



Home Office: Great Bend, Kansas

P. O. Box 793

Gladstone 3-7903

Company Petroleum, Inc. Lease & Well No. Waller #1
Elevation 2395' D.P. Ticket Number 2318
Date 2-7-63 Sec. 3 Twp. 34N Range 27S County Neade State Kansas
Test Approved by Robert Brandt Western Representative Norman Allen

Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 5822' to 5915' Total Depth 5915'
Size Main Hole 7 7/8" Rat Hole ☐ Conv. ☒ B.T. ☒ Damaged ☐ Yes ☒ No ☐ Conv. ☒ B.T. ☒ Damaged ☐ Yes ☒ No ☐
Packer Depth 5817 Ft. Size 6 3/4" Packer Depth 5822 Ft. Size 6 3/4"
Straddle ☐ Yes ☒ No ☒ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No ☐

Tool Size 5 1/2" O.D. Packer Depth 5817 Ft. Size 6 3/4" Anchor Length 93 Ft. Size 5 1/2" O.D.
Tool Jt. Size 4 1/2" P.H.

RECORDERS Depth 5848 Ft. Clock No. 6893 Depth 5850 Ft. Clock No. 35
Top Make Amerada Cap. 6000# No. 1566 Inside Outside Bottom Make Western Cap. 6000# No. 35 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 9:28A
Tool Open I.F.P. From 9:30A M to 9:35A M - Hr. 5 Min. From (B) 75 P.S.I. To (C) 75 P.S.I.
Tool Closed I.C.I.P. From 9:35A M. to 10:05A M. - Hr. 30 Min. (D) 332 P.S.I.
Tool Open F.F.P. From 10:05A M. to 10:35A M. - Hr. 30 Min. From (E) 81 P.S.I. To (F) 112 P.S.I.
Tool Closed F.C.I.P. From 10:35A M. to 11:05A M. - Hr. 30 Min. (G) 110 P.S.I.
Initial Hydrostatic Pressure (A) 3124 P.S.I. Final Hydrostatic Pressure (H) 2967 P.S.I.

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

BLOW Weak blow 5 mins. Bottom Choke Size 3/4 In.
Did Well Flow ☒ Yes ☐ No Recovery Total Ft. 30

30# Drilling Mud Mud
Reversed Out ☒ Yes ☐ No Mud Type Starch Viscosity 48 Weight 9.4 Maximum Temp. 124 °F
EXTRA EQUIPMENT: Dual Packers ☒ Safety Joint ☒ Jars: Size 3 1/2" FH Make Bowen Ser. No. 2639
Type Circ. Sub. Plug Did Tool Plug? ☒ No Where? Did Packer Hold? ☒ Yes
Length Drill Pipe 5327 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe ft. I.D. Weight Pipe in. Length Drill Collars 465 ft.
I. D. Drill Collars 2 1/2 in. Length D. S. T. Tool 123 ft.

Remarks

C 5 E
3-345-273

WESTERN TESTING CO., INC. Pressure Data

Date 2-7-63 Test Ticket No. 2318
 Recorder No. 1566 Capacity 6000# Location 5848 Ft.
 Clock No. 6893 Elevation 2395' D.F. Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
			9:30 A	9:30 AM
A Initial Hydrostatic Mud	<u>3124</u> P.S.I.	Opened Tool		
B First Initial Flow Pressure	<u>75</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>2</u> Mins.
C First Final Flow Pressure	<u>75</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>322</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>26</u> Mins.
E Second Initial Flow Pressure	<u>81</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>35</u> Mins.
F Second Final Flow Pressure	<u>112</u> P.S.I.			
G Final Closed-in Pressure	<u>110</u> P.S.I.			
H Final Hydrostatic Mud	<u>2967</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>9</u> Inc.	Breakdown: <u>5</u> Inc.	Breakdown: <u>11</u> Inc.
of <u>2</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>1</u> Min.	final inc. of <u>2</u> Min.

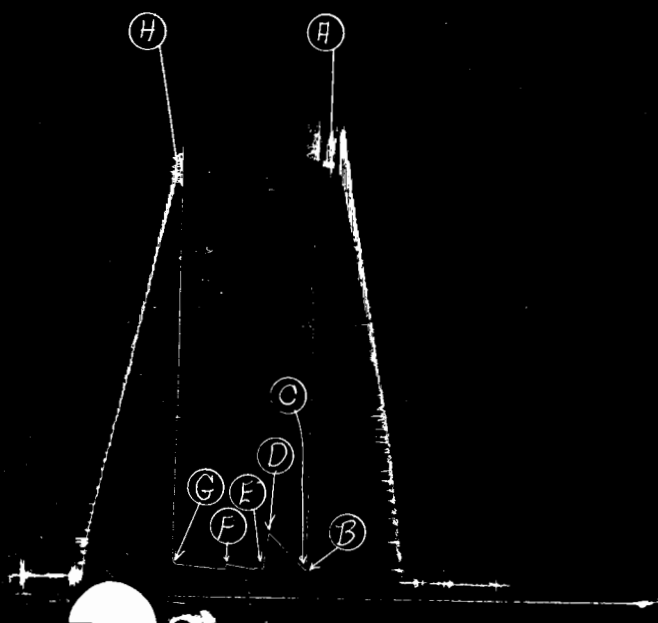
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>75</u>	<u>0</u>	<u>75</u>	<u>0</u>	<u>81</u>	<u>0</u>	<u>78</u>
P 2 <u>2</u>	<u>75</u>	<u>3</u>	<u>96</u>	<u>5</u>	<u>90</u>	<u>3</u>	<u>81</u>
P 3		<u>6</u>	<u>125</u>	<u>10</u>	<u>87</u>	<u>6</u>	<u>81</u>
P 4		<u>9</u>	<u>157</u>	<u>15</u>	<u>96</u>	<u>9</u>	<u>84</u>
P 5		<u>12</u>	<u>189</u>	<u>20</u>	<u>105</u>	<u>12</u>	<u>87</u>
P 6		<u>15</u>	<u>219</u>	<u>25</u>	<u>110</u>	<u>15</u>	<u>90</u>
P 7		<u>18</u>	<u>245</u>	<u>26</u>	<u>112</u>	<u>18</u>	<u>93</u>
P 8		<u>21</u>	<u>280</u>			<u>21</u>	<u>99</u>
P 9		<u>24</u>	<u>309</u>			<u>24</u>	<u>102</u>
P10		<u>27</u>	<u>332</u>			<u>27</u>	<u>105</u>
P11						<u>30</u>	<u>106</u>
P12						<u>33</u>	<u>108</u>
P13						<u>35</u>	<u>110</u>
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Petrolcom Inc.

Well #1

Test # 1

T.K.T. #2318



This is an actual photograph of recorder chart.

POINT

PRESSURE

(A)	Initial Hydrostatic Mud	3124	PSI
(B)	First Initial Flow Pressure	75	PSI
(C)	First Final Flow Pressure	75	PSI
(D)	Initial Closed-in Pressure	332	PSI
(E)	Second Initial Flow Pressure	81	PSI
(F)	Second Final Flow Pressure	112	PSI
(G)	Final Closed-in Pressure	110	PSI
(H)	Final Hydrostatic Mud	2967	PSI

WESTERN

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

Company Petroleum, Inc. Lease & Well No. Weller #1
Elevation 2395' D.F. Ticket Number 2319
Date 2-8-63 Sec. 3 Twp. 34 Range 27 County Meade State Kansas
Test Approved by Robert Brandt Western Representative Norman Allen

Formation Test No. 3 O.K. #2 Misrun #1 (See Remarks) Interval Tested From 5936' to 5976' Total Depth 5976'
Size Main Hole 7 7/8" Rat Hole - Conv. - B.T. X Damaged X Yes - No - Conv. X B.T. - Damaged - Yes X No -
Packer Depth 5931 Ft. Size 6 3/4" Packer Depth 5936 Ft. Size 6 3/4"
Straddle - Yes - No X Conv. - B.T. - Damaged - Yes - No -

Tool Size 5 1/2" O.D. Packer Depth - Ft. Size - Anchor Length 40 Ft. Size 5 1/2" O.D.
Tool Jt. Size 4 1/2" F.H.

RECORDERS	Depth <u>5971</u> Ft.	Clock No. <u>6893</u>	Depth <u>5973</u> Ft.	Clock No. <u>35</u>
	Top Make <u>Amerada</u> Cap. <u>6000#</u> No. <u>1566</u>	Inside <u>-</u> Outside <u>-</u>	Bottom Make <u>Western</u> Cap. <u>6000#</u> No. <u>35</u>	Inside <u>-</u> Outside <u>-</u>
Below Straddle:	Depth <u>-</u> Clock No. <u>-</u>	Inside <u>-</u> Outside <u>-</u>	Depth <u>-</u> Ft. Clock No. <u>-</u>	Inside <u>-</u> Outside <u>-</u>
	Top Make <u>-</u> Cap. <u>-</u> No. <u>-</u>	Inside <u>-</u> Outside <u>-</u>	Bottom Make <u>-</u> Cap. <u>-</u> No. <u>-</u>	Inside <u>-</u> Outside <u>-</u>

Time Set Packer 9:23 A M
Tool Open I.F.P. From 9:25A M to 9:30A M - Hr. 5 Min. From (B) 58 P.S.I. To (C) 58 P.S.I.
Tool Closed I.C.I.P. From 9:30A M. to 10:00A M. - Hr. 30 Min. (D) 1690 P.S.I.
Tool Open F.F.P. From 10:00A M. to 10:30A M. - Hr. 30 Min. From (E) 43 P.S.I. To (F) 67 P.S.I.
Tool Closed F.C.I.P. From 10:30A M. to 11:00A M. - Hr. 30 Min. (G) 651 P.S.I.
Initial Hydrostatic Pressure (A) 3203 P.S.I. Final Hydrostatic Pressure (H) 3133 P.S.I.

SURFACE	Size Choke <u>1</u> In.	Max. Press. P.S.I.	Time	Description of Flow
INFORMATION	<u>-</u>	<u>-</u>	<u>-</u> M.	<u>-</u>
	<u>-</u>	<u>-</u>	<u>-</u> M.	<u>-</u>
	<u>-</u>	<u>-</u>	<u>-</u> M.	<u>-</u>

BLOW Weak blow 5 mins. Bottom Choke Size 3/4 In.
Did Well Flow - Yes X No - Recovery Total Ft. 40

40' Drilling Mud Mud
Reversed Out - Yes X No - Mud Type Starch Viscosity 46 Weight 9.4 Maximum Temp. 126 °F
EXTRA EQUIPMENT: Dual Packers Yes Safety Joint Yes Jars: Size 3 1/2" FH Make Bowen Ser. No. 2639
Type Circ. Sub. Plug Did Tool Plug? No Where? - Did Packer Hold? Yes
Length Drill Pipe 5411 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe - ft. I.D. Weight Pipe - in. Length Drill Collars 495 ft.
I. D. Drill Collars 24 in. Length D. S. T. Tool 70 ft.

Remarks D.O.T. #2-5910' to 5966' was misrun due to packer seat failure.

Irregularity on charts indicates hole condition.

WESTERN TESTING CO., INC.

Pressure Data

Date 2-8-63 Test Ticket No. 2319
 Recorder No. 1566 Capacity 6000# Location 5971 Ft.
 Clock No. 6893 Elevation 2395' D.F. Well Temperature 126 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>3203</u> P.S.I.	Opened Tool	<u>9:25A</u>	<u>9:25 AM</u>
B First Initial Flow Pressure	<u>58</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>58</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>1690</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>43</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>24</u> Mins.
F Second Final Flow Pressure	<u>67</u> P.S.I.			
G Final Closed-in Pressure	<u>651</u> P.S.I.			
H Final Hydrostatic Mud	<u>3133</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>9</u> Inc.	Breakdown: <u>6</u> Inc.	Breakdown: <u>8</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.

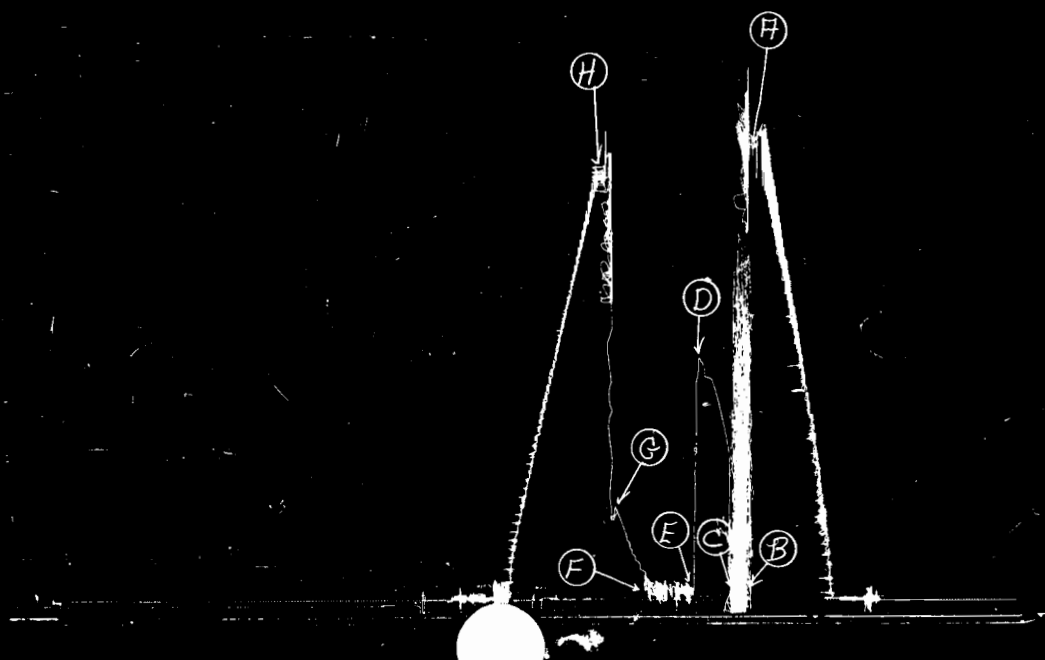
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>58</u>	<u>0</u>	<u>58</u>	<u>0</u>	<u>43</u>	<u>0</u>	<u>67</u>
P 2 <u>5</u>	<u>58</u>	<u>3</u>	<u>929</u>	<u>5</u>	<u>49</u>	<u>3</u>	<u>192</u>
P 3		<u>6</u>	<u>1061</u>	<u>10</u>	<u>52</u>	<u>6</u>	<u>210</u>
P 4		<u>9</u>	<u>1223</u>	<u>15</u>	<u>52</u>	<u>9</u>	<u>268</u>
P 5		<u>12</u>	<u>1361</u>	<u>20</u>	<u>58</u>	<u>12</u>	<u>344</u>
P 6		<u>15</u>	<u>1473</u>	<u>25</u>	<u>64</u>	<u>15</u>	<u>411</u>
P 7		<u>18</u>	<u>1549</u>	<u>30</u>	<u>67</u>	<u>18</u>	<u>511</u>
P 8		<u>21</u>	<u>1561</u>			<u>21</u>	<u>589</u>
P 9		<u>24</u>	<u>1664</u>			<u>24</u>	<u>651</u>
P10		<u>27</u>	<u>1690</u>				
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Petroleum Inc.

Well #1

Test # 3

T.K.T. # 2319



This is an actual photograph of recorder chart

POINT

PRESSURE

(A)	Initial Hydrostatic Mud	3203	PSI
(B)	First Initial Flow Pressure	58	PSI
(C)	First Final Flow Pressure	58	PSI
(D)	Initial Closed-in Pressure	1690	PSI
(E)	Second Initial Flow Pressure	43	PSI
(F)	Second Final Flow Pressure	67	PSI
(G)	Final Closed-in Pressure	651	PSI
(H)	Final Hydrostatic Mud	3133	PSI