



Home Office: Great Bend, Kansas

P. O. Box 793

GLadstone 3-7903

Company Kansas Petroleum, Inc. Lease & Well No. Dunbar #1
Elevation 1181' R.B. Ticket Number 3101
Date 7-30-63 Sec. 4 Twp. 34S Range 4E County Cowley State Kansas
Test Approved by Douglas H. McGinness Western Representative George Tew

Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 1714' to 1765' Total Depth 1765'
Size Main Hole 7 7/8" Rat Hole None Conv. ☒ B.T. ☐ Damaged ☒ Yes ☐ No Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No
Packer Depth 1714 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" XH Anchor Length 51 Ft. Size 20' 5 1/2" O.D.
31' 4 1/2" D.P.

RECORDERS Depth 1721 Ft. Clock No. 6861 Depth 1724 Ft. Clock No. 41
Top Make Amerada Cap. 3200# No. 1563 Inside Bottom Make Western Cap. 4000# No. 41 Inside
Below Straddle: Depth Clock No. Inside Depth Ft. Clock No. Inside
Top Make Cap. No. Outside Bottom Make Cap. No. Outside

Time Set Packer 2:32 P M
Tool Open I.F.P. From 2:33P M to 2:38P M - Hr. 5 Min. From (B) 60 P.S.I. To (C) 80 P.S.I.
Tool Closed I.C.I.P. From 2:38P M. to 2:58P M. - Hr. 20 Min. (D) 700 P.S.I.
Tool Open F.F.P. From 2:58P M. to 3:28P M. - Hr. 30 Min. From (E) 91 P.S.I. To (F) 145 P.S.I.
Tool Closed F.C.I.P. From 3:28P M. to 3:48P M. - Hr. 20 Min. (G) 670 P.S.I.
Initial Hydrostatic Pressure (A) 899 P.S.I. Final Hydrostatic Pressure (H) 879 P.S.I.

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

BLOW Strong - Gas to surface in 4 mins. Bottom Choke Size 3/4 in.
Did Well Flow ☒ Yes ☐ No Recovery Total Ft. 150' G.C.M.

Reversed Out ☐ Yes ☒ No Mud Type Chem Viscosity 38 Weight 10.2 Maximum Temp. 98 °F
EXTRA EQUIPMENT: Dual Packers ☐ No Safety Joint ☐ No Jars: Size No Make Ser. No.
Type Circ. Sub. 4 1/2" FH Plug Did Tool Plug? ☐ No Where? Did Packer Hold? ☒ Yes
Length Drill Pipe 1605 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe ft. I.D. Weight Pipe in. Length Drill Collars 90 ft.
I. D. Drill Collars 2.25 in. Length D. S. T. Tool 70 ft.
Remarks

Remarks _____

WESTERN TESTING CO., INC. Pressure Data

Date 7-30-63 Test Ticket No. 3101
Recorder No. 1563 Capacity 3150# Location 1721 Ft.
Clock No. 6866 Elevation 1181' R.B. Well Temperature 98 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>899</u> P.S.I.	Opened Tool	<u>2:33 P</u>	<u>2:33 PM</u>
B First Initial Flow Pressure	<u>60</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>80</u> P.S.I.	Initial Closed-in Pressure	<u>20</u> Mins.	<u>20</u> Mins.
D Initial Closed-in Pressure	<u>700</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>91</u> P.S.I.	Final Closed-in Pressure	<u>20</u> Mins.	<u>20</u> Mins.
F Second Final Flow Pressure	<u>145</u> P.S.I.			
G Final Closed-in Pressure	<u>670</u> P.S.I.			
H Final Hydrostatic Mud	<u>879</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>6</u> Inc.	Breakdown: <u>6</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 <u>-</u> Min.	final inc. of <u>2</u> Min.	final inc. of <u>-</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>60</u>	<u>0</u>	<u>80</u>	<u>0</u>	<u>91</u>	<u>0</u>	<u>145</u>
P 2 <u>5</u>	<u>80</u>	<u>3</u>	<u>667</u>	<u>5</u>	<u>94</u>	<u>3</u>	<u>649</u>
P 3		<u>6</u>	<u>696</u>	<u>10</u>	<u>106</u>	<u>6</u>	<u>657</u>
P 4		<u>9</u>	<u>698</u>	<u>15</u>	<u>113</u>	<u>9</u>	<u>664</u>
P 5		<u>12</u>	<u>700</u>	<u>20</u>	<u>124</u>	<u>12</u>	<u>665</u>
P 6		<u>15</u>	<u>700</u>	<u>25</u>	<u>136</u>	<u>15</u>	<u>667</u>
P 7		<u>18</u>	<u>700</u>	<u>30</u>	<u>145</u>	<u>18</u>	<u>668</u>
P 8		<u>20</u>	<u>700</u>			<u>20</u>	<u>670</u>
P 9							
P 10							
P 11							
P 12							
P 13							
P 14							
P 15							
P 16							
P 17							
P 18							
P 19							
P 20							

Kansas Pet. Inc.

Dunbar #1

' Test #1

T.K.T. # 3101



TWT # 3101 - Rec # 1/3



Home Office: Great Bend, Kansas

P. O. Box 793

Gladstone 3-7903

Company Kansas Petroleum, Inc. Lease & Well No Dunbar #1
Elevation 1181' K.B. Ticket Number 3102
Date 7-31-63 Sec. 4 Twp. 34S Range 4E County Cowley State Kansas
Test Approved by Douglas H. McGinness Western Representative George Tew

Formation Test No. 2 O.K. ☒ Misrun ☐ Interval Tested From 2026' to 2060' Total Depth 2060'
Size Main Hole 7 7/8" Rat Hole None Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No
Packer Depth 2026 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" O.D. Tool Jt. Size 4 1/2" XH Anchor Length 34 Ft. Size 5 1/2" OD

RECORDERS Depth 2054 Ft. Clock No. 6861 Depth 2054 Ft. Clock No. 41
Top Make Amerada Cap. 3150# No. 1563 Inside ☐ Outside ☐ Bottom Make Western Cap. 4000# No. 41 Inside ☐ Outside ☐
Below Straddle: Depth ☐ Clock No. ☐ Inside ☐ Outside ☐ Depth ☐ Ft. Clock No. ☐ Inside ☐ Outside ☐
Top Make ☐ Cap. ☐ No. ☐ Outside ☐ Bottom Make ☐ Cap. ☐ No. ☐ Outside ☐

Time Set Packer 11:48 A M
Tool Open I.F.P. From 11:51A M to 11:57A M - Hr. 6 Min. From (B) 38 P.S.I. To (C) 38 P.S.I.
Tool Closed I.C.I.P. From 11:57A M. to 12:17A M. - Hr. 30 Min. (D) 679 P.S.I.
Tool Open F.F.P. From 12:17A M. to 1:17A M. 1 Hr. - Min. From (E) 62 P.S.I. To (F) 83 P.S.I.
Tool Closed F.C.I.P. From 1:17A M. to 1:37A M. - Hr. 20 Min. (G) 563 P.S.I.
Initial Hydrostatic Pressure (A) 1080 P.S.I. Final Hydrostatic Pressure (H) 1067 P.S.I.

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

BLOW Fair to strong in 30 mins. Bottom Choke Size 3/4 in.

Did Well Flow ☒ Yes ☐ No Recovery Total Ft. 140' Slightly salty mud

Reversed Out ☒ Yes ☐ No Mud Type Chem Viscosity 35 Weight 10 Maximum Temp. 101 °F

EXTRA EQUIPMENT: Dual Packers ☒ Safety Joint ☒ Jars: Size ☒ Make ☐ Ser. No. ☐

Type Circ. Sub. 4 1/2" FH Plug Did Tool Plug? ☒ No Where? ☐ Did Packer Hold? ☒ Yes

Length Drill Pipe 1920 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe ☐ ft. I.D. Weight Pipe ☐ in. Length Drill Collars 90 ft.

I. D. Drill Collars 2.25 in. Length D. S. T. Tool 50 ft.

Remarks

WESTERN TESTING CO., INC. Pressure Data

Date 7-31-63 Test Ticket No. 3102
Recorder No. 1563 Capacity 3150# Location 2501 Ft.
Clock No. 6866 Elevation 1181' R.B. Well Temperature 101 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1080</u> P.S.I.	Opened Tool	<u>11:51</u> A M	<u>11:51</u> A
B First Initial Flow Pressure	<u>38</u> P.S.I.	First Flow Pressure	<u>6</u> Mins.	<u>6</u> Mins.
C First Final Flow Pressure	<u>38</u> P.S.I.	Initial Closed-in Pressure	<u>20</u> Mins.	<u>21</u> Mins.
D Initial Closed-in Pressure	<u>679</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>62</u> P.S.I.	Final Closed-in Pressure	<u>20</u> Mins.	<u>18</u> Mins.
F Second Final Flow Pressure	<u>83</u> P.S.I.			
G Final Closed-in Pressure	<u>563</u> P.S.I.			
H Final Hydrostatic Mud	<u>1067</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.
Breakdown: 1 Inc.
of 6 mins. and a
final inc. of - Min.

Initial Shut-In
Breakdown: 7 Inc.
of 3 mins. and a
final inc. of - Min.

Second Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of - Min.

Final Shut-In
Breakdown: 6 Inc.
of 3 mins. and a
final inc. of - Min.

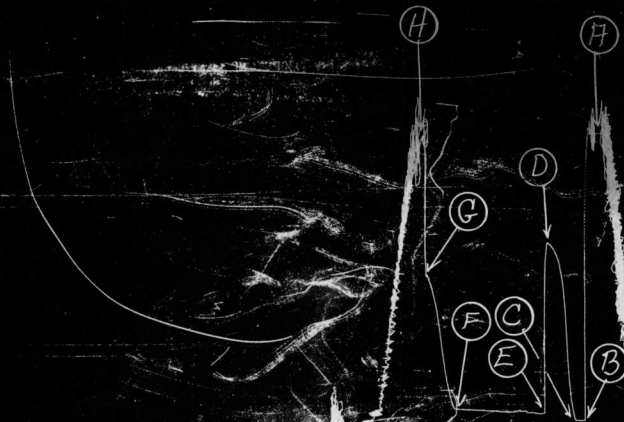
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>38</u>	<u>0</u>	<u>38</u>	<u>0</u>	<u>62</u>	<u>0</u>	<u>83</u>
P 2 <u>6</u>	<u>38</u>	<u>3</u>	<u>120</u>	<u>5</u>	<u>64</u>	<u>3</u>	<u>134</u>
P 3		<u>6</u>	<u>286</u>	<u>10</u>	<u>66</u>	<u>6</u>	<u>206</u>
P 4		<u>9</u>	<u>500</u>	<u>15</u>	<u>68</u>	<u>9</u>	<u>323</u>
P 5		<u>12</u>	<u>607</u>	<u>20</u>	<u>70</u>	<u>12</u>	<u>432</u>
P 6		<u>15</u>	<u>651</u>	<u>25</u>	<u>72</u>	<u>15</u>	<u>514</u>
P 7		<u>18</u>	<u>675</u>	<u>30</u>	<u>74</u>	<u>28</u>	<u>563</u>
P 8		<u>21</u>	<u>679</u>	<u>35</u>	<u>75</u>	<u>21</u>	<u>563</u>
P 9				<u>40</u>	<u>77</u>		
P10				<u>45</u>	<u>77</u>		
P11				<u>50</u>	<u>79</u>		
P12				<u>55</u>	<u>80</u>		
P13				<u>60</u>	<u>82</u>		
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Kansas Pet. Inc.

Test #2

Dunbar # 1

T.H.T. # 3102



T.H.T. # 3102 - R.O. # 1567



Home Office: Great Bend, Kansas

P. O. Box 793

GLadstone 3-7903

Company Kansas Petroleum, Inc. Lease & Well No Dunbar #1
Elevation 1181' R.R. Ticket Number 3104
Date 8-2-63 Sec. 4 Twp. 34S Range 4E County Cowley State Kansas
Test Approved by Douglas H. McGinness Western Representative George Tew

Formation Test No. 4 O.K. ☒ Misrun ☐ Interval Tested From 2463' to 2511' Total Depth 2511'
Size Main Hole 7 7/8" Rat Hole None Conv. ☒ B.T. ☒ Damaged ☒ Yes ☒ No ☒ Conv. ☒ B.T. ☒ Damaged ☒ Yes ☒ No ☒
Packer Depth 2463 Ft. Size 6 3/4" Packer Depth 2458 Ft. Size 6 3/4"
Straddle ☐ Yes ☒ No ☒ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No ☐
Tool Size 5 1/2" OD Packer Depth 4 1/2" XH Ft Size 18' Anchor 5 1/2"
Tool Jt. Size 4 1/2" XH Anchor Length 48 Ft. Size 30' D.P. 4 1/2"

RECORDERS Depth 2' 66 Ft. Clock No. 6866 Depth 2469 Ft. Clock No. 41
Top Make Amerada Cap. 3150# No. 1563 Inside Western Cap. 4000# No. 41 Inside
Below Straddle: Depth Clock No. Outside Depth Ft. Clock No. Outside
Top Make Cap. No. Inside Bottom Make Cap. No. Inside

Time Set Packer 10:59 P
Tool Open I.F.P. From 11:02P M. to 11:07P M. - Hr. 5 Min. From (B) 32 P.S.I. To (C) 32 P.S.I.
Tool Closed I.C.I.P. From 11:07P M. to 11:27P M. - Hr. 20 Min. (D) 456 P.S.I.
Tool Open F.F.P. From 11:27P M. to 12:57P M. - Hr. 1 Min. From (E) 40 P.S.I. To (F) 41 P.S.I.
Tool Closed F.C.I.P. From 12:57P M. to 1:17P M. - Hr. 20 Min. (G) 689 P.S.I.
Initial Hydrostatic Pressure (A) 1311 P.S.I. Final Hydrostatic Pressure (H) 1293 P.S.I.

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

BLOW Strong-Gas to surface in 30 mins. - Gauged 10,000 Bottom Choke Size 3/4 in.
Did Well Flow ☒ Yes ☐ No Recovery Total Ft. 90' Mud (Gas cut)

Reversed Out ☒ Yes ☐ No Mud Type Chem Viscosity 37 Weight 10.2 Maximum Temp. 109 °F
EXTRA EQUIPMENT: Dual Packers ☒ Safety Joint ☒ Jars: Size No Make Ser. No.
Type Circ. Sub. 4 1/2" F.H. Plug Did Tool Plug? ☒ Where? Did Packer Hold? ☒
Length Drill Pipe 2350 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe ft. I.D. Weight Pipe in. Length Drill Collars 90 ft.
I. D. Drill Collars 2.25 in. Length D. S. T. Tool 71 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date 8-2-63 Test Ticket No. 3104
 Recorder No. 1563 Capacity 3150# Location 2466 Ft.
 Clock No. 6866 Elevation 1181' #.B. Well Temperature 109 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1311</u> P.S.I.	Opened Tool	<u>11:02 P</u> M	<u>11:02 PM</u>
B First Initial Flow Pressure	<u>32</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>32</u> P.S.I.	Initial Closed-in Pressure	<u>20</u> Mins.	<u>21</u> Mins.
D Initial Closed-in Pressure	<u>456</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>40</u> P.S.I.	Final Closed-in Pressure	<u>20</u> Mins.	<u>21</u> Mins.
F Second Final Flow Pressure	<u>41</u> P.S.I.			
G Final Closed-in Pressure	<u>689</u> P.S.I.			
H Final Hydrostatic Mud	<u>1293</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>7</u> Inc.	Breakdown: <u>18</u> Inc.	Breakdown: <u>7</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>32</u>	<u>0</u>	<u>32</u>	<u>0</u>	<u>40</u>	<u>0</u>	<u>41</u>
P 2 <u>5</u>	<u>32</u>	<u>3</u>	<u>49</u>	<u>5</u>	<u>40</u>	<u>3</u>	<u>192</u>
P 3		<u>6</u>	<u>75</u>	<u>10</u>	<u>40</u>	<u>6</u>	<u>326</u>
P 4		<u>9</u>	<u>105</u>	<u>15</u>	<u>40</u>	<u>9</u>	<u>445</u>
P 5		<u>12</u>	<u>184</u>	<u>20</u>	<u>40</u>	<u>12</u>	<u>539</u>
P 6		<u>15</u>	<u>270</u>	<u>25</u>	<u>40</u>	<u>15</u>	<u>610</u>
P 7		<u>18</u>	<u>370</u>	<u>30</u>	<u>40</u>	<u>18</u>	<u>660</u>
P 8		<u>21</u>	<u>456</u>	<u>35</u>	<u>40</u>	<u>21</u>	<u>689</u>
P 9				<u>40</u>	<u>40</u>		
P 10				<u>45</u>	<u>40</u>		
P 11				<u>50</u>	<u>40</u>		
P 12				<u>55</u>	<u>40</u>		
P 13				<u>60</u>	<u>40</u>		
P 14				<u>65</u>	<u>40</u>		
P 15				<u>70</u>	<u>41</u>		
P 16				<u>75</u>	<u>43</u>		
P 17				<u>80</u>	<u>41</u>		
P 18				<u>85</u>	<u>41</u>		
P 19				<u>90</u>	<u>41</u>		
P 20							

Kansas Pet Inc.

Dunbar #1

Test #4

T.H.T. # 3104



T.H.T. # 3104 - D



Home Office: Great Bend, Kansas

P. O. Box 793

GLadstone 3-7903

Company Kansas Petroleum, Inc. Lease & Well No. Dunbar #1
Elevation 1178' K.B. Ticket Number 3105
Date 8-4-63 Sec. 4 Twp. 34S Range 4E County Sumner State Kansas
Test Approved by R. E. Kurtz Western Representative Ray H. Roadenbaugh

Formation Test No. 5 O.K. ☒ Misrun ☐ Interval Tested From 3231' to 3240' Total Depth 3240'
Size Main Hole 7 7/8" Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged Yes ☒ No ☐ Conv. ☒ B.T. ☐ Damaged Yes ☒ No ☐
Packer Depth 3231 Ft. Size 6 3/4" Packer Depth 3226 Ft. Size 6 3/4"
Straddle Yes ☐ No ☒ Conv. ☐ B.T. ☐ Damaged Yes ☐ No ☐
Packer Depth 3231 Ft. Size 6 3/4"
Tool Size 5 1/2" OD Tool Jt. Size 4 1/2" XH Anchor Length 9 Ft. Size 5 1/2" OD

RECORDERS Depth 3132 Ft. Clock No. 1697 Depth 3237 Ft. Clock No. 41
Top Make Amerada Cap. 3150# No. 1665 Inside ☐ Outside ☒ Bottom Make Western Cap. 4000# No. 41 Inside ☒ Outside ☐
Below Straddle: Depth 3132 Ft. Clock No. 1697 Inside ☐ Outside ☒ Depth 3237 Ft. Clock No. 41 Inside ☒ Outside ☐
Top Make Amerada Cap. 3150# No. 1665 Inside ☐ Outside ☒ Bottom Make Western Cap. 4000# No. 41 Inside ☒ Outside ☐

Time Set Packer 10:11A M
Tool Open I.F.P. From 10:15A M to 10:25A M - Hr. 10 Min. From (B) 20 P.S.I. To (C) 20 P.S.I.
Tool Closed I.C.I.P. From 10:25A M. to 10:45A M. - Hr. 20 Min. (D) 89 P.S.I.
Tool Open F.F.P. From 10:45A M. to 11:15A M. - Hr. 30 Min. From (E) 23 P.S.I. To (F) 28 P.S.I.
Tool Closed F.C.I.P. From 11:15A M. to 11:35A M. - Hr. 20 Min. (G) 47 P.S.I.
Initial Hydrostatic Pressure (A) 1698 P.S.I. Final Hydrostatic Pressure (H) 1680 P.S.I.

SURFACE Size Choke 3/4 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION 2 bubbles - flushed tool after 15 mins. Bottom Choke Size 3/4 in.

BLOW 2 bubbles - flushed tool after 15 mins. Bottom Choke Size 3/4 in.
Did Well Flow Yes ☒ No ☐ Recovery Total Ft. 5' Mud

Reversed Out Yes ☒ No ☐ Mud Type Chem Viscosity 38 Weight 10.1 Maximum Temp. 115 °F

EXTRA EQUIPMENT: Dual Packers Yes ☒ Safety Joint ☐ Jars: Size 3 1/2" FH Make Bowen Ser. No. 606
Type Circ. Sub. Plug Type Did Tool Plug? No Where? Yes Did Packer Hold? Yes
Length Drill Pipe 3094 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 37 ft. I.D. Weight Pipe 103 ft.
I. D. Drill Collars 2.5 in. Length D. S. T. Tool 37 ft.

Remarks

WESTERN TESTING CO., INC. Pressure Data

Date 8-4-63 Test Ticket No. 3105
 Recorder No. 1665 Capacity 3150# Location 3132 Ft.
 Clock No. 6697 Elevation 1178' K.B. Well Temperature 115 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1698</u>	P.S.I.	<u>10:15</u> A	<u>10:15</u> AM
B First Initial Flow Pressure	<u>20</u>	P.S.I.	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure	<u>20</u>	P.S.I.	<u>20</u> Mins.	<u>20</u> Mins.
D Initial Closed-in Pressure	<u>89</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>23</u>	P.S.I.	<u>20</u> Mins.	<u>18</u> Mins.
F Second Final Flow Pressure	<u>28</u>	P.S.I.		
G Final Closed-in Pressure	<u>47</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1680</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Press. Breakdown: <u>2</u> Inc. of <u>5</u> mins. and a final inc. of <u>-</u> Min.	Initial Shut-In Breakdown: <u>6</u> Inc. of <u>3</u> mins. and a final inc. of <u>2</u> Min.	Second Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>-</u> Min.	Final Shut-In Breakdown: <u>6</u> Inc. of <u>3</u> mins. and a final inc. of <u>-</u> Min.
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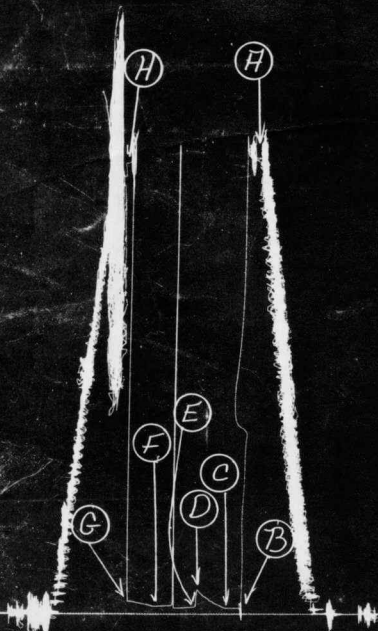
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>20</u>	<u>0</u>	<u>20</u>	<u>0</u>	<u>23</u>	<u>0</u>	<u>28</u>
P 2 <u>5</u>	<u>20</u>	<u>3</u>	<u>28</u>	<u>5</u>	<u>23</u>	<u>3</u>	<u>31</u>
P 3 <u>10</u>	<u>20</u>	<u>6</u>	<u>34</u>	<u>10</u>	<u>23</u>	<u>6</u>	<u>34</u>
P 4		<u>9</u>	<u>42</u>	<u>15</u>	<u>23</u>	<u>9</u>	<u>39</u>
P 5		<u>12</u>	<u>54</u>	<u>20</u>	<u>28</u>	<u>12</u>	<u>40</u>
P 6		<u>15</u>	<u>66</u>	<u>25</u>	<u>28</u>	<u>15</u>	<u>43</u>
P 7		<u>18</u>	<u>84</u>	<u>30</u>	<u>28</u>	<u>18</u>	<u>47</u>
P 8		<u>20</u>	<u>89</u>				
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Kans. Pet. Inc.

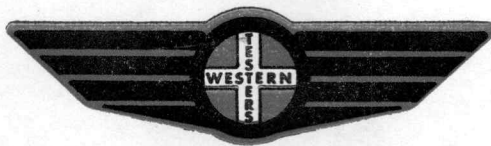
Test #5

Dunbar #1

T.H.T. #3105



Rec # 1565 FKF # 3105



Home Office: Great Bend, Kansas

P. O. Box 793

Gladstone 3-7903

Company Kansas Petroleum Co., Inc. Lease & Well No. Dunbar #1
Elevation 1181' K.B. Ticket Number 3106
Date 8-4-63 Sec. 4 Twp. 34S Range 4E County Cowley State Kansas
Test Approved by Douglas H. McGinness Western Representative Ray H. Roadenbaugh

Formation Test No. 6 O.K. ☒ Misrun ☐ Interval Tested From 3241' to 3255' Total Depth 3255'
Size Main Hole 7 7/8" Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged Yes ☒ No ☐ Conv. ☒ B.T. ☐ Damaged Yes ☒ No ☐
Packer Depth 3241 Ft. Size 6 3/4" Packer Depth 3236 Ft. Size 6 3/4"
Straddle Yes ☐ No ☒ Conv. ☐ B.T. ☐ Damaged Yes ☐ No ☐
Packer Depth 3241 Ft. Size 6 3/4"
Tool Size 5 1/2" OD Tool Jt. Size 4 1/2" XH Anchor Length 14 Ft. Size 5 1/2" OD

RECORDERS Depth 3247 Ft. Clock No. 6897 Depth 3250 Ft. Clock No. 41
Top Make Amerada Cap. 3150# No. 1565 Inside Outside Bottom Make Western Cap. 3000# No. 41 Inside Outside
Below Straddle: Depth 3247 Ft. Clock No. 6897 Inside Outside Depth 3250 Ft. Clock No. 41 Inside Outside
Top Make Amerada Cap. 3150# No. 1565 Inside Outside Bottom Make Western Cap. 3000# No. 41 Inside Outside

Time Set Packer 6:31P M
Tool Open I.F.P. From 6:35P M to 6:40P M - Hr. 5 Min. From (B) 34 P.S.I. To (C) 34 P.S.I.
Tool Closed I.C.I.P. From 6:40P M. to 7:00P M. - Hr. 20 Min. (D) 1177 P.S.I.
Tool Open F.F.P. From 7:00P M. to 8:00P M. 1 Hr. - Min. From (E) 37 P.S.I. To (F) 75 P.S.I.
Tool Closed F.C.I.P. From 8:00P M. to 8:20P M. - Hr. 20 Min. (G) 1030 P.S.I.
Initial Hydrostatic Pressure (A) 1708 P.S.I. Final Hydrostatic Pressure (H) 1693 P.S.I.

SURFACE Size Choke 3/4 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION Strong blow throughout - gas to surface 1 Hr. 15 Mins. Bottom Choke Size 3/4 in.
Gas Yes ☒ No ☐ Recovery Total Ft. 170' - 50' H.G. & O.C.M., 115' H.G. & S.M.O., 5' Muddy water

Reversed Out Yes ☒ No ☐ Mud Type Chem Viscosity 38 Weight 10.1 Maximum Temp. 119 °F
EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Jars: Size 3 1/2" FH Make Bowen Ser. No. 606
Type Circ. Sub. Plug Did Tool Plug? No Where? Yes Did Packer Hold? Yes
Length Drill Pipe 3095 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 119 ft. I.D. Weight Pipe 119 ft.
I. D. Drill Collars 2.25 in. Length D. S. T. Tool 40 ft.

Remarks

Gas too weak to gauge

WESTERN TESTING CO., INC. Pressure Data

Date 8-4-63 Test Ticket No. 3106
 Recorder No. 1565 Capacity 3150# Location 3247 Ft.
 Clock No. 6897 Elevation 1181' K.B. Well Temperature 119 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1708</u>	P.S.I.	<u>6:35 P</u>	<u>6:35 PM</u>
B First Initial Flow Pressure	<u>34</u>	P.S.I.	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>34</u>	P.S.I.	<u>20</u> Mins.	<u>19</u> Mins.
D Initial Closed-in Pressure	<u>1177</u>	P.S.I.	<u>60</u> Mins.	<u>59</u> Mins.
E Second Initial Flow Pressure	<u>37</u>	P.S.I.	<u>20</u> Mins.	<u>18</u> Mins.
F Second Final Flow Pressure	<u>75</u>	P.S.I.		
G Final Closed-in Pressure	<u>1030</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1693</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Press. Breakdown: <u>1</u> Inc. of <u>5</u> mins. and a final inc. of <u>-</u> Min.	Initial Shut-In Breakdown: <u>6</u> Inc. of <u>3</u> mins. and a final inc. of <u>1</u> Min.	Second Flow Pressure Breakdown: <u>11</u> Inc. of <u>5</u> mins. and a final inc. of <u>4</u> Min.	Final Shut-In Breakdown: <u>6</u> Inc. of <u>3</u> mins. and a final inc. of <u>-</u> Min.
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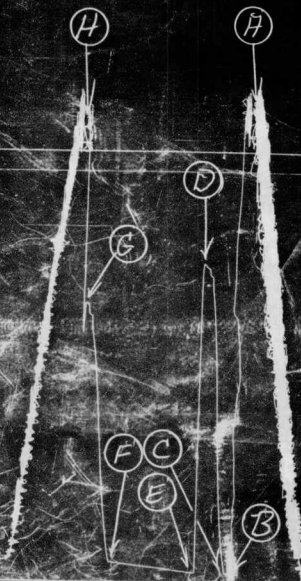
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>34</u>	<u>0</u>	<u>34</u>	<u>0</u>	<u>37</u>	<u>0</u>	<u>75</u>
P 2 <u>5</u>	<u>34</u>	<u>3</u>	<u>146</u>	<u>5</u>	<u>39</u>	<u>3</u>	<u>185</u>
P 3		<u>6</u>	<u>398</u>	<u>10</u>	<u>41</u>	<u>6</u>	<u>417</u>
P 4		<u>9</u>	<u>729</u>	<u>15</u>	<u>45</u>	<u>9</u>	<u>659</u>
P 5		<u>12</u>	<u>1042</u>	<u>20</u>	<u>50</u>	<u>12</u>	<u>880</u>
P 6		<u>15</u>	<u>1158</u>	<u>25</u>	<u>53</u>	<u>15</u>	<u>987</u>
P 7		<u>18</u>	<u>1172</u>	<u>30</u>	<u>58</u>	<u>18</u>	<u>1030</u>
P 8		<u>19</u>	<u>1177</u>	<u>35</u>	<u>60</u>		
P 9				<u>40</u>	<u>62</u>		
P10				<u>45</u>	<u>65</u>		
P11				<u>50</u>	<u>69</u>		
P12				<u>55</u>	<u>72</u>		
P13				<u>59</u>	<u>75</u>		
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Kans Pet. Inc.

Dunbar # 1

Test # 6

T.O.T. # 3106



Rec # 1565 TKT # 3106