

Company Camio Oil Company Lease & Well No. Parry #1
Elevation 1236 Kelly Bushing Oread Effective Pay -- Ft. Ticket No. 4837
Date 4/3/80 Sec. 16 Twp. 27S Range 4E County Butler State Kansas
Test Approved by F. D. Morgan Western Representative W. K. Hager

Formation Test No. 1 Interval Tested from 1377 ft. to 1410 ft. Total Depth 1410 ft.

Packer Depth 1372 ft. Size 6 3/4 Packer Depth - ft. Size - in.

Packer Depth 1377 ft. Size 6 3/4 Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 1387 ft. Recorder Number 1559 Cap. 4200

Bottom Recorder Depth (Outside) 1390 ft. Recorder Number 1558 Cap. 4200

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor White & Ellis Drilling #4 Drill Collar Length 270 I. D. 2 1/2 in.

Mud Type chemical Viscosity 37 Weight Pipe Length - I. D. - in.

Weight NT Water Loss NT cc. Drill Pipe Length 1097 I. D. 3.8 in.

Chlorides NT P.P.M. Test Tool Length 43 ft. Tool Size 5 1/2 in.

Jars: Make - Serial Number - Anchor Length 23 ft. Size 5 1/2 in.

Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Weak increasing to fair blow on initial flow period/strong blow on final flow period.

Recovered 50 ft. of muddy water

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 8:40 ~~AM~~ P.M. Time Started Off Bottom 10:40 ~~AM~~ P.M. Maximum Temperature 91°

Initial Hydrostatic Pressure 704 (A) P.S.I.

Initial Flow Period 30 Minutes (B) 40 P.S.I. to (C) 40 P.S.I.

Initial Closed In Period 30 Minutes (D) 176 P.S.I.

Final Flow Period 30 Minutes (E) 71 P.S.I. to (F) 96 P.S.I.

Final Closed In Period 36 Minutes (G) 205 P.S.I.

Final Hydrostatic Pressure 700 (H) P.S.I.

WESTERN TESTING CO., INC. **Pressure Data**

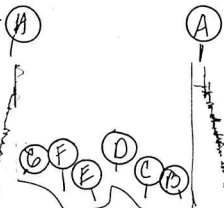
Date 4/3/80 Test Ticket No. 4837
 Recorder No. 1559 Capacity 4200 Location 1387 Ft.
 Clock No. ----- Elevation 1236 Kelly Bushing Well Temperature 91 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>704</u> P.S.I.	Open Tool	<u>8:40P</u> M	
B First Initial Flow Pressure	<u>40</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>40</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>176</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>71</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>36</u> Mins.
F Second Final Flow Pressure	<u>96</u> P.S.I.			
G Final Closed-in Pressure	<u>205</u> P.S.I.			
H Final Hydrostatic Mud	<u>700</u> 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>9</u> Inc.		Breakdown: <u>12</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>40</u>	<u>0</u>	<u>40</u>	<u>0</u>	<u>71</u>	<u>0</u>	<u>96</u>
P 2 <u>5</u>	<u>40</u>	<u>3</u>	<u>42</u>	<u>5</u>	<u>63</u>	<u>3</u>	<u>61</u>
P 3 <u>10</u>	<u>40</u>	<u>6</u>	<u>50</u>	<u>10</u>	<u>53</u>	<u>6</u>	<u>98</u>
P 4 <u>15</u>	<u>40</u>	<u>9</u>	<u>65</u>	<u>15</u>	<u>48</u>	<u>9</u>	<u>125</u>
P 5 <u>20</u>	<u>40</u>	<u>12</u>	<u>89</u>	<u>20</u>	<u>45</u>	<u>12</u>	<u>147</u>
P 6 <u>25</u>	<u>40</u>	<u>15</u>	<u>115</u>	<u>25</u>	<u>61</u>	<u>15</u>	<u>163</u>
P 7 <u>30</u>	<u>40</u>	<u>18</u>	<u>136</u>	<u>30</u>	<u>96</u>	<u>18</u>	<u>176</u>
P 8		<u>21</u>	<u>150</u>			<u>21</u>	<u>184</u>
P 9		<u>24</u>	<u>164</u>			<u>24</u>	<u>193</u>
P10		<u>27</u>	<u>171</u>			<u>27</u>	<u>195</u>
P11		<u>30</u>	<u>176</u>			<u>30</u>	<u>201</u>
P12						<u>33</u>	<u>203</u>
P13						<u>36</u>	<u>205</u>
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Rt # 4837
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Company Camio Oil Company Lease & Well No. Parry #1
 Elevation 1236 Kelly Bushing Kansas City Effective Pay ---- Ft. Ticket No. 4838
 Date 4/5/80 Sec. 16 Twp. 27S Range 4E County Butler State Kansas
 Test Approved by F. D. Morgan Western Representative W. K. Hager
 Formation Test No. 2 Interval Tested from 2012 ft. to 2030 ft. Total Depth 2030 ft.
 Packer Depth 2007 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 2012 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 2017 ft. Recorder Number 1559 Cap. 4200
 Bottom Recorder Depth (Outside) 2020 ft. Recorder Number 1558 Cap. 4200
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor White & Ellis Drilling #4 Drill Collar Length 150 I. D. 2 1/4 in.
 Mud Type chemical Viscosity 44 Weight Pipe Length - I. D. - in.
 Weight 9.7 Water Loss 11.2 cc. Drill Pipe Length 1842 I. D. 3.8 in.
 Chlorides 2,300 P.P.M. Test Tool Length 38 ft. Tool Size 5 1/2 in.
 Jars: Make - Serial Number - Anchor Length 18 ft. Size 5 1/2 in.
 Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Very weak blow; died in ten minutes; flushed tool; no positive results.

Recovered 5 ft. of mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 12:25 AM P.M. Time Started Off Bottom 1:25 AM P.M. Maximum Temperature 99°
 Initial Hydrostatic Pressure 1038 P.S.I.
 Initial Flow Period 30 Minutes (B) 23 P.S.I. to (C) 8 P.S.I.
 Initial Closed In Period 33 Minutes (D) 171 P.S.I.
 Final Flow Period -- Minutes (E) NOT TAKEN P.S.I. to (F) NOT TAKEN P.S.I.
 Final Closed In Period -- Minutes (G) NOT TAKEN P.S.I.
 Final Hydrostatic Pressure 1015 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

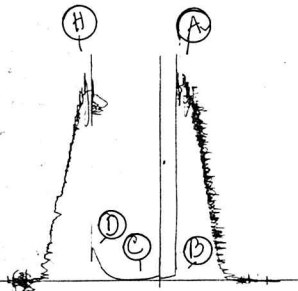
Date 4/5/80 Recorder No. 1559 Capacity 4200 Test Ticket No. 4838
 Location 2017 Ft. 1236 Kelly Bushing
 Clock No. ----- Elevation ----- Well Temperature 99 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1038</u>	P.S.I.	<u>12:25P</u>	<u>M</u>
B First Initial Flow Pressure	<u>23</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
C First Final Flow Pressure	<u>8</u>	P.S.I.	<u>30</u>	Mins. <u>33</u> Mins.
D Initial Closed-in Pressure	<u>171</u>	P.S.I.	<u>--</u>	Mins. <u>--</u> Mins.
E Second Initial Flow Pressure	<u>NOT TAKEN</u>	P.S.I.	<u>--</u>	Mins. <u>--</u> Mins.
F Second Final Flow Pressure	<u>NOT TAKEN</u>	P.S.I.		
G Final Closed-in Pressure	<u>NOT TAKEN</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1015</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>0</u> Inc.		Breakdown: <u>0</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>23</u>	<u>0</u>	<u>8</u>				
P 2 <u>5</u>	<u>17</u>	<u>3</u>	<u>8</u>				
P 3 <u>10</u>	<u>10</u>	<u>6</u>	<u>8</u>				
P 4 <u>15</u>	<u>15</u>	<u>9</u>	<u>8</u>				
P 5 <u>20</u>	<u>10</u>	<u>12</u>	<u>8</u>				
P 6 <u>25</u>	<u>8</u>	<u>15</u>	<u>17</u>				
P 7 <u>30</u>	<u>8</u>	<u>18</u>	<u>25</u>				
P 8		<u>21</u>	<u>40</u>				
P 9		<u>24</u>	<u>63</u>				
P10		<u>27</u>	<u>100</u>				
P11		<u>30</u>	<u>148</u>				
P12		<u>33</u>	<u>171</u>				
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKL # 4838
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Company Camio Oil Company Lease & Well No. Perry #1
Elevation 1236 Kelly Bushing Simpson Formation Simpson Effective Pay ----- Ft. Ticket No. 4839
Date 4/7/80 Sec. 16 Twp. 27S Range 4E County Butler State Kansas
Test Approved by F. W. Morgan Western Representative W. K. Hager

Formation Test No. 3 Interval Tested from 2453 ft. to 2474 ft. Total Depth 2474 ft.

Packer Depth 2448 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 2453 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 2463 ft. Recorder Number 1559 Cap. 4200

Bottom Recorder Depth (Outside) 2466 ft. Recorder Number 1558 Cap. 4200

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor White & Ellis Drilling Rig #4 Drill Collar Length 150 I. D. 2 1/4 in.

Mud Type chemical Viscosity 43 Weight Pipe Length - I. D. - in.

Weight 9.7 Water Loss 14.4 cc. Drill Pipe Length 2283 I. D. 3.8 in.

Chlorides 3,000 P.P.M. Test Tool Length 41 ft. Tool Size 5 1/2 in.

Jars: Make -- Serial Number - Anchor Length 21 ft. Size 5 1/2 in.

Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Weak increasing to strong blow on initial flow period/strong blow on final flow period.

Recovered 130 ft. of oil cut mud with a show of free oil in top ten feet.

Recovered 120 ft. of sulphur water with a scum of oil

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 3:55 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 5:55 ~~P.M.~~ ^{A.M.} Maximum Temperature 104°

Initial Hydrostatic Pressure 1320 (A) P.S.I.

Initial Flow Period 30 Minutes (B) 79 P.S.I. to (C) 83 P.S.I.

Initial Closed In Period 30 Minutes (D) 772 P.S.I.

Final Flow Period 30 Minutes (E) 188 P.S.I. to (F) 140 P.S.I.

Final Closed In Period 30 Minutes (G) 758 P.S.I.

Final Hydrostatic Pressure 1293 (H) P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

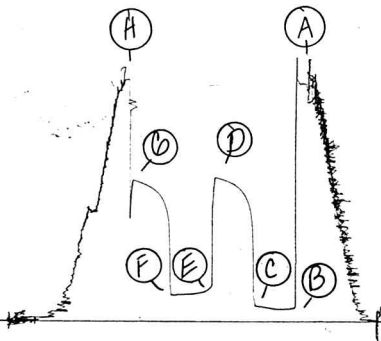
Date 4/7/80 Test Ticket No. 4839
 Recorder No. 1559 Capacity 4200 Location 2463 Ft.
 Clock No. ----- Elevation 1236 Kelly Bushing Well Temperature 104 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1320</u> P.S.I.	Open Tool	<u>3:55A</u> M	
B First Initial Flow Pressure	<u>79</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>83</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>772</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>188</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>140</u> P.S.I.			
G Final Closed-in Pressure	<u>758</u> P.S.I.			
H Final Hydrostatic Mud	<u>1293</u> 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>6</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 <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>79</u>	<u>0</u>	<u>83</u>	<u>0</u>	<u>188</u>	<u>0</u>	<u>140</u>
P 2 <u>5</u>	<u>67</u>	<u>3</u>	<u>439</u>	<u>5</u>	<u>159</u>	<u>3</u>	<u>533</u>
P 3 <u>10</u>	<u>66</u>	<u>6</u>	<u>621</u>	<u>10</u>	<u>150</u>	<u>6</u>	<u>631</u>
P 4 <u>15</u>	<u>66</u>	<u>9</u>	<u>675</u>	<u>15</u>	<u>146</u>	<u>9</u>	<u>671</u>
P 5 <u>20</u>	<u>72</u>	<u>12</u>	<u>704</u>	<u>20</u>	<u>144</u>	<u>12</u>	<u>696</u>
P 6 <u>25</u>	<u>78</u>	<u>15</u>	<u>725</u>	<u>25</u>	<u>142</u>	<u>15</u>	<u>714</u>
P 7 <u>30</u>	<u>83</u>	<u>18</u>	<u>737</u>	<u>30</u>	<u>140</u>	<u>18</u>	<u>723</u>
P 8 _____		<u>21</u>	<u>750</u>			<u>21</u>	<u>731</u>
P 9 _____		<u>24</u>	<u>760</u>			<u>24</u>	<u>740</u>
P10 _____		<u>27</u>	<u>766</u>			<u>27</u>	<u>749</u>
P11 _____		<u>30</u>	<u>772</u>			<u>30</u>	<u>758</u>
P12 _____							
P13 _____							
P14 _____							
P15 _____							
P16 _____							
P17 _____							
P18 _____							
P19 _____							
P20 _____							

TKT # 4839
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Company Camio Oil Company Lease & Well No. Perry #1
Elevation 1236 Kelly Bushing Arbuckle Formation Effective Pay ---- Ft. Ticket No. 4840
Date 4/7/80 Sec. 16 Twp. 27S Range 4E County Butler State Kansas
Test Approved by F. W. Morgan Western Representative W. K. Hager

Formation Test No. 4 Interval Tested from 2525 ft. to 2542 ft. Total Depth 2542 ft.

Packer Depth 2520 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 2525 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 2530 ft. Recorder Number 1559 Cap. 4200

Bottom Recorder Depth (Outside) 2533 ft. Recorder Number 1558 Cap. 4200

Below Straddle Recorder Depth -- ft. Recorder Number - Cap. -

Drilling Contractor White & Ellis Drilling Rig#4 Drill Collar Length 150 I. D. 2 1/4 in.

Mud Type chemical Viscosity 40 Weight Pipe Length - I. D. - in.

Weight 9.9 Water Loss 12 cc. Drill Pipe Length - I. D. 3.8 in.

Chlorides 3,800 P.P.M. Test Tool Length 37 ft. Tool Size 5 1/2 in.

Jars: Make - Serial Number - Anchor Length 17 ft. Size 5 1/2 in.

Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Weak increasing to fair blow on initial flow period/fair increasing to strong blow on final flow period.

Recovered 60 ft. of free oil

Recovered 60 ft. of heavy oil cut mud

Recovered 60 ft. of oil cut mud

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 5:25 ~~AM~~ P.M. Time Started Off Bottom 7:25 ~~AM~~ P.M. Maximum Temperature 105°

Initial Hydrostatic Pressure (A) 1351 P.S.I.

Initial Flow Period Minutes 35 (B) 23 P.S.I. to (C) 32 P.S.I.

Initial Closed In Period Minutes 24 (D) 861 P.S.I.

Final Flow Period Minutes 30 (E) 111 P.S.I. to (F) 86 P.S.I.

Final Closed In Period Minutes 30 (G) 866 P.S.I.

Final Hydrostatic Pressure (H) 1301 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 4/7/80 Test Ticket No. 4840
 Recorder No. 1559 Capacity 4200 Location 2530 Ft.
 Clock No. ----- Elevation 1236 Kelly Bushing Well Temperature 105 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1351	P.S.I.	5:25P	M
B First Initial Flow Pressure	23	P.S.I.	30	35
C First Final Flow Pressure	32	P.S.I.	30	24
D Initial Closed-in Pressure	861	P.S.I.	30	30
E Second Initial Flow Pressure	111	P.S.I.	30	30
F Second Final Flow Pressure	86	P.S.I.		
G Final Closed-in Pressure	866	P.S.I.		
H Final Hydrostatic Mud	1301	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>8</u> Inc.		Breakdown: <u>6</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 <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>23</u>	<u>0</u>	<u>32</u>	<u>0</u>	<u>111</u>	<u>0</u>	<u>86</u>
P 2 <u>5</u>	<u>25</u>	<u>3</u>	<u>314</u>	<u>5</u>	<u>105</u>	<u>3</u>	<u>441</u>
P 3 <u>10</u>	<u>27</u>	<u>6</u>	<u>764</u>	<u>10</u>	<u>96</u>	<u>6</u>	<u>756</u>
P 4 <u>15</u>	<u>29</u>	<u>9</u>	<u>810</u>	<u>15</u>	<u>92</u>	<u>9</u>	<u>800</u>
P 5 <u>20</u>	<u>30</u>	<u>12</u>	<u>833</u>	<u>20</u>	<u>90</u>	<u>12</u>	<u>820</u>
P 6 <u>25</u>	<u>31</u>	<u>15</u>	<u>845</u>	<u>25</u>	<u>88</u>	<u>15</u>	<u>835</u>
P 7 <u>30</u>	<u>31</u>	<u>18</u>	<u>853</u>	<u>30</u>	<u>86</u>	<u>18</u>	<u>843</u>
P 8 <u>35</u>	<u>32</u>	<u>21</u>	<u>861</u>			<u>21</u>	<u>852</u>
P 9		<u>24</u>	<u>868</u>			<u>24</u>	<u>858</u>
P10						<u>27</u>	<u>864</u>
P11						<u>30</u>	<u>866</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

RT # 4840
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