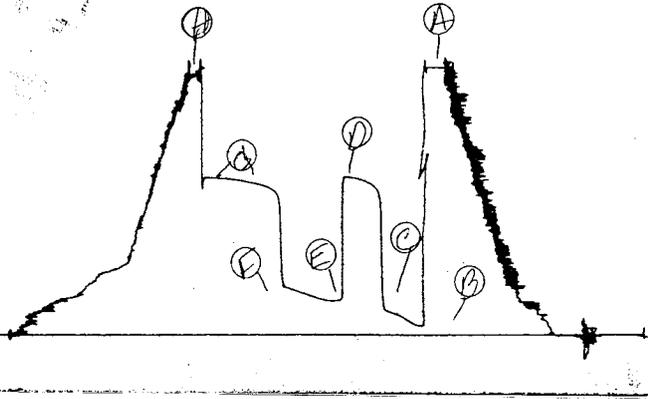


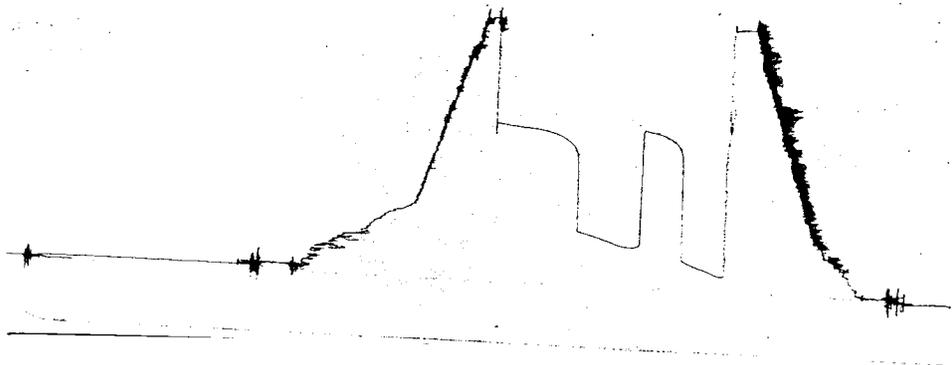
10970

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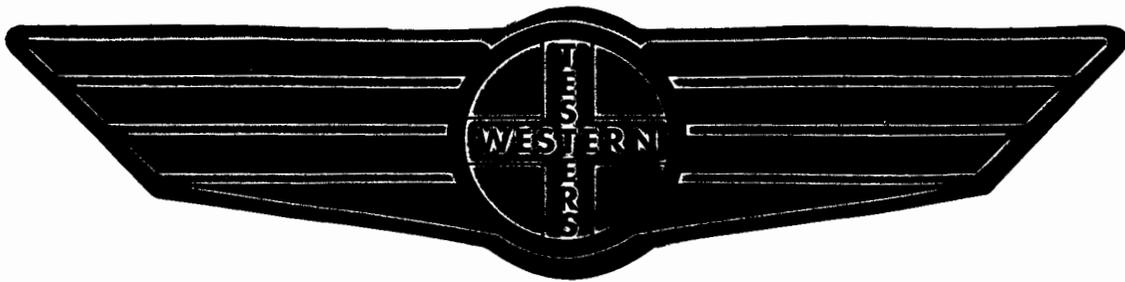


3354

TKK 1978  
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# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-80-688-7021

COMPANY CAMIO OIL COMPANY

LEASE & WELL NO.

#1 YOUNG

SFC. 30 TWP. 29S RGF. 8E

TEST NO. 1

DATE:

9/24/93

DST REPORT

GENERAL INFORMATION

DATE : 9/24/93 TICKET : 19788  
CUSTOMER : CAMIO OIL COMPANY LEASE : YOUNG  
WELL : #1 TEST: 1 GEOLOGIST:  
ELEVATION: 1575 KB FORMATION: MISSISSIPPI  
SECTION : 30 TOWNSHIP : 29S  
RANGE : 8E COUNTY: BUTLER STATE : KS  
GAUGE SN#: 10979 RANGE : 4100 CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 2850.00 ft TO: 2870.00 ft TVD: 2870.0 ft  
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL  
DEPTH OF RECORDERS: 2867.0 ft 2864.0 ft  
TEMPERATURE: 114.0

DRILL COLLAR LENGTH: 360.0 ft I.D.: 2.250 in  
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in  
DRILL PIPE LENGTH : 2470.0 ft I.D.: 2.650 in  
TEST TOOL LENGTH : 20.0 ft TOOL SIZE : 5.500 in  
ANCHOR LENGTH : 20.0 ft ANCHOR SIZE: 5.500 in  
SURFACE CHOKE SIZE : 0.750 in BOTTOM CHOKE SIZE: 0.750 in  
MAIN HOLE SIZE : 7.875 in TOOL JOINT SIZE : 4.5XH  
PACKER DEPTH: 2845.0 ft SIZE: 6.630 in  
PACKER DEPTH: 2850.0 ft SIZE: 6.630 in  
PACKER DEPTH: 0.0 ft SIZE: 0.000 in  
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : SUMMIT RIG 1  
MUD TYPE : CHEMICAL VISCOSITY : 45.00 cp  
WEIGHT : 9.500 ppg WATER LOSS: 10.800 cc  
CHLORIDES : 700 ppm  
JARS-MAKE :  
DID WELL FLOW?: NO SERIAL NUMBER:  
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK TO STRONG BLOW - BOTTOM  
OF BUCKET IN 7 MINUTES. FINAL FLOW PERIOD WEAK  
TO STRONG BLOW - BOTTOM OF BUCKET IN 7 MINUTES.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	1330 FT GAS ABOVE FLUID
335.0	100.0	0.0	0.0	0.0	FREE OIL
0.0	0.0	0.0	0.0	0.0	40 GRAVITY @ 60 DEGREES F
225.0	42.0	38.0	0.0	20.0	GAS & OIL CUT MUD

RATE INFORMATION

OIL VOLUME:	2.4928 STB	TOTAL FLOW TIME:	75.0000 min.
GAS VOLUME:	2.3608 SCF	AVERAGE OIL RATE:	52.1110 STB/D
MUD VOLUME:	0.2213 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	2.7141 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1420.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	50.00	125.00
INITIAL SHUT-IN	30.00		855.00
FINAL FLOW	45.00	175.00	260.00
FINAL SHUT-IN	60.00		855.00

FINAL HYDROSTATIC PRESSURE: 1410.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1447.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	54.00	140.00
INITIAL SHUT-IN	30.00		863.00
FINAL FLOW	45.00	199.00	268.00
FINAL SHUT-IN	60.00		861.00

FINAL HYDROSTATIC PRESSURE: 1422.00

**PRESSURE TRANSIENT REPORT**

**GENERAL INFORMATION**

DATE : 9/24/93	TICKET : 19788
CUSTOMER : CAMIO OIL COMPANY	LEASE : YOUNG
WELL : #1	TEST: 1
ELEVATION: 1575 KB	GEOLOGIST:
SECTION : 30	FORMATION: MISSISSIPPI
RANGE : 8E	TOWNSHIP : 29S
COUNTY: BUTLER	STATE : KS
Gauge SN#: 10979	RANGE : 4100
	CLOCK : 12

**INITIAL FLOW**

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	54.00	54.00
5.00	63.00	9.00
10.00	80.00	17.00
15.00	103.00	23.00
20.00	115.00	12.00
25.00	128.00	13.00
30.00	140.00	12.00

**INITIAL SHUT IN**

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	462.00	462.00	0.00
6.00	792.00	330.00	0.00
9.00	816.00	24.00	0.00
12.00	829.00	13.00	0.00
15.00	844.00	15.00	0.00
18.00	849.00	5.00	0.00
21.00	855.00	6.00	0.00
24.00	858.00	3.00	0.00
27.00	861.00	3.00	0.00
30.00	863.00	2.00	0.00

**FINAL FLOW**

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	199.00	199.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
5.00	190.00	-9.00
10.00	193.00	3.00
15.00	197.00	4.00
20.00	211.00	14.00
25.00	224.00	13.00
30.00	234.00	10.00
35.00	247.00	13.00
40.00	262.00	15.00
45.00	268.00	6.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	525.00	525.00	0.00
6.00	775.00	250.00	0.00
9.00	796.00	21.00	0.00
12.00	809.00	13.00	0.00
15.00	817.00	8.00	0.00
18.00	823.00	6.00	0.00
21.00	829.00	6.00	0.00
24.00	834.00	5.00	0.00
27.00	836.00	2.00	0.00
30.00	840.00	4.00	0.00
33.00	843.00	3.00	0.00
36.00	846.00	3.00	0.00
39.00	849.00	3.00	0.00
42.00	852.00	3.00	0.00
45.00	855.00	3.00	0.00
48.00	857.00	2.00	0.00
51.00	858.00	1.00	0.00
54.00	859.00	1.00	0.00
57.00	860.00	1.00	0.00
60.00	861.00	1.00	0.00



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 19788

P. O. BOX 1599 WICHITA, KANSAS 67201
PHONE (316) 262-5861

Elevation 1575 KB Formation Miss Eff. Pay Ft.

District Augusta Date 9-24-93 Customer Order No.

COMPANY NAME Camio Oil Company

ADDRESS 16096 East Harry White V 5 67230

LEASE AND WELL NO Young #1 COUNTY Butler STATE KS Sec 30 Twp 29 Rge 8E

Mail Invoice To Same Co. Name #1 Young Address No. Copies Requested 1

Mail Charts To Same Address No. Copies Requested 5

Formation Test No. DST #1 Interval Tested From 2850 ft. to 2870 ft. Total Depth 2870 ft.

Packer Depth 2845 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Packer Depth 2850 ft. Size 6 3/8 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 2867 ft. Recorder Number 10979 Cap 4100

Bottom Recorder Depth (Outside) 2864 ft. Recorder Number 3354 Cap 4200

Below Straddle Recorder Depth ft. Recorder Number Cap

Drilling Contractor Summit Rn 1 Drill Collar Length 360 I. D. 2.25 in.

Mud Type Chem Viscosity 45 Weight Pipe Length I. D. in.

Weight 9.5 Water Loss 10.8 cc. Drill Pipe Length 2470 I. D. 2.25 in.

Chlorides 700 P.P.M. Test Tool Length 20 ft. Tool Size 5/8 in.

Jars: Make Serial Number Anchor Length 20 ft. Size 5/16 in.

Did Well Flow? Reversed Out? Surface Choke Size 7/8 in. Bottom Choke Size 1/4 in.

Main Hole Size 7/8 in. Tool Joint Size 5/8 in.

Blow: Work to the string blow bottom of bucket in 7 min on (EFP) Work to string blow bottom of bucket in 7 min on (EFP)

Recovered 1330 ft. of Gas in Pipe

Recovered 335 ft. of free oil at 40 to gravity at 60

Recovered 225 ft. of OG oil at mud 42% oil 38% gas 20% mud

Recovered ft. of

Recovered ft. of

Chlorides P.P.M. Sample Jars used Remarks:

Time On Location 8:00 A.M. Time Pick Up Tool 11:00 A.M. Time Off Location A.M. P.M. P.M.

Time Set Packer(s) 12:30 A.M. Time Started Off Bottom 3:15 A.M. P.M. Maximum Temperature 114.0 F

Initial Hydrostatic Pressure (A) 1420 P.S.I.

Initial Flow Period Minutes 30 (B) 50 P.S.I. to (C) 125 P.S.I.

Initial Closed In Period Minutes 30 (D) 855 P.S.I.

Final Flow Period Minutes 45 (E) 175 P.S.I. to (F) 260 P.S.I.

Final Closed In Period Minutes 60 (G) 855 P.S.I.

Final Hydrostatic Pressure (H) 1410 P.S.I. 10979

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages 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, of 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 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Signature of Customer or his authorized representative

Western Representative Jeff A Patten

FIELD INVOICE

Table with 2 columns: Item Name and Price. Items include Open Hole Test, Misrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub, Mileage, Fluid Sampler, Extra Charts, Insurance, Telecopier, and TOTAL.

# WESTERN TESTING CO., INC.

## Pressure Data

Date \_\_\_\_\_

Test Ticket No. 17788

Recorder No. \_\_\_\_\_ Capacity \_\_\_\_\_ Location \_\_\_\_\_ Ft.

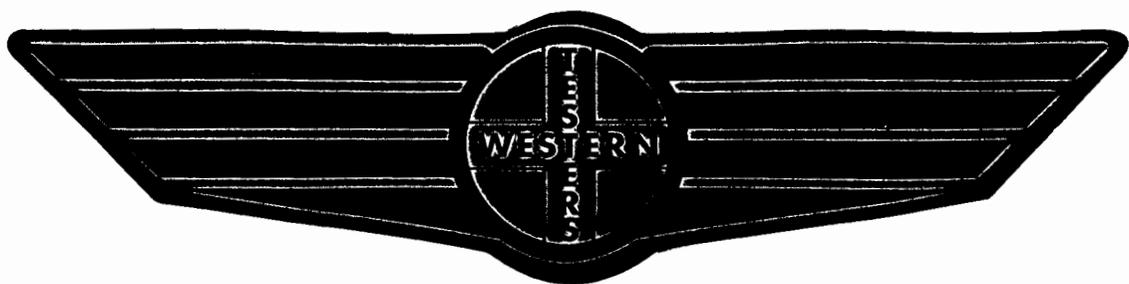
Clock No. \_\_\_\_\_ Elevation \_\_\_\_\_ Well Temperature \_\_\_\_\_ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1447	P.S.I.	30	M
B First Initial Flow Pressure	54	P.S.I.	30	30 Mins.
C First Final Flow Pressure	140	P.S.I.	30	30 Mins.
D Initial Closed-in Pressure	863	P.S.I.	45	45 Mins.
E Second Initial Flow Pressure	199	P.S.I.	60	60 Mins.
F Second Final Flow Pressure	268	P.S.I.		
G Final Closed-in Pressure	860	P.S.I.		
H Final Hydrostatic Mud	1422	P.S.I.		

### PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ 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 0	54	0	140	0	199	0	8268
P 2 5	63	3	462	5	190	3	525
P 3 10	80	6	792	10	<del>180</del> 193	6	775
P 4 15	103	9	816	15	197	9	796
P 5 20	115	12	829	20	211	12	809
P 6 25	128	15	844	25	224	15	817
P 7 30	140	18	849	30	234	18	823
P 8 35		21	855	35	247	21	829
P 9 40		24	858	40	262	24	834
P 10 45		27	861	45	268	27	836
P 11 50		30	863	50		30	840
P 12 55		33		55		33	843
P 13 60		36		60		36	846
P 14 65		39		65		39	849
P 15 70		42		70		42	852
P 16 75		45		75		45	853
P 17 80		48		80		48	857
P 18 85		51		85		51	858
P 19 90		54		90		54	859
P 20 95		57		95		57	860
100		60		100		60	861

# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-80-688-7021

COMPANY CAMIO OIL COMPANY T.EAST & W.F.L. NO. #1 YOUNG SFC. 30 TWP. 29S RGF. 8E T.FST NO. 1 DATE: 9/24/93

## DST REPORT

### GENERAL INFORMATION

DATE : 9/24/93	TICKET : 19788
CUSTOMER : CAMIO OIL COMPANY	LEASE : YOUNG
WELL : #1	TEST: 1
ELEVATION: 1575 KB	GEOLOGIST:
SECTION : 30	FORMATION: MISSISSIPPI
RANGE : 8E	TOWNSHIP : 29S
COUNTY: BUTLER	STATE : KS
Gauge SN#: 10979	RANGE : 4100
	CLOCK : 12

### WELL INFORMATION

PERFORATION INTERVAL FROM:	2850.00 ft	TO:	2870.00 ft	TVD:	2870.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	2867.0 ft		2864.0 ft		
TEMPERATURE:	114.0				
DRILL COLLAR LENGTH:	360.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	2470.0 ft	I.D.:		2.650 in	
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	20.0 ft	ANCHOR SIZE:		5.500 in	
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:		0.750 in	
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :		4.5XH	
PACKER DEPTH:	2845.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	2850.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	

### MUD INFORMATION

DRILLING CON. : SUMMIT RIG 1	
MUD TYPE : CHEMICAL	VISCOSITY : 45.00 cp
WEIGHT : 9.500 ppg	WATER LOSS: 10.800 cc
CHLORIDES : 700 ppm	
JARS-MAKE :	SERIAL NUMBER:
DID WELL FLOW?: NO	REVERSED OUT?: NO

### COMMENTS

Comment

INITIAL FLOW PERIOD WEAK TO STRONG BLOW - BOTTOM OF BUCKET IN 7 MINUTES. FINAL FLOW PERIOD WEAK TO STRONG BLOW - BOTTOM OF BUCKET IN 7 MINUTES.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	1330 FT GAS ABOVE FLUID
335.0	100.0	0.0	0.0	0.0	FREE OIL
0.0	0.0	0.0	0.0	0.0	40 GRAVITY @ 60 DEGREES F
225.0	42.0	38.0	0.0	20.0	GAS & OIL CUT MUD

RATE INFORMATION

OIL VOLUME:	2.4928 STB	TOTAL FLOW TIME:	75.0000 min.
GAS VOLUME:	2.3608 SCF	AVERAGE OIL RATE:	52.1110 STB/D
MUD VOLUME:	0.2213 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	2.7141 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1420.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	50.00	125.00
INITIAL SHUT-IN	30.00		855.00
FINAL FLOW	45.00	175.00	260.00
FINAL SHUT-IN	60.00		855.00

FINAL HYDROSTATIC PRESSURE: 1410.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1447.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	54.00	140.00
INITIAL SHUT-IN	30.00		863.00
FINAL FLOW	45.00	199.00	268.00
FINAL SHUT-IN	60.00		861.00

FINAL HYDROSTATIC PRESSURE: 1422.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 9/24/93	TICKET : 19788
CUSTOMER : CAMIO OIL COMPANY	LEASE : YOUNG
WELL : #1	TEST: 1
ELEVATION: 1575 KB	GEOLOGIST:
SECTION : 30	FORMATION: MISSISSIPPI
RANGE : 8E	TOWNSHIP : 29S
COUNTY: BUTLER	STATE : KS
RANGE : 4100	CLOCK : 12
GAUGE SN#: 10979	

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	54.00	54.00
5.00	63.00	9.00
10.00	80.00	17.00
15.00	103.00	23.00
20.00	115.00	12.00
25.00	128.00	13.00
30.00	140.00	12.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	462.00	462.00	0.00
6.00	792.00	330.00	0.00
9.00	816.00	24.00	0.00
12.00	829.00	13.00	0.00
15.00	844.00	15.00	0.00
18.00	849.00	5.00	0.00
21.00	855.00	6.00	0.00
24.00	858.00	3.00	0.00
27.00	861.00	3.00	0.00
30.00	863.00	2.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	199.00	199.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
5.00	190.00	-9.00
10.00	193.00	3.00
15.00	197.00	4.00
20.00	211.00	14.00
25.00	224.00	13.00
30.00	234.00	10.00
35.00	247.00	13.00
40.00	262.00	15.00
45.00	268.00	6.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	525.00	525.00	0.00
6.00	775.00	250.00	0.00
9.00	796.00	21.00	0.00
12.00	809.00	13.00	0.00
15.00	817.00	8.00	0.00
18.00	823.00	6.00	0.00
21.00	829.00	6.00	0.00
24.00	834.00	5.00	0.00
27.00	836.00	2.00	0.00
30.00	840.00	4.00	0.00
33.00	843.00	3.00	0.00
36.00	846.00	3.00	0.00
39.00	849.00	3.00	0.00
42.00	852.00	3.00	0.00
45.00	855.00	3.00	0.00
48.00	857.00	2.00	0.00
51.00	858.00	1.00	0.00
54.00	859.00	1.00	0.00
57.00	860.00	1.00	0.00
60.00	861.00	1.00	0.00



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET NO 19788

P. O. BOX 1599 WICHITA, KANSAS 67201
PHONE (316) 262-5861

Elevation 1575 MB Formation Miss Eff. Pay Ft.

District Augusta Date 9-24-93 Customer Order No.

COMPANY NAME Camio Oil Company

ADDRESS 16096 East Harry White Ks 67230

LEASE AND WELL NO Young #1 COUNTY Butler STATE Ks Sec 30 Twp 29 Rge 8E

Mail Invoice To Same Co. Name #1 Young Address No. Copies Requested 1

Mail Charts To Same Address No. Copies Requested 5

Formation Test No. NST #1 Interval Tested From 2850 ft. to 2870 ft. Total Depth 2870 ft.

Packer Depth 2845 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Packer Depth 2850 ft. Size 6 3/8 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 2867 ft. Recorder Number 10979 Cap 4100

Bottom Recorder Depth (Outside) 2864 ft. Recorder Number 3354 Cap 4200

Below Straddle Recorder Depth ft. Recorder Number Cap

Drilling Contractor Summit Rig 1 Drill Collar Length 360 I. D. 2.25 in.

Mud Type Chem Viscosity 45 Weight Pipe Length I. D. in.

Weight 9.5 Water Loss 10.8 cc Drill Pipe Length 2470 I. D. 2.25 in.

Chlorides 700 P.P.M. Test Tool Length 20 ft. Tool Size 5600 in.

Jars: Make Serial Number Anchor Length 20 ft. Size 5 1/2 in.

Did Well Flow? Reversed Out Surface Choke Size 7/8 in. Bottom Choke Size 1/2 in.

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

Blow: Weak to strong blow bottom of bucket in 7 min on (EFP) Weak to strong blow

bottom of bucket in 7 min on (EFP)

Recovered 1330 ft. of Gas in Pipe

Recovered 335 ft. of free oil at 40 to gravity at 60

Recovered 225 ft. of Gas Oil at mud 42% oil, 38% gas 20% mud

Recovered ft. of

Recovered ft. of

Chlorides P.P.M. Sample Jars used Remarks:

Time On Location 8:00 A.M. Time Pick Up Tool 11:00 A.M. Time Off Location A.M.

Time Set Packer(s) 12:30 P.M. Time Started Off Bottom 3:15 P.M. Maximum Temperature 114 F

Initial Hydrostatic Pressure (A) 1420 P.S.I.

Initial Flow Period Minutes 30 (B) 50 P.S.I. to (C) 125 P.S.I.

Initial Closed In Period Minutes 30 (D) 855 P.S.I.

Final Flow Period Minutes 45 (E) 175 P.S.I. to (F) 260 P.S.I.

Final Closed In Period Minutes 60 (G) 855 P.S.I.

Final Hydrostatic Pressure (H) 1410 P.S.I. 10979

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages 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, of 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 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Signature of Customer or his authorized representative

Western Representative

FIELD INVOICE

Table with 2 columns: Item Name and Amount. Items include Open Hole Test, Mistrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Mileage, Fluid Sampler, Extra Charts, Insurance, Telecopier, and TOTAL.

WESTERN TESTING CO., INC.

Pressure Data

Date \_\_\_\_\_

Test Ticket No. 1788

Recorder No. \_\_\_\_\_ Capacity \_\_\_\_\_ Location \_\_\_\_\_ Ft.

Clock No. \_\_\_\_\_ Elevation \_\_\_\_\_ Well Temperature \_\_\_\_\_ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1447</u>	P.S.I.	<u>30</u>	M
B First Initial Flow Pressure	<u>54</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
C First Final Flow Pressure	<u>140</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
D Initial Closed-in Pressure	<u>863</u>	P.S.I.	<u>45</u>	Mins. <u>45</u> Mins.
E Second Initial Flow Pressure	<u>199</u>	P.S.I.	<u>60</u>	Mins. <u>60</u> Mins.
F Second Final Flow Pressure	<u>268</u>	P.S.I.		
G Final Closed-in Pressure	<u>860</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1422</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ 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 0	<u>54</u>	0	<u>140</u>	0	<u>199</u>	0	<u>82268</u>
P 2 5	<u>63</u>	3	<u>462</u>	5	<u>190</u>	3	<u>525</u>
P 3 10	<u>80</u>	6	<u>792</u>	10	<u>193</u>	6	<u>775</u>
P 4 15	<u>103</u>	9	<u>816</u>	15	<u>197</u>	9	<u>796</u>
P 5 20	<u>115</u>	12	<u>829</u>	20	<u>211</u>	12	<u>809</u>
P 6 25	<u>128</u>	15	<u>844</u>	25	<u>224</u>	15	<u>817</u>
P 7 30	<u>140</u>	18	<u>849</u>	30	<u>234</u>	18	<u>823</u>
P 8 35		21	<u>855</u>	35	<u>247</u>	21	<u>829</u>
P 9 40		24	<u>858</u>	40	<u>262</u>	24	<u>834</u>
P10 45		27	<u>861</u>	45	<u>268</u>	27	<u>836</u>
P11 50		30	<u>863</u>	50		30	<u>840</u>
P12 55		33		55		33	<u>843</u>
P13 60		36		60		36	<u>846</u>
P14 65		39		65		39	<u>849</u>
P15 70		42		70		42	<u>852</u>
P16 75		45		75		45	<u>853</u>
P17 80		48		80		48	<u>857</u>
P18 85		51		85		51	<u>858</u>
P19 90		54		90		54	<u>859</u>
P20 95		57		95		57	<u>860</u>
100		60		100		60	<u>861</u>