



Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Zorger Oil Co. Lease & Well No. Doan #1
Elevation 1834 Kelly Bush Formation Lansing Effective Pay - Ft. Ticker No. 23433
Date 2-16-78 Sec. 6 Twp. 27S Range 11W County Pratt State Kansas
Test Approved by Peter J. Stubb Western Representative Rod Tritt
Formation Test No. 2 O.K. ☒ Misrun ☐ Interval Tested From 3670' to 3695' Total Depth 3695'
Size Main Hole 7 7/8 Rat Hole 4 Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No
Top Packer Depth 3665 Ft. Size 6 1/2 OD Bottom Packer Depth 3670 Ft. Size 6 1/2 OD
Straddle ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No Packer Depth - Ft. Size -
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 25 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 3673 Ft. Clock No. 19617 Depth 3676 Ft. Clock No. 6894
Top Make Kuster Cap. 4150 No. 2604 ~~Inside~~ Outside Bottom Make Kuster Cap. 4150 No. 2606 ~~Inside~~ Outside
Below Straddle: Depth - Rec. No. - Clock No. - ~~Inside~~ Outside Depth - Ft. Rec. No. - Clock No. - ~~Inside~~ Outside
Time Set Packer 8:20P M
Tool Open I.F.P. From 8:20 M. to 8:50 M. - Hr. 30 Min. From (B) 54 P.S.I. To (C) 56 P.S.I.
Tool Closed I.C.I.P. From 8:50 M. to 9:20 M. - Hr. 30 Min (D) 906 P.S.I.
Tool Open F.F.P. From 9:20 M. to 9:50 M. - Hr. 30 Min. From (E) 53 P.S.I. To (F) 68 P.S.I.
Tool Closed F.C.I.P. From 9:50 M. to 10:50 M. - Hr. 60 Min. (G) 1065 P.S.I.
Initial Hydrostatic Pressure (A) 1872 P.S.I. Final Hydrostatic Pressure (H) 1872 P.S.I. Maximum Temp. 110

INFORMATION

BLOW No blow on initial flow period. Very weak blow on final flow period.

Did Well Flow - Yes X No Recovery Total Ft. 45' of drilling mud.

Reversed Out - Yes X No Mud Type Drispac Viscosity 35 Weight 9.6 Water Loss - cc. Chlorides 63,000 ppm

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR H-30 Inc. Length Drill Pipe? 3650 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 45 Ft.

Remarks: Tool went to bottom with no trouble.

WESTERN TESTING CO., INC.
Pressure Data

Date 2-16-78 Test Ticket No. 23433
Recorder No. 2604 Capacity 4150 Location 3673 Ft.
Clock No. 19617 Elevation 1834 Kelly Bushing Well Temperature 110 °F

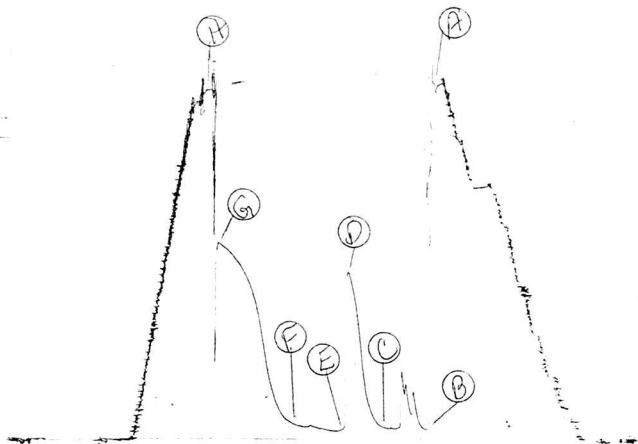
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1872</u> P.S.I.	Open Tool	<u>8:20P</u> M	
B First Initial Flow Pressure	<u>54</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>56</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>33</u> Mins.
D Initial Closed-in Pressure	<u>906</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>53</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>66</u> Mins.
F Second Final Flow Pressure	<u>68</u> P.S.I.			
G Final Closed-in Pressure	<u>1065</u> P.S.I.			
H Final Hydrostatic Mud	<u>1872</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>11</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>22</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>54</u>	<u>0</u>	<u>56</u>	<u>0</u>	<u>53</u>	<u>0</u>	<u>68</u>
P 2 <u>5</u>	<u>62</u>	<u>3</u>	<u>62</u>	<u>5</u>	<u>43</u>	<u>3</u>	<u>73</u>
P 3 <u>10</u>	<u>171</u>	<u>6</u>	<u>72</u>	<u>10</u>	<u>47</u>	<u>6</u>	<u>81</u>
P 4 <u>15</u>	<u>173</u>	<u>9</u>	<u>98</u>	<u>15</u>	<u>55</u>	<u>9</u>	<u>94</u>
P 5 <u>20</u>	<u>324</u>	<u>12</u>	<u>140</u>	<u>20</u>	<u>64</u>	<u>12</u>	<u>107</u>
P 6 <u>25</u>	<u>55</u>	<u>15</u>	<u>209</u>	<u>25</u>	<u>70</u>	<u>15</u>	<u>130</u>
P 7 <u>30</u>	<u>56</u>	<u>18</u>	<u>329</u>	<u>30</u>	<u>68</u>	<u>18</u>	<u>167</u>
P 8		<u>21</u>	<u>498</u>			<u>21</u>	<u>214</u>
P 9		<u>24</u>	<u>648</u>			<u>24</u>	<u>286</u>
P10		<u>27</u>	<u>787</u>			<u>27</u>	<u>376</u>
P11		<u>30</u>	<u>882</u>			<u>30</u>	<u>491</u>
P12		<u>33</u>	<u>906</u>			<u>33</u>	<u>602</u>
P13						<u>36</u>	<u>713</u>
P14						<u>39</u>	<u>795</u>
P15						<u>42</u>	<u>857</u>
P16						<u>45</u>	<u>901</u>
P17						<u>48</u>	<u>942</u>
P18						<u>51</u>	<u>973</u>
P19						<u>54</u>	<u>1001</u>
P20						<u>57</u>	<u>1026</u>
						<u>60</u>	<u>1044</u>
						<u>63</u>	<u>1059</u>
						<u>66</u>	<u>1065</u>

2684

TKT # 23433
I.





Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Zorger Oil Co. Lease & Well No. Doan #1
Elevation 1834 Kelly Bush. Formation Kansas City Effective Pay - Ft. Ticket No. 23434
Date 2-17-78 Sec. 6 Twp. 27S Range 11W County Pratt State Kansas
Test Approved by Peter J. Stubb Western Representative Rod Tritt
Formation Test No. 3 O.K. ☒ Misrun ☐ Interval Tested From 3820' to 3844' Total Depth 3844'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No
Top Packer Depth 3815 Ft. Size 6 1/2 OD Bottom Packer Depth 3820 Ft. Size 6 1/2 OD
Straddle ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No Packer Depth ☐ Ft. Size ☐
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 22 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 3833 Ft. Clock No. 19617 Depth 3836 Ft. Clock No. 6894
Top Make Kuster Cap. 4150 No. 2604 ~~Inside~~ Outside Bottom Make Kuster Cap. 4150 No. 2606 ~~Inside~~ Outside
Below Straddle: Depth ☐ Rec. No. ☐ Clock No. ☐ ~~Inside~~ Outside Depth ☐ Ft. Rec. No. ☐ Clock No. ☐ ~~Inside~~ Outside
Time Set Packer 9:05P M
Tool Open I.F.P. From 9:05 M. to 10:05 M. - Hr. 60 Min. From (B) 62 P.S.I. To (C) 63 P.S.I.
Tool Closed I.C.I.P. From 10:05 M. to 11:05 M. - Hr. 60 Min (D) 1139 P.S.I.
Tool Open F.F.P. From 11:05 M. to 12:35 M. - Hr. 90 Min. From (E) 118 P.S.I. To (F) 122 P.S.I.
Tool Closed F.C.I.P. From 12:35 M. to 1:35 M. - Hr. 60 Min. (G) 1052 P.S.I.
Initial Hydrostatic Pressure (A) 1943 P.S.I. Final Hydrostatic Pressure (H) 1895 P.S.I. Maximum Temp. 118

INFORMATION

BLOW Fair blow building to strong blow on initial flow period. Strong blow throughout final flow period. Gas to surface in 45 minutes. See attached sheet for gas measurements.
Did Well Flow ☐ Yes ☒ No Recovery Total 315' of gas cut oil; 51' gas and oil cut water and drilling mud.

Reversed Out ☐ Yes ☒ No Mud Type Premix Drispac Viscosity 35 Weight 9.5 Water Loss 11.2 cc. Chlorides 62,000 ppm
EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint ☐ Jars: Size ☐ In. Make ☐ Ser. No. ☐
Dual Packer ☒ Yes Did Packers Hold? ☒ Yes Did Tool Plug? ☐ No Where? ☐
DRILLING CONTRACTOR H-30 Inc. Length Drill Pipe? 3802 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.
Length Weight Pipe ☐ Ft. I.D. Weight Pipe ☐ In. Tool Joint Size ☐ In. Length Drill Collars ☐ Ft. I.D. Drill Collars ☐ In.
Tool Joint Size ☐ In. Length D.S.T. Tool 42 Ft.

Remarks: Tool went right to bottom with no trouble. Oil samples saved; oil too gassy to check per-
osity.

Phone 316 262-5861
316 838-0601



P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Date 2-17-78 Ticket 23434 Company Zorger Oil Co.
Well Name and No. Doan #1 Dst No. 3 Interval Tested 3820' - 3844'
County Pratt State Kansas Sec. 6 Twp. 27S Rg. 11W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
PRE FLOW						

SECOND FLOW

11:50	45 min.	5" of water	1/4" orifice	3,710 C.F.P.D.
12:00	55 min.	5" of water	1/4" orifice	3,710 C.F.P.D.
12:10	65 min.	4" of water	1/4" orifice	3,370 C.F.P.D.
12:20	75 min.	4" of water	1/4" orifice	3,370 C.F.P.D.
12:30	85 min.	3" of water	1/4" orifice	2,920 C.F.P.D.
12:35	90 min.	2" of water	1/4" orifice	2,370 C.F.P.D.
Gas to	surface	in 45 minutes.		

GAS BOTTLE

Serial No. - Date Bottle Filled - Date to be Invoiced -

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Zorger Oil Co.

Authorized by Peter Stubb

WESTERN TESTING CO., INC.

Pressure Data

Date 2-17-78 Test Ticket No. 23434
 Recorder No. 2604 Capacity 4150 Location 3833 Ft.
 Clock No. 19617 Elevation 1834 Kelly Bushing Well Temperature 118 °F

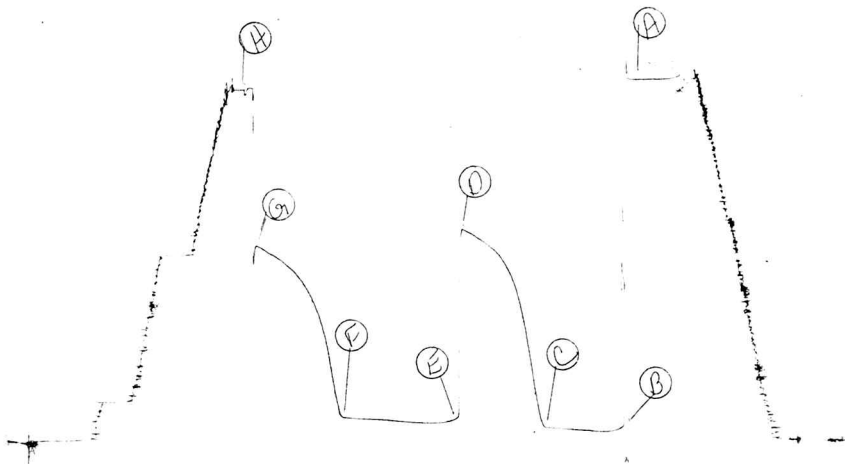
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1943</u> P.S.I.	Open Tool	<u>9:05P</u> M	
B First Initial Flow Pressure	<u>62</u> P.S.I.	First Flow Pressure	<u>60</u> Mins.	<u>55</u> Mins.
C First Final Flow Pressure	<u>63</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>63</u> Mins.
D Initial Closed-in Pressure	<u>1139</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>85</u> Mins.
E Second Initial Flow Pressure	<u>118</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>66</u> Mins.
F Second Final Flow Pressure	<u>122</u> P.S.I.			
G Final Closed-in Pressure	<u>1052</u> P.S.I.			
H Final Hydrostatic Mud	<u>1895</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>11</u> Inc.		Breakdown: <u>21</u> Inc.		Breakdown: <u>17</u> Inc.		Breakdown: <u>22</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>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>62</u>	<u>0</u>	<u>63</u>	<u>0</u>	<u>118</u>	<u>0</u>	<u>122</u>
P 2 <u>5</u>	<u>43</u>	<u>3</u>	<u>92</u>	<u>5</u>	<u>103</u>	<u>3</u>	<u>163</u>
P 3 <u>10</u>	<u>38</u>	<u>6</u>	<u>169</u>	<u>10</u>	<u>94</u>	<u>6</u>	<u>262</u>
P 4 <u>15</u>	<u>38</u>	<u>9</u>	<u>287</u>	<u>15</u>	<u>92</u>	<u>9</u>	<u>389</u>
P 5 <u>20</u>	<u>40</u>	<u>12</u>	<u>420</u>	<u>20</u>	<u>90</u>	<u>12</u>	<u>506</u>
P 6 <u>25</u>	<u>45</u>	<u>15</u>	<u>548</u>	<u>25</u>	<u>92</u>	<u>15</u>	<u>598</u>
P 7 <u>30</u>	<u>49</u>	<u>18</u>	<u>660</u>	<u>30</u>	<u>93</u>	<u>18</u>	<u>678</u>
P 8 <u>35</u>	<u>51</u>	<u>21</u>	<u>754</u>	<u>35</u>	<u>97</u>	<u>21</u>	<u>734</u>
P 9 <u>40</u>	<u>53</u>	<u>24</u>	<u>828</u>	<u>40</u>	<u>100</u>	<u>24</u>	<u>782</u>
P10 <u>45</u>	<u>56</u>	<u>27</u>	<u>888</u>	<u>45</u>	<u>104</u>	<u>27</u>	<u>821</u>
P11 <u>50</u>	<u>59</u>	<u>30</u>	<u>931</u>	<u>50</u>	<u>107</u>	<u>30</u>	<u>858</u>
P12 <u>55</u>	<u>63</u>	<u>33</u>	<u>966</u>	<u>55</u>	<u>110</u>	<u>33</u>	<u>887</u>
P13		<u>36</u>	<u>999</u>	<u>60</u>	<u>113</u>	<u>36</u>	<u>914</u>
P14		<u>39</u>	<u>1023</u>	<u>65</u>	<u>114</u>	<u>39</u>	<u>936</u>
P15		<u>42</u>	<u>1040</u>	<u>70</u>	<u>115</u>	<u>42</u>	<u>953</u>
P16		<u>45</u>	<u>1059</u>	<u>75</u>	<u>117</u>	<u>45</u>	<u>973</u>
P17		<u>48</u>	<u>1075</u>	<u>80</u>	<u>121</u>	<u>48</u>	<u>988</u>
P18		<u>51</u>	<u>1090</u>	<u>85</u>	<u>122</u>	<u>51</u>	<u>1003</u>
P19		<u>54</u>	<u>1106</u>			<u>54</u>	<u>1013</u>
P20		<u>57</u>	<u>1118</u>			<u>57</u>	<u>1027</u>
		<u>60</u>	<u>1130</u>			<u>60</u>	<u>1040</u>
WTC - 4		<u>63</u>	<u>1139</u>			<u>63</u>	<u>1050</u>
						<u>66</u>	<u>1052</u>

TKT # 23434

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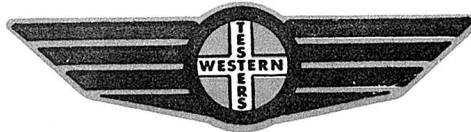


Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Zorger Oil Co. Lease & Well No. Doan #1
Elevation 1834 Kelly Bush. Formation Kansas City Effective Pay - Ft. Ticket No. 23435
Date 2-19-78 Sec. 6 Twp. 27S Range 11W County Pratt State Kansas
Test Approved by Peter J. Stubb Western Representative Rod Tritt
Formation Test No. 4 O.K. ☒ Misrun ☐ Interval Tested From 3933' to 3970' Total Depth 3970'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No
Top Packer Depth 3927 Ft. Size 6 1/2 OD Bottom Packer Depth 3933 Ft. Size 6 1/2 OD
Straddle ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No Packer Depth - Ft. Size -
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 37 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 3936 Ft. Clock No. 19617 Depth 3939 Ft. Clock No. 6894
Top Make Kuster Cap. 4150 No. 2604 Inside Outside Bottom Make Kuster Cap. 4150 No. 2606 Inside Outside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside
Time Set Packer 4:53A M
Tool Open I.F.P. From 4:53 M. to 5:53 M. - Hr. 60 Min. From (B) 104 P.S.I. To (C) 190 P.S.I.
Tool Closed I.C.I.P. From 5:53 M. to 6:53 M. - Hr. 60 Min (D) 1433 P.S.I.
Tool Open F.F.P. From 6:53 M. to 8:20 M. - Hr. 90 Min. From (E) 185 P.S.I. To (F) 291 P.S.I.
Tool Closed F.C.I.P. From 8:20 M. to 9:50 M. - Hr. 90 Min. (G) 1445 P.S.I.
Initial Hydrostatic Pressure (A) 2004 P.S.I. Final Hydrostatic Pressure (H) 1937 P.S.I. Maximum Temp. 120

INFORMATION

BLOW Strong blow through initial flow period. Gas to surface 18 minutes into initial flow period. See attached sheet for gas measurements.
Did Well Flow - Yes ☒ No ☐ Recovery Total Ft. 1100' oil; 980' of gas cut and free oil; 120' of heavy oil and gas cut mud, 37 gravity (corrected 60% oil)
Reversed Out. - Yes ☒ No ☐ Mud Type Drispac Viscosity 32 Weight 9.5 Water Loss 16.0 cc. Chlorides 73,000 ppm
EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint - Jars: Size - In. Make - Ser. No. -
Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -
DRILLING CONTRACTOR H-30 Inc. Length Drill Pipe? 3913 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.
Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars - Ft. I.D. Drill Collars - In.
Tool Joint Size - In. Length D.S.T. Tool 57 Ft.
Remarks: Tool went right to bottom



Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

GAS FLOW REPORT

Date 2-19-78 Ticket 23435 Company Zorger Oil Co.
Well Name and No. Doan #1 Dst No. 4 Interval Tested 3933' - 3970'
County Pratt State Kansas Sec. 6 Twp. 27S Rg. 11W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitor Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
PRE FLOW						
5:10AM	18 min.	8" of water		1" orifice		73,100 C.F.P.D.
5:20	27 min.	8" of water		1" orifice		73,100 C.F.P.D.
5:30	37 min.	8" of water		1" orifice		73,100 C.F.P.D.
5:40	47 min.	8" of water		1" orifice		73,100 C.F.P.D.
5:53	60 min.	8" of water		1" orifice		73,100 C.F.P.D.
SECOND FLOW						
7:00	10 min.	4.5" of water		1" orifice		54,700 C.F.P.D.
7:10	20 min.	4.0" of water		1" orifice		51,600 C.F.P.D.
7:20	30 min.	4.0" of water		1" orifice		51,600 C.F.P.D.
7:30	40 min.	4.0" of water		1" orifice		51,600 C.F.P.D.
7:40	50 min.	4.0" of water		1" orifice		51,600 C.F.P.D.
7:50	60 min.	4.0" of water		1" orifice		51,600 C.F.P.D.
8:00	70 min.	4.0" of water		1" orifice		51,600 C.F.P.D.
8:10	80 min.	4.5" of water		1" orifice		54,700 C.F.P.D.
8:20	90 min.	4.5" of water		1" orifice		54,700 C.F.P.D.

GAS BOTTLE

Serial No. 211 Date Bottle Filled 2-19-78 Date to be Invoiced 2-19-78

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Zorger Oil Co.

Authorized by Peter J. Stubb

WESTERN TESTING CO., INC.

Pressure Data

Date 2-19-78

Test Ticket No. 23435

Recorder No. 2604

Capacity 4150

Location 3936

Clock No. 9617

Elevation 1834 Kelly Bushing

Well Temperature 120

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2004</u> P.S.I.	Open Tool	<u>4:53A.</u> M	
B First Initial Flow Pressure	<u>104</u> P.S.I.	First Flow Pressure	<u>60</u> Mins.	<u>60</u> Min.
C First Final Flow Pressure	<u>190</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Min.
D Initial Closed-in Pressure	<u>1433</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>90</u> Min.
E Second Initial Flow Pressure	<u>185</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Min.
F Second Final Flow Pressure	<u>291</u> P.S.I.			
G Final Closed-in Pressure	<u>1445</u> P.S.I.			
H Final Hydrostatic Mud	<u>1937</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>18</u> Inc.		Breakdown: <u>30</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>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>104</u>	<u>0</u>	<u>190</u>	<u>0</u>	<u>185</u>	<u>0</u>	<u>291</u>
P 2 <u>5</u>	<u>92</u>	<u>3</u>	<u>301</u>	<u>5</u>	<u>177</u>	<u>3</u>	<u>412</u>
P 3 <u>10</u>	<u>100</u>	<u>6</u>	<u>559</u>	<u>10</u>	<u>190</u>	<u>6</u>	<u>703</u>
P 4 <u>15</u>	<u>109</u>	<u>9</u>	<u>811</u>	<u>15</u>	<u>200</u>	<u>9</u>	<u>874</u>
P 5 <u>20</u>	<u>119</u>	<u>12</u>	<u>986</u>	<u>20</u>	<u>210</u>	<u>12</u>	<u>996</u>
P 6 <u>25</u>	<u>132</u>	<u>15</u>	<u>1094</u>	<u>25</u>	<u>220</u>	<u>15</u>	<u>1077</u>
P 7 <u>30</u>	<u>141</u>	<u>18</u>	<u>1163</u>	<u>30</u>	<u>228</u>	<u>18</u>	<u>1140</u>
P 8 <u>35</u>	<u>151</u>	<u>21</u>	<u>1219</u>	<u>35</u>	<u>235</u>	<u>21</u>	<u>1194</u>
P 9 <u>40</u>	<u>162</u>	<u>24</u>	<u>1261</u>	<u>40</u>	<u>239</u>	<u>24</u>	<u>1232</u>
P10 <u>45</u>	<u>170</u>	<u>27</u>	<u>1295</u>	<u>45</u>	<u>246</u>	<u>27</u>	<u>1263</u>
P11 <u>50</u>	<u>181</u>	<u>30</u>	<u>1325</u>	<u>50</u>	<u>252</u>	<u>30</u>	<u>2189</u>
P12 <u>55</u>	<u>186</u>	<u>33</u>	<u>1339</u>	<u>55</u>	<u>258</u>	<u>33</u>	<u>1309</u>
P13 <u>60</u>	<u>10</u>	<u>36</u>	<u>1355</u>	<u>60</u>	<u>265</u>	<u>36</u>	<u>136</u>
P14		<u>39</u>	<u>1376</u>	<u>65</u>	<u>268</u>	<u>39</u>	<u>1344</u>
P15		<u>42</u>	<u>1390</u>	<u>70</u>	<u>273</u>	<u>42</u>	<u>1357</u>
P16		<u>45</u>	<u>1401</u>	<u>75</u>	<u>280</u>	<u>45</u>	<u>1368</u>
P17		<u>48</u>	<u>1410</u>	<u>80</u>	<u>284</u>	<u>48</u>	<u>1376</u>
P18		<u>51</u>	<u>1417</u>	<u>85</u>	<u>290</u>	<u>51</u>	<u>1385</u>
P19		<u>54</u>	<u>1424</u>	<u>90</u>	<u>291</u>	<u>54</u>	<u>1391</u>
P20		<u>57</u>	<u>1431</u>			<u>57</u>	<u>1397</u>
		<u>60</u>	<u>1433</u>			<u>60</u>	<u>1403</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 2-19-78 Test Ticket No. 23435
 Recorder No. 2604 Capacity 4150 Location 3936 Ft.
 Clock No. 9617 Elevation 1834 Kelly Bushing Well Temperature 120 °F

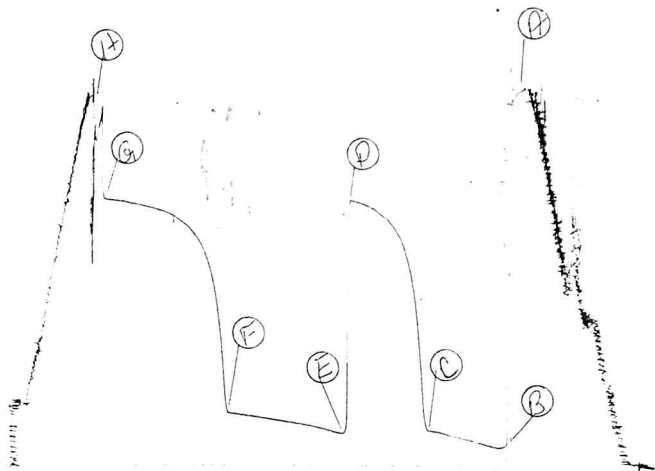
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2004</u> P.S.I.	Open Tool	<u>4:53A.</u> M	
B First Initial Flow Pressure	<u>104</u> P.S.I.	First Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
C First Final Flow Pressure	<u>190</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1433</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>185</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>291</u> P.S.I.			
G Final Closed-in Pressure	<u>1445</u> P.S.I.			
H Final Hydrostatic Mud	<u>1937</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>18</u> Inc.		Breakdown: <u>30</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>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	1410
P 2						66	1414
P 3						69	1420
P 4						72	1424
P 5						75	1430
P 6						78	1434
P 7						81	1436
P 8						84	1439
P 9						87	1441
P10						90	1445
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

2604

TKT # 23435
I.





Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Zorger Oil Co. Lease & Well No. Doan #1
Elevation 1834 Kelly Bush. Formation Kansas City Effective Pay - Ft. Ticker No. 23436
Date 2-20-78 Sec. 6 Twp. 27S Range 11W County Pratt State Kansas
Test Approved by Peter J. Stubb Western Representative Rod Tritt
Formation Test No. 5 O.K. ☒ Misrun ☐ Interval Tested From 3969' to 4405' Total Depth 4405'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No
Top Packer Depth 3964 Ft. Size 6 1/2 OD Bottom Packer Depth 3969 Ft. Size 6 1/2 OD
Straddle ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No Packer Depth ☐ Ft. Size ☐
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 36 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 3962 Ft. Clock No. 19617 Depth 3965 Ft. Clock No. 6894
Top Make Kuster Cap. 4150 No. 2604 Inside Outside Bottom Make Kuster Cap. 4150 No. 2606 Inside Outside
Below Straddle: Depth ☐ Rec. No. ☐ Clock No. ☐ Inside Outside Depth ☐ Ft. Rec. No. ☐ Clock No. ☐ Inside Outside
Time Set Packer 1:20A M
Tool Open I.F.P. From 1:20 M. to 2:20 M. - Hr. 60 Min. From (B) 94 P.S.I. To (C) 62 P.S.I.
Tool Closed I.C.I.P. From 2:20 M. to 3:20 M. - Hr. 60 Min (D) 489 P.S.I.
Tool Open F.F.P. From 3:20 M. to 4:20 M. - Hr. 60 Min. From (E) 137 P.S.I. To (F) 84 P.S.I.
Tool Closed F.C.I.P. From 4:20 M. to 5:50 M. - Hr. 90 Min. (G) 341 P.S.I.
Initial Hydrostatic Pressure (A) 2035 P.S.I. Final Hydrostatic Pressure (H) 2014 P.S.I. Maximum Temp. 120

INFORMATION

BLOW Strong blow with gas to surface in 30 minutes. Weak to fair blow decreasing to no blow on final flow period. See attached sheet for gas measurements.

Did Well Flow ☐ Yes ☒ No Recovery Total Fr. 215' total recovery; 62' mud cut and gas cut oil; 153' gas cut oil.

Reversed Out ☐ Yes ☒ No Mud Type Drispac Viscosity 32 Weight 9.3 Water Loss 30 cc. Chlorides 72,000 ppm

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint ☐ Jars: Size ☐ In. Make ☐ Ser. No. ☐

Dual Packer ☐ Yes Did Packers Hold? ☒ Yes Did Tool Plug? ☐ No Where? ☐

DRILLING CONTRACTOR H-30, Inc. Length Drill Pipe? 4349 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe ☐ Ft. I.D. Weight Pipe ☐ In. Tool Joint Size ☐ In. Length Drill Collars ☐ Ft. I.D. Drill Collars ☐ In.

Tool Joint Size ☐ In. Length D.S.T. Tool 56 Ft.

Remarks: Slid tool 6' to bottom. Read recorder # 2606

WESTERN TESTING CO., INC.

Pressure Data

Date 2-20-78 Test Ticket No. 23436
 Recorder No. 2606 Capacity 4150 Location 3965 Ft.
 Clock No. 6894 Elevation 1834 Kelly Bushing Well Temperature 120 °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 2035 P.S.I. Open Tool 1:20A M
 B First Initial Flow Pressure 94 P.S.I. First Flow Pressure 60 Mins. 60 Mins.
 C First Final Flow Pressure 62 P.S.I. Initial Closed-in Pressure 60 Mins. 60 Mins.
 D Initial Closed-in Pressure 489 P.S.I. Second Flow Pressure 60 Mins. 60 Mins.
 E Second Initial Flow Pressure 137 P.S.I. Final Closed-in Pressure 90 Mins. 90 Mins.
 F Second Final Flow Pressure 84 P.S.I.
 G Final Closed-in Pressure 341 P.S.I.
 H Final Hydrostatic Mud 2014 P.S.I.

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>30</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>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>94</u>	<u>0</u>	<u>62</u>	<u>0</u>	<u>137</u>	<u>0</u>	<u>84</u>
P 2 <u>5</u>	<u>58</u>	<u>3</u>	<u>183</u>	<u>5</u>	<u>100</u>	<u>3</u>	<u>158</u>
P 3 <u>10</u>	<u>52</u>	<u>6</u>	<u>268</u>	<u>10</u>	<u>89</u>	<u>6</u>	<u>200</u>
P 4 <u>15</u>	<u>54</u>	<u>9</u>	<u>312</u>	<u>15</u>	<u>85</u>	<u>9</u>	<u>218</u>
P 5 <u>20</u>	<u>56</u>	<u>12</u>	<u>339</u>	<u>20</u>	<u>83</u>	<u>12</u>	<u>237</u>
P 6 <u>25</u>	<u>56</u>	<u>15</u>	<u>366</u>	<u>25</u>	<u>83</u>	<u>15</u>	<u>250</u>
P 7 <u>30</u>	<u>56</u>	<u>18</u>	<u>383</u>	<u>30</u>	<u>81</u>	<u>18</u>	<u>262</u>
P 8 <u>35</u>	<u>56</u>	<u>21</u>	<u>397</u>	<u>35</u>	<u>81</u>	<u>21</u>	<u>270</u>
P 9 <u>40</u>	<u>58</u>	<u>24</u>	<u>412</u>	<u>40</u>	<u>81</u>	<u>24</u>	<u>279</u>
P10 <u>45</u>	<u>60</u>	<u>27</u>	<u>425</u>	<u>45</u>	<u>83</u>	<u>27</u>	<u>285</u>
P11 <u>50</u>	<u>61</u>	<u>30</u>	<u>435</u>	<u>50</u>	<u>83</u>	<u>30</u>	<u>289</u>
P12 <u>55</u>	<u>62</u>	<u>33</u>	<u>446</u>	<u>55</u>	<u>84</u>	<u>33</u>	<u>293</u>
P13 <u>60</u>	<u>62</u>	<u>36</u>	<u>450</u>	<u>60</u>	<u>84</u>	<u>36</u>	<u>299</u>
P14		<u>39</u>	<u>456</u>			<u>39</u>	<u>304</u>
P15		<u>42</u>	<u>460</u>			<u>42</u>	<u>306</u>
P16		<u>45</u>	<u>469</u>			<u>45</u>	<u>310</u>
P17		<u>48</u>	<u>473</u>			<u>48</u>	<u>312</u>
P18		<u>51</u>	<u>479</u>			<u>51</u>	<u>314</u>
P19		<u>54</u>	<u>483</u>			<u>54</u>	<u>316</u>
P20		<u>57</u>	<u>487</u>			<u>57</u>	<u>318</u>
		<u>60</u>	<u>489</u>				

WESTERN TESTING CO., INC.

Pressure Data

Date 2-20-78

Test Ticket No. 23436

Recorder No. 2606 Capacity 4150 Location 3965 Ft.

Clock No. 6894 Elevation 1834 Kelly Bushing Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2035</u> P.S.I.	Open Tool	<u>1:20A</u> M	
B First Initial Flow Pressure	<u>94</u> P.S.I.	First Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
C First Final Flow Pressure	<u>62</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>489</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>137</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>84</u> P.S.I.			
G Final Closed-in Pressure	<u>341</u> P.S.I.			
H Final Hydrostatic Mud	<u>2014</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>30</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>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						<u>60</u>	<u>320</u>
P 2						<u>63</u>	<u>322</u>
P 3						<u>66</u>	<u>324</u>
P 4						<u>69</u>	<u>327</u>
P 5						<u>72</u>	<u>331</u>
P 6						<u>75</u>	<u>333</u>
P 7						<u>78</u>	<u>335</u>
P 8						<u>81</u>	<u>337</u>
P 9						<u>84</u>	<u>339</u>
P10						<u>87</u>	<u>340</u>
P11						<u>90</u>	<u>341</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

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