



P. O. BOX 793 PHONE 793-7903  
GREAT BEND, KANSAS

WESTERN TESTING CO., INC.  
FORMATION TESTING

TICKET 21997

Formation Cleveland Elevation 2000 Eff. Pay - Ft.

District Augusta Date 5-8-77 Customer Order No. \_\_\_\_\_

COMPANY NAME Camio Oil Company

ADDRESS Box 153 Augusta, KS 67010

LEASE AND WELL NO. Hoskins #1 COUNTY Cowley STATE KS Sec. 1 Twp. 31S Rge. 5E

Mail Inv. To Same Co. Name \_\_\_\_\_ Address \_\_\_\_\_ No. Copies Requested 1

Mail Charts To Same Co. Name \_\_\_\_\_ Address \_\_\_\_\_ No. Copies Requested 5

Formation Test No. 1 O.K.  Misrun  Interval Tested From 2550 to 2530 Total Depth 2530

Size Main Hole 2 3/8 Rat Hole  Conv.  B.T.  Damaged  Yes  No Conv.  B.T.  Damaged  Yes  No

Top Packer Depth 2495 Ft. Size 6 3/4 Bottom Packer Depth \_\_\_\_\_ Ft. Size \_\_\_\_\_

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

RECORDERS Depth 2505 Ft. Clock No. 6800 Depth 2500 Ft. Clock No. 6846

Top Make Kuster Cap. 4200 No. 1558 Inside Outside Bottom Make Kuster Cap. 3150 No. 1514 Inside Outside

Below Straddle: Depth \_\_\_\_\_ Rec. No. \_\_\_\_\_ Clock No. \_\_\_\_\_ Inside Outside Depth \_\_\_\_\_ Ft. Rec. No. \_\_\_\_\_ Clock No. \_\_\_\_\_ Inside Outside

Time Set Packer 9:13 P M

Tool Open I.F.P. From 9:15 M. to 9:45 M. Hr. 30 Min. From (B) 10 9 P.S.I. To (C) 30 32 P.S.I.

Tool Closed I.C.I.P. From 9:45 M. to 10:30 M. Hr. 45 Min. (D) 849 854 P.S.I.

Tool Open F.F.P. From 10:30 M. to 11:00 M. Hr. 30 Min. From (E) 20 46 P.S.I. To (F) 30 33 P.S.I.

Tool Closed F.C.I.P. From 11:00 M. to 11:30 P.M. Hr. 30 Min. (G) 558 562 P.S.I.

Initial Hydrostatic Pressure (A) 1195 1201 P.S.I. Final Hydrostatic Pressure (H) 1195 1201 P.S.I. Maximum Temp 108

**INFORMATION**

BLOW break 30 minute

Did Well Flow  Yes  No Recovery Total Ft. 30 Drilling mud

Reversed Out  Yes  No Mud Type Chem Viscosity 39 Weight 8.7 Water Loss 32.0 cc. Chlorides 2000

EXTRA EQUIPMENT: Type Circ. Sub. yes Safety Joint \_\_\_\_\_ Jars: Size \_\_\_\_\_ In. Make \_\_\_\_\_ Ser. No. \_\_\_\_\_

Dual Packers NO Did Packers Hold? yes Did Tool Plug? no Where? \_\_\_\_\_

DRILLING CONTRACTOR White & Ellis #5 Length Drill Pipe 1563 ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 IF In.

Length Weight Pipe 690 ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4 1/2 IF In. Length Drill Collars 242 ft. I.D. Drill Collars 2.9 In.

Tool Joint Size 5 1/2 CA In. Length D.S.T. Tool 4.5 ft.

Remarks \_\_\_\_\_

**INVOICE SECTION**

Open Hole Test	\$ 380.00
Straddle Test	\$
Jars	\$
Selective Zone	\$
Safety Joint	\$
Misrun	\$
Evaluation	\$
Packer	\$
Circ. Sub.	\$
Total	\$ 380.00

**COMPANY TERMS**

Western Testing Co., Inc., shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature] Western Representative Norman Allen

Signature of Customer or his Authorized Representative D.A. Baker Operator's Time Sam McChuro Hrs.

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

Date 5-8-77 Test Ticket No. 21997  
 Recorder No. 1558 Capacity 4200 Location 2505 Ft.  
 Clock No. 6800 Elevation — Well Temperature 108 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1201</u> P.S.I.	Open Tool	<u>9:13 P</u> M	
B First Initial Flow Pressure	<u>9</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>32</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>854</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>46</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>33</u> P.S.I.			
G Final Closed-in Pressure	<u>562</u> P.S.I.			
H Final Hydrostatic Mud	<u>1201</u> P.S.I.			

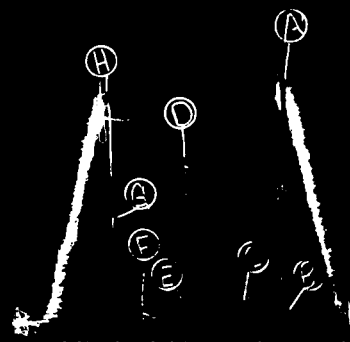
**PRESSURE BREAKDOWN**

<b>First Flow Pressure</b> Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	<b>Initial Shut-In</b> Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	<b>Second Flow Pressure</b> Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	<b>Final Shut-In</b> Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>9</u>	0	<u>32</u>	0	<u>46</u>	0	<u>33</u>
P 2 5	<u>9</u>	3	<u>42</u>	5	<u>29</u>	3	<u>33</u>
P 3 10	<u>19</u>	6	<u>71</u>	10	<u>29</u>	6	<u>38</u>
P 4 15	<u>23</u>	9	<u>147</u>	15	<u>31</u>	9	<u>52</u>
P 5 20	<u>46</u>	12	<u>265</u>	20	<u>36</u>	12	<u>78</u>
P 6 25	<u>75</u>	15	<u>410</u>	25	<u>42</u>	15	<u>125</u>
P 7 30	<u>32</u>	18	<u>519</u>	30	<u>33</u>	18	<u>202</u>
<del>P 8 35</del>		21	<u>612</u>	<del>35</del>		21	<u>307</u>
<del>P 9 40</del>		24	<u>681</u>	<del>40</del>		24	<u>429</u>
<del>P 10 45</del>		27	<u>729</u>	<del>45</del>		27	<u>533</u>
<del>P 11 50</del>		30	<u>768</u>	<del>50</del>		30	<u>562</u>
<del>P 12 55</del>		33	<u>798</u>	<del>55</del>		<del>33</del>	
<del>P 13 60</del>		36	<u>820</u>	<del>60</del>		<del>36</del>	
P 14		39	<u>839</u>	<del>65</del>		39	
P 15		42	<u>850</u>	<del>70</del>		42	
P 16		45	<u>854</u>	<del>75</del>		45	
P 17		<del>48</del>		<del>80</del>		48	
P 18		<del>51</del>		<del>85</del>		51	
P 19		<del>54</del>		<del>90</del>		54	
P 20		<del>57</del>				57	
		<del>60</del>				60	

TK+#21997

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1558



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

Company Camio Oil Company Lease & Well No. Hoskins #1

Elevation - Formation Cleveland Effective Pay - Ft. Ticket No. 21997

Date 5-8-77 Sec. 1 Twp. 31S Range 5E County Cowley State Kansas

Test Approved by D.R. Baker Western Representative Norman Allen

Formation Test No. 1 O.K.  Misrun - Interval Tested From 2500' to 2530' Total Depth 2530'

Size Main Hole 77/8 Rat Hole - Conv.  B.T. - Damaged - Yes  No Conv. - B.T. - Damaged - Yes - No

Top Packer Depth 2495 Ft. Size 6 3/4 Bottom Packer Depth - Ft. Size -

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

RECORDERS Depth 2505 Ft. Clock No. 6800 Depth 2500 Ft. Clock No. 6896

Top Make Kuster Cap. 4200 No. 1558 ~~Outside~~ <sup>Inside</sup> Bottom Make Kuster Cap. 3150 No. 1564 ~~Inside~~ <sup>Outside</sup>

Below Straddle: Depth - Rec. No. - Clock No. - ~~Outside~~ <sup>Inside</sup> Depth - Ft. Rec. No. - Clock No. - ~~Outside~~ <sup>Inside</sup>

Time Set Packer 9:13 P M

Tool Open I.F.P. From 9:15 P M. to 9:45 P M. - Hr. 30 Min. From (B) 9 P.S.I. To (C) 32 P.S.I.

Tool Closed I.C.I.P. From 9:45 P M. to 10:30 P M. - Hr. 45 Min (D) 854 P.S.I.

Tool Open F.F.P. From 10:30 P M. to 11:00 P M. - Hr. 30 Min. From (E) 46 P.S.I. To (F) 33 P.S.I.

Tool Closed F.C.I.P. From 11:00 P M. to 11:30 P M. - Hr. 30 Min. (G) 562 P.S.I.

Initial Hydrostatic Pressure (A) 1201 P.S.I. Final Hydrostatic Pressure (H) 1201 P.S.I. Maximum Temp. 108

**INFORMATION**

BLOW Weak blow for 30 minutes.

Did Well Flow - Yes  No  Recovery Total Ft. 30' drilling mud.

Reversed Out - Yes  No  Mud Type chem Viscosity 38 Weight 8.7 Water Loss 32.0 cc. Chlorides 2000 P.P.M.

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

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

DRILLING CONTRACTOR White & Ellis Length Drill Pipe? 1563 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 IF In.

Length Weight Pipe 690 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 4 1/2 IF In. Length Drill Collars 242 Ft. I.D. Drill Collars 2.4 In.

Tool Joint Size 5 1/2 OD In. Length D.S.T. Tool 45 Ft.

Remarks:

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

Date 5-8-77 Test Ticket No. 21997  
 Recorder No. 1558 Capacity 4200 Location 2505 Ft.  
 Clock No. 6800 Elevation - Well Temperature 108 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1201</u> P.S.I.	Open Tool	<u>9:13 P</u> M	
B First Initial Flow Pressure	<u>9</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>32</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>854</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>46</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>33</u> P.S.I.			
G Final Closed-in Pressure	<u>562</u> P.S.I.			
H Final Hydrostatic Mud	<u>1201</u> P.S.I.			

**PRESSURE BREAKDOWN**

**First Flow Pressure**  
 Breakdown: 6 Inc.  
 of 5 mins. and a  
 final inc. of 0 Min.

**Initial Shut-In**  
 Breakdown: 15 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

**Second Flow Pressure**  
 Breakdown: 6 Inc.  
 of 5 mins. and a  
 final inc. of 0 Min.

**Final Shut-In**  
 Breakdown: 10 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

Point	Press.	Point	Press.	Point	Press.	Point	Press.
Mins.		Minutes		Minutes		Minutes	
P 1	<u>9</u>	0	<u>32</u>	0	<u>46</u>	0	<u>33</u>
P 2	<u>9</u>	3	<u>42</u>	5	<u>29</u>	3	<u>33</u>
P 3	<u>19</u>	6	<u>71</u>	10	<u>29</u>	6	<u>38</u>
P 4	<u>23</u>	9	<u>147</u>	15	<u>31</u>	9	<u>52</u>
P 5	<u>46</u>	12	<u>265</u>	20	<u>36</u>	12	<u>78</u>
P 6	<u>75</u>	15	<u>410</u>	25	<u>42</u>	15	<u>125</u>
P 7	<u>32</u>	18	<u>519</u>	30	<u>33</u>	18	<u>202</u>
P 8		21	<u>612</u>			21	<u>307</u>
P 9		24	<u>681</u>			24	<u>429</u>
P10		27	<u>729</u>			27	<u>533</u>
P11		30	<u>768</u>			30	<u>562</u>
P12		33	<u>798</u>				
P13		36	<u>820</u>				
P14		39	<u>839</u>				
P15		42	<u>850</u>				
P16		45	<u>854</u>				
P17							
P18							
P19							
P20							