



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N^o 12109

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

Elevation N/A Formation MISS Eff. Pay Ft.

District GT. Bend Date 8-7-87 Customer Order No.
COMPANY NAME JAY BOY OIL CO. INC.
ADDRESS FOURTH FINANCIAL CENTER, 100 N BROADWAY, SUITE 535 WICHITA, KS. 67202
LEASE AND WELL NO. Koehn #1 COUNTY McPherson STATE KS Sec. 35 Twp. 20 Rge. 2
Mail Invoice To Co. Name Koehn #1 Address SAME No. Copies Requested 1
Mail Charts To Address SAME No. Copies Requested 1

Formation Test No. 1 Interval Tested From 2977 ft. to 3000 ft. Total Depth 3000 ft.
Packer Depth 2972 ft. Size 6 5/8 in. Packer Depth ft. Size in.
Packer Depth 2977 ft. Size 6 5/8 in. Packer Depth ft. Size in.
Depth of Selective Zone Set
Top Recorder Depth (Inside) 2991 ft. Recorder Number 10270 Cap. 4150
Bottom Recorder Depth (Outside) 2994 ft. Recorder Number 13268 Cap. 4225
Below Straddle Recorder Depth ft. Recorder Number Cap.
Drilling Contractor Allen rig 1 Drill Collar Length I. D. in.
Mud Type Chemical Viscosity 41 Weight Pipe Length I. D. in.
Weight 9.2 Water Loss 8 cc. Drill Pipe Length 2957 I. D. 3.8 in.
Chlorides 2500 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.
Jars: Make Serial Number Anchor Length 23 ft. Size 5 1/2 in.
Did Well Flow? GAS 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 X 11 in.

Blow IF - STRONG BLOW GAS TO SURFACE in 12 min
FF - GAS TO SURFACE
Recovered 45 ft. of GAS CUT MUD w/show of oil
Recovered 120 ft. of SLIGHTLY OILY & GAS CUT MUD 4% OIL 6% GAS 12% WATER 78% MUD
Recovered 120 ft. of SLIGHTLY OILY CUT MUDDY WATER 15% MUD 1% OIL 84% WATER
Recovered ft. of
Recovered ft. of
Chlorides 45000 P.P.M. Sample Jars used 4 Remarks: 6 Oil 1 SW

Time On Location 6:45 A.M. Time Pick Up Tool 7:00 A.M. Time Off Location 2:00 A.M.
Time Set Packer(s) 8:05 A.M. Time Started Off Bottom 11:50 A.M. Maximum Temperature 105°
Initial Hydrostatic Pressure 1402 P.S.I.
Initial Flow Period 30 Minutes (B) 52 P.S.I. to (C) 52 P.S.I.
Initial Closed In Period 60 Minutes (D) 634 P.S.I.
Final Flow Period 45 Minutes (E) 93 P.S.I. to (F) 125 P.S.I.
Final Closed In Period 90 Minutes (G) 676 P.S.I.
Final Hydrostatic Pressure 1402 P.S.I.

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 Steve Davis
Signature of Customer or his authorized representative

Western Representative Ray Schwager

Thank you

FIELD INVOICE

Open Hole Test 450-
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
Telecopier \$
TOTAL 450-



GAS FLOW REPORT

No 5585

Date 8-7-87 Ticket 12109 Company Jay Boy Oil, Inc
 Well Name and No. Koehn #1 Dst No. 1 Interval Tested 2977-3000
 County McPherson State Ks Sec. 35 Twp. 20^s Rg. 2^w

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
PRE FLOW <u>900 To surface in 12 min.</u>					
<u>15</u>	<u>7</u>	<u>3/4</u>			<u>37,400 CFPD</u>
<u>20</u>	<u>5</u>	<u>3/4</u>			<u>31,600 CFPD</u>
<u>25</u>	<u>5</u>	<u>3/4</u>			<u>31,600 CFPD</u>
<u>30</u>	<u>5</u>	<u>3/4</u>			<u>31,600 CFPD</u>

SECOND FLOW

<u>5</u>	<u>20</u>	<u>1/2"</u>			<u>28,000 CFPD</u>
<u>15</u>	<u>14</u>	<u>1/2"</u>			<u>23,700 CFPD</u>
<u>25</u>	<u>8</u>	<u>1/2"</u>			<u>17,200 CFPD</u>
<u>35</u>	<u>5</u>	<u>1/2"</u>			<u>14,100 CFPD</u>
<u>45</u>	<u>3</u>	<u>1/2"</u>			<u>10,900 CFPD</u>

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced _____

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1 1/2% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME _____

Authorized by _____

WESTERN TESTING CO., INC.

Pressure Data

Date 8-7-87 Test Ticket No. 12109
 Recorder No. 10270 Capacity 4150 Location _____ Ft.
 Clock No. _____ Elevation _____ Well Temperature 105 °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1418</u> P.S.I.		<u>8:05</u>	M
B First Initial Flow Pressure	<u>55</u> P.S.I.	First Flow Pressure	<u>30</u> Mins	<u>30</u> Mins.
C First Final Flow Pressure	<u>55</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>632</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>94</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins	<u>90</u> Mins.
F Second Final Flow Pressure	<u>119</u> P.S.I.			
G Final Closed-in Pressure	<u>680</u> P.S.I.			
H Final Hydrostatic Mud	<u>1418</u> 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	<u>55</u>	0	<u>55</u>	0	<u>94</u>	0	<u>119</u>
P 2 5		3	<u>425</u>	5	<u>5</u>	3	<u>331</u>
P 3 10		6	<u>501</u>	10	<u>94</u>	6	<u>449</u>
P 4 15		9	<u>548</u>	15	<u>94</u>	9	<u>490</u>
P 5 20		12	<u>572</u>	20	<u>94</u>	12	<u>517</u>
P 6 25		15	<u>588</u>	25	<u>100</u>	15	<u>534</u>
P 7 30	<u>55</u>	18	<u>598</u>	30	<u>105</u>	18	<u>563</u>
P 8 35		21	<u>607</u>	35	<u>109</u>	21	<u>592</u>
P 9 40		24	<u>611</u>	40	<u>115</u>	24	<u>611</u>
P10 45		27	<u>615</u>	45	<u>119</u>	27	<u>623</u>
P11 50		30	<u>620</u>	50		30	<u>633</u>
P12 55		33	<u>623</u>	55		33	<u>640</u>
P13 60		36	<u>627</u>	60		36	<u>645</u>
P14 65		39	<u>630</u>	65		39	<u>649</u>
P15 70		42	<u>632</u>	70		42	<u>656</u>
P16 75		45	<u>633</u>	75		45	<u>658</u>
P17 80		48		80		48	<u>662</u>
P18 85		51		85		51	<u>665</u>
P19 90		54		90		54	<u>666</u>
P20 95		57		95		57	<u>667</u>
100		60	<u>632</u>	100		60	<u>668</u>

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticker No. 12109

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Open Tool	Time Given	Time Computed
A. Initial Hydrostatic Mud	P.S.I.		M	
B. First Initial Flow Pressure	P.S.I.	First Flow Pressure	Mins.	Mins.
C. First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	Mins.	Mins.
D. Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	Mins.	Mins.
E. Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	Mins.	Mins.
F. Second Final Flow Pressure	P.S.I.			
G. Final Closed-in Pressure	P.S.I.			
H. Final Hydrostatic Mud	P.S.I.			

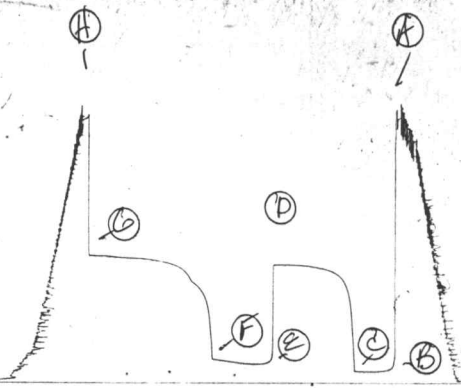
PRESSURE BREAKDOWN

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 1 105		63		105		63	6609
P 2 110		66		110		66	670
P 3 115		69		115		69	671
P 4 120		72		120		72	672
P 5 125		75		125		75	674
P 6 130		78		130		78	676
P 7 135		81		135		81	677
P 8 140		84		140		84	678
P 9 145		87		145		87	679
P10 150		90		150		90	680
P11 155		93		155		93	
P12 160		96		160		96	
P13 165		99		165		99	
P14 170		102		170		102	
P15 175		105		175		105	
P16 180		108		180		108	
P17 185		111		185		111	
P18 190		114		190		114	
P19 195		117		195		117	
P20 200		120		200		120	

9

Site # 12109

I

OST #1
10270

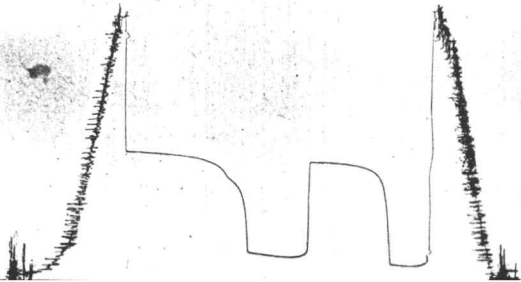
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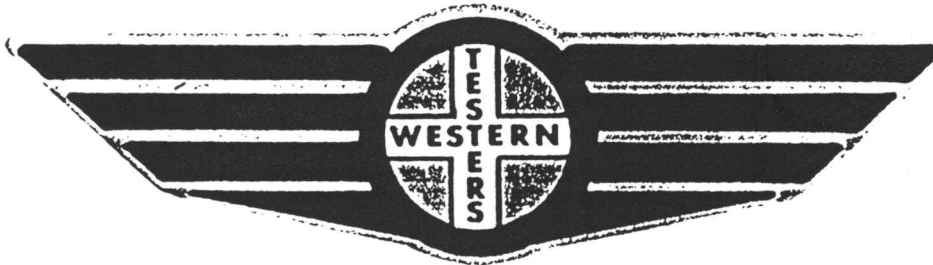
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30' It 430' 12109' 634, 60'

OST #1



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY JAY BOY OIL COMPANY, INC. LEASE & WELL NO. KOEHN #1 SEC. 35 TWP. 20S RGE. 2W TEST NO. 1 DATE 8/7/87

WESTERN TESTING CO. INC..
SUBSURFACE PRESSURE SURVEY

DATE	:	8-7-87	TICKET	:	12109	
CUSTOMER	:	JAY BOY OIL COMPANY INC.	LEASE	:	KOEHN	
WELL	:	#1	TEST:	:	1	
ELEVATION	:	NA	GEOLOGIST	:	S DAVIS	
SECTION	:	35	FORMATION	:	MISSISSIPPI	
RANGE	:	2W	TOWNSHIP	:	20S	
GAUGE SN#	:	10270	STATE	:	KANSAS	
		COUNTY :	McPHERSON	CLOCK	:	12
		RANGE :	4150			

INTERVAL FROM	:	2977	TO	:	3000	TOTAL DEPTH	:	3000
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	2972	SIZE	:	6.63			
PACKER DEPTH	:	2977	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	ALLEN RIG #1			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	41
WEIGHT	:	9.2	WATER LOSS (CC)	:	8
CHLORIDES (PPM)	:	2500			
JARS-MAKE	:	-	SERIAL NUMBER	:	-
DID WELL FLOW ?	:	GAS	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	2957	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	23	FT	ANCHOR SIZE	:	5.50
SURFACE CHOKE SIZE	:	.75	IN	BOTTOM CHOKE SIZE	:	.75
MAIN HOLE SIZE	:	7.875	IN	TOOL JOINT SIZE	:	4.5 XH

BLOW COMMENT #1 : INITIAL FLOW-STRONG BLOW-GAS TO SURFACE IN 12
MINUTES-SEE ATTACHED FLOW CHART.

BLOW COMMENT #2 : FINAL FLOW-GAS TO SURFACE.

BLOW COMMENT #3 :

BLOW COMMENT #4 :

RECOVERED : 45 FT OF: GAS CUT MUD / WITH SHOW OF OIL
 RECOVERED : 120 FT OF: SLIGHTLY OIL & GAS CUT MUD
 4% OIL-6% GAS-12% WATER-78% MUD
 RECOVERED : 120 FT OF: SLIGHTLY OIL CUT MUDDY WATER
 15% MUD-1% OIL-84% WATER

CHLORIDES: 45000 PPM

Total Barrels Fluid = 4.00
 Total Fluid Prod Rate = 76.75 BFPD
 Indicated Oil Rate = 1.62 BOPD
 Indicated Wtr Rate = 30.97 BWPD

REMARK 1 :
 REMARK 2 :
 REMARK 3 :
 REMARK 4 :

SET PACKER(S) : 8:05 PM

TIME STARTED OFF BOTTOM : 11:50 PM

WELL TEMPERATURE : 105

INITIAL HYDROSTATIC PRESSURE

(A) 1418

INITIAL FLOW PERIOD MIN: 30

(B) 55 PSI TO (C) : 55

INITIAL CLOSED IN PERIOD MIN: 60

(D) 632

FINAL FLOW PERIOD MIN: 45

(E) 94 PSI TO (F) : 119

FINAL CLOSED IN PERIOD MIN: 90

(G) 680

FINAL HYDROSTATIC PRESSURE

(H) 1418

GAS FLOW REPORT

Date : 8-7-87 Ticket # : 12109
 Customer : JAY BOY OIL COMPANY INC. Lease : KOEHN
 Well : #1 Test : 1 Geologist : S. DAVIS
 Elevation (KB) : NA Formation : MISSISSIPPI
 Section : 35 Township : 20S
 Range : 2W County : McPHERSON State : KANSAS
 Gauge SN # : 10270 Range : 4150 Clock : 12

TIME GAUGE (MIN)	TESTER TYPE	ORFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
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PRE FLOW

15	MERLA	3/4"	7 " OF WTR	37400 CFPD
20			5	31600 CFPD
25			5	31600 CFPD
30			5	31600 CFPD

SECOND FLOW

5	MERLA	1/2"	20" OF WTR	28000 CFPD
15			14	23700 CFPD
25			8	17200 CFPD
35			5	14100 CFPD
45			3	10900 CFPD

Gas Bottle SN # : 29
 Date Bottle Filled : 8-7-87
 Date to be Invoiced :

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : JAY BOY OIL COMPANY INC
RIG : McPHERSON-KANSAS
FIELD : KOEHN
WELL : #1
DATE : 8-7-87
GAUGE NO : 10270

OPERATIONAL COMMENTS

COMPANY : JAY-BOY OIL COMPANY INC
WELL : #1
GAUGE # : 10270
DATE : 7/ 8/87

FIELD : KOEHN
JOB # : 12109
DEPTH : 3000
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	8: 5: 0	0.000	55.000	105.00	0.000
2	8: 9:59	0.083	55.000	105.00	0.000
3	8:15: 0	0.167	55.000	105.00	0.000
4	8:20: 0	0.250	55.000	105.00	0.000
5	8:24:59	0.333	55.000	105.00	0.000
6	8:30: 0	0.417	55.000	105.00	0.000
7	8:35: 0	0.500	55.000	105.00	0.000
8	8:38: 0	0.550	405.000	105.00	350.000
9	8:41: 0	0.600	501.000	105.00	96.000
10	8:44: 0	0.650	548.000	105.00	47.000
11	8:47: 0	0.700	572.000	105.00	24.000
12	8:50: 0	0.750	588.000	105.00	16.000
13	8:53: 0	0.800	598.000	105.00	10.000
14	8:56: 0	0.850	607.000	105.00	9.000
15	8:59: 0	0.900	611.000	105.00	4.000
16	9: 2: 0	0.950	615.000	105.00	4.000
17	9: 5: 0	1.000	620.000	105.00	5.000
18	9: 8: 0	1.050	623.000	105.00	3.000
19	9:11: 0	1.100	627.000	105.00	4.000
20	9:14: 0	1.150	630.000	105.00	3.000
21	9:17: 0	1.200	632.000	105.00	2.000
22	9:20: 0	1.250	632.000	105.00	0.000
23	9:23: 0	1.300	632.000	105.00	0.000
24	9:26: 0	1.350	632.000	105.00	0.000
25	9:29: 0	1.400	632.000	105.00	0.000
26	9:32: 0	1.450	632.000	105.00	0.000
27	9:35: 0	1.500	632.000	105.00	0.000
28	9:36: 0	1.517	94.000	105.00	-538.000
29	9:39:59	1.583	94.000	105.00	0.000
30	9:45: 0	1.667	94.000	105.00	0.000
31	9:50: 0	1.750	94.000	105.00	0.000
32	9:54:59	1.833	96.000	105.00	2.000
33	10: 0: 0	1.917	100.000	105.00	4.000
34	10: 5: 0	2.000	105.000	105.00	5.000
35	10: 9:59	2.083	109.000	105.00	4.000
36	10:15: 0	2.167	115.000	105.00	6.000
37	10:20: 0	2.250	119.000	105.00	4.000
38	10:23: 0	2.300	371.000	105.00	252.000
39	10:26: 0	2.350	449.000	105.00	78.000
40	10:29: 0	2.400	490.000	105.00	41.000
41	10:32: 0	2.450	517.000	105.00	27.000
42	10:35: 0	2.500	534.000	105.00	17.000
43	10:38: 0	2.550	563.000	105.00	29.000
44	10:41: 0	2.600	592.000	105.00	29.000
45	10:44: 0	2.650	611.000	105.00	19.000
46	10:47: 0	2.700	623.000	105.00	12.000
47	10:50: 0	2.750	633.000	105.00	10.000
48	10:53: 0	2.800	640.000	105.00	7.000
49	10:56: 0	2.850	645.000	105.00	5.000
50	10:59: 0	2.900	649.000	105.00	4.000
51	11: 2: 0	2.950	656.000	105.00	7.000
52	11: 5: 0	3.000	658.000	105.00	2.000

COMPANY : JAY- BOY OIL COMPANY INC
WELL : #1
GAUGE # : 10270
DATE : 7/ 8/87

FIELD : KOEHN
JOB # : 12109
DEPTH : 3000
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	11: 8: 0	3.050	662.000	105.00	4.000
54	11:11: 0	3.100	665.000	105.00	3.000
55	11:14: 0	3.150	666.000	105.00	1.000
56	11:17: 0	3.200	667.000	105.00	1.000
57	11:20: 0	3.250	668.000	105.00	1.000
58	11:23: 0	3.300	669.000	105.00	1.000
59	11:26: 0	3.350	670.000	105.00	1.000
60	11:29: 0	3.400	671.000	105.00	1.000
61	11:32: 0	3.450	672.000	105.00	1.000
62	11:35: 0	3.500	674.000	105.00	2.000
63	11:38: 0	3.550	676.000	105.00	2.000
64	11:41: 0	3.600	677.000	105.00	1.000
65	11:44: 0	3.650	678.000	105.00	1.000
66	11:47: 0	3.700	678.000	105.00	0.000
67	11:50: 0	3.750	680.000	105.00	2.000

WESTERN TESTING CO. INC.



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET NO. 12110

P. O. BOX 1599 WICHITA, KANSAS 67201

Elevation _____ Formation Viola Eff. Pay _____ Ft.

COMPANY NAME

ADDRESS Fourth Financial Center, 100 N. Broadway, Suite 535 Wichita, Ks. 67202

LEASE AND WELL NO. Koehn #1 COUNTY McPherson STATE Ks. Sec. 35 Twp. 20 Rge. 2

Mail Invoice To Koehn #1 Co. Name Same Address _____ No. Copies Requested 5

Mail Charts To Same Address _____ No. Copies Requested 5

Formation Test No. 2 Interval Tested From 3413 ft. to 3420 ft. Total Depth 3420 ft.

Packer Depth 3408 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 3413 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3400 ft. Recorder Number 10270 Cap. 4150

Bottom Recorder Depth (Outside) 3415 ft. Recorder Number 13268 Cap. 4225

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

Drilling Contractor Allen rig Drill Collar Length _____ I. D. _____ in.

Mud Type Chemical Viscosity 48 Weight Pipe Length _____ I. D. _____ in.

Weight 9.2 Water Loss 8 cc. Drill Pipe Length 3389 I. D. 3.8 in.

Chlorides 2500 P.P.M. Test Tool Length 24 ft. Tool Size 5 1/2 in.

Jars: Make _____ Serial Number _____ Anchor Length 7 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 X H in.

Blow: IF - Weak building to fair blow 1/4" to 3" blow

FF - Weak blow throughout 1/4" to 1" blow

Recovered 180 ft. of Slightly muddy water 6% mud 94% water

Recovered _____ ft. of w/ some oil in grindout

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Chlorides 17,000 P.P.M. Sample Jars used 2 Remarks: _____

Time On Location 6:40 A.M. Time Pick Up Tool 7:00 A.M. Time Off Location 1:30 A.M.

Time Set Packer(s) 7:50 A.M. Time Started Off Bottom 11:50 A.M. Maximum Temperature 110°

Initial Hydrostatic Pressure _____ (A) 1630 P.S.I.

Initial Flow Period _____ Minutes 45 (B) 10 P.S.I. to (C) 31 P.S.I.

Initial Closed In Period _____ Minutes 60 (D) 728 P.S.I.

Final Flow Period _____ Minutes 45 (E) 62 P.S.I. to (F) 72 P.S.I.

Final Closed In Period _____ Minutes 90 (G) 728 P.S.I.

Final Hydrostatic Pressure _____ (H) 1609 P.S.I.

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 Steve Davis

Signature of Customer or his authorized representative

Western Representative Ray Schwager

Thank you

FIELD INVOICE

Open Hole Test 450
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
Telecopier \$
TOTAL 450

WESTERN TESTING CO., INC.

Pressure Data

Date 8-9-87 Test Ticket No. 12110
 Recorder No. 10270 Capacity 4150 Location _____ Ft.
 Clock No. _____ Elevation _____ Well Temperature 110 °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>11623</u> P.S.I.		<u>7:50 A</u>	<u>M</u>
B First Initial Flow Pressure	<u>9</u> P.S.I.	First Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
C First Final Flow Pressure	<u>34</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>731</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>68</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>81</u> P.S.I.			
G Final Closed-in Pressure	<u>729</u> P.S.I.			
H Final Hydrostatic Mud	<u>11622</u> 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	<u>9</u>	0	<u>34</u>	0	<u>68</u>	0	<u>81</u>
P 2 5	<u>10</u>	3	<u>665</u>	5	<u>7</u>	3	<u>669</u>
P 3 10	<u>13</u>	6	<u>688</u>	10	<u>7</u>	6	<u>695</u>
P 4 15	<u>14</u>	9	<u>702</u>	15	<u>7</u>	9	<u>704</u>
P 5 20	<u>17</u>	12	<u>711</u>	20	<u>68</u>	12	<u>711</u>
P 6 25	<u>21</u>	15	<u>717</u>	25	<u>69</u>	15	<u>716</u>
P 7 30	<u>25</u>	18	<u>721</u>	30	<u>72</u>	18	<u>720</u>
P 8 35	<u>28</u>	21	<u>724</u>	35	<u>75</u>	21	<u>724</u>
P 9 40	<u>30</u>	24	<u>726</u>	40	<u>78</u>	24	<u>725</u>
P10 45	<u>34</u>	27	<u>727</u>	45	<u>81</u>	27	<u>723</u>
P11 50		30	<u>728</u>	50		30	<u>724</u>
P12 55		33	<u>729</u>	55		33	<u>725</u>
P13 60		36	<u>730</u>	60		36	<u>726</u>
P14 65		39	<u>731</u>	65		39	<u>727</u>
P15 70		42	<u>7</u>	70		42	<u>728</u>
P16 75		45	<u>731</u>	75		45	<u>729</u>
P17 80		48	<u>7</u>	80		48	<u>7</u>
P18 85		51	<u>7</u>	85		51	<u>7</u>
P19 90		54	<u>7</u>	90		54	<u>7</u>
P20 95		57	<u>7</u>	95		57	<u>7</u>
100		60	<u>731</u>	100		60	<u>729</u>

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. 1210

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	P.S.I.		M	
B First Initial Flow Pressure	P.S.I.	First Flow Pressure	Mins.	Mins.
C First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	Mins.	Mins.
D Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	Mins.	Mins.
E Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	Mins.	Mins.
F Second Final Flow Pressure	P.S.I.			
G Final Closed-in Pressure	P.S.I.			
H Final Hydrostatic Mud	P.S.I.			

PRESSURE BREAKDOWN

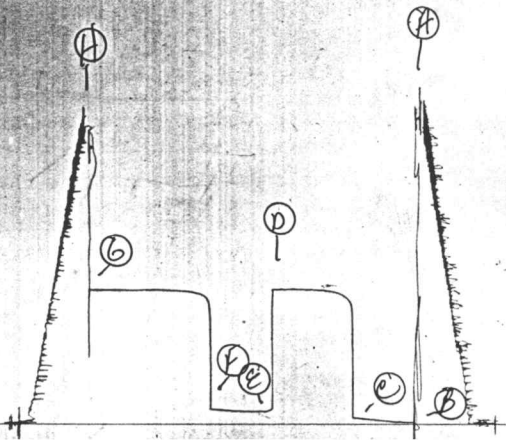
First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final 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 1 105		63		105		63	229
P 2 110		66		110		66	
P 3 115		69		115		69	
P 4 120		72		120		72	
P 5 125		75		125		75	229
P 6 130		78		130		78	
P 7 135		81		135		81	
P 8 140		84		140		84	
P 9 145		87		145		87	
P10 150		90		150		90	229
P11 155		93		155		93	
P12 160		96		160		96	
P13 165		99		165		99	
P14 170		102		170		102	
P15 175		105		175		105	
P16 180		108		180		108	
P17 185		111		185		111	
P18 190		114		190		114	
P19 195		117		195		117	
P20 200		120		200		120	

St # 12110

I

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05774

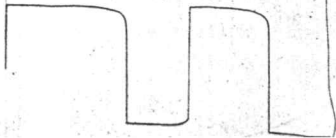


Kit # 12110

10

9

0574



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY JAY BOY OIL COMPANY, INC. LEASE & WELL NO. KOEHN #1 SEC. 35 TWP. 20S RGE. 2W TEST NO. 2 DATE 8/9/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	8-9-87	TICKET	:	12110	
CUSTOMER	:	JAY BOY OIL COMPANY INC.	LEASE	:	KOEHN	
WELL	:	#1	TEST:	:	2	
ELEVATION	:	NA	GEOLOGIST	:	S. DAVIS	
SECTION	:	35	FORMATION	:	VIOLA	
RANGE	:	2W	TOWNSHIP	:	20S	
GAUGE SN#	:	10270	STATE	:	KANSAS	
		COUNTY :	McPHERSON			
		RANGE :	4150	CLOCK	:	12

INTERVAL FROM	:	3413	TO	:	3420	TOTAL DEPTH	:	3420
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3408	SIZE	:	6.63			
PACKER DEPTH	:	3413	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	ALLEN RIG #1			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	48
WEIGHT	:	9.2	WATER LOSS (CC)	:	8
CHLORIDES (PPM)	:	2500			
JARS-MAKE	:	-	SERIAL NUMBER	:	
DID WELL FLOW ?	:		REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3389	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	24	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	7	FT	ANCHOR SIZE	:	5.50
SURFACE CHOKE SIZE	:	.75	IN	BOTTOM CHOKE SIZE	:	.75
MAIN HOLE SIZE	:	7.875	IN	TOOL JOINT SIZE	:	4.5 XH

BLOW COMMENT #1 : INITIAL FLOW-WEAK 1/4" BLOW BUILDING TO A FAIR
3" BLOW.

BLOW COMMENT #2 : FINAL FLOW-WEAK 1/4" TO 1" BLOW THROUGHOUT.

BLOW COMMENT #3 :

BLOW COMMENT #4 :

RECOVERED : 180 FT OF: SLIGHTLY MUDDY WATER
6% MUD-94% WTR/ WITH SCUM OF OIL IN GRINDOUT
CHLORIDES: 17000 PPM

Total Barrels Fluid = 2.52
Total Fluid Prod Rate = 40.40 BFPD
Indicated Wtr Rate = 38.15 BWPD

REMARK 1 :
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 7:50 AM

TIME STARTED OFF BOTTOM : 11:50 AM

WELL TEMPERATURE : 110

INITIAL HYDROSTATIC PRESSURE

(A) 1663

INITIAL FLOW PERIOD MIN: 45

(B) 9 PSI TO (C) : 34

INITIAL CLOSED IN PERIOD MIN: 60

(D) 731

FINAL FLOW PERIOD MIN: 45

(E) 68 PSI TO (F) : 81

FINAL CLOSED IN PERIOD MIN: 90

(G) 729

FINAL HYDROSTATIC PRESSURE

(H) 1622

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : JAY BOY OIL COMPANY INC.
RIG : McPHERSON-KANSAS
FIELD : KOEHN
WELL : #1
DATE : 8-9-87
GAUGE NO : 10270

OPERATIONAL COMMENTS

COMPANY : JAY BOY OIL COMPANY INC.
WELL : #1
GAUGE # : 10270
DATE : 9/ 8/87

FIELD : KOEHN
JOB # : 12110
DEPTH : 3420
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	7:50: 0	0.000	9.000	110.00	0.000
2	7:54:59	0.083	10.000	110.00	1.000
3	8: 0: 0	0.167	13.000	110.00	3.000
4	8: 5: 0	0.250	14.000	110.00	1.000
5	8: 9:59	0.333	17.000	110.00	3.000
6	8:15: 0	0.417	21.000	110.00	4.000
7	8:20: 0	0.500	25.000	110.00	4.000
8	8:24:59	0.583	28.000	110.00	3.000
9	8:30: 0	0.667	30.000	110.00	2.000
10	8:35: 0	0.750	34.000	110.00	4.000
11	8:38: 0	0.800	665.000	110.00	631.000
12	8:41: 0	0.850	688.000	110.00	23.000
13	8:44: 0	0.900	702.000	110.00	14.000
14	8:47: 0	0.950	711.000	110.00	9.000
15	8:50: 0	1.000	721.000	110.00	10.000
16	8:53: 0	1.050	724.000	110.00	3.000
17	8:56: 0	1.100	726.000	110.00	2.000
18	8:59: 0	1.150	727.000	110.00	1.000
19	9: 2: 0	1.200	728.000	110.00	1.000
20	9: 5: 0	1.250	729.000	110.00	1.000
21	9: 8: 0	1.300	730.000	110.00	1.000
22	9:11: 0	1.350	731.000	110.00	1.000
23	9:14: 0	1.400	731.000	110.00	0.000
24	9:17: 0	1.450	731.000	110.00	0.000
25	9:20: 0	1.500	731.000	110.00	0.000
26	9:23: 0	1.550	731.000	110.00	0.000
27	9:26: 0	1.600	731.000	110.00	0.000
28	9:29: 0	1.650	731.000	110.00	0.000
29	9:32: 0	1.700	731.000	110.00	0.000
30	9:35: 0	1.750	731.000	110.00	0.000
31	9:36: 0	1.767	68.000	110.00	-663.000
32	9:39:59	1.833	68.000	110.00	0.000
33	9:45: 0	1.917	68.000	110.00	0.000
34	9:50: 0	2.000	68.000	110.00	0.000
35	9:54:59	2.083	68.000	110.00	0.000
36	10: 0: 0	2.167	69.000	110.00	1.000
37	10: 5: 0	2.250	72.000	110.00	3.000
38	10: 9:59	2.333	75.000	110.00	3.000
39	10:15: 0	2.417	78.000	110.00	3.000
40	10:20: 0	2.500	81.000	110.00	3.000
41	10:23: 0	2.550	669.000	110.00	588.000
42	10:26: 0	2.600	695.000	110.00	26.000
43	10:29: 0	2.650	704.000	110.00	9.000
44	10:32: 0	2.700	711.000	110.00	7.000
45	10:35: 0	2.750	716.000	110.00	5.000
46	10:38: 0	2.800	720.000	110.00	4.000
47	10:41: 0	2.850	721.000	110.00	1.000
48	10:44: 0	2.900	722.000	110.00	1.000
49	10:47: 0	2.950	723.000	110.00	1.000
50	10:50: 0	3.000	724.000	110.00	1.000
51	10:53: 0	3.050	725.000	110.00	1.000
52	10:56: 0	3.100	726.000	110.00	1.000

COMPANY : JAY BOY OIL COMPANY INC..

WELL : #1

GAUGE # : 10270

DATE : 9/ 8/87

FIELD : KOEHN,

JOB # : 12110

DEPTH : 3420

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	10:59: 0	3.150	727.000	110.00	1.000
54	11: 2: 0	3.200	728.000	110.00	1.000
55	11: 5: 0	3.250	729.000	110.00	1.000
56	11: 8: 0	3.300	729.000	110.00	0.000
57	11:11: 0	3.350	729.000	110.00	0.000
58	11:14: 0	3.400	729.000	110.00	0.000
59	11:17: 0	3.450	729.000	110.00	0.000
60	11:20: 0	3.500	729.000	110.00	0.000
61	11:23: 0	3.550	729.000	110.00	0.000
62	11:26: 0	3.600	729.000	110.00	0.000
63	11:29: 0	3.650	729.000	110.00	0.000
64	11:32: 0	3.700	729.000	110.00	0.000
65	11:35: 0	3.750	729.000	110.00	0.000
66	11:38: 0	3.800	729.000	110.00	0.000
67	11:41: 0	3.850	729.000	110.00	0.000
68	11:44: 0	3.900	729.000	110.00	0.000
69	11:47: 0	3.950	729.000	110.00	0.000
70	11:50: 0	4.000	729.000	110.00	0.000

WESTERN TESTING CO. INC.



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET N^o 12111

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

Elevation _____ Formation Simpson Eff. Pay _____ Ft.

District GT Bend Date 8-9-87 Customer Order No. _____

COMPANY NAME JAY BOY OIL, Inc.

ADDRESS FOURTH FINANCIAL CENTER, 100 N. BROADWAY, SUITE 535 WICHITA, KS. 67202

LEASE AND WELL NO. Koehn #1 COUNTY McPherson STATE KS. Sec. 35 Twp. 20 Rge. 2

Mail Invoice To Koehn #1 Co. Name Same Address Same No. Copies Requested 8

Mail Charts To Same Address Same No. Copies Requested 8

Formation Test No. 3 Interval Tested From 3446 ft. to 3464 ft. Total Depth 3464 ft.

Packer Depth 3441 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.

Packer Depth 3446 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3456 ft. Recorder Number 10270 Cap. 4150

Bottom Recorder Depth (Outside) 3459 ft. Recorder Number 13268 Cap. 4225

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

Drilling Contractor Allen rig Drill Collar Length — I. D. — in.

Mud Type Chemical Viscosity 48 Weight Pipe Length — I. D. — in.

Weight 9.3 Water Loss 8 cc. Drill Pipe Length 3426 I. D. 3.8 in.

Chlorides 2400 P.P.M. Test Tool Length 20 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 X H in.

Blow: IF - Very Weak Blow Throughout 1/8" Blow
FF - NO Blow

Recovered 10 ft. of Mud

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Chlorides _____ P.P.M. Sample Jars used 1 Remarks: _____

Time On Location 9:00 A.M. Time Pick Up Tool 9:30 A.M. Time Off Location 2:00 A.M.

Time Set Packer(s) 10:30 A.M. Time Started Off Bottom 12:30 A.M. Maximum Temperature 113°

Initial Hydrostatic Pressure _____ (A) 1682 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 20 P.S.I. to (C) 20 P.S.I.

Initial Closed In Period _____ Minutes 30 (D) 800 P.S.I.

Final Flow Period _____ Minutes 30 (E) 31 P.S.I. to (F) 31 P.S.I.

Final Closed In Period _____ Minutes 30 (G) 780 P.S.I.

Final Hydrostatic Pressure _____ (H) 1682 P.S.I.

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 Steve Davis
Signature of Customer or his authorized representative

Western Representative Ray Schwagly Thank you

FIELD INVOICE

Open Hole Test 450
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
Telecopier \$
TOTAL 450

WESTERN TESTING CO., INC.

Pressure Data

Date 8-5-87 Test Ticket No. 12111
 Recorder No. 10270 Capacity 4150 Location _____ Ft. _____
 Clock No. _____ Elevation _____ Well Temperature 112 °F

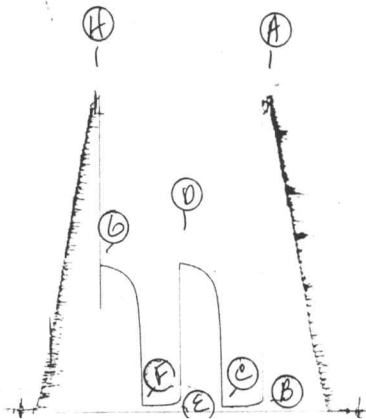
Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>11093</u> P.S.I.		<u>10:30</u> M	
B First Initial Flow Pressure	<u>24</u> P.S.I.	First Flow Pressure	<u>30</u> Mins	<u>30</u> Mins.
C First Final Flow Pressure	<u>24</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>797</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>30</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins	<u>30</u> Mins.
F Second Final Flow Pressure	<u>30</u> P.S.I.			
G Final Closed-in Pressure	<u>785</u> P.S.I.			
H Final Hydrostatic Mud	<u>1489</u> 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	<u>24</u>	0	<u>24</u>	0	<u>30</u>	0	<u>30</u>
P 2 5		3	<u>594</u>	5		3	<u>574</u>
P 3 10		6	<u>690</u>	10		6	<u>679</u>
P 4 15		9	<u>722</u>	15		9	<u>712</u>
P 5 20		12	<u>746</u>	20		12	<u>736</u>
P 6 25		15	<u>762</u>	25		15	<u>751</u>
P 7 30	<u>24</u>	18	<u>773</u>	30	<u>30</u>	18	<u>760</u>
P 8 35		21	<u>781</u>	35		21	<u>769</u>
P 9 40		24	<u>787</u>	40		24	<u>777</u>
P 10 45		27	<u>792</u>	45		27	<u>781</u>
P 11 50		30	<u>797</u>	50		30	<u>785</u>
P 12 55		33		55		33	
P 13 60		36		60		36	
P 14 65		39		65		39	
P 15 70		42		70		42	
P 16 75		45		75		45	
P 17 80		48		80		48	
P 18 85		51		85		51	
P 19 90		54		90		54	
P 20 95		57		95		57	
		60		100		60	

JK # 12111
I

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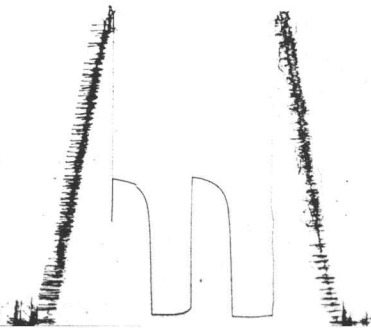
OST # 3
12272

JK # 12111

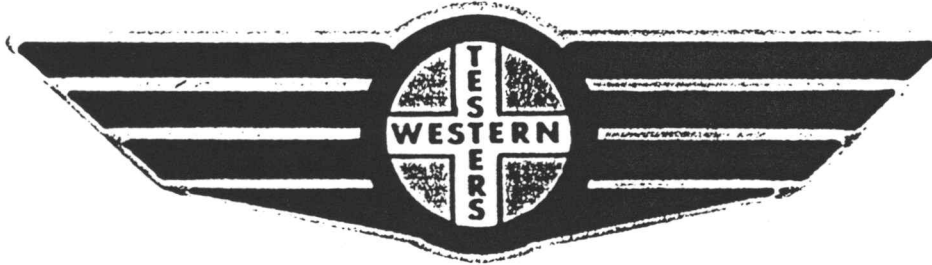
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OST #3



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY

JAY BOY OIL COMPANY, INC.

LEASE & WELL NO.

KOEHN #1

SEC. 35

TWP. 20S

RGE. 2W

TEST NO. 3

DATE 8/9/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	8-9-87	TICKET	:	12111
CUSTOMER	:	JAY BOY OIL COMPANY INC.	LEASE	:	KOEHN
WELL	:	#1	TEST:	:	3
ELEVATION	:	NA	GEOLOGIST	:	S. DAVIS
SECTION	:	35	FORMATION	:	SIMPSON
RANGE	:	2W	COUNTY	:	McPHERSON
Gauge SN#	:	10270	RANGE	:	4150
			STATE	:	KANSAS
			CLOCK	:	12

INTERVAL FROM	:	3446	TO	:	3464	TOTAL DEPTH	:	3464
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3441	SIZE	:	6.63			
PACKER DEPTH	:	3446	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	ALLEN RIG #1			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	48
WEIGHT	:	9.3	WATER LOSS (CC)	:	8
CHLORIDES (PPM)	:	2400			
JARS-MAKE	:	-	SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3426	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	18	FT	ANCHOR SIZE	:	5.50
SURFACE CHOKE SIZE	:	.75	IN	BOTTOM CHOKE SIZE	:	.75
MAIN HOLE SIZE	:	7.875	IN	TOOL JOINT SIZE	:	4.5 XH

BLOW COMMENT #1 : INITIAL FLOW-VERY WEAK 1/8" BLOW THROUGHOUT.
BLOW COMMENT #2 : FINAL FLOW-NO BLOW.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 10 FT OF: MUD

Total Barrels Fluid = 0.14
Total Fluid Prod Rate = 3.37 BFPD
Indicated Wtr Rate = 0.34 BWPD

REMARK 1 :
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 10:30 PM

TIME STARTED OFF BOTTOM : 12:30 AM

WELL TEMPERATURE : 113

INITIAL HYDROSTATIC PRESSURE

(A) 1693

INITIAL FLOW PERIOD MIN: 30

(B) 24 PSI TO (C) : 24

INITIAL CLOSED IN PERIOD MIN: 30

(D) 597

FINAL FLOW PERIOD MIN: 30

(E) 30 PSI TO (F) : 30

FINAL CLOSED IN PERIOD MIN: 30

(G) 785

FINAL HYDROSTATIC PRESSURE

(H) 1689

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : JAY BOY OIL COMPANY INC.
RIG : McPHERSON-KANSAS
FIELD : KOEHN
WELL : #1
DATE : 8-9-87
GAUGE NO : 10270

OPERATIONAL COMMENTS

COMPANY : JAY BOY OIL COMPANY INC.,
WELL : #1
GAUGE # : 10270
DATE : 9/ 8/87

FIELD : KOEHN
JOB # : 12111
DEPTH : 3464
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	10:30: 0	0.000	24.000	113.00	0.000
2	10:34:59	0.083	24.000	113.00	0.000
3	10:40: 0	0.167	24.000	113.00	0.000
4	10:45: 0	0.250	24.000	113.00	0.000
5	10:49:59	0.333	24.000	113.00	0.000
6	10:55: 0	0.417	24.000	113.00	0.000
7	11: 0: 0	0.500	24.000	113.00	0.000
8	11: 3: 0	0.550	594.000	113.00	570.000
9	11: 6: 0	0.600	690.000	113.00	96.000
10	11: 9: 0	0.650	722.000	113.00	32.000
11	11:12: 0	0.700	746.000	113.00	24.000
12	11:15: 0	0.750	762.000	113.00	16.000
13	11:18: 0	0.800	773.000	113.00	11.000
14	11:21: 0	0.850	781.000	113.00	8.000
15	11:24: 0	0.900	787.000	113.00	6.000
16	11:27: 0	0.950	792.000	113.00	5.000
17	11:30: 0	1.000	597.000	113.00	-195.000
18	11:31: 0	1.017	30.000	113.00	-567.000
19	11:34:59	1.083	30.000	113.00	0.000
20	11:40: 0	1.167	30.000	113.00	0.000
21	11:45: 0	1.250	30.000	113.00	0.000
22	11:49:59	1.333	30.000	113.00	0.000
23	11:55: 0	1.417	30.000	113.00	0.000
24	12: 0: 0	1.500	30.000	113.00	0.000
25	12: 3: 0	1.550	576.000	113.00	546.000
26	12: 6: 0	1.600	679.000	113.00	103.000
27	12: 9: 0	1.650	712.000	113.00	33.000
28	12:12: 0	1.700	736.000	113.00	24.000
29	12:15: 0	1.750	751.000	113.00	15.000
30	12:18: 0	1.800	760.000	113.00	9.000
31	12:21: 0	1.850	769.000	113.00	9.000
32	12:24: 0	1.900	777.000	113.00	8.000
33	12:27: 0	1.950	781.000	113.00	4.000
34	12:30: 0	2.000	785.000	113.00	4.000

WESTERN TESTING CO. INC.



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N^o 12112

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

Elevation _____ Formation Simpson Eff. Pay _____ Ft.

District GT. Bend Date 8-10-87 Customer Order No. _____

COMPANY NAME JOLIS JAY BOY OIL, INC.
ADDRESS FOURTH FINANCIAL CENTER, 100 N. BROADWAY, SUITE 535 WICHITA, KS. 67202

LEASE AND WELL NO. Koch #1 COUNTY McPherson STATE KS. Sec. 35 Twp. 20 Rge. 2

Mail Invoice To SAME Co. Name _____ Address _____ No. Copies Requested 5

Mail Charts To SAME Address _____ No. Copies Requested 5

Formation Test No. 4 Interval Tested From 3445 ft. to 3472 ft. Total Depth 3472 ft.

Packer Depth 3440 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 3445 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3464 ft.

Recorder Number 10270 Cap. 4150

Bottom Recorder Depth (Outside) 3467 ft.

Recorder Number 13268 Cap. 4225

Below Straddle Recorder Depth _____ ft.

Recorder Number _____ Cap. _____

Drilling Contractor Allen rig

Drill Collar Length _____ I. D. _____ in.

Mud Type Chemical Viscosity 43

Weight Pipe Length _____ I. D. _____ in.

Weight 9.2 Water Loss 8 cc.

Drill Pipe Length 3425 I. D. 3.8 in.

Chlorides 2400 P.P.M.

Test Tool Length 20 ft. Tool Size 5 1/2 in.

Jars: Make _____ Serial Number _____

Anchor Length 27 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 1/8 in. Tool Joint Size 4 1/2 XH in.

Blow: IF - Very Weak Blow Throughout 1/4" Blow
FF - NO BLOW

Recovered 60 ft. of Mud w/slight show of oil in GRINDOUT

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Chlorides _____ P.P.M. Sample Jars used 1 Remarks: _____

Time On Location 5:55 A.M. Time Pick Up Tool 6:20 A.M. Time Off Location 10:45 A.M.

Time Set Packer(s) 7:15 A.M. Time Started Off Bottom 9:15 A.M. Maximum Temperature 113

Initial Hydrostatic Pressure _____ (A) 1692 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 41 P.S.I. to (C) 41 P.S.I.

Initial Closed In Period _____ Minutes 30 (D) 800 P.S.I.

Final Flow Period _____ Minutes 30 (E) 52 P.S.I. to (F) 52 P.S.I.

Final Closed In Period _____ Minutes 30 (G) 780 P.S.I.

Final Hydrostatic Pressure _____ (H) 1682 P.S.I.

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 Steve Davis
Signature of Customer or his authorized representative

Western Representative Ray Schwag

Thank you

1925

FIELD INVOICE

Open Hole Test 150
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
Telecopier \$
TOTAL 150

WESTERN TESTING CO., INC.

Pressure Data

Date 8-10-87 Test Ticket No. 12112
 Recorder No. 10270 Capacity 4150 Location _____ Ft.
 Clock No. _____ Elevation _____ Well Temperature 113 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1682</u> P.S.I.	Open Tool	<u>7:15A</u> M	
B First Initial Flow Pressure	<u>40</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>50</u> Mins.
C First Final Flow Pressure	<u>40</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>50</u> Mins.
D Initial Closed-in Pressure	<u>796</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>50</u> Mins.
E Second Initial Flow Pressure	<u>58</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>50</u> Mins.
F Second Final Flow Pressure	<u>58</u> P.S.I.			
G Final Closed-in Pressure	<u>772</u> P.S.I.			
H Final Hydrostatic Mud	<u>1682</u> P.S.I.			

PRESSURE BREAKDOWN

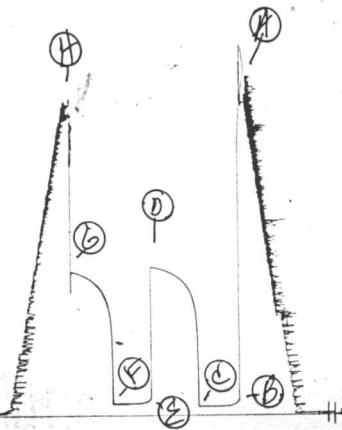
First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final 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 <u>0</u>	<u>40</u>	<u>0</u>	<u>40</u>	<u>0</u>	<u>58</u>	<u>0</u>	<u>58</u>
P 2 <u>5</u>		<u>3</u>	<u>519</u>	<u>5</u>		<u>3</u>	<u>555</u>
P 3 <u>10</u>		<u>6</u>	<u>635</u>	<u>10</u>		<u>6</u>	<u>630</u>
P 4 <u>15</u>		<u>9</u>	<u>678</u>	<u>15</u>		<u>9</u>	<u>670</u>
P 5 <u>20</u>		<u>12</u>	<u>710</u>	<u>20</u>		<u>12</u>	<u>697</u>
P 6 <u>25</u>		<u>15</u>	<u>732</u>	<u>25</u>		<u>15</u>	<u>719</u>
P 7 <u>30</u>	<u>40</u>	<u>18</u>	<u>747</u>	<u>30</u>	<u>58</u>	<u>18</u>	<u>734</u>
P 8 <u>35</u>		<u>21</u>	<u>759</u>	<u>35</u>		<u>21</u>	<u>747</u>
P 9 <u>40</u>		<u>24</u>	<u>769</u>	<u>40</u>		<u>24</u>	<u>758</u>
P10 <u>45</u>		<u>27</u>	<u>778</u>	<u>45</u>		<u>27</u>	<u>765</u>
P11 <u>50</u>		<u>30</u>	<u>785</u>	<u>50</u>		<u>30</u>	<u>772</u>
P12 <u>55</u>		<u>33</u>	<u>790</u>	<u>55</u>		<u>33</u>	
P13 <u>60</u>		<u>36</u>	<u>796</u>	<u>60</u>		<u>36</u>	
P14 <u>65</u>		<u>39</u>		<u>65</u>		<u>39</u>	
P15 <u>70</u>		<u>42</u>		<u>70</u>		<u>42</u>	
P16 <u>75</u>		<u>45</u>		<u>75</u>		<u>45</u>	
P17 <u>80</u>		<u>48</u>		<u>80</u>		<u>48</u>	
P18 <u>85</u>		<u>51</u>		<u>85</u>		<u>51</u>	
P19 <u>90</u>		<u>54</u>		<u>90</u>		<u>54</u>	
P20 <u>95</u>		<u>57</u>		<u>95</u>		<u>57</u>	
<u>100</u>		<u>60</u>		<u>100</u>		<u>60</u>	

Kit # 12112

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057#4

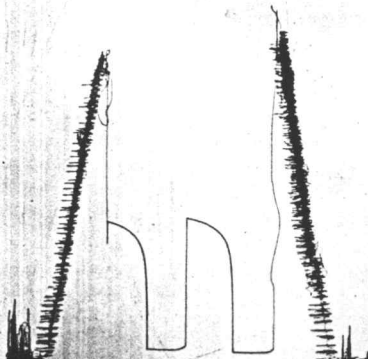


Kit # 12112

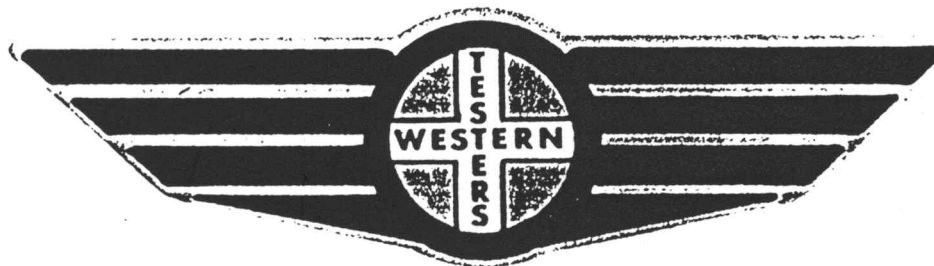
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OST #4



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY JAY BOY OIL COMPANY, INC. LEASE & WELL NO. KOEHN #1 SEC. 35 TWP. 20S RGE. 2W TEST NO. 4 DATE 8/10/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 8-10-87 TICKET : 12112
CUSTOMER : JAY BOY OIL COMPANY INC. LEASE : KOEHN
WELL : #1 TEST: 4 GEOLOGIST : S. DAVIS
ELEVATION : NA FORMATION : SIMPSON
SECTION : 35 TOWNSHIP : 20S
RANGE : 2W COUNTY : McPHERSON STATE : KANSAS
GAUGE SN# : 10270 RANGE : 4150 CLOCK : 12

INTERVAL FROM : 3445 TO : 3472 TOTAL DEPTH : 3472
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3440 SIZE : 6.63
PACKER DEPTH : 3445 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : ALLEN RIG #1
MUD TYPE : CHEMICAL VISCOSITY : 43
WEIGHT : 9.2 WATER LOSS (CC) : 8
CHLORIDES (PPM) : 2400
JARS-MAKE : - SERIAL NUMBER :
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 3425 FT I.D. inch : 3.80
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 27 FT ANCHOR SIZE : 5.50
SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75
MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5 XH

BLOW COMMENT #1 : INITIAL FLOW-VERY WEAK 1/4" BLOW THROUGHOUT.
BLOW COMMENT #2 : FINAL FLOW-NO BLOW.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : JAY BOY OIL COMPANY INC.
RIG : McPHERSON-KANSAS
FIELD : KOEHN
WELL : #1
DATE : 8-10-87
GAUGE NO : 10270

OPERATIONAL COMMENTS

WELL : #1
GAUGE # : 10270
DATE : 10/18/87

FIELD : ROEHN
JOB # : 12112
DEPTH : 3472
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	7:15: 0	0.000	40.000	113.00	0.000
2	7:19:59	0.083	40.000	113.00	0.000
3	7:25: 0	0.167	40.000	113.00	0.000
4	7:30: 0	0.250	40.000	113.00	0.000
5	7:34:59	0.333	40.000	113.00	0.000
6	7:40: 0	0.417	40.000	113.00	0.000
7	7:45: 0	0.500	40.000	113.00	0.000
8	7:48: 0	0.550	519.000	113.00	479.000
9	7:51: 0	0.600	635.000	113.00	116.000
10	7:54: 0	0.650	678.000	113.00	43.000
11	7:57: 0	0.700	710.000	113.00	32.000
12	8: 0: 0	0.750	732.000	113.00	22.000
13	8: 3: 0	0.800	747.000	113.00	15.000
14	8: 6: 0	0.850	759.000	113.00	12.000
15	8: 9: 0	0.900	769.000	113.00	10.000
16	8:12: 0	0.950	778.000	113.00	9.000
17	8:15: 0	1.000	785.000	113.00	7.000
18	8:18: 0	1.050	790.000	113.00	5.000
19	8:21: 0	1.100	796.000	113.00	6.000
20	8:22: 0	1.117	58.000	113.00	-738.000
21	8:25:59	1.183	58.000	113.00	0.000
22	8:31: 0	1.267	58.000	113.00	0.000
23	8:36: 0	1.350	58.000	113.00	0.000
24	8:40:59	1.433	58.000	113.00	0.000
25	8:46: 0	1.517	58.000	113.00	0.000
26	8:51: 0	1.600	58.000	113.00	0.000
27	8:54: 0	1.650	555.000	113.00	497.000
28	8:57: 0	1.700	630.000	113.00	75.000
29	9: 0: 0	1.750	670.000	113.00	40.000
30	9: 3: 0	1.800	697.000	113.00	27.000
31	9: 6: 0	1.850	719.000	113.00	22.000
32	9: 9: 0	1.900	734.000	113.00	15.000
33	9:12: 0	1.950	747.000	113.00	13.000
34	9:15: 0	2.000	758.000	113.00	11.000
35	9:18: 0	2.050	765.000	113.00	7.000
36	9:21: 0	2.100	772.000	113.00	7.000

WESTERN TESTING CO. INC.