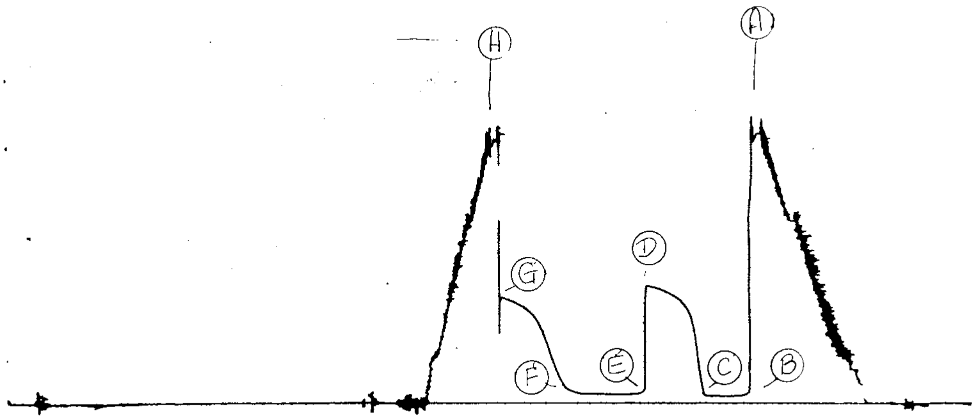
10979

DKt 20107

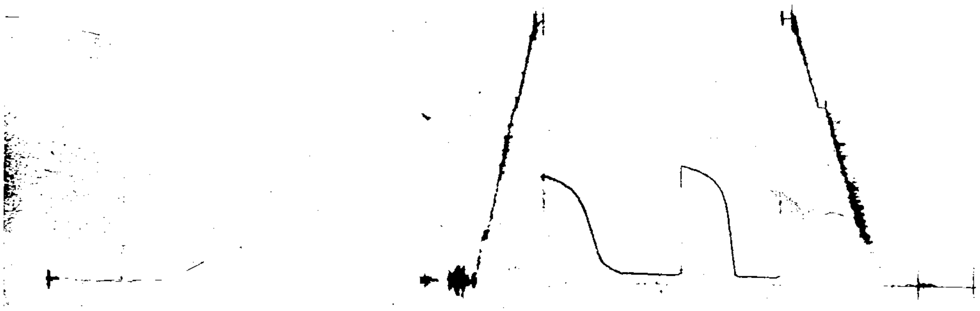
I



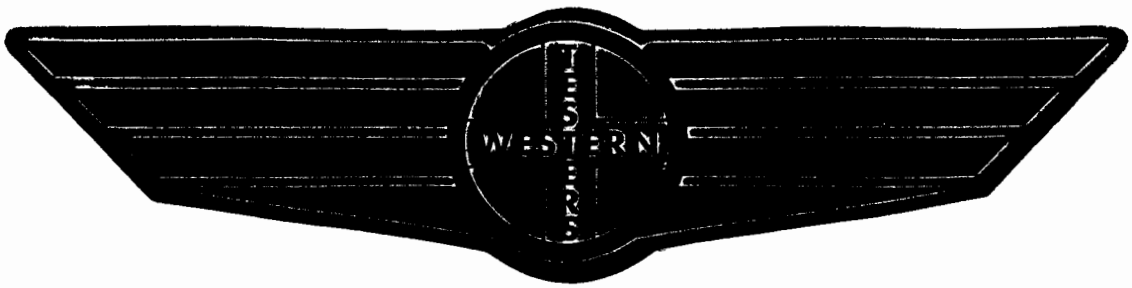
03354

DKt 20107

0



FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone 1-800-688-7021

COMPANY CAMIO OIL COMPANY

LEASE & WELL NO. #3 YOUNG

SEC. 30 TWP. 29S RGE. 8E TEST NO. 1

DATE 12/12/93

DST REPORT

GENERAL INFORMATION

DATE	: 12/12/93	TICKET	: 20207
CUSTOMER	: CAMIO OIL COMPANY	LEASE	: YOUNG
WELL	: #3 TEST: 1	GEOLOGIST	: JOE BAKER
ELEVATION	:	FORMATION	: MISSISSIPPI
SECTION	: 30	TOWNSHIP	: 29S
RANGE	: 8E COUNTY: BUTLER	STATE	: KS
GAUGE SN#	: 10979 RANGE : 4100	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 2860.00 ft TO: 2872.00 ft TVD: 2872.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 2866.0 ft 2869.0 ft
TEMPERATURE: 111.0

DRILL COLLAR LENGTH:	300.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	2540.0 ft	I.D.:	2.650 in
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	12.0 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 :	3.5XH
PACKER DEPTH:	2855.0 ft	SIZE:	6.630 in
PACKER DEPTH:	2860.0 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.	: SUMMITT #1		
MUD TYPE	: CHEMICAL	VISCOSITY :	42.00 cp
WEIGHT	: 9.500 ppg	WATER LOSS:	10.400 cc
CHLORIDES	: 1400 ppm		
JARS-MAKE	:	SERIAL NUMBER:	
DID WELL FLOW?	: NO	REVERSED OUT?:	NO

COMMENTS

Comment

WEAK BLOW 1" IN BUCKET ON INITIAL FLOW PERIOD.
WEAK BLOW 1" IN BUCKET ON FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
35.0	2.0	0.0	0.0	98.0	OIL CUT MUD
1.0	100.0	0.0	0.0	0.0	FREE OIL
0.0	0.0	0.0	0.0	0.0	40 GRAVITY CORRECTED AT
0.0	0.0	0.0	0.0	0.0	60 DEGREES F.

RATE INFORMATION

OIL VOLUME:	0.0084 STB		
GAS VOLUME:	0.0000 SCF	TOTAL FLOW TIME:	75.0000 min.
MUD VOLUME:	0.1687 STB	AVERAGE OIL RATE:	3.3990 STB/D
WATER VOLUME:	0.0000 STB	AVERAGE WATER RATE:	0.0000 STB/D
TOTAL FLUID :	0.1770 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1450.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	50.00	40.00
INITIAL SHUT-IN	45.00		645.00
FINAL FLOW	45.00	75.00	75.00
FINAL SHUT-IN	60.00		575.00

FINAL HYDROSTATIC PRESSURE: 1440.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1457.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	49.00	49.00
INITIAL SHUT-IN	48.00		646.00
FINAL FLOW	45.00	61.00	61.00
FINAL SHUT-IN	63.00		584.00

FINAL HYDROSTATIC PRESSURE: 1433.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 12/12/93	TICKET	: 20207
CUSTOMER	: CAMIO OIL COMPANY	LEASE	: YOUNG
WELL	: #3 TEST: 1	GEOLOGIST	: JOE BAKER
ELEVATION:		FORMATION	: MISSISSIPPI
SECTION	: 30	TOWNSHIP	: 29S
RANGE	: 8E COUNTY: BUTLER	STATE	: KS
GAUGE SN#:	10979 RANGE : 4100	CLOCK	: 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	49.00	49.00
5.00	49.00	0.00
10.00	49.00	0.00
15.00	49.00	0.00
20.00	49.00	0.00
25.00	49.00	0.00
30.00	49.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	53.00	53.00	11.00
6.00	136.00	83.00	6.00
9.00	259.00	123.00	4.33
12.00	417.00	158.00	3.50
15.00	481.00	64.00	3.00
18.00	525.00	44.00	2.67
21.00	552.00	27.00	2.43
24.00	569.00	17.00	2.25
27.00	585.00	16.00	2.11
30.00	598.00	13.00	2.00
33.00	612.00	14.00	1.91
36.00	620.00	8.00	1.83
39.00	627.00	7.00	1.77
42.00	631.00	4.00	1.71
45.00	639.00	8.00	1.67
48.00	646.00	7.00	1.63

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	61.00	61.00
5.00	61.00	0.00
10.00	61.00	0.00
15.00	61.00	0.00
20.00	61.00	0.00
25.00	61.00	0.00
30.00	61.00	0.00
35.00	61.00	0.00
40.00	61.00	0.00
45.00	61.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	63.00	63.00	31.00
6.00	67.00	4.00	16.00
9.00	77.00	10.00	11.00
12.00	86.00	9.00	8.50
15.00	114.00	28.00	7.00
18.00	149.00	35.00	6.00
21.00	206.00	57.00	5.29
24.00	258.00	52.00	4.75
27.00	327.00	69.00	4.33
30.00	381.00	54.00	4.00
33.00	427.00	46.00	3.73
36.00	462.00	35.00	3.50
39.00	492.00	30.00	3.31
42.00	510.00	18.00	3.14
45.00	530.00	20.00	3.00
48.00	538.00	8.00	2.88
51.00	554.00	16.00	2.76
54.00	561.00	7.00	2.67
57.00	566.00	5.00	2.58
60.00	577.00	11.00	2.50
63.00	584.00	7.00	2.43

LAST

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET Nº 20207

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

Elevation _____ Formation Miss Eff. Pay _____ Ft.

District Augusta Date 12-12-93 Customer Order No. _____

COMPANY NAME Camio Oil Company

ADDRESS PO Box 308 Augusta, Ks 67010

LEASE AND WELL NO. Young #3 COUNTY Butler STATE Ks Sec. 30 Twp. 29S Rge. 8E

Mail Invoice To Same #3 Young No. Copies Requested 1
Co. Name Address

Mail Charts To Same No. Copies Requested 5
Address

Formation Test No. DST #1 Interval Tested From 2860 ft. to 2872 ft. Total Depth 2872 ft.

Packer Depth	2855 ft.	Size 6 3/8 in.	Packer Depth	— ft.	Size — in.
Packer Depth	2860 ft.	Size 6 3/8 in.	Packer Depth	— ft.	Size — in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside)	2866 ft.	Recorder Number	10979	Cap. [illegible]00	
Bottom Recorder Depth (Outside)	2869 ft.	Recorder Number	3354	Cap. 4200	
Below Straddle Recorder Depth	— ft.	Recorder Number	—	Cap. —	

Drilling Contractor	Summit Rig 1	Drill Collar Length	300	I. D. 2.25	in.
Mud Type	Chem Viscosity 42	Weight Pipe Length	—	I. D.	in.
Weight 9.5	Water Loss 10.4 cc.	Drill Pipe Length	2540	I. D. 2.65	in.
Chlorides 1400	P.P.M.	Test Tool Length	20 ft.	Tool Size 5 1/2 OD	in.
Jars: Make —	Serial Number —	Anchor Length	12 ft.	Size 5 1/2 OD	in.
Did Well Flow? —	Reversed Out —	Surface Choke Size	3/4 in.	Bottom Choke Size 3/4	in.
		Main Hole Size	7 7/8 in.	Tool Joint Size	3 1/2 XH in.

Blow: Weak blow 1" into into bucket (IFP) Weak blow 1" into bucket on (FFP)

Recovered 35 ft. of Oil Cut mud 2% Oil 98% mud
Recovered 1 ft. of free Oil 40% gravity at 60°
Recovered ____ ft. of _____
Recovered ____ ft. of _____
Recovered ____ ft. of _____
Chlorides _____ P.P.M. Sample Jars used 2 Remarks: _____

Time On Location	8:00 A.M. P.M.	Time Pick Up Tool	1:00 A.M. P.M.	Time Off Location	A.M. P.M.
Time Set Packer(s)	2:00 A.M. P.M.	Time Started Off Bottom	5:00 A.M. P.M.	Maximum Temperature	111°

Initial Hydrostatic Pressure		(A)	1450	P.S.I.	
Initial Flow Period	Minutes 30	(B)	50	P.S.I. to (C) 40	P.S.I.
Initial Closed In Period	Minutes 45	(D)	645	P.S.I.	
Final Flow Period	Minutes 45	(E)	75	P.S.I. to (F) 75	P.S.I.
Final Closed In Period	Minutes 60	(G)	575	P.S.I.	
Final Hydrostatic Pressure		(H)	1440	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

Open Hole Test	$ _____
Misrun	$ _____
Straddle Test	$ _____
Jars	$ _____
Selective Zone	$ _____
Safety Joint	$ _____
Standby	$ _____
Evaluation	$ _____
Extra Packer	$ _____
Circ. Sub.	$ _____
Mileage	$ _____
Fluid Sampler	$ _____
Extra Charts	$ _____
Insurance	$ _____
Telecopier	$ _____
TOTAL	$ _____

WESTERN TESTING CO., INC.

Pressure Data

DATE 12-12-93 Test Ticket No. 20207

Recorder No. 10979 Capacity Location Pc

Clock No. Elevation Well Temperature °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1457 P.S.I.	Open Tool	M	
B First Initial Flow Pressure	49 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	49 P.S.I.	Initial Closed-in Pressure	45 Mins.	48 Mins.
D Initial Closed-in Pressure	646 P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E Second Initial Flow Pressure	61 P.S.I.	Final Closed-in Pressure	60 Mins.	63 Mins.
F Second Final Flow Pressure	61 P.S.I.			
G Final Closed-in Pressure	584 P.S.I.			
H Final Hydrostatic Mud	1433 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: Inc. of 5 mins. and a final inc. of Min.		Breakdown: Inc. of 3 mins. and a final inc. of Min.		Breakdown: Inc. of 5 mins. and a final inc. of Min.		Breakdown: Inc. of 3 mins. and a final inc. of Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
B P 1 0		C 0	49	E 0	61	F 0	61
P 2 5		3	53	5		3	63
P 3 10		6	136	10		6	67
P 4 15		9	259	15		9	77
P 5 20		12	417	20		12	86
P 6 25		15	481	25		15	114
C P 7 30	49	18	525	30		18	149
P 8 35		21	552	35		21	206
P 9 40		24	569	40		24	258
P10 45		27	585	F 45	61	27	327
P11 50		30	598	50		30	381
P12 55		33	612	55		33	427
P13 60		36	620	60		36	462
P14 65		39	627	65		39	492
P15 70		42	631	70		42	510
P16 75		D 45	639	75		45	530
P17 80		D 48	646	80		48	538
P18 85		51		85		51	554
P19 90		54		90		54	561
P20 95		57		95		57	566
100		60		100		60	

WTC-2