



Home Office: Wichita, Kansas 67201

P. O. Box 1599

(316) 838-0601

Company Kansas Oil Corporation

Lease & Well No. Landwher #1

Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 22967

Date 4-13-78 Sec. 7 Twp. 33S Range 10W County Barber State Kansas

Test Approved by Lee Paulsen Western Representative Vernon Wondra

Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 4635' to 4670' Total Depth 4670'

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

Top Packer Depth 4631 Ft. Size 6 3/4 Bottom Packer Depth 4635 Ft. Size 6 3/4

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 35 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4660 Ft. Clock No. 10412 Depth 4663 Ft. Clock No. 4763

Top Make Kuster Cap. 4200 No. 1563 ☐ Inside ☒ Outside Bottom Make Kuster Cap. 3150 No. 1565 ☐ Inside ☒ Outside

Below Straddle: Depth ☐ Rec. No. ☐ Clock No. ☐ ☐ Inside ☒ Outside Depth ☐ Ft. Rec. No. ☐ Clock No. ☐ ☐ Inside ☒ Outside

Time Set Packer 12:38A. M

Tool Open I.F.P. From 12:40A M. to 1:10A M. - Hr. 30 Min. From (B) 93 P.S.I. To (C) 81 P.S.I.

Tool Closed I.C.I.P. From 1:10A M. to 1:40A M. - Hr. 30 Min (D) 423 P.S.I.

Tool Open F.F.P. From 1:40A M. to 2:40A M. - Hr. 60 Min. From (E) 129 P.S.I. To (F) 114 P.S.I.

Tool Closed F.C.I.P. From 2:40A M. to 3:40A M. - Hr. 60 Min. (G) 881 P.S.I.

Initial Hydrostatic Pressure (A) 2343 P.S.I. Final Hydrostatic Pressure (H) 2333 P.S.I. Maximum Temp. 120

INFORMATION

BLOW Strong blow throughout test. Gas to surface in 30 minutes. See attached sheet for gas measurments.

Did Well Flow ☒ Yes ☐ No Recovery Total Ft. 230' of mud.

Reversed Out ☐ Yes ☒ No Mud Type Starch Viscosity 49 Weight 9.3 Water Loss 8.8 cc. Chlorides 41,000 PPM

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint ☐ Jars: Size 4 3/4 In. Make WTC Ser. No. 402

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

DRILLING CONTRACTOR Abercrombie Drlg. Co. (#11) Length Drill Pipe 4076 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH

Length Weight Pipe 448 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 5XH In. Length Drill Collars 89 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/2 XH In. Length D.S.T. Tool 57 Ft.

Remarks:



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GAS FLOW REPORT

Date 4-13-78 Ticket 22967 Company Kansas Oil Corporation
Well Name and No. Landwher #1 Dst No. 1 Interval Tested 4635' - 4670'
County Barber State Kansas Sec. 7 Twp. 33S Rg. 10W

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						
	15 min.	22" of water		1/4" orifice		7,880 C.F.P.D.
	30 min.	22" of water		1/4" orifice		7,880 C.F.P.D.
	45 min.	22" of water		1/4" orifice		7,880 C.F.P.D.
	60 min.	22" of water		1/4" orifice		7,880 C.F.P.D.

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 Kansas Oil Corporation

Authorized by Lee Paulsen

WESTERN TESTING CO., INC.

Pressure Data

Date 4/13/78 Test Ticket No. 22967

Recorder No. 1563 Capacity 4200 Location 4660 Ft.

Block No. 10412 Elevation ----- Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2343 P.S.I.	Open Tool	12:38A M	
B First Initial Flow Pressure	93 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	81 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	423 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	129 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	114 P.S.I.			
G Final Closed-in Pressure	881 P.S.I.			
H Final Hydrostatic Mud	2333 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>20</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>93</u>	<u>0</u>	<u>81</u>	<u>0</u>	<u>129</u>	<u>0</u>	<u>114</u>
P 2 <u>5</u>	<u>72</u>	<u>3</u>	<u>153</u>	<u>5</u>	<u>106</u>	<u>3</u>	<u>155</u>
P 3 <u>10</u>	<u>71</u>	<u>6</u>	<u>219</u>	<u>10</u>	<u>99</u>	<u>6</u>	<u>216</u>
P 4 <u>15</u>	<u>72</u>	<u>9</u>	<u>270</u>	<u>15</u>	<u>99</u>	<u>9</u>	<u>278</u>
P 5 <u>20</u>	<u>73</u>	<u>12</u>	<u>304</u>	<u>20</u>	<u>100</u>	<u>12</u>	<u>332</u>
P 6 <u>25</u>	<u>78</u>	<u>15</u>	<u>331</u>	<u>25</u>	<u>101</u>	<u>15</u>	<u>386</u>
P 7 <u>30</u>	<u>81</u>	<u>18</u>	<u>348</u>	<u>30</u>	<u>103</u>	<u>18</u>	<u>433</u>
P 8 <u> </u>	<u> </u>	<u>21</u>	<u>362</u>	<u>35</u>	<u>106</u>	<u>21</u>	<u>481</u>
P 9 <u> </u>	<u> </u>	<u>24</u>	<u>370</u>	<u>40</u>	<u>108</u>	<u>24</u>	<u>536</u>
P10 <u> </u>	<u> </u>	<u>27</u>	<u>414</u>	<u>45</u>	<u>112</u>	<u>27</u>	<u>579</u>
P11 <u> </u>	<u> </u>	<u>39</u>	<u>423</u>	<u>50</u>	<u>114</u>	<u>30</u>	<u>615</u>
P12 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>55</u>	<u>114</u>	<u>33</u>	<u>653</u>
P13 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>60</u>	<u>114</u>	<u>36</u>	<u>685</u>
P14 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>39</u>	<u>719</u>
P15 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>42</u>	<u>745</u>
P16 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>45</u>	<u>772</u>
P17 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>48</u>	<u>798</u>
P18 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>51</u>	<u>821</u>
P19 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>54</u>	<u>843</u>
P20 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u>57</u>	<u>864</u>
						<u>60</u>	<u>881</u>

TK4# 22967

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Home Office: Wichita, Kansas 67201

P. O. Box 1599

(316) 838-0601

Company Kansas Oil Corporation Lease & Well No. Landwher #1
Elevation 1649 Kelly Bushing Formation Mississippi Effective Pay 16 Ft. Ticket No. 22968
Date 4/13/78 Sec. 7 Twp. 33s Range 10w County Barber State Kansas
Test Approved by Lee Poulsen Western Representative Vernon Wondra
Formation Test No. 2 O.K. ☒ Misrun ☐ Interval Tested From 4668' to 4695' Total Depth 4695'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No
Top Packer Depth 4663 Ft. Size 6 3/4 Bottom Packer Depth 4668' Ft. Size 6 3/4
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 27 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 4686 Ft. Clock No. 10412 Depth 4689 Ft. Clock No. 4763
Top Make Kuster Cap. 4200 No. 1563 Inside ☒ Outside ☐ Bottom Make Kuster Cap. 3150 No. 1565 Inside ☐ Outside ☒
Below Straddle: Depth -- Rec. No. -- Clock No. -- Inside ☐ Outside ☐ Depth -- Ft. Rec. No. -- Clock No. -- Inside ☐ Outside ☐
Time Set Packer 3:08 M
Tool Open I.F.P. From 3:10 M. to 3:40 M. - Hr. 30 Min. From (B) 78 P.S.I. To (C) 61 P.S.I.
Tool Closed I.C.I.P. From 3:40 M. to 4:10 M. - Hr. 30 Min (D) 347 P.S.I.
Tool Open F.F.P. From 4:10 M. to 5:10 M. - Hr. 60 Min. From (E) 99 P.S.I. To (F) 82 P.S.I.
Tool Closed F.C.I.P. From 5:10 M. to 6:10 M. - Hr. 60 Min. (G) 911 P.S.I.
Initial Hydrostatic Pressure (A) 2354 P.S.I. Final Hydrostatic Pressure (H) 2337 P.S.I. Maximum Temp. 118

INFORMATION

BLOW Strong blow throughout the test. Gas to surface in 52 minutes on second flow period.

Did Well Flow ☐ Yes ☒ No Recovery Total Ft. 120' mud

Reversed Out ☐ Yes ☒ No Mud Type starch Viscosity 54 Weight 8.7 Aired Water Loss 6.8 cc. Chlorides 32,000 PPM

EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint -- Jars: Size 4 3/4 In. Make WTC Ser. No. 402

Dual Packer yes Did Packers Hold? yes Did Tool Plug? no Where? --

DRILLING CONTRACTOR Abercrombie Drlg. Rig #11 Length Drill Pipe? 4102 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.

Length Weight Pipe 448 Ft. I.D. Weight Pipe 3.8 In. Tool Joint Size 5" XH Length Drill Collars 89 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/2 XH In. Length D.S.T. Tool 56 Ft.

Remarks:

Gas gauged 5,320 C.F.P.D.

WESTERN TESTING CO., INC.

Pressure Data

Date 4/13/78 Test Ticket No. 22968
 Recorder No. 1563 Capacity 4200 Location 4686 Ft.
 Clock No. 10412 Elevation 1649 Kelly Bushing Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2354 P.S.I.	Open Tool	3:08 M	
B First Initial Flow Pressure	78 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	61 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	347 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	99 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	82 P.S.I.			
G Final Closed-in Pressure	911 P.S.I.			
H Final Hydrostatic Mud	2337 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>20</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>78</u>	<u>0</u>	<u>61</u>	<u>0</u>	<u>99</u>	<u>0</u>	<u>82</u>
P 2 <u>5</u>	<u>60</u>	<u>3</u>	<u>99</u>	<u>5</u>	<u>80</u>	<u>3</u>	<u>129</u>
P 3 <u>10</u>	<u>60</u>	<u>6</u>	<u>136</u>	<u>10</u>	<u>73</u>	<u>6</u>	<u>188</u>
P 4 <u>15</u>	<u>60</u>	<u>9</u>	<u>147</u>	<u>15</u>	<u>73</u>	<u>9</u>	<u>252</u>
P 5 <u>20</u>	<u>61</u>	<u>12</u>	<u>151</u>	<u>20</u>	<u>73</u>	<u>12</u>	<u>300</u>
P 6 <u>25</u>	<u>61</u>	<u>15</u>	<u>164</u>	<u>25</u>	<u>75</u>	<u>15</u>	<u>362</u>
P 7 <u>30</u>	<u>61</u>	<u>18</u>	<u>237</u>	<u>30</u>	<u>75</u>	<u>18</u>	<u>418</u>
P 8		<u>21</u>	<u>272</u>	<u>35</u>	<u>78</u>	<u>21</u>	<u>470</u>
P 9		<u>24</u>	<u>304</u>	<u>40</u>	<u>79</u>	<u>24</u>	<u>515</u>
P 10		<u>27</u>	<u>310</u>	<u>45</u>	<u>80</u>	<u>27</u>	<u>562</u>
P 11		<u>30</u>	<u>1347</u>	<u>50</u>	<u>81</u>	<u>30</u>	<u>602</u>
P 12				<u>55</u>	<u>82</u>	<u>33</u>	<u>647</u>
P 13				<u>60</u>	<u>82</u>	<u>36</u>	<u>685</u>
P 14						<u>39</u>	<u>723</u>
P 15						<u>42</u>	<u>757</u>
P 16						<u>45</u>	<u>787</u>
P 17						<u>48</u>	<u>821</u>
P 18						<u>51</u>	<u>849</u>
P 19						<u>54</u>	<u>874</u>
P 20						<u>57</u>	<u>900</u>
						<u>60</u>	<u>911</u>

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