BLOW Very weak blow for 14 minutes Bottom Choke Size 3/4 In.

Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 15 feet of drilling mud

Reversed Out _____ Yes ☒ No _____ Mud Type _____ Viscosity 37 Weight 10.5 Water Loss 19.2 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 _____ Did Packer Hold? yes Where? _____

Length Drill Pipe 2253 ft. I.D. Drill Pipe 3.7 in. Length Weight Pipe 964 ft. I.D. Weight Pipe 2.8 in. Length Drill Collars _____ ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool 46 ft.

Remarks _____

WESTERN TESTING CO., INC.
Pressure Data

Date 11-29-68 Test Ticket No. 12161
Recorder No. 3086 Capacity 4500 Location 3188 Ft.
Clock No. 6896 Elevation _____ Well Temperature 98 °F

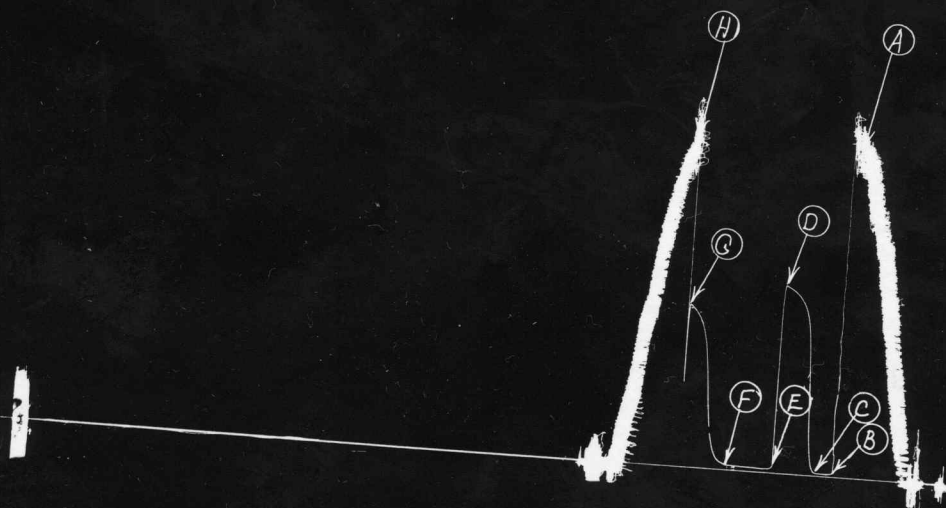
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1849</u> P.S.I.	Opened Tool	<u>3:06P</u> M	
B First Initial Flow Pressure	<u>14</u> P.S.I.	First Flow Pressure	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure	<u>14</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>1011</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>18</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>18</u> P.S.I.			
G Final Closed-in Pressure	<u>878</u> P.S.I.			
H Final Hydrostatic Mud	<u>1824</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>9</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 Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>14</u>	<u>0</u>	<u>14</u>	<u>0</u>	<u>18</u>	<u>0</u>	<u>18</u>
P 2 <u>5</u>	<u>14</u>	<u>3</u>	<u>99</u>	<u>5</u>	<u>18</u>	<u>3</u>	<u>33</u>
P 3 <u>10</u>	<u>14</u>	<u>6</u>	<u>459</u>	<u>10</u>	<u>18</u>	<u>6</u>	<u>49</u>
P 4 _____		<u>9</u>	<u>787</u>	<u>15</u>	<u>18</u>	<u>9</u>	<u>94</u>
P 5 _____		<u>12</u>	<u>899</u>	<u>20</u>	<u>18</u>	<u>12</u>	<u>201</u>
P 6 _____		<u>15</u>	<u>939</u>	<u>25</u>	<u>18</u>	<u>15</u>	<u>452</u>
P 7 _____		<u>18</u>	<u>967</u>	<u>30</u>	<u>18</u>	<u>18</u>	<u>674</u>
P 8 _____		<u>21</u>	<u>986</u>			<u>21</u>	<u>776</u>
P 9 _____		<u>24</u>	<u>1002</u>			<u>24</u>	<u>822</u>
P10 _____		<u>27</u>	<u>1011</u>			<u>27</u>	<u>853</u>
P11 _____						<u>30</u>	<u>878</u>
P12 _____							
P13 _____							
P14 _____							
P15 _____							
P16 _____							
P17 _____							
P18 _____							
P19 _____							
P20 _____							

Allison & Black
#1 Axman "B"

T.K.T. # 12161
Test # 1



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1854	1849
(B) First Initial Flow Pressure	11	14
(C) First Final Flow Pressure	11	14
(D) Initial Closed-in Pressure	1020	1011
(E) Second Initial Flow Pressure	23	18
(F) Second Final Flow Pressure	23	18
(G) Final Closed-in Pressure	881	878
(H) Final Hydrostatic Mud	1829	1824

PSI

PSI

PSI

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PSI

PSI

PSI

PSI



Home Office: Great Bend, Kansas
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Company Allison & Black Lease & Well No. Axman # 1-B
Elevation _____ Formation Kansas City Effective Pay _____ Ft. Ticket No. 12162
Date 11-30-68 Sec. 13 Twp. 17s Range 15w County Barton State Kansas
Test Approved by R. B. Jenkins Western Representative Edward Teel
Formation Test No. 2 O.K. x Misrun _____ Interval Tested From 3253' to 3265' Total Depth 3265'
Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No _____
Packer Depth 3249 Ft. Size 6 3/4 Packer Depth 3253 Ft. Size 6 3/4
Straddle _____ Yes _____ No x 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 12 Ft. Size 5 1/2" OD
RECORDERS Depth 3260 Ft. Clock No. 6896 Depth 3263 Ft. Clock No. 4964
Top Make Kuster Cap. 4500 No. 3086 Inside _____ Outside _____ Bottom Make Kuster Cap. 4300 No. 1566 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 7:40 AM
Tool Open I.F.P. From 7:42 M. to 8:13A M. Hr. 30 Min. From (B) 7 P.S.I. To (C) 7 P.S.I.
Tool Closed I.C.I.P. From 8:13 M. to 8:42A M. Hr. 30 Min. (D) 1005 P.S.I.
Tool Open F.F.P. From 8:42 M. to 9:13A M. Hr. 30 Min. From (E) 11 P.S.I. To (F) 11 P.S.I.
Tool Closed F.C.I.P. From 9:13 M. to 9:42A M. Hr. 30 Min. (G) 969 P.S.I.
Initial Hydrostatic Pressure (A) 1861 P.S.I. Final Hydrostatic Pressure (H) 1849 P.S.I.
SURFACE Size Choke 1/2 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW Very weak blow for 40 minutes Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes x No Recovery Total Ft. 30 feet of very slightly oil speck mud
Reversed Out _____ Yes x No Mud Type _____ Viscosity 40 Weight 10.5 Water Loss 10.6 cc. Maximum Temp. 100
Type Circ. Sub. plug Did Tool Plug? no Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers yes Safety Joint _____ Did Packer Hold? yes Where? _____
Length Drill Pipe 2316 ft. I.D. Drill Pipe 3.7 in. Length Weight Pipe 964 ft. I.D. Weight Pipe 2.8 in. Length Drill Collars _____
I. D. Drill Collars _____ in. Length D.S.T. Tool 34 ft.
Remarks Flushed tools on final good surge--very weak for 5 minutes--died

WESTERN TESTING CO., INC. Pressure Data

Date 11-30-68 Test Ticket No. 12162
Recorder No. 3086 Capacity 4500 Location 3260 Ft.
Clock No. 6896 Elevation _____ Well Temperature 100 °F

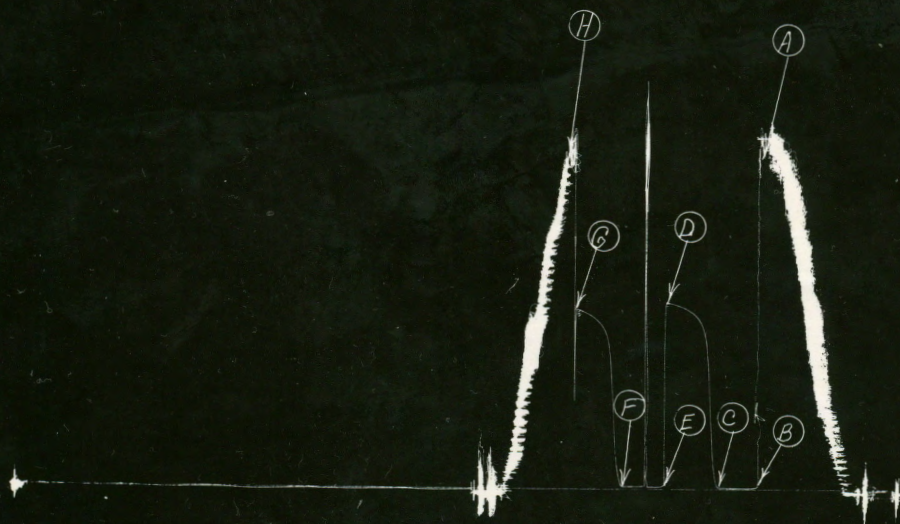
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1861</u> P.S.I.	Opened Tool	<u>7:40A</u> M	
B First Initial Flow Pressure	<u>7</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>7</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>33</u> Mins.
D Initial Closed-in Pressure	<u>1005</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>28</u> Mins.
E Second Initial Flow Pressure	<u>11</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>11</u> P.S.I.			
G Final Closed-in Pressure	<u>969</u> P.S.I.			
H Final Hydrostatic Mud	<u>1849</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>5</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 <u>3</u> Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>7</u>	<u>0</u>	<u>7</u>	<u>0</u>	<u>11</u>	<u>0</u>	<u>11</u>
P 2 <u>5</u>	<u>7</u>	<u>3</u>	<u>106</u>	<u>5</u>	<u>11</u>	<u>3</u>	<u>118</u>
P 3 <u>10</u>	<u>7</u>	<u>6</u>	<u>509</u>	<u>10</u>	<u>11</u>	<u>6</u>	<u>443</u>
P 4 <u>15</u>	<u>7</u>	<u>9</u>	<u>804</u>	<u>15</u>	<u>11</u>	<u>9</u>	<u>783</u>
P 5 <u>20</u>	<u>7</u>	<u>12</u>	<u>892</u>	<u>20</u>	<u>11</u>	<u>12</u>	<u>857</u>
P 6 <u>25</u>	<u>7</u>	<u>15</u>	<u>927</u>	<u>25</u>	<u>11</u>	<u>15</u>	<u>894</u>
P 7 <u>30</u>	<u>7</u>	<u>18</u>	<u>948</u>	<u>28</u>	<u>11</u>	<u>18</u>	<u>916</u>
P 8 _____		<u>21</u>	<u>962</u>	<u>35</u>		<u>21</u>	<u>932</u>
P 9 _____		<u>24</u>	<u>976</u>	<u>40</u>		<u>24</u>	<u>946</u>
P 10 _____		<u>27</u>	<u>987</u>	<u>45</u>		<u>27</u>	<u>958</u>
P 11 _____		<u>30</u>	<u>993</u>	<u>50</u>		<u>30</u>	<u>969</u>
P 12 _____		<u>33</u>	<u>1005</u>	<u>55</u>			
P 13 _____							
P 14 _____							
P 15 _____							
P 16 _____							
P 17 _____							
P 18 _____							
P 19 _____							
P 20 _____							

Allison & Black
#1 Axman "B"

TKT# 12162
Test # 2



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1866	18611 PSI
(B) First Initial Flow Pressure	0	7 PSI
(C) First Final Flow Pressure	0	7 PSI
(D) Initial Closed-in Pressure	1009	1005 PSI
(E) Second Initial Flow Pressure	11	11 PSI
(F) Second Final Flow Pressure	11	11 PSI
(G) Final Closed-in Pressure	974	969 PSI
(H) Final Hydrostatic Mud	1854	1849 PSI



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Company Allison & Black Lease & Well No. Axman #1-B
Elevation _____ Formation Kansas City Effective Pay _____ Ft. Ticket No. 12163
Date 12-1-68 Sec. 13 Twp. 15s Range 17w County Barton State Kansas
Test Approved by R. B. Jenkins Western Representative Edward Teal
Formation Test No. 3 O.K. ☒ Misrun _____ Interval Tested From 3294' 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 3290 Ft. Size 6 3/4 Packer Depth 3294 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 36 Ft. Size 5 1/2" OD
RECORDERS Depth 3325 Ft. Clock No. 6896 Depth 3327 Ft. Clock No. 4964
Top Make Kuster Cap. 4500 No. 3086 Inside _____ Outside _____ Bottom Make Kuster Cap. 4300 No. 1566 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 11:55 PM
Tool Open I.F.P. From 11:57 M. to 12:27P M. Hr. 30 Min. From (B) 21 P.S.I. To (C) 21 P.S.I.
Tool Closed I.C.I.P. From 12:27 M. to 12:57P M. Hr. 30 Min. (D) 37 P.S.I.
Tool Open F.F.P. From 12:57 M. to 1:27P M. Hr. 30 Min. From (E) 23 P.S.I. To (F) 26 P.S.I.
Tool Closed F.C.I.P. From 1:27 M. to 1:57P M. Hr. 30 Min. (G) 33 P.S.I.
Initial Hydrostatic Pressure (A) 1877 P.S.I. Final Hydrostatic Pressure (H) 1885 1859 P.S.I.
SURFACE Size Choke 1/2 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW Weak for 25 minutes Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes ☒ No Recovery Total Ft. 20 feet of mud
Reversed Out _____ Yes ☒ No Mud Type _____ Viscosity 40 Weight 10.5 Water Loss 10/6 cc. Maximum Temp. 100 °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 2379 ft. I.D. Drill Pipe 3.7 in. Length Weight Pipe 964 ft. I.D. Weight Pipe 2.8 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 56 ft.
Remarks Flushed tool good surge

WESTERN TESTING CO., INC.
Pressure Data

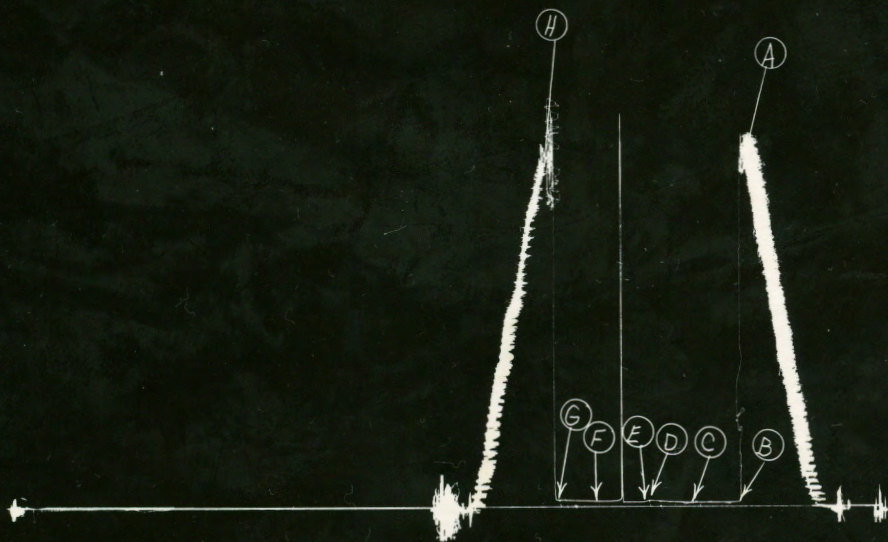
Date 12-2-68 Test Ticket No. 12163
 Recorder No. 3086 Capacity 4500 Location 3325 Ft.
 Clock No. 6896 Elevation _____ Well Temperature 100 °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 1877 P.S.I. Opened Tool 11:55PM
 B First Initial Flow Pressure 21 P.S.I. First Flow Pressure 30 Mins. 30 Mins.
 C First Final Flow Pressure 21 P.S.I. Initial Closed-in Pressure 30 Mins. 30 Mins.
 D Initial Closed-in Pressure 37 P.S.I. Second Flow Pressure 30 Mins. 30 Mins.
 E Second Initial Flow Pressure 23 P.S.I. Final Closed-in Pressure 30 Mins. 30 Mins.
 F Second Final Flow Pressure 26 P.S.I.
 G Final Closed-in Pressure 33 P.S.I.
 H Final Hydrostatic Mud 1859 P.S.I.

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</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 Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>21</u>	<u>0</u>	<u>21</u>	<u>0</u>	<u>23</u>	<u>0</u>	<u>26</u>
P 2 <u>5</u>	<u>21</u>	<u>3</u>	<u>21</u>	<u>5</u>	<u>23</u>	<u>3</u>	<u>26</u>
P 3 <u>10</u>	<u>21</u>	<u>6</u>	<u>21</u>	<u>10</u>	<u>23</u>	<u>6</u>	<u>26</u>
P 4 <u>15</u>	<u>21</u>	<u>9</u>	<u>21</u>	<u>15</u>	<u>23</u>	<u>9</u>	<u>26</u>
P 5 <u>20</u>	<u>21</u>	<u>12</u>	<u>21</u>	<u>20</u>	<u>26</u>	<u>12</u>	<u>26</u>
P 6 <u>25</u>	<u>21</u>	<u>15</u>	<u>21</u>	<u>25</u>	<u>26</u>	<u>15</u>	<u>26</u>
P 7 <u>30</u>	<u>21</u>	<u>18</u>	<u>23</u>	<u>30</u>	<u>26</u>	<u>18</u>	<u>26</u>
P 8 _____	_____	<u>21</u>	<u>26</u>	_____	_____	<u>21</u>	<u>26</u>
P 9 _____	_____	<u>24</u>	<u>30</u>	_____	_____	<u>24</u>	<u>28</u>
P 10 _____	_____	<u>27</u>	<u>33</u>	_____	_____	<u>27</u>	<u>30</u>
P 11 _____	_____	<u>30</u>	<u>37</u>	_____	_____	<u>30</u>	<u>33</u>
P 12 _____	_____	_____	_____	_____	_____	_____	_____
P 13 _____	_____	_____	_____	_____	_____	_____	_____
P 14 _____	_____	_____	_____	_____	_____	_____	_____
P 15 _____	_____	_____	_____	_____	_____	_____	_____
P 16 _____	_____	_____	_____	_____	_____	_____	_____
P 17 _____	_____	_____	_____	_____	_____	_____	_____
P 18 _____	_____	_____	_____	_____	_____	_____	_____
P 19 _____	_____	_____	_____	_____	_____	_____	_____
P 20 _____	_____	_____	_____	_____	_____	_____	_____

allison & Black
1 Axman "B"

T.K.T. # 12163
Test # 3



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1946	1877	PSI
(B) First Initial Flow Pressure	23	21	PSI
(C) First Final Flow Pressure	23	21	PSI
(D) Initial Closed-in Pressure	35	37	PSI
(E) Second Initial Flow Pressure	23	23	PSI
(F) Second Final Flow Pressure	23	26	PSI
(G) Final Closed-in Pressure	35	33	PSI
(H) Final Hydrostatic Mud	1923	1859	PSI



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Company Allison & Black Lease & Well No. Axman "B" #1
Elevation _____ Formation Arbuckle Effective Pay _____ Ft. Ticket No. 12164
Date 12-1-68 Sec. 13 Twp. 17s Range 15w County Barton State Kansas
Test Approved by R. B. Jinkins Western Representative Edward Teel
Formation Test No. 4 O.K. ☒ Misrun _____ Interval Tested From 3390' to 3420' Total Depth 3420'
Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. ☒ Damaged Yes ☒ No Conv. ☒ B.T. _____ Damaged Yes ☒ No
Packer Depth 3386 Ft. Size 6 3/4" Packer Depth 3390 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" F.H. Anchor Length 30 Ft. Size 5 1/2" O.D.
RECORDERS Depth 3407 Ft. Clock No. 6986 Depth 3410 Ft. Clock No. 4964
Top Make Kuster Cap. 4500 No. 3086 ~~Inside~~ Outside Bottom Make Kuster Cap. 4300 No. 1566 ~~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 7:47 A. M
Tool Open I.F.P. From 7:49 M. to 8:19A. M. Hr. 30 Min. From (B) 33 P.S.I. To (C) 33 P.S.I.
Tool Closed I.C.I.P. From 8:19 M. to 8:49A. M. Hr. 30 Min. (D) 201 P.S.I.
Tool Open F.F.P. From 8:49 M. to 9:19A. M. Hr. 30 Min. From (E) 37 P.S.I. To (F) 37 P.S.I.
Tool Closed F.C.I.P. From 9:19 M. to 9:49A. M. Hr. 30 Min. (G) 97 P.S.I.
Initial Hydrostatic Pressure (A) 1904 P.S.I. Final Hydrostatic Pressure (H) 1877 P.S.I.
SURFACE Size Choke 1/2 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW Very weak for 21 minutes Bottom Choke Size 3/4 In.
Did Well Flow Yes ☒ No _____ Recovery Total Ft. 20 feet very slightly oil cut mud
Reversed Out Yes ☒ No Mud Type _____ Viscosity 41 Weight 10.5 Water Loss 11.2 cc. Maximum Temp. 103 °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 2472 ft. I.D. Drill Pipe 3.7 in. Length Weight Pipe 964 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 Slid 2 feet to bottom

WESTERN TESTING CO., INC.

Pressure Data

Date 12-1-68 Recorder No. 3086 Capacity 4500 Location 3407 Ft.
 Clock No. 6986 Elevation _____ Well Temperature 103 °F

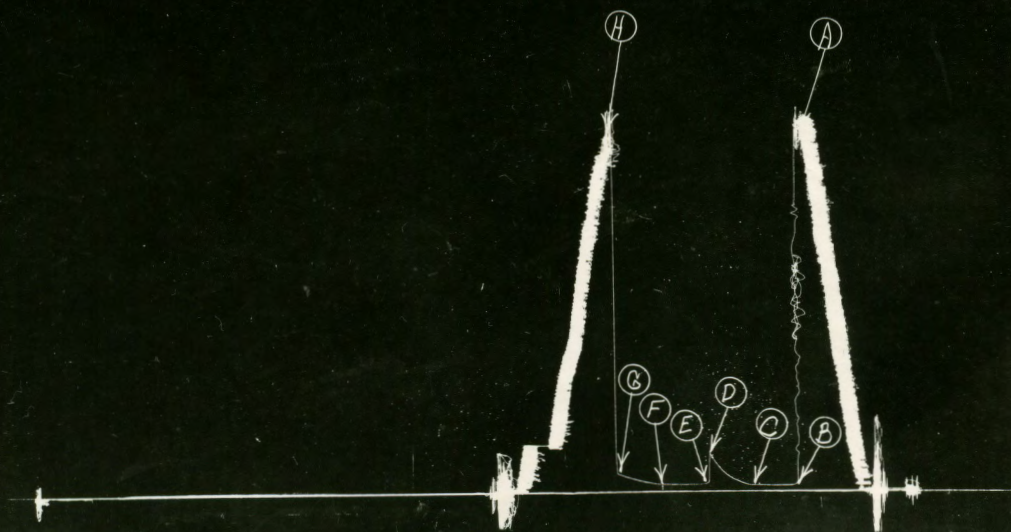
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1904</u> P.S.I.	Opened Tool	<u>7:49 A.M.</u>	
B First Initial Flow Pressure	<u>33</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>33</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>201</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>37</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>97</u> P.S.I.			
H Final Hydrostatic Mud	<u>1877</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</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 Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>33</u>	<u>0</u>	<u>33</u>	<u>0</u>	<u>37</u>	<u>0</u>	<u>37</u>
P 2 <u>5</u>	<u>33</u>	<u>3</u>	<u>35</u>	<u>5</u>	<u>37</u>	<u>3</u>	<u>40</u>
P 3 <u>10</u>	<u>33</u>	<u>6</u>	<u>40</u>	<u>10</u>	<u>37</u>	<u>6</u>	<u>43</u>
P 4 <u>15</u>	<u>33</u>	<u>9</u>	<u>49</u>	<u>15</u>	<u>37</u>	<u>9</u>	<u>47</u>
P 5 <u>20</u>	<u>33</u>	<u>12</u>	<u>61</u>	<u>20</u>	<u>37</u>	<u>12</u>	<u>52</u>
P 6 <u>25</u>	<u>33</u>	<u>15</u>	<u>71</u>	<u>25</u>	<u>37</u>	<u>15</u>	<u>57</u>
P 7 <u>30</u>	<u>33</u>	<u>18</u>	<u>87</u>	<u>30</u>	<u>37</u>	<u>18</u>	<u>64</u>
P 8 _____	_____	<u>21</u>	<u>106</u>	_____	_____	<u>21</u>	<u>71</u>
P 9 _____	_____	<u>24</u>	<u>135</u>	_____	_____	<u>24</u>	<u>78</u>
P 10 _____	_____	<u>27</u>	<u>166</u>	_____	_____	<u>27</u>	<u>88</u>
P 11 _____	_____	<u>30</u>	<u>201</u>	_____	_____	<u>30</u>	<u>97</u>
P 12 _____	_____	_____	_____	_____	_____	_____	_____
P 13 _____	_____	_____	_____	_____	_____	_____	_____
P 14 _____	_____	_____	_____	_____	_____	_____	_____
P 15 _____	_____	_____	_____	_____	_____	_____	_____
P 16 _____	_____	_____	_____	_____	_____	_____	_____
P 17 _____	_____	_____	_____	_____	_____	_____	_____
P 18 _____	_____	_____	_____	_____	_____	_____	_____
P 19 _____	_____	_____	_____	_____	_____	_____	_____
P 20 _____	_____	_____	_____	_____	_____	_____	_____

Allison & Black
#1 Axman "B"

T.K.T. # 12164
Test # 4



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1981	1904	PSI
(B) First Initial Flow Pressure	35	33	PSI
(C) First Final Flow Pressure	35	33	PSI
(D) Initial Closed-in Pressure	213	201	PSI
(E) Second Initial Flow Pressure	35	37	PSI
(F) Second Final Flow Pressure	35	37	PSI
(G) Final Closed-in Pressure	106	97	PSI
(H) Final Hydrostatic Mud	1923	1877	PSI



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

Company Allison & Black Lease & Well No. Axman "B" #1

Elevation _____ Formation Arbuckle Effective Pay _____ Ft. Ticket No. 12165

Date 12-2-68 Sec. 13 Twp. 17s Range 15w County Barton State Kansas

Test Approved by R. B. Jinkins Western Representative Edward Teel

Formation Test No. 5 O.K. ☒ Misrun _____ Interval Tested From 3416' to 3426' Total Depth 3426'

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

Packer Depth 3411 Ft. Size 6 3/4" Packer Depth 3416 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 _____ Ft. Size 5 1/2" O.D.

RECORDERS Depth 3420 Ft. Clock No. 6896 Depth 3423 Ft. Clock No. 4964

Top Make Kuster Cap. 4500 No. 3086 Inside _____ Outside _____ Bottom Make Kuster Cap. 4300 No. 1566 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 7:33 A.M.

Tool Open I.F.P. From 7:35 M. to 8:05A.M. Hr. 30 Min. From (B) 96 P.S.I. To (C) 101 P.S.I.

Tool Closed I.C.I.P. From 8:05 M. to 8:35A.M. Hr. 30 Min. (D) 1003 P.S.I.

Tool Open F.F.P. From 8:35 M. to 9:05A.M. Hr. 30 Min. From (E) 107 P.S.I. To (F) 107 P.S.I.

Tool Closed F.C.I.P. From 9:05 M. to 9:35A.M. Hr. 30 Min. (G) 975 P.S.I.

Initial Hydrostatic Pressure (A) 1949 P.S.I. Final Hydrostatic Pressure (H) 1930 P.S.I.

SURFACE Size Choke 1/2 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____

INFORMATION _____ M. _____ M. _____ M. _____

BLOW Fair deminishing Bottom Choke Size 3/4 In.

Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 140 feet very slightly oil cut mud

Reversed Out _____ Yes ☒ No _____ Mud Type _____ Viscosity 41 Weight 10.5 Water Loss 11.2 cc. Maximum Temp. 102 °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 2472 ft. I.D. Drill Pipe 3.7 in. Length Weight Pipe 964 ft. I.D. Weight Pipe 2.8 in. Length Drill Collars _____ ft.

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

Remarks Slid to bottom 20 feet

WESTERN TESTING CO., INC. Pressure Data

Date 12-2-68 Test Ticket No. 12165
 Recorder No. 3086 Capacity 4500 Location 3420 Ft.
 Clock No. 6896 Elevation _____ Well Temperature 102 °F

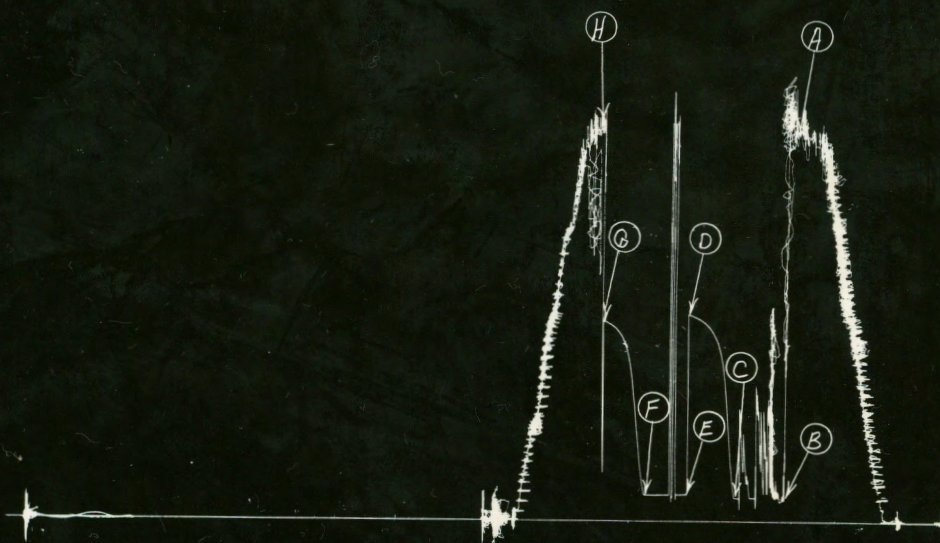
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1949</u> P.S.I.	<u>7:35</u> A. M.	
B First Initial Flow Pressure	<u>96</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>101</u> P.S.I.	<u>30</u> Mins.	<u>31</u> Mins.
D Initial Closed-in Pressure	<u>1003</u> P.S.I.	<u>30</u> Mins.	<u>29</u> Mins.
E Second Initial Flow Pressure	<u>107</u> P.S.I.	<u>30</u> Mins.	<u>29</u> Mins.
F Second Final Flow Pressure	<u>107</u> P.S.I.		
G Final Closed-in Pressure	<u>975</u> P.S.I.		
H Final Hydrostatic Mud	<u>1930</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>5</u> Inc.		Breakdown: <u>9</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>1</u> Min.		final inc. of <u>4</u> Min.		final inc. of <u>2</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>96</u>	<u>0</u>	<u>101</u>	<u>0</u>	<u>107</u>	<u>0</u>	<u>107</u>
P 2 <u>5</u>	<u>96</u>	<u>3</u>	<u>308</u>	<u>5</u>	<u>107</u>	<u>3</u>	<u>249</u>
P 3 <u>10</u>	<u>Plugging Action</u>	<u>6</u>	<u>564</u>	<u>10</u>	<u>107</u>	<u>6</u>	<u>443</u>
P 4 <u>15</u>	<u>"</u>	<u>9</u>	<u>755</u>	<u>15</u>	<u>Flushed tool</u>	<u>9</u>	<u>681</u>
P 5 <u>20</u>	<u>101</u>	<u>12</u>	<u>865</u>	<u>20</u>	<u>107</u>	<u>12</u>	<u>832</u>
P 6 <u>25</u>	<u>Plugging Action</u>	<u>15</u>	<u>913</u>	<u>25</u>	<u>107</u>	<u>15</u>	<u>888</u>
P 7 <u>30</u>	<u>101</u>	<u>18</u>	<u>946</u>	<u>29</u>	<u>107</u>	<u>18</u>	<u>927</u>
P 8 _____		<u>21</u>	<u>967</u>			<u>21</u>	<u>849</u>
P 9 _____		<u>24</u>	<u>981</u>			<u>24</u>	<u>963</u>
P 10 _____		<u>27</u>	<u>991</u>			<u>27</u>	<u>969</u>
P 11 _____		<u>30</u>	<u>1000</u>			<u>29</u>	<u>975</u>
P 12 _____		<u>31</u>	<u>1003</u>				
P 13 _____							
P 14 _____							
P 15 _____							
P 16 _____							
P 17 _____							
P 18 _____							
P 19 _____							
P 20 _____							

Allison & Black
 #1 Axman "B"

T.K.T. # 12165
 Test #5



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1993	1949	PSI
(B) First Initial Flow Pressure	106	96	PSI
(C) First Final Flow Pressure	106	101	PSI
(D) Initial Closed-in Pressure	1009	1003	PSI
(E) Second Initial Flow Pressure	106	107	PSI
(F) Second Final Flow Pressure	118	107	PSI
(G) Final Closed-in Pressure	974	975	PSI
(H) Final Hydrostatic Mud	1981	1930	PSI



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

Company Allison & Black Lease & Well No. Axman # 1-B
Elevation 1896 Kelly Bushing Formation Arbuckle Effective Pay 12 Ft. Ticket No. 12166
Date 12-2-68 Sec. 13 Twp. 17s Range 15w County Barton State Kansas
Test Approved by R. B. Jinkins Western Representative Edward Teel
Formation Test No. 6 O.K. ☒ Misrun Interval Tested From 3419' to 3431' Total Depth 3431'
Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Packer Depth 3415 Ft. Size 6 3/4 Packer Depth 3419 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 12 Ft. Size 5 1/2" OD
RECORDERS Depth 3423 Ft. Clock No. 6896 Depth 3428 Ft. Clock No. 4964
Top Make Kuster Cap. 4500 No. 3086 Inside Outside Bottom Make Kuster Cap. 4300 No. 1566 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 6:13 P M
Tool Open I.F.P. From 6:15 M. to 6:25P M. Hr. 10 Min. From (B) 23 P.S.I. To (C) 23 P.S.I.
Tool Closed I.C.I.P. From 6:25 M. to 6:55P M. Hr. 30 Min. (D) 993 P.S.I.
Tool Open F.F.P. From 6:55 M. to 7:55P M. Hr. 60 Min. From (E) 28 P.S.I. To (F) 34 P.S.I.
Tool Closed F.C.I.P. From 7:55 M. to 8:25P M. Hr. 30 Min. (G) 513 P.S.I.
Initial Hydrostatic Pressure (A) 1886 P.S.I. Final Hydrostatic Pressure (H) 1879 P.S.I.
SURFACE Size Choke 1/2 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW FAir blow thru out test Bottom Choke Size 3/4 In.
Did Well Flow Yes ☒ No Recovery Total Ft. 62 feet of oil cut mud
Reversed Out Yes ☒ No Mud Type Viscosity 41 Weight 10.5 Water Loss 11 1/2 cc. Maximum Temp 102 °F
Type Circ. Sub. plug Did Tool Plug? no Jars: Size Make Ser. No.
EXTRA EQUIPMENT: Dual Packers yes Safety Joint Did Packer Hold? yes Where?
Length Drill Pipe 2472 ft. I.D. Drill Pipe 3.7 in. Length Weight Pipe 964 ft. I.D. Weight Pipe 2.8 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 34 ft.
Remarks

WESTERN TESTING CO., INC.
Pressure Data

Date 12-2-68 Test Ticket No. 12166
 Recorder No. 3086 Capacity 4500 Location 3423 Ft.
 Clock No. 6896 Elevation 1896 Kelly Bushing Well Temperature 102 °F

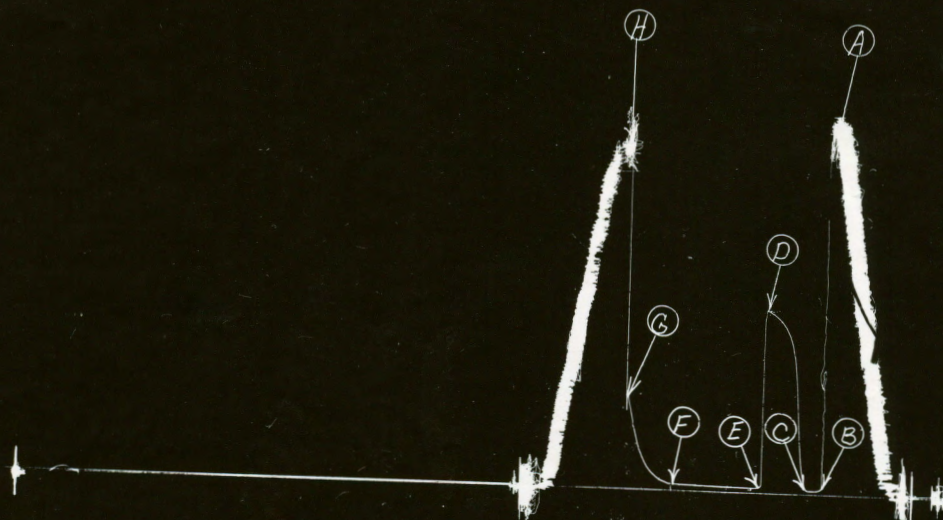
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1886</u> P.S.I.	Opened Tool	<u>6:18P</u>	M
B First Initial Flow Pressure	<u>23</u> P.S.I.	First Flow Pressure	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure	<u>23</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>993</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>28</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>34</u> P.S.I.			
G Final Closed-in Pressure	<u>513</u> P.S.I.			
H Final Hydrostatic Mud	<u>1879</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press. Breakdown: <u>2</u> Inc. of <u>5</u> mins. and a final inc. of _____ Min.		Initial Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of _____ Min.		Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of _____ Min.		Final Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>23</u>	<u>0</u>	<u>23</u>	<u>0</u>	<u>28</u>	<u>0</u>	<u>34</u>
P 2 <u>5</u>	<u>23</u>	<u>3</u>	<u>87</u>	<u>5</u>	<u>28</u>	<u>3</u>	<u>40</u>
P 3 <u>10</u>	<u>23</u>	<u>6</u>	<u>272</u>	<u>10</u>	<u>28</u>	<u>6</u>	<u>47</u>
P 4 _____		<u>9</u>	<u>655</u>	<u>15</u>	<u>28</u>	<u>9</u>	<u>56</u>
P 5 _____		<u>12</u>	<u>799</u>	<u>20</u>	<u>28</u>	<u>12</u>	<u>75</u>
P 6 _____		<u>15</u>	<u>871</u>	<u>25</u>	<u>28</u>	<u>15</u>	<u>101</u>
P 7 _____		<u>18</u>	<u>909</u>	<u>30</u>	<u>30</u>	<u>18</u>	<u>137</u>
P 8 _____		<u>21</u>	<u>941</u>	<u>35</u>	<u>30</u>	<u>21</u>	<u>199</u>
P 9 _____		<u>24</u>	<u>965</u>	<u>40</u>	<u>30</u>	<u>24</u>	<u>267</u>
P 10 _____		<u>27</u>	<u>982</u>	<u>45</u>	<u>31</u>	<u>27</u>	<u>376</u>
P 11 _____		<u>30</u>	<u>993</u>	<u>50</u>	<u>32</u>	<u>30</u>	<u>513</u>
P 12 _____				<u>55</u>	<u>33</u>		
P 13 _____				<u>60</u>	<u>34</u>		
P 14 _____							
P 15 _____							
P 16 _____							
P 17 _____							
P 18 _____							
P 19 _____							
P 20 _____							

allison & Black
#1 Axman "B"

T.K.T. # 12166
Test # 6



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1993	1886	PSI
(B) First Initial Flow Pressure	23	23	PSI
(C) First Final Flow Pressure	23	23	PSI
(D) Initial Closed-in Pressure	997	993	PSI
(E) Second Initial Flow Pressure	23	28	PSI
(F) Second Final Flow Pressure	35	34	PSI
(G) Final Closed-in Pressure	520	513	PSI
(H) Final Hydrostatic Mud	1981	1879	PSI



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

Company Allison & Black Lease & Well No. Axman # 1-B
Elevation 1896 Kelly Dushing Formation Arbuckle Effective Pay _____ Ft. Ticket No. 12167
Date 12-3-68 Sec. 13 Twp. 17s Range 15w County Barton State Kansas
Test Approved by R. B. Jinkins Western Representative Edward Teel
Formation Test No. 7 O.K. ☒ Misrun _____ Interval Tested From 3426' to 3438' Total Depth 3438'
Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No
Packer Depth 3422 Ft. Size 6 3/4 Packer Depth 3426 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 12 Ft. Size 5 1/2" OD
RECORDERS Depth 3430 Ft. Clock No. 6896 Depth 3434 Ft. Clock No. 4964
Top Make Kuster Cap. 4500 No. 3086 Inside _____ Outside _____ Bottom Make Kuster Cap. 4300 No. 1566 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 4:38 A M
Tool Open I.F.P. From 4:40 M. to 4:50A M. Hr. 10 Min. From (B) 16 P.S.I. To (C) 16 P.S.I.
Tool Closed I.C.I.P. From 4:50 M. to 5:30A M. Hr. 40 Min. (D) 983 P.S.I.
Tool Open F.F.P. From 5:30 M. to 6:30A M. Hr. 60 Min. From (E) 26 P.S.I. To (F) 34 P.S.I.
Tool Closed F.C.I.P. From 6:30 M. to 7:10A M. Hr. 40 Min. (G) 778 P.S.I.
Initial Hydrostatic Pressure (A) 1909 P.S.I. Final Hydrostatic Pressure (H) 1893 P.S.I.
SURFACE Size Choke 1/2 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW Weak blow thru out test Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 62 feet of oil cut mud
Reversed Out _____ Yes ☒ No _____ Mud Type _____ Viscosity 46 Weight 10.5 Water Loss 9.4 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 _____ Did Packer Hold? yes Where? _____
Length Drill Pipe 2502 ft. I.D. Drill Pipe 3.2 in. Length Weight Pipe 964 ft. I.D. Weight Pipe 2.8 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 34 ft.
Remarks _____

WESTERN TESTING CO., INC.
Pressure Data

Date 12-3-68 Test Ticket No. 12167
Recorder No. 3086 Capacity 4500 Location 3430 Ft.
Clock No. 6896 Elevation 1896 Kelly Bushing Well Temperature 99 °F

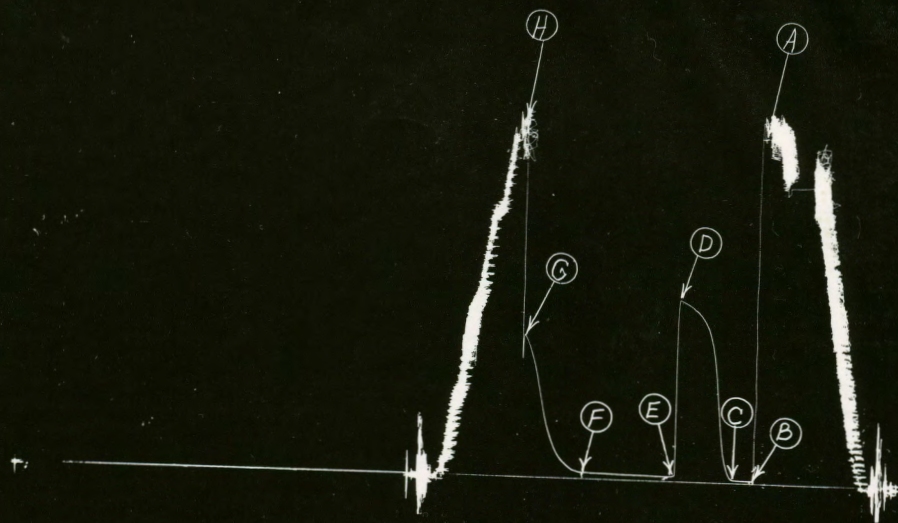
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud <u>1909</u>	<u>1909</u> P.S.I.	<u>4:38A</u>	M _____
B First Initial Flow Pressure _____	<u>16</u> P.S.I.	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure _____	<u>16</u> P.S.I.	<u>40</u> Mins.	<u>40</u> Mins.
D Initial Closed-in Pressure _____	<u>983</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure _____	<u>26</u> P.S.I.	<u>40</u> Mins.	<u>40</u> Mins.
F Second Final Flow Pressure _____	<u>34</u> P.S.I.		
G Final Closed-in Pressure _____	<u>778</u> P.S.I.		
H Final Hydrostatic Mud _____	<u>1893</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>13</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>13</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>9</u>	<u>16</u>	<u>0</u>	<u>16</u>	<u>0</u>	<u>26</u>	<u>0</u>	<u>26</u>
P 2 <u>5</u>	<u>16</u>	<u>3</u>	<u>16</u>	<u>5</u>	<u>26</u>	<u>3</u>	<u>26</u>
P 3 <u>10</u>	<u>16</u>	<u>6</u>	<u>44</u>	<u>10</u>	<u>26</u>	<u>6</u>	<u>37</u>
P 4 _____		<u>9</u>	<u>137</u>	<u>15</u>	<u>26</u>	<u>9</u>	<u>52</u>
P 5 _____		<u>12</u>	<u>362</u>	<u>20</u>	<u>26</u>	<u>12</u>	<u>69</u>
P 6 _____		<u>15</u>	<u>590</u>	<u>25</u>	<u>26</u>	<u>16</u>	<u>94</u>
P 7 _____		<u>18</u>	<u>748</u>	<u>30</u>	<u>27</u>	<u>18</u>	<u>127</u>
P 8 _____		<u>21</u>	<u>829</u>	<u>35</u>	<u>28</u>	<u>21</u>	<u>177</u>
P 9 _____		<u>24</u>	<u>883</u>	<u>40</u>	<u>30</u>	<u>24</u>	<u>248</u>
P 10 _____		<u>27</u>	<u>913</u>	<u>45</u>	<u>31</u>	<u>27</u>	<u>350</u>
P 11 _____		<u>30</u>	<u>932</u>	<u>50</u>	<u>32</u>	<u>30</u>	<u>473</u>
P 12 _____		<u>33</u>	<u>955</u>	<u>55</u>	<u>33</u>	<u>33</u>	<u>593</u>
P 13 _____		<u>36</u>	<u>969</u>	<u>60</u>	<u>34</u>	<u>36</u>	<u>685</u>
P 14 _____		<u>39</u>	<u>979</u>			<u>39</u>	<u>753</u>
P 15 _____		<u>40</u>	<u>983</u>			<u>41</u>	<u>778</u>
P 16 _____							
P 17 _____							
P 18 _____							
P 19 _____							
P 20 _____							

Allison & Black
 "1 Axman "B"

TKT# 12167
 Test# 7



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud 1993	1993	1909	PSI
(B) First Initial Flow Pressure	11	16	PSI
(C) First Final Flow Pressure	23	16	PSI
(D) Initial Closed-in Pressure	997	983	PSI
(E) Second Initial Flow Pressure	35	26	PSI
(F) Second Final Flow Pressure	35	34	PSI
(G) Final Closed-in Pressure	776	778	PSI
(H) Final Hydrostatic Mud	1981	1893	PSI

MPANY Allison & Black
 LEASE AND WELL NO. Axman # 1-B
 SEC. 13 TWP. 17s RGE. 15w TEST NO. 7 DATE 12-3-68



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

Company Allison & Black Lease & Well No. Axman # 1-B
Elevation 1896 Kelly Bushing Formation Arbuckle Effective Pay _____ Ft. Ticket No. 12168
Date 12-3-68 Sec. 13 Twp. 17s Range 15w County Barton State Kansas
Test Approved by R. B. Jenkins Western Representative Edward Teel
Formation Test No. 8 O.K. ☒ Misrun _____ Interval Tested From 3437' to 3449' Total Depth 3449'
Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No
Packer Depth 3433 Ft. Size 6 3/4 Packer Depth 3437 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 12 Ft. Size 5 1/2" OD
RECORDERS Depth 3442 Ft. Clock No. 6896 Depth 3445 Ft. Clock No. 4964
Top Make Kuster Cap. 4500 No. 3086 Inside _____ Outside _____ Bottom Make Kuster Cap. 4300 No. 1566 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. 3:46 P M
Tool Open I.F.P. From 3:48 M. to 3:58P M. Hr. 10 Min. From (B) 11 P.S.I. To (C) 11 P.S.I.
Tool Closed I.C.I.P. From 3:58 M. to 4:38P M. Hr. 40 Min. (D) 1055 P.S.I.
Tool Open F.F.P. From 4:38 M. to 5:08P M. Hr. 30 Min. From (E) 11 P.S.I. To (F) 11 P.S.I.
Tool Closed F.C.I.P. From 5:08 M. to 5:48P M. Hr. 40 Min. (G) 954 P.S.I.
Initial Hydrostatic Pressure (A) 1949 P.S.I. Final Hydrostatic Pressure (H) 1900 P.S.I.
SURFACE Size Choke 1/2 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW very weak for 10 minutes Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes ☒ No Recovery Total Ft. 15 feet of drilling mud
Reversed Out _____ Yes ☒ No Mud Type _____ Viscosity 46 Weight 10.5 Water Loss 9.4 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 _____ Did Packer Hold yes Where? _____
Length Drill Pipe 2502 ft. I.D. Drill Pipe 3.7 in. Length Weight Pipe 964 ft. I.D. Weight Pipe 2.8 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 34 ft.
Remarks Flushed tool on final open good surge

WESTERN TESTING CO., INC.
Pressure Data

Date 12-3-68 Test Ticket No. 12168
 Recorder No. 3086 Capacity 4500 Location 3442 Ft.
 Clock No. 6896 Elevation 1896 Kelly Bushing Well Temperature 99 °F

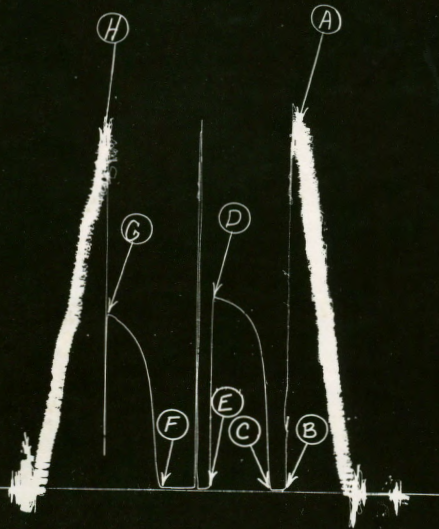
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1949</u> P.S.I.	Opened Tool	<u>3:46A</u> M	
B First Initial Flow Pressure	<u>11</u> P.S.I.	First Flow Pressure	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure	<u>11</u> P.S.I.	Initial Closed-in Pressure	<u>40</u> Mins.	<u>40</u> Mins.
D Initial Closed-in Pressure	<u>1055</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>11</u> P.S.I.	Final Closed-in Pressure	<u>40</u> Mins.	<u>39</u> Mins.
F Second Final Flow Pressure	<u>11</u> P.S.I.			
G Final Closed-in Pressure	<u>954</u> P.S.I.			
H Final Hydrostatic Mud	<u>1900</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>13</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>13</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>2</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>11</u>	<u>0</u>	<u>11</u>	<u>0</u>	<u>11</u>	<u>0</u>	<u>11</u>
P 2 <u>5</u>	<u>11</u>	<u>3</u>	<u>196</u>	<u>5</u>	<u>11</u>	<u>3</u>	<u>54</u>
P 3 <u>10</u>	<u>11</u>	<u>6</u>	<u>562</u>	<u>10</u>	<u>11</u>	<u>6</u>	<u>338</u>
P 4 <u> </u>	<u> </u>	<u>9</u>	<u>736</u>	<u>15</u>	<u>11</u>	<u>9</u>	<u>558</u>
P 5 <u> </u>	<u> </u>	<u>12</u>	<u>848</u>	<u>20</u>	<u>11</u>	<u>12</u>	<u>662</u>
P 6 <u> </u>	<u> </u>	<u>15</u>	<u>904</u>	<u>25</u>	<u>11</u>	<u>15</u>	<u>746</u>
P 7 <u> </u>	<u> </u>	<u>18</u>	<u>947</u>	<u>30</u>	<u>11</u>	<u>18</u>	<u>794</u>
P 8 <u> </u>	<u> </u>	<u>21</u>	<u>973</u>	<u> </u>	<u> </u>	<u>21</u>	<u>833</u>
P 9 <u> </u>	<u> </u>	<u>24</u>	<u>995</u>	<u> </u>	<u> </u>	<u>24</u>	<u>864</u>
P 10 <u> </u>	<u> </u>	<u>27</u>	<u>1012</u>	<u> </u>	<u> </u>	<u>27</u>	<u>892</u>
P 11 <u> </u>	<u> </u>	<u>30</u>	<u>1024</u>	<u> </u>	<u> </u>	<u>30</u>	<u>911</u>
P 12 <u> </u>	<u> </u>	<u>33</u>	<u>1036</u>	<u> </u>	<u> </u>	<u>33</u>	<u>927</u>
P 13 <u> </u>	<u> </u>	<u>36</u>	<u>1042</u>	<u> </u>	<u> </u>	<u>36</u>	<u>947</u>
P 14 <u> </u>	<u> </u>	<u>39</u>	<u>1051</u>	<u> </u>	<u> </u>	<u>39</u>	<u>954</u>
P 15 <u> </u>	<u> </u>	<u>41</u>	<u>1055</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
#1 Axman "B"

T.K.T. # 12168
Test # 8



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2004	1949	PSI
(B) First Initial Flow Pressure	11	11	PSI
(C) First Final Flow Pressure	11	11	PSI
(D) Initial Closed-in Pressure	1055	1055	PSI
(E) Second Initial Flow Pressure	11	11	PSI
(F) Second Final Flow Pressure	11	11	PSI
(G) Final Closed-in Pressure	951	954	PSI
(H) Final Hydrostatic Mud	1981	1900	PSI



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

Company Allison & Black Lease & Well No. Axman # 1-B
Elevation 1896 Kelly Bushing Formation Kansas City Effective Pay _____ Ft. Ticket No. 12169
Date 12-4-68 Sec. 13 Twp. 17s Range 15w County Barton State Kansas
Test Approved by R. B. Jenkins Western Representative Edward Teel

Formation Test No. 9 O.K. ☒ Misrun _____ Interval Tested From 3368' to 3392' Total Depth 3468'
Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No Conv. _____ B.T. _____ Damaged _____ Yes _____ No
Packer Depth 3368 Ft. Size 6 3/4 Packer Depth _____ Ft. Size _____
Straddle _____ Yes ☒ No _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No
Packer Depth 3392 Ft. Size 6 3/4

Tool Size 5 1/2" OD Tool Jt. Size 4 1/2" FH Anchor Length 24 Ft. Size 5 1/2" OD
RECORDERS Depth 3383 Ft. Clock No. 6896 Depth 3386 Ft. Clock No. 4964
Top Make Kuster Cap. 4500 No. 3086 Inside _____ Outside _____ Bottom Make Kuster Cap. 4300 No. 1566 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 12:55 P M
Tool Open I.F.P. From 12:57 M. to 12:23P M. Hr. 25 Min. From (B) 7 P.S.I. To (C) 7 P.S.I.
Tool Closed I.C.I.P. From _____ M. to _____ M. Hr. _____ Min. (D) _____ P.S.I.
Tool Open F.F.P. From _____ M. to not taken Hr. _____ Min. From (E) not taken P.S.I. To (F) _____ P.S.I.
Tool Closed F.C.I.P. From _____ M. to _____ M. Hr. _____ Min. (G) _____ P.S.I.
Initial Hydrostatic Pressure (A) 1819 P.S.I. Final Hydrostatic Pressure (H) 1808 P.S.I.

SURFACE Size Choke 1/2 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Very Weak for 5 minutes --Died Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 5 feet drilling mud

Reversed Out _____ Yes ☒ No _____ Mud Type _____ Viscosity 46 Weight 10.5 Water Loss 9.4 cc. Maximum Temp. 95 °F
Type Circ. Sub. plug Did Tool Plug? no Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers yes Safety Joint _____ Did Packer Hold? yes Where? _____
Length Drill Pipe 2404 ft. I.D. Drill Pipe 3.7 in. Length Weight Pipe 964 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 Selective zone straddle test ran in conjunction with ~~Drill Stem~~ drill stem test # 10

WESTERN TESTING CO., INC. **Pressure Data**

Date 12-4-68

Test Ticket No. 12169

Recorder No. 3086 Capacity 4500 Location 3383 Ft.

Clock No. 6896 Elevation 1896 Kelly Bushing Well Temperature 95 °F

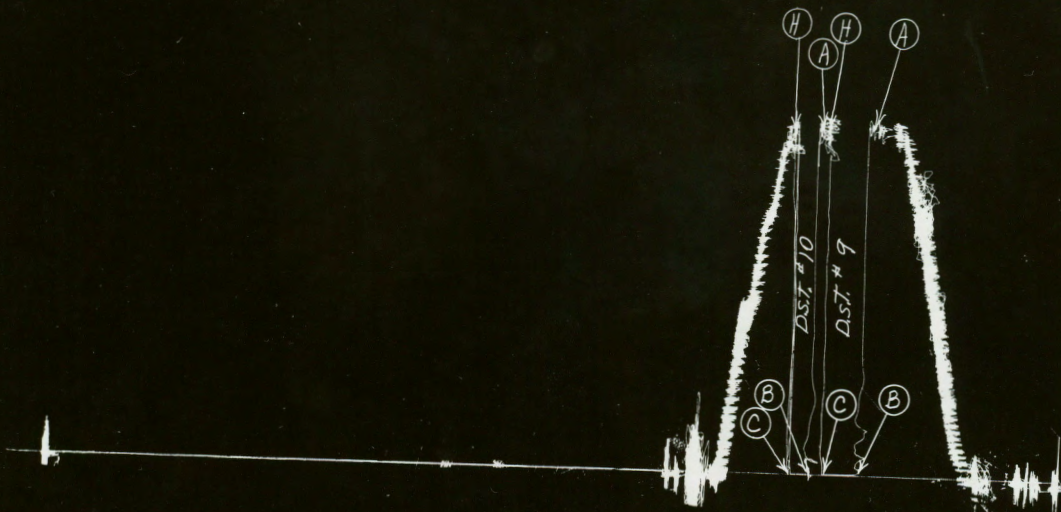
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1819</u> P.S.I.	Opened Tool	<u>12:55P</u> M	
B First Initial Flow Pressure	<u>7</u> P.S.I.	First Flow Pressure	<u>25</u> Mins.	Mins.
C First Final Flow Pressure	<u>7</u> P.S.I.	Initial Closed-in Pressure		Mins.
D Initial Closed-in Pressure	P.S.I.	Second Flow Pressure		Mins.
E Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure		Mins.
F Second Final Flow Pressure	P.S.I.			
G Final Closed-in Pressure	P.S.I.			
H Final Hydrostatic Mud	<u>1808</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>5</u> Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of <u>5</u> mins. and a		of _____ mins. and a		of _____ mins. and a		of _____ 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>7</u>	<u>0</u>		<u>0</u>		<u>0</u>	
P 2 <u>5</u>	<u>7</u>	<u>3</u>		<u>5</u>		<u>3</u>	
P 3 <u>10</u>	<u>7</u>	<u>6</u>		<u>10</u>		<u>6</u>	
P 4 <u>15</u>	<u>7</u>	<u>9</u>		<u>15</u>		<u>9</u>	
P 5 <u>20</u>	<u>7</u>	<u>12</u>		<u>20</u>		<u>12</u>	
P 6 <u>25</u>	<u>7</u>	<u>15</u>		<u>25</u>		<u>15</u>	
P 7 _____		<u>18</u>		<u>30</u>		<u>18</u>	
P 8 _____		<u>21</u>		<u>35</u>		<u>21</u>	
P 9 _____		<u>24</u>		<u>40</u>		<u>24</u>	
P 10 _____		<u>27</u>		<u>45</u>		<u>27</u>	
P 11 _____				<u>50</u>			
P 12 _____				<u>55</u>			
P 13 _____							
P 14 _____							
P 15 _____							
P 16 _____							
P 17 _____							
P 18 _____							
P 19 _____							
P 20 _____							

ALLISON BLACK
#1 Axman "B"

T.K.T.# 12170
(selective zone) T.K.T.# 12169
Test # 9 & 10



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud		1819 PSI
(B) First Initial Flow Pressure 0		7 PSI
(C) First Final Flow Pressure 0		7 PSI
(D) Initial Closed-in Pressure		PSI
(E) Second Initial Flow Pressure		PSI
(F) Second Final Flow Pressure not taken		PSI
(G) Final Closed-in Pressure		PSI
(H) Final Hydrostatic Mud		1808 PSI



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

Company Allison & Black Lease & Well No. Axman # 1-B
Elevation 1896 Kelly Bushing Formation Kansas City Effective Pay _____ Ft. Ticket No. 12170
Date 12-4-68 Sec. 13 Twp. 17s Range 15w County Barton State Kansas
Test Approved by R. B. Jenkins Western Representative Edward Teel
Formation Test No. 10x O.K. x Misrun _____ Interval Tested From 3334' to 3358' Total Depth 3468'
Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No Conv. _____ B.T. _____ Damaged _____ Yes _____ No
Packer Depth 3334 Ft. Size 6 3/4 Packer Depth _____ Ft. Size _____
Straddle _____ Yes x No _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No
Packer Depth 3358 Ft. Size 6 3/4
Tool Size 5 1/2" OD Tool Jt. Size 4 1/2" FH Anchor Length 24 Ft. Size 5 1/2" OD
RECORDERS Depth 3349 Ft. Clock No. 6896 Depth 3352 Ft. Clock No. 4964
Top Make Kuster Cap. 4500 No. 3086 Inside _____ Outside _____ Bottom Make Kuster Cap. 4300 No. 1566 Inside _____ Outside _____
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____
Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____
Time Set Packer 3349 1:30 PM
Tool Open I.F.P. From 1:32 M. to 1:50 P M. Hr. 18 Min. From (B) 7 P.S.I. To (C) 7 P.S.I.
Tool Closed I.C.I.P. From _____ M. to _____ M. Hr. _____ Min. (D) _____ P.S.I.
Tool Open F.F.P. From not taken M. to _____ M. Hr. _____ Min. From (E) _____ P.S.I. To (F) _____ P.S.I.
Tool Closed F.C.I.P. From _____ M. to _____ M. Hr. _____ Min. (G) _____ P.S.I.
Initial Hydrostatic Pressure (A) 1808 P.S.I. Final Hydrostatic Pressure (H) 1796 P.S.I.
SURFACE Size Choke 1/2 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW No blow but good surge Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes x No _____ Recovery Total Ft. 5 feet of drilling mud

Reversed Out _____ Yes x No _____ Mud Type _____ Viscosity 46 Weight 10.5 Water Loss 9.4 cc. Maximum Temp. 95 °F
Type Circ. Sub. plug Did Tool Plug? no Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers yes Safety Joint _____ Did Packer Hold? yes Where? _____
Length Drill Pipe 2374 ft. I.D. Drill Pipe 3.7 in. Length Weight Pipe 964 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 In 15 minutes on opening flushed tool good surge--Selective zone straddle test ran in conjunction with drill stem test # 9

WESTERN TESTING CO., INC.

Pressure Data

Date 12-4-68 Test Ticket No. 12170
 Recorder No. 3086 Capacity 4500 Location 3349 Ft.
 Clock No. 6896 Elevation 1896 Kelly Hushing Well Temperature 95 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1808</u> P.S.I.	<u>1:30P</u> M	
B First Initial Flow Pressure	<u>7</u> P.S.I.	<u>18</u> Mins.	<u>18</u> Mins.
C First Final Flow Pressure	<u>7</u> P.S.I.		
D Initial Closed-in Pressure			
E Second Initial Flow Pressure			
F Second Final Flow Pressure			
G Final Closed-in Pressure			
H Final Hydrostatic Mud	<u>1796</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of <u>5</u> mins. and a		of _____ mins. and a		of _____ mins. and a		of _____ mins. and a	
final inc. of <u>3</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>0</u>		<u>0</u>		<u>0</u>	
P 2	<u>5</u>	<u>3</u>		<u>5</u>		<u>3</u>	
P 3	<u>10</u>	<u>6</u>		<u>10</u>		<u>6</u>	
P 4	<u>15</u>	<u>9</u>		<u>15</u>		<u>9</u>	
P 5	<u>18</u>	<u>12</u>		<u>20</u>		<u>12</u>	
P 6	<u>25</u>	<u>15</u>		<u>25</u>		<u>15</u>	
P 7		<u>18</u>		<u>30</u>		<u>18</u>	
P 8		<u>21</u>		<u>35</u>		<u>21</u>	
P 9		<u>24</u>	<u>4</u>	<u>40</u>		<u>24</u>	
P 10		<u>27</u>		<u>45</u>		<u>27</u>	
P 11				<u>50</u>			
P 12				<u>55</u>			
P 13							
P 14							
P 15							
P 16							
P 17							
P 18							
P 19							
P 20							

TKT# 12169
TKT# 12170
D.S.T.# 9810

Below Straddle
chart



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud		1808 PSI
(B) First Initial Flow Pressure	0	7 PSI
(C) First Final Flow Pressure	0	7 PSI
(D) Initial Closed-in Pressure		PSI
(E) Second Initial Flow Pressure		PSI
(F) Second Final Flow Pressure	not taken	PSI
(G) Final Closed-in Pressure		PSI
(H) Final Hydrostatic Mud		1796 PSI