



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 11134

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

Elevation 1437 G1 Formation Miss Eff. Pay - Ft.

District GT. Bend Date 12-7-87 Customer Order No. -
COMPANY NAME JDS. JAY BOY OIL INC.
ADDRESS 100 N. BROADWAY, SUITE 535 WICHITA, KS 67202
LEASE AND WELL NO. LYM KAUFMAN #1 COUNTY McPHERSON STATE KS Sec. 15 Twp. 21 S Rge. 3 W
Mail Invoice To Co. Name JAY BOY SAME Address No. Copies Requested 9
Mail Charts To ST. PHOENIX SAME Address No. Copies Requested 9

Formation Test No. 1 Interval Tested From 3063 ft. to 3073 ft. Total Depth 3073 ft.
Packer Depth 3058 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
Packer Depth 3063 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3065 ft. Recorder Number 10270 Cap. 4150
Bottom Recorder Depth (Outside) 3068 ft. Recorder Number 13268 Cap. 4225
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor ALLEN rig 4 Drill Collar Length 330 I. D. 2.2 in.
Mud Type CHEMICAL Viscosity 44 Weight Pipe Length - I. D. - in.
Weight 9.1 Water Loss 7.6 cc. Drill Pipe Length 2713 I. D. 3.8 in.
Chlorides 2,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.
Jars: Make - Serial Number - Anchor Length 10 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 H in.

Blow: IF - STRONG BLOW BOTTOM OF BUCKET in 1 min
FF - STRONG BLOW GAS TO SURFACE in 20 min
Recovered 5 ft. of OIL cut mud 3% OIL 2% GAS 95% mud
Recovered - ft. of
Recovered - ft. of
Recovered - ft. of
Recovered - ft. of
Chlorides P.P.M. Sample Jars used 2 Remarks:

Time On Location 5:40 A.M. Time Pick Up Tool 6:00 P.M. Time Off Location - A.M.
Time Set Packer(s) 7:15 P.M. Time Started Off Bottom 11:00 P.M. Maximum Temperature 105°
Initial Hydrostatic Pressure (A) 1443 P.S.I.
Initial Flow Period Minutes 30 (B) 20 P.S.I. to (C) 20 P.S.I.
Initial Closed In Period Minutes 60 (D) 582 P.S.I.
Final Flow Period Minutes 45 (E) 20 P.S.I. to (F) 20 P.S.I.
Final Closed In Period Minutes 90 (G) 572 P.S.I.
Final Hydrostatic Pressure (H) 1443 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 [Signature] Signature of Customer or his authorized representative

Western Representative Ray Schwager Thank you

1925

FIELD INVOICE

Open Hole Test \$ 450
Miscrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$ 50
Insurance \$
Telecopier \$
TOTAL \$

Pressure Data

Date 12-7-87 Test Ticket No. 11134
 Recorder No. 10270 Capacity 4/50 Location _____ Ft. _____
 Clock No. _____ Elevation _____ Well Temperature 105 °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1470</u> P.S.I.		<u>7:54</u> M	
B First Initial Flow Pressure	<u>25</u> P.S.I.	First Flow Pressure	<u>30</u> Mins	<u>30</u> Mins.
C First Final Flow Pressure	<u>25</u> P.S.I.	Initial Closed-in Pressure	<u>100</u> Mins	<u>100</u> Mins.
D Initial Closed-in Pressure	<u>590</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>23</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins	<u>90</u> Mins.
F Second Final Flow Pressure	<u>23</u> P.S.I.			
G Final Closed-in Pressure	<u>583</u> P.S.I.			
H Final Hydrostatic Mud	<u>1467</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>25</u>	0	<u>25</u>	0	<u>23</u>	0	<u>23</u>
P 2 5		3	<u>391</u>	5		3	<u>255</u>
P 3 10		6	<u>455</u>	10		6	<u>358</u>
P 4 15		9	<u>492</u>	15		9	<u>415</u>
P 5 20		12	<u>516</u>	20		12	<u>446</u>
P 6 25		15	<u>532</u>	25		15	<u>469</u>
P 7 30	<u>25</u>	18	<u>544</u>	30		18	<u>488</u>
P 8 35		21	<u>552</u>	35		21	<u>502</u>
P 9 40		24	<u>559</u>	40		24	<u>512</u>
P10 45		27	<u>563</u>	45	<u>23</u>	27	<u>521</u>
P11 50		30	<u>570</u>	50		30	<u>529</u>
P12 55		33	<u>573</u>	55		33	<u>536</u>
P13 60		36	<u>576</u>	60		36	<u>540</u>
P14 65		39	<u>579</u>	65		39	<u>546</u>
P15 70		42	<u>581</u>	70		42	<u>550</u>
P16 75		45	<u>583</u>	75		45	<u>554</u>
P17 80		48	<u>585</u>	80		48	<u>557</u>
P18 85		51	<u>587</u>	85		51	<u>564</u>
P19 90		54	<u>588</u>	90		54	<u>567</u>
P20 95		57	<u>589</u>	95		57	<u>569</u>
100		60	<u>590</u>	100		60	<u>571</u>

WESTERN TESTING CO., INC.
Pressure Data

Date _____

Test Ticket No. 1134

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud _____	P.S.I.	Open Tool _____	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

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

Handwritten pressure values:
573
575
577
579
580
581
582
583
5
583

IV # 11134
0

9

0571

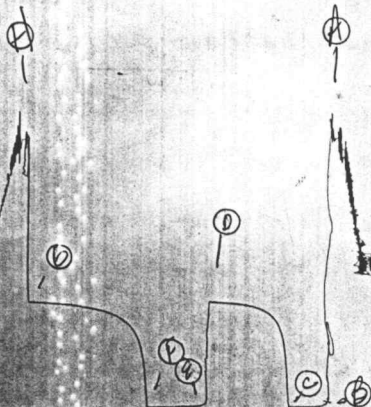


JK # 11134

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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY JAY BOY OIL CO. INC. LEASE & WELL NO. LYNN KAUFMAN #1 SEC. 15 TWP 21S RGE. 3W TEST NO. 1 DATE 12/7/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 12-7-87 TICKET : 11134
CUSTOMER : JAY BOY OIL CO. INC. LEASE : LYNN KAUFMAN
WELL : #1 TEST: 1 GEOLOGIST : S. DAVIS
ELEVATION : 1437 GL FORMATION : MISSISSIPPI
SECTION : 15 TOWNSHIP : 21S
RANGE : 3W COUNTY : McPHERSON STATE : KANSAS
GAUGE SN# : 10270 RANGE : 4150 CLOCK : 12

INTERVAL FROM : 3063 TO : 3073 TOTAL DEPTH : 3073
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3058 SIZE : 6.63
PACKER DEPTH : 3063 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : ALLEN RIG #4
MUD TYPE : CHEMICAL VISCOSITY : 44
WEIGHT : 9.1 WATER LOSS (CC) : 7.6
CHLORIDES (PPM) : 2000
JARS-MAKE : - SERIAL NUMBER :
DID WELL FLOW ? : GAS REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 330 FT I.D. inch : 2.20
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 2713 FT I.D. inch : 3.80
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 10 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 BOTTOM OF BUCKET IN 1 MINUTE
BLOW COMMENT #2 : FINAL FLOW-STRONG BLOW GAS TO SURFACE IN 20 MINUTES.
BLOW COMMENT #3 : SEE ATTACHED FLOW CHART.
BLOW COMMENT #4 :

RECOVERED : 5 FT OF: OIL CUT MUD
3% OIL-2% GAS-95% MUD

Total Barrels Fluid = 0.02
Total Fluid Prod Rate = 0.45 BFPD
Indicated Oil Rate = 0.01 BOPD
Indicated Wtr Rate = 0.04 BWPD

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

SET PACKER(S) : 7:15 PM

TIME STARTED OFF BOTTOM : 11:00 PM

WELL TEMPERATURE : 105
INITIAL HYDROSTATIC PRESSURE (A) 1470
INITIAL FLOW PERIOD MIN: 30 (B) 25 PSI TO (C) : 25
INITIAL CLOSED IN PERIOD MIN: 60 (D) 590
FINAL FLOW PERIOD MIN: 45 (E) 23 PSI TO (F) : 23
FINAL CLOSED IN PERIOD MIN: 90 (G) 583
FINAL HYDROSTATIC PRESSURE (H) 1467

GAS FLOW REPORT

Date : 12-7-87 Ticket # : 11134
Customer : JAY BOY OIL CO. INC. Lease : LYNN KAUFMAN
Well : #1 Test : 1 Geologist : S. DAVIS
Elevation (KB) : 1442 Formation : MISSISSIPPI
Section : 15 Township : 21S
Range : 3W 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

SECOND FLOW

20	MERLA	1/4"	1 "	OF WTR 1680 CFPD
30			5	3710 CFPD
40			7	4450 CFPD
45			7	4450 CFPD

Gas Bottle SN # :
Date Bottle Filled : 12-7-87
Date to be Invoiced :

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : JAY BOY OIL CO. INC.
RIG : McPHERSON-KANSAS
FIELD : LYNN KAUFMAN
WELL : #1
DATE : 12-7-87
GAUGE NO : 10270

OPERATIONAL COMMENTS

COMPANY : JAY BOY OIL CO. INC.
 WELL : #1
 GAUGE # : 10270
 DATE : 7/12/87

FIELD : LYNN KAUFMAN
 JOB # : 11134
 DEPTH : 3073
 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P $P_i - P(i-1)$
1	7:15:0	0.000	25.000	105.00	0.000
2	7:19:59	0.083	25.000	105.00	0.000
3	7:25:0	0.167	25.000	105.00	0.000
4	7:30:0	0.250	25.000	105.00	0.000
5	7:34:59	0.333	25.000	105.00	0.000
6	7:40:0	0.417	25.000	105.00	0.000
7	7:45:0	0.500	25.000	105.00	0.000
8	7:48:0	0.550	391.000	105.00	366.000
9	7:51:0	0.600	455.000	105.00	64.000
10	7:54:0	0.650	492.000	105.00	37.000
11	7:57:0	0.700	516.000	105.00	24.000
12	8:0:0	0.750	532.000	105.00	16.000
13	8:3:0	0.800	544.000	105.00	12.000
14	8:6:0	0.850	552.000	105.00	8.000
15	8:9:0	0.900	559.000	105.00	7.000
16	8:12:0	0.950	563.000	105.00	4.000
17	8:15:0	1.000	570.000	105.00	7.000
18	8:18:0	1.050	573.000	105.00	3.000
19	8:21:0	1.100	576.000	105.00	3.000
20	8:24:0	1.150	579.000	105.00	3.000
21	8:27:0	1.200	581.000	105.00	2.000
22	8:30:0	1.250	583.000	105.00	2.000
23	8:33:0	1.300	585.000	105.00	2.000
24	8:36:0	1.350	587.000	105.00	2.000
25	8:39:0	1.400	588.000	105.00	1.000
26	8:42:0	1.450	589.000	105.00	1.000
27	8:45:0	1.500	590.000	105.00	1.000
28	8:46:0	1.517	23.000	105.00	-567.000
29	8:49:59	1.583	23.000	105.00	0.000
30	8:55:0	1.667	23.000	105.00	0.000
31	9:0:0	1.750	23.000	105.00	0.000
32	9:4:59	1.833	23.000	105.00	0.000
33	9:10:0	1.917	23.000	105.00	0.000
34	9:15:0	2.000	23.000	105.00	0.000
35	9:19:59	2.083	23.000	105.00	0.000
36	9:25:0	2.167	23.000	105.00	0.000
37	9:30:0	2.250	23.000	105.00	0.000
38	9:33:0	2.300	255.000	105.00	232.000
39	9:36:0	2.350	358.000	105.00	103.000
40	9:39:0	2.400	415.000	105.00	57.000
41	9:42:0	2.450	446.000	105.00	31.000
42	9:45:0	2.500	469.000	105.00	23.000
43	9:48:0	2.550	488.000	105.00	19.000
44	9:51:0	2.600	502.000	105.00	14.000
45	9:54:0	2.650	512.000	105.00	10.000
46	9:57:0	2.700	521.000	105.00	9.000
47	10:0:0	2.750	529.000	105.00	8.000
48	10:3:0	2.800	536.000	105.00	7.000
49	10:6:0	2.850	540.000	105.00	4.000
50	10:9:0	2.900	546.000	105.00	6.000
51	10:12:0	2.950	550.000	105.00	4.000
52	10:15:0	3.000	554.000	105.00	4.000

COMPANY : JAY BOY OIL CO. INC.
WELL : #1
GAUGE # : 10270
DATE : 7/12/87

FIELD : LINA
JOB # : 11134
DEPTH : 3073
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	10:18:0	3.050	557.000	105.00	3.000
54	10:21:0	3.100	564.000	105.00	7.000
55	10:24:0	3.150	567.000	105.00	3.000
56	10:27:0	3.200	569.000	105.00	2.000
57	10:30:0	3.250	571.000	105.00	2.000
58	10:33:0	3.300	573.000	105.00	2.000
59	10:36:0	3.350	575.000	105.00	2.000
60	10:39:0	3.400	577.000	105.00	2.000
61	10:42:0	3.450	579.000	105.00	2.000
62	10:45:0	3.500	580.000	105.00	1.000
63	10:48:0	3.550	581.000	105.00	1.000
64	10:51:0	3.600	582.000	105.00	1.000
65	10:54:0	3.650	583.000	105.00	1.000
66	10:57:0	3.700	583.000	105.00	0.000
67	11:0:0	3.750	583.000	105.00	0.000

WESTERN TESTING CO. INC.