



34-23-52

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

Company Hill and Tate Lease & Well No. Pickett #1
Elevation 1440 Kelly Bushings Formation Conglomerate Effective Pay _____ Ft. Ticket No. 15736
Date 11-11-71 Sec. 34 Twp. 23 Range 5E County Butler State Kansas
Test Approved by Paul Koontz Western Representative George Tew
Formation Test No. 1 O.K. ☒ Misrun _____ Interval Tested From 2460' to 2474' Total Depth 2474'
Size Main Hole 7 7/8" Rat Hole _____ Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No
Packer Depth 2460 Ft. Size 6 3/4" Packer Depth 2455 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 14 Ft. Size 5 1/2" O.D.
RECORDERS Depth 2467 Ft. Clock No. 6896 Depth 2470 Ft. Clock No. 6894
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 1:42 P.M.
Tool Open I.F.P. From 1:45 M. to 1:50P. M. Hr. 5 Min. From (B) 5 P.S.I. To (C) 5 P.S.I.
Tool Closed I.C.I.P. From 1:50 M. to 2:10P. M. Hr. 20 Min. (D) 7 P.S.I.
Tool Open F.F.P. From 2:10 M. to 3:10P. M. Hr. 1 Min. From (E) 5 P.S.I. To (F) 5 P.S.I.
Tool Closed F.C.I.P. From 3:10 M. to 3:30P. M. Hr. 20 Min. (G) 8 P.S.I.
Initial Hydrostatic Pressure (A) 1169 P.S.I. Final Hydrostatic Pressure (H) 1159 P.S.I.
SURFACE Size Choke 3/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW Weak to dead in 5 min. Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 3 feet oil specked drilling mud
Reversed Out _____ Yes ☒ No _____ Mud Type Chem. Viscosity 36 Weight 9.6 Water Loss 12 cc. Maximum Temp. 93 °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 2260 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe _____ ft. I.D. Weight Pipe _____ in. Length Drill Collars 180 ft.
I. D. Drill Collars 2 1/4 in. Length D.S.T. Tool 34 ft.

Remarks

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WESTERN TESTING CO., INC. Pressure Data

34-23-5E

Date 11-11-71 Test Ticket No. 15736
 Recorder No. 3086 Capacity 4500 Location 2467 Ft.
 Clock No. 6896 Elevation 1440 Kelly Bushings Well Temperature 93 °F

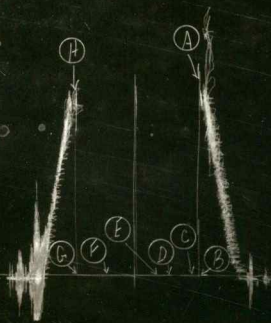
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	1169 P.S.I.	1:42P.M.	
B First Initial Flow Pressure	5 P.S.I.	5 Mins.	5 Mins.
C First Final Flow Pressure	5 P.S.I.	20 Mins.	20 Mins.
D Initial Closed-in Pressure	7 P.S.I.	60 Mins.	60 Mins.
E Second Initial Flow Pressure	5 P.S.I.	20 Mins.	20 Mins.
F Second Final Flow Pressure	5 P.S.I.		
G Final Closed-in Pressure	8 P.S.I.		
H Final Hydrostatic Mud	1159 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
Breakdown: <u>1</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>6</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 <u>2</u> Min.	
P 1	<u>0</u>	P 1	<u>0</u>	P 1	<u>0</u>	P 1	<u>0</u>
P 2	<u>5</u>	P 2	<u>3</u>	P 2	<u>5</u>	P 2	<u>3</u>
P 3		P 3	<u>6</u>	P 3	<u>5</u>	P 3	<u>6</u>
P 4		P 4	<u>9</u>	P 4	<u>5</u>	P 4	<u>9</u>
P 5		P 5	<u>12</u>	P 5	<u>5</u>	P 5	<u>12</u>
P 6		P 6	<u>15</u>	P 6	<u>5</u>	P 6	<u>15</u>
P 7		P 7	<u>18</u>	P 7	<u>5</u>	P 7	<u>18</u>
P 8		P 8	<u>20</u>	P 8	<u>5</u>	P 8	<u>20</u>
P 9				P 9	<u>5</u>		
P10				P10	<u>5</u>		
P11				P11	<u>5</u>		
P12				P12	<u>5</u>		
P13				P13	<u>5</u>		
P14							
P15							
P16							
P17							
P18							
P19							
P20							

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TKT 15736 - I





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

34-23-5C

Company **Hill and Tate** Lease & Well No. **Pickett #1**
Elevation **1440 Kelly Bushings** Formation **Mississippian** Effective Pay _____ Ft. Ticket No. **15737**
Date **11-11-71** Sec. **34** Twp. **23** Range **5E** County **Butler** State **Kansas**
Test Approved by **Paul D. Koontz** Western Representative **George Tew**
Formation Test No. **2** O.K. ☒ Misrun _____ Interval Tested From **2481'** to **2488'** Total Depth **2488'**
Size Main Hole **7 7/8"** Rat Hole **None** Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No
Packer Depth **2481** Ft. Size **6 3/4"** Packer Depth **2476** 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 **7** Ft. Size **5 1/2" O.D.**
RECORDERS Depth **2460** Ft. Clock No. **6896** Depth **2485** Ft. Clock No. **6894**
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 **9:02** P.M.
Tool Open I.F.P. From **9:05** M. to **9:10P.** M. Hr. **5** Min. From (B) **16** P.S.I. To (C) **11** P.S.I.
Tool Closed I.C.I.P. From **9:10** M. to **9:40P.** M. Hr. **30** Min. (D) **35** P.S.I.
Tool Open F.F.P. From **9:40** M. to **11:40P.** M. Hr. **2** Min. From (E) **11** P.S.I. To (F) **11** P.S.I.
Tool Closed F.C.I.P. From **11:40** M. to **12:10A.** M. Hr. **30** Min. (G) **52** P.S.I.
Initial Hydrostatic Pressure (A) **1223** P.S.I. Final Hydrostatic Pressure (H) **1215** P.S.I.
SURFACE Size Choke **3/4** In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW **Weak to dead in 5 min.** Bottom Choke Size **3/4** In.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. **5 feet mud**
Reversed Out _____ Yes ☒ No _____ Mud Type **Chem.** Viscosity **36** Weight **9.6** Water Loss **12** cc. Maximum Temp. **94** °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 **2276** ft. I.D. Drill Pipe **3.8** in. Length Weight Pipe _____ ft. I.D. Weight Pipe _____ in. Length Drill Collars **180** ft.
I. D. Drill Collars **2 1/4** in. Length D.S.T. Tool **32** ft.
Remarks **Flushed tool @ 10:40 P.M.**

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WESTERN TESTING CO., INC.

Pressure Data

34-23-52

Date 11-11-71 Recorder No. 3085 Capacity 4500 Test Ticket No. 15737
 Clock No. 6896 Elevation 1440 Kelly Bushings Location 2460 Ft. 94
 Well Temperature 94 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1223</u>	P.S.I.	<u>9:02 P.</u>	
B First Initial Flow Pressure	<u>16</u>	P.S.I.	<u>5</u>	<u>5</u>
C First Final Flow Pressure	<u>11</u>	P.S.I.	<u>30</u>	<u>30</u>
D Initial Closed-in Pressure	<u>35</u>	P.S.I.	<u>120</u>	<u>120</u>
E Second Initial Flow Pressure	<u>11</u>	P.S.I.	<u>30</u>	<u>30</u>
F Second Final Flow Pressure	<u>11</u>	P.S.I.		
G Final Closed-in Pressure	<u>52</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1215</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>1</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>24</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>16</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>11</u>	<u>5</u>	<u>11</u>	<u>3</u>	<u>12</u>
P 3 _____		<u>6</u>	<u>12</u>	<u>10</u>	<u>11</u>	<u>6</u>	<u>13</u>
P 4 _____		<u>9</u>	<u>13</u>	<u>15</u>	<u>11</u>	<u>9</u>	<u>14</u>
P 5 _____		<u>12</u>	<u>14</u>	<u>20</u>	<u>11</u>	<u>12</u>	<u>16</u>
P 6 _____		<u>15</u>	<u>15</u>	<u>25</u>	<u>11</u>	<u>15</u>	<u>18</u>
P 7 _____		<u>18</u>	<u>18</u>	<u>30</u>	<u>11</u>	<u>18</u>	<u>23</u>
P 8 _____		<u>21</u>	<u>21</u>	<u>35</u>	<u>11</u>	<u>21</u>	<u>28</u>
P 9 _____		<u>24</u>	<u>24</u>	<u>40</u>	<u>11</u>	<u>24</u>	<u>35</u>
P10 _____		<u>27</u>	<u>27</u>	<u>45</u>	<u>11</u>	<u>27</u>	<u>44</u>
P11 _____		<u>30</u>	<u>35</u>	<u>50</u>	<u>11</u>	<u>30</u>	<u>52</u>
P12 _____				<u>55</u>	<u>11</u>		
P13 _____				<u>60</u>	<u>11</u>		
P14 _____				<u>65</u>	<u>11</u>		
P15 _____				<u>70</u>	<u>11</u>		
P16 _____				<u>75</u>	<u>11</u>		
P17 _____				<u>80</u>	<u>11</u>		
P18 _____				<u>85</u>	<u>11</u>		
P19 _____				<u>90</u>	<u>11</u>		
P20 _____				<u>95</u>	<u>11</u>		
				<u>100</u>	<u>11</u>		
				<u>105</u>	<u>11</u>		
				<u>110</u>	<u>11</u>		
				<u>115</u>	<u>11</u>		
				<u>120</u>	<u>11</u>		

TKT 15737-0

(H)

(A)

(G)

(F)

(E)

(D)

(C)

(B)