



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

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET 21437

Formation Mississippi Elevation 250 Eff. Pay Blushing Ft. _____

District Augusta Date 5-7-75 Customer Order No. _____

COMPANY NAME Camio Oil Co

ADDRESS 712 Brown Bldg, Wichita, Ks

LEASE AND WELL NO. Potter & Gray #1 COUNTY Cowley STATE Kansas Sec. 1 Twp. 30s Rge. 4E

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. 2 O.K. Misrun Interval Tested From 2834' to 2843' Total Depth 2843'
Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth _____ Ft. Size _____ Bottom Packer Depth 2834 Ft. Size 6 3/4
Straddle _____ Conv. B.T. Damaged Yes No Packer Depth _____ Ft. Size _____
Tool Size 4 1/2 00 Tool Joint Size 3 1/2 IF Anchor Length 9 Ft. Size 4 1/2 00 Surface Choke Size 3 1/4 In. Bottom Choke Size 3 1/4 In.

RECORDERS Depth 2836 Ft. Clock No. 8476 8476 Depth 2839 Ft. Clock No. 10167
Top Make Kuster Cap. 4250 No. 1051 Inside _____ Outside _____ Bottom Make Kuster Cap. 4200 No. 3354 Inside _____ Outside _____
Below Straddle: Depth _____ Rec. No. _____ Clock No. _____ Inside _____ Outside _____

Time Set Packer 3:00 P M
Tool Open I.F.P. From _____ M. to _____ M. _____ Hr. _____ Min. From (B) _____ P.S.I. To (C) _____ P.S.I.
Tool Closed I.C.I.P. From _____ M. to _____ M. _____ Hr. _____ Min. (D) _____ P.S.I.
Tool Open F.F.P. From _____ M. to _____ M. _____ Hr. _____ Min. From (E) _____ P.S.I. To (F) _____ P.S.I.
Tool Closed F.C.I.P. From _____ M. to _____ M. _____ Hr. _____ Min. (G) _____ P.S.I.
Initial Hydrostatic Pressure (A) 1436 P.S.I. Final Hydrostatic Pressure (H) 1424 P.S.I. Maximum Temp. _____

BLOW Missrun, Packer seat failure
Did Well Flow Yes No Recovery Total Ft. _____

Reversed Out Yes No Mud Type Chem Viscosity 50 Weight 9.6 Water Loss 9.5 cc. Chlorides 2400
EXTRA EQUIPMENT: Type Circ. Sub. Rin Safety Joint _____ Jars: Size _____ In. Make _____ Ser. No. _____
Dual Packers No Did Packers Hold? No Did Tool Plug? No Where? _____
DRILLING CONTRACTOR Strangled Oil Co. Length Drill Pipe 2429 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 390 ft. I.D. Drill Collars 2 1/4 In.
Tool Joint Size 4 1/2 00 In. Length D.S.T. Tool 24 ft.

Remarks Missrun Packer seat failure

RECEIVED
MAY 8 1975

INVOICE SECTION	
Open Hole Test	\$ _____
Straddle Test	\$ _____
Selective Zone	\$ _____
Safety Joint	\$ _____
Misrun	\$ <u>150.00</u>
Evaluation	\$ _____
Packer	\$ _____
Circ. Sub.	\$ _____
Total	\$ <u>150.00</u>

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 Gary Edwards Western Representative Norman Allen
Signature of Customer or his Authorized Representative _____ Operator's Time _____ Hrs.



Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Camio Oil Co. Lease & Well No. Potter & Gray #1
Elevation 1250 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 21437
Date 5-7-75 Sec. 1 Twp. 30S Range 4E County Cowley State Kansas
Test Approved by Gary Edwards Western Representative Norman Allen

Formation Test No. 2 O.K. - Misrun X Interval Tested From 2834' to 2843' Total Depth 2843'
Size Main Hole 7 7/8 Rat Hole - Conv. - B.T. - Damaged - Yes - No Conv. - B.T. X Damaged - Yes X No
Top Packer Depth - Ft. Size - Bottom Packer Depth 2834 Ft. Size 6 3/4
Straddle - Conv. - B.T. - Damaged - Yes No Packer Depth - Ft. Size -
Tool Size 4 1/2 OD Tool Joint Size 3 1/2 IF Anchor Length 9 Ft. Size 4 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 2836 Ft. Clock No. 8476 Depth 2839 Ft. Clock No. 10167
Top Make Kuster Cap. 4250 No. 1051 Inside Outside Bottom Make Kuster Cap. 4200 No. 3354 Inside Outside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 3:00P M
Tool Open I.F.P. From - M. to - M. - Hr. - Min. From (B) - P.S.I. To (C) - P.S.I.
Tool Closed I.C.I.P. From - M. to - M. - Hr. - Min (D) - P.S.I.
Tool Open F.F.P. From - M. to - M. - Hr. - Min. From (E) - P.S.I. To (F) - P.S.I.
Tool Closed F.C.I.P. From - M. to - M. - Hr. - Min. (G) - P.S.I.
Initial Hydrostatic Pressure (A) 1436 P.S.I. Final Hydrostatic Pressure (H) 1424 P.S.I. Maximum Temp. -

INFORMATION

BLOW Misrun, Packer seat failure.

Did Well Flow Yes X No - Recovery Total Ft. -

Reversed Out - Yes X No - Mud Type Chemical Viscosity 50 Weight 9.76 Water Loss 9.5 cc. Chlorides 2400 PPH

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

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

DRILLING CONTRACTOR Triangle Drilling Co. Length Drill Pipe? 2429 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 IF In.

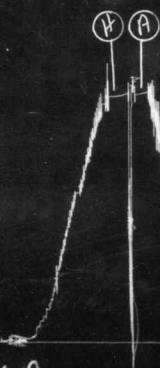
Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 390 Ft. I.D. Drill Collars 2 1/2 In.

Tool Joint Size 4H-90 In. Length D.S.T. Tool 24 Ft.

Remarks:
Misrun, packer seat failure.

TAT # 21437

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DST # 2 Pachu seat failure



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

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

21438
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Formation Mississippi Elevation 1250 KB Eff. Pay Ft.

District Augusta

Date 5-7-75

Customer Order No.

COMPANY NAME Camio Oil Co.

ADDRESS 712 Brown Bldg. Wichita, Kas. 67202

LEASE AND WELL NO. Potter & Gray #1 COUNTY Cowley STATE Ks Sec. 1 Twp. 30s Rge. 4E

Mail Inv. To Same No. Copies Requested 1

Co. Name Address

Mail Charts To Same No. Copies Requested 5

Address

Formation Test No. 3 O.K. Misrun Interval Tested From 2836' to 2843' Total Depth 2843'

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

Top Packer Depth 2831 Ft. Size 6 3/4 Bottom Packer Depth 2836 Ft. Size 6 3/4

Straddle Conv. B.T. Damaged Yes No Packer Depth Ft. Size

Tool Size 4200 Tool Joint Size 3 1/2 IR Anchor Length 7 Ft. Size 4200 Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 2823 Ft. Clock No. 8476 Depth 2839 Ft. Clock No. 10167

Top Make Ruster Cap. 4250 No. 1051 Inside Bottom Make Ruster Cap. 4200 No. 3354 Inside

Below Straddle: Depth Rec. No. Clock No. Inside Depth Ft. Rec. No. Clock No. Inside

Outside Outside

Time Set Packer 5:43 PM

Tool Open I.F.P. From 5:45 PM to 6:30 PM Hr. 45 Min. From (B) 10 4 P.S.I. To (C) 2018 P.S.I.

Tool Closed I.C.I.P. From 6:30 PM to 7:00 PM Hr. 30 Min. (D) 1015 1014 P.S.I.

Tool Open F.F.P. From 7:00 PM to 7:45 PM Hr. 45 Min. From (E) 50 49 P.S.I. To (F) 5054 P.S.I.

Tool Closed F.C.I.P. From 7:45 PM to 8:15 PM Hr. 30 Min. (G) 1005 1000 P.S.I.

Initial Hydrostatic Pressure (A) 1415 1424 P.S.I. Final Hydrostatic Pressure (H) 1390 1380 P.S.I. Maximum Temp. 106

BLOW Weak throughout **INFORMATION**

Did Well Flow Yes No Recovery Total Ft. 10' Free oil (38 Gravity corrected)

105' Oil cut mud (20% oil 80% mud)

Reversed Out Yes No Mud Type Chem Viscosity 50 Weight 9.6 Water Loss 9.5 cc. Chlorides 2400 PPM

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

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

DRILLING CONTRACTOR Orange & Day Co Length Drill Pipe 2422 ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 In.

Length Weight Pipe ft. I.D. Weight Pipe In. Tool Joint Size In. Length Drill Collars 390 ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/2 In. Length D.S.T. Tool 31 ft.

Remarks

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 May Edwards Western Representative Norman Alb

Signature of Customer or his Authorized Representative Operator's Time Hrs.

INVOICE SECTION	
Open Hole Test	\$ 320.00
Straddle Test	\$
Jars	\$
Selective Zone	\$
Safety Joint	\$
Misrun	\$
Evaluation	\$
Packer	\$
Circ. Sub.	\$
Total	\$ 320.00

RECEIVED
MAY 8 1975

WESTERN TESTING CO., INC.
Pressure Data

Date 5-7-75

Test Ticket No. 21438

Recorder No. 1051

Capacity 4250

Location 2823 Ft.

Clock No. 8476

Elevation 1250 FB

Well Temperature 106 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1424</u> P.S.I.	Open Tool	<u>5:43 P</u> M	
B First Initial Flow Pressure	<u>4</u> P.S.I.	First Flow Pressure	<u>45</u> Mins.	<u>42</u> Mins.
C First Final Flow Pressure	<u>18</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>1014</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>49</u> P.S.I.	Final Closed-in Pressure	<u>36</u> Mins.	<u>33</u> Mins.
F Second Final Flow Pressure	<u>54</u> P.S.I.			
G Final Closed-in Pressure	<u>1000</u> P.S.I.			
H Final Hydrostatic Mud	<u>1386</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 8 Inc.
of 5 mins. and a
final inc. of 2 Min.

Initial Shut-In
Breakdown: 9 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 11 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>4</u>	<u>0</u>	<u>18</u>	<u>0</u>	<u>49</u>	<u>0</u>	<u>54</u>
P 2 <u>5</u>	<u>4</u>	<u>3</u>	<u>243</u>	<u>5</u>	<u>49</u>	<u>3</u>	<u>114</u>
P 3 <u>10</u>	<u>4</u>	<u>6</u>	<u>738</u>	<u>10</u>	<u>49</u>	<u>6</u>	<u>303</u>
P 4 <u>15</u>	<u>6</u>	<u>9</u>	<u>857</u>	<u>15</u>	<u>49</u>	<u>9</u>	<u>623</u>
P 5 <u>20</u>	<u>9</u>	<u>12</u>	<u>912</u>	<u>20</u>	<u>49</u>	<u>12</u>	<u>798</u>
P 6 <u>25</u>	<u>11</u>	<u>15</u>	<u>946</u>	<u>25</u>	<u>49</u>	<u>15</u>	<u>873</u>
P 7 <u>30</u>	<u>14</u>	<u>18</u>	<u>972</u>	<u>30</u>	<u>49</u>	<u>18</u>	<u>911</u>
P 8 <u>35</u>	<u>15</u>	<u>21</u>	<u>983</u>	<u>35</u>	<u>51</u>	<u>21</u>	<u>939</u>
P 9 <u>40</u>	<u>17</u>	<u>24</u>	<u>1005</u>	<u>40</u>	<u>53</u>	<u>24</u>	<u>960</u>
P10 <u>45</u>	<u>18</u>	<u>27</u>	<u>1014</u>	<u>45</u>	<u>54</u>	<u>27</u>	<u>978</u>
P11		<u>30</u>				<u>30</u>	<u>989</u>
P12						<u>33</u>	<u>1000</u>
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							



Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company **Camio Oil Co.** Lease & Well No. **Potter & Gray #1**
Elevation **1250 Kelly Bush.** Formation **Mississippi** Effective Pay **-** Ft. Ticket No. **21436**
Date **5-7-75** Sec. **1** Twp. **30S** Range **4E** County **Cowley** State **Kana Kansas**
Test Approved by **Gary Edwards** Western Representative **Norman Allen**

Formation Test No. **3** O.K. Misrun Interval Tested From **2836'** to **2843'** Total Depth **2843'**
Size Main Hole **7 7/8** Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth **2831** Ft. Size **6 3/4** Bottom Packer Depth **2836** Ft. Size **6 3/4**
Straddle Conv. B.T. Damaged Yes No Packer Depth Ft. Size
Tool Size **4 1/2 OD** Tool Joint Size **3 1/2 IF** Anchor Length **7** Ft. Size **4 1/2 OD** Surface Choke Size **3/4** In. Bottom Choke Size **3/4** In.

RECORDERS Depth **2823** Ft. Clock No. **8476** Depth **2839** Ft. Clock No. **10167**
Top Make **Kuster** Cap. **4250** No. **1051** Inside Outside Bottom Make **Kuster** Cap. **4200** No. **3354** Inside Outside
Below Straddle: Depth Rec. No. Clock No. Inside Outside Depth Ft. Rec. No. Clock No. Inside Outside

Time Set Packer **5:43 P** M
Tool Open I.F.P. From **5:45P** M. to **6:30P** M. - Hr. **45** Min. From (B) **4** P.S.I. To (C) **18** P.S.I.
Tool Closed I.C.I.P. From **6:30P** M. to **7:00P** M. - Hr. **30** Min (D) **1014** P.S.I.
Tool Open F.F.P. From **7:00P** M. to **7:45P** M. - Hr. **45** Min. From (E) **49** P.S.I. To (F) **54** P.S.I.
Tool Closed F.C.I.P. From **7:45P** M. to **8:15P** M. - Hr. **30** Min. (G) **1000** P.S.I.
Initial Hydrostatic Pressure (A) **1424** P.S.I. Final Hydrostatic Pressure (H) **1386** P.S.I. Maximum Temp. **106**

INFORMATION

BLOW **Weak throughout test.**
Did Well Flow Yes No Recovery Total Ft. **10' free oil (38 gravity corrected), 105' oil cut mud (20% oil-80% mud).**

Reversed Out Yes No Mud Type **Chemical** Viscosity **50** Weight **9.6** Water Loss **9.5** cc. Chlorides **2400 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 **Triangle Drilling Co.** Length Drill Pipe? **2422** Ft. I.D. Drill Pipe **3.8** In. Tool Joint Size **4 1/2 IF** In.

Length Weight Pipe Ft. I.D. Weight Pipe In. Tool Joint Size In. Length Drill Collars **390** Ft. I.D. Drill Collars **2 1/2** In.

Tool Joint Size **4H90** In. Length D.S.T. Tool **31** Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 5-7-75 Test Ticket No. 21438
 Recorder No. 1051 Capacity 4250 Location 288 2823 Ft.
 Clock No. 8476 Elevation 1250 Kelly Bushing Well Temperature 106 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1424</u>	P.S.I.	<u>5:43 P</u>	<u>M</u>
B First Initial Flow Pressure	<u>4</u>	P.S.I.	<u>45</u>	<u>42</u> Mins.
C First Final Flow Pressure	<u>18</u>	P.S.I.	<u>30</u>	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>1014</u>	P.S.I.	<u>45</u>	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>49</u>	P.S.I.	<u>30</u>	<u>33</u> Mins.
F Second Final Flow Pressure	<u>54</u>	P.S.I.		
G Final Closed-in Pressure	<u>1000</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1386</u>	P.S.I.		

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	<u>8</u>		<u>9</u>		<u>9</u>		<u>11</u>	
	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>2</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>4</u>	<u>0</u>	<u>18</u>	<u>0</u>	<u>49</u>	<u>0</u>	<u>54</u>	
P 2	<u>4</u>	<u>3</u>	<u>243</u>	<u>5</u>	<u>49</u>	<u>3</u>	<u>114</u>	
P 3	<u>4</u>	<u>6</u>	<u>738</u>	<u>10</u>	<u>49</u>	<u>6</u>	<u>303</u>	
P 4	<u>6</u>	<u>9</u>	<u>857</u>	<u>15</u>	<u>49</u>	<u>9</u>	<u>623</u>	
P 5	<u>9</u>	<u>12</u>	<u>912</u>	<u>20</u>	<u>49</u>	<u>12</u>	<u>798</u>	
P 6	<u>11</u>	<u>15</u>	<u>946</u>	<u>25</u>	<u>49</u>	<u>15</u>	<u>873</u>	
P 7	<u>14</u>	<u>18</u>	<u>972</u>	<u>30</u>	<u>49</u>	<u>18</u>	<u>911</u>	
P 8	<u>15</u>	<u>21</u>	<u>983</u>	<u>35</u>	<u>51</u>	<u>21</u>	<u>939</u>	
P 9	<u>17</u>	<u>24</u>	<u>1005</u>	<u>40</u>	<u>53</u>	<u>24</u>	<u>960</u>	
P10	<u>18</u>	<u>27</u>	<u>1014</u>	<u>45</u>	<u>54</u>	<u>27</u>	<u>978</u>	
P11						<u>30</u>	<u>989</u>	
P12						<u>33</u>	<u>1000</u>	
P13								
P14								
P15								
P16								
P17								
P18								
P19								
P20								

TAT # 21438

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