# Ricketts Testing

Company Jay Boy Oil, Inc. Lease & Well No. Gaeddert #2

Elevation 1432 K.B. Formation Simpson Effective Pay ____ ft. Ticket No. 1113

Date 4-14-88 Sec. 21 Twp. 22S Range 3W County Harvey State Kansas

Test Approved by Steve Davis Ricketts Representative Steve Waggoner

Formation Test No. 1 Interval Tested from 3725 ft. to 3736 ft. Total Depth 3736 ft.

Packer Depth 3725 ft. Size 6 3/4 in. Packer Depth ____ ft. Size ____ in.

Packer Depth 3722 ft. Size 6 3/4 in. Packer Depth ____ ft. Size ____ in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 3730 ft. Recorder Number 13767 Cap. 4275

Bottom Recorder Depth (Outside) 3733 ft. Recorder Number 11027 Cap. 4275

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

Drilling Contractor Allen Drilling Rig #3 Drill Collar Length ____ I.D. ____ in.

Mud Type Chemical Viscosity 42 Weight Pipe Length ____ I.D. ____ in.

Weight 9.4 Water Loss 9.6 cc. Drill Pipe Length 3705 I.D. 3.25 in.

Chlorides 2,000 P.P.M. Test Tool Length 20 ft. Tool Size 5½ in.

Jars: Make --- Serial Number ____ Anchor Length 11 ft. Size 5½ 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 4½xh in.

Blow: Weak blow increasing to a strong blow in 16 minutes Initial Flow Period.

Weak blow increasing to a strong blow in 19 minutes Final Flow Period.

Recovered 505 ft. of Mudd water.

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Remarks: DST Fluid Chlorides: 6,000 PPM top; 19,000 PPM bottom

Time Set Packer (s) 5:20 A.M. Time Started Off Bottom 8:30 A.M. Maximum Temperature 111°

Initial Hydrostatic Pressure ..... (A) 1882 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 61 P.S.I. to (C) 116 P.S.I.

Initial Closed In Period ..... Minutes 60 (D) 684 P.S.I.

Final Flow Period ..... Minutes 30 (E) 164 P.S.I. to (F) 215 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 680 P.S.I.

Final Hydrostatic Pressure ..... (H) 1845 P.S.I.

# RICKETTS TESTING

## Pressure Data

Date 4-14-88 Test Ticket No. 1113

Recorder No. 13767 Capacity 4275 Location 3730 Ft.

Clock No. Elevation 1432 K.B. Well Temperature 111 °F

| Point | | Pressure | |
|---|---|---|---|
| A | Initial Hydrostatic Mud | 1882 | P.S.I. |
| B | First Initial Flow Pressure | 61 | P.S.I. |
| C | First Final Flow Pressure | 116 | P.S.I. |
| D | Initial Closed-in Pressure | 684 | P.S.I. |
| E | Second Initial Flow Pressure | 164 | P.S.I. |
| F | Second Final Flow Pressure | 215 | P.S.I. |
| G | Final Closed-in Pressure | 680 | P.S.I. |
| H | Final Hydrostatic Mud | 1845 | P.S.I. |

| | Time Given | Time Computed |
|---|---|---|
| Open Tool | 5:20 AM | |
| First Flow Pressure | 30 Mins. | 30 Mins. |
| Initial Closed-in Pressure | 60 Mins. | 60 Mins. |
| Second Flow Pressure | 30 Mins. | 30 Mins. |
| Final Closed-in Pressure | 60 Mins. | 60 Mins. |

## PRESSURE BREAKDOWN

**First Flow Pressure**
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of ____ Min.

| Point | Mins. | Press. |
|---|---|---|
| P 1 | 0 | 61 |
| P 2 | 5 | 61 |
| P 3 | 10 | 66 |
| P 4 | 15 | 78 |
| P 5 | 20 | 92 |
| P 6 | 25 | 104 |
| P 7 | 30 | 116 |
| P 8 | 35 | |
| P 9 | 40 | |
| P10 | 45 | |
| P11 | 50 | |
| P12 | 55 | |
| P13 | 60 | |
| P14 | 65 | |
| P15 | 70 | |
| P16 | 75 | |
| P17 | 80 | |
| P18 | 85 | |
| P19 | 90 | |
| P20 | 95 | |

**Initial Shut-In**
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of ____ Min.

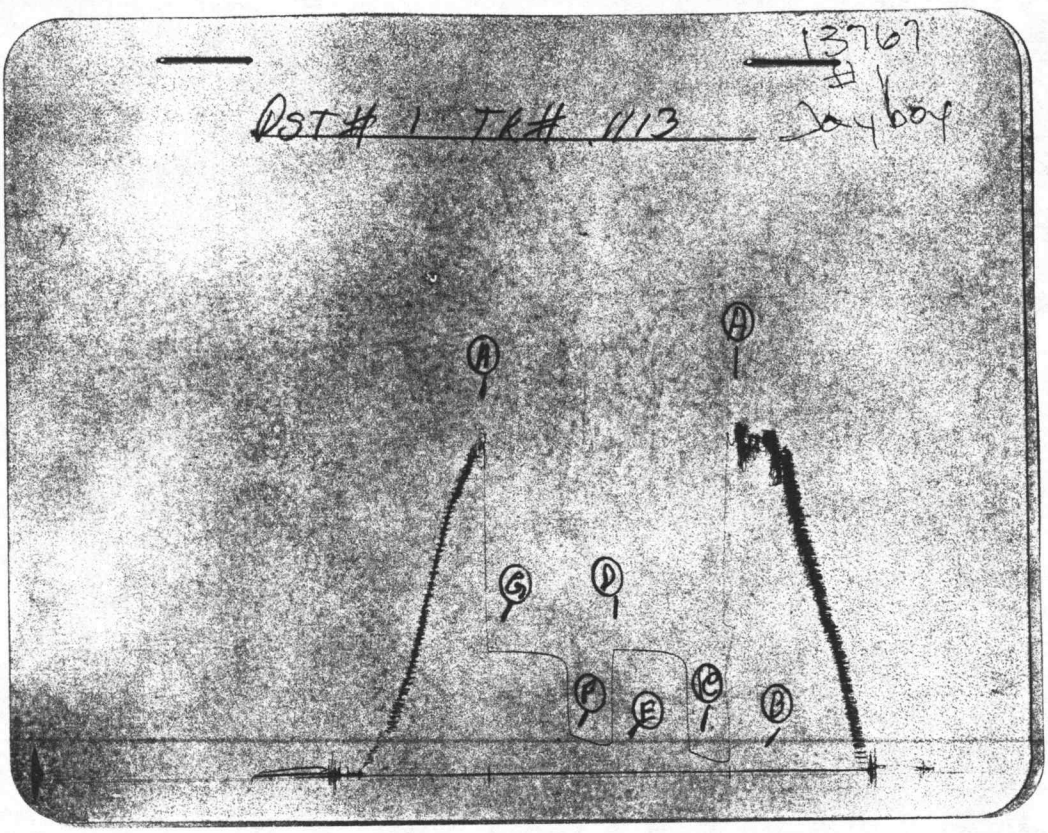
| Point | Minutes | Press. |
|---|---|---|
| | 0 | 116 |
| | 3 | 566 |
| | 6 | 623 |
| | 9 | 646 |
| | 12 | 654 |
| | 15 | 663 |
| | 18 | 668 |
| | 21 | 673 |
| | 24 | 676 |
| | 27 | 679 |
| | 30 | 681 |
| | 33 | 682 |
| | 36 | 683 |
| | 39 | 683 |
| | 42 | 684 |
| | 45 | 684 |
| | 48 | 684 |
| | 51 | 684 |
| | 54 | 684 |
| | 57 | 684 |
| | 60 | 684 |

**Second Flow Pressure**
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of ____ Min.

| Point | Minutes | Press. |
|---|---|---|
| | 0 | 164 |
| | 5 | 164 |
| | 10 | 164 |
| | 15 | 173 |
| | 20 | 186 |
| | 25 | 200 |
| | 30 | 215 |
| | 35 | |
| | 40 | |
| | 45 | |
| | 50 | |
| | 55 | |
| | 60 | |
| | 65 | |
| | 70 | |
| | 75 | |
| | 80 | |
| | 85 | |
| | 90 | |

**Final Shut-In**
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of ____ Min.

| Point | Minutes | Press. |
|---|---|---|
| | 0 | 215 |
| | 3 | 602 |
| | 6 | 628 |
| | 9 | 644 |
| | 12 | 652 |
| | 15 | 658 |
| | 18 | 663 |
| | 21 | 667 |
| | 24 | 670 |
| | 27 | 672 |
| | 30 | 673 |
| | 33 | 674 |
| | 36 | 675 |
| | 39 | 676 |
| | 42 | 677 |
| | 45 | 677 |
| | 48 | 678 |
| | 51 | 678 |
| | 54 | 679 |
| | 57 | 679 |
| | 60 | 680 |




This is an actual photograph of recorder chart.

| POINT | | PRESSURE Field Reading | Office Reading | |
|---|---|---|---|---|
| (A) | Initial Hydrostatic Mud | 1872 | 1882 | PSI |
| (B) | First Initial Flow Pressure | 63 | 61 | PSI |
| (C) | First Final Flow Pressure | 127 | 116 | PSI |
| (D) | Initial Closed-in Pressure | 699 | 684 | PSI |
| (E) | Second Initial Flow Pressure | 190 | 164 | PSI |
| (F) | Second Final Flow Pressure | 233 | 215 | PSI |
| (G) | Final Closed-in Pressure | 699 | 680 | PSI |
| (H) | Final Hydrostatic Mud | 1840 | 1845 | PSI |

COMPANY Jay Boy Oil, Inc. LEASE AND WELL NO. Gaeddert #2 SEC. 21 TWP. 22S RGE. 3W TEST NO. 1 DATE 4-14-88

# Ricketts Testing

Company Jay Boy Oil, Inc. Lease & Well No. Gaeddert #2

Elevation 1432 K.B. Formation Simpson Effective Pay ____ ft. Ticket No. 1114

Date 4-14-88 Sec. 21 Twp. 22S Range 3W County Harvey State Kansas

Test Approved by Steve Davis Ricketts Representative Steve Waggoner

Formation Test No. 2 Interval Tested from 3704 ft. to 3720 ft. Total Depth 3736 ft.

Packer Depth 3704 ft. Size 6 3/4 in. Packer Depth 3725 ft. Size 6 3/4 in.

Packer Depth 3720 ft. Size 6 3/4 in. Packer Depth ____ ft. Size ____ in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 3709 ft. Recorder Number 13767 Cap. 4275

Bottom Recorder Depth (Outside) ____ ft. Recorder Number ____ Cap. ____

Below Straddle Recorder Depth 3733 ft. Recorder Number 13565 Cap. 4475

Drilling Contractor Allen Drilling Rig #3 Drill Collar Length ____ I.D. ____ in.

Mud Type Chemical Viscosity 44 Weight Pipe Length ____ I.D. ____ in.

Weight 9.4 Water Loss 8.4 cc. Drill Pipe Length 3684 I.D. 3.25 in.

Chlorides 2,500 P.P.M. Test Tool Length 20 ft. Tool Size 5½ in.

Jars: Make --- Serial Number ____ Anchor Length 16'w/16' tailpipe ft. Size 5½ 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 4½xh in.

Blow: Weak blow building to a strong blow in 30 minutes Initial flow Period.
Weak blow building to a strong blow in 50 minutes Final Flow Period.

Recovered 340 ft. of Muddy water.

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Remarks: DST Fluid Chlorides 21,000 PPM

Time Set Packer (s) 11:25 A.M. ~~P.M.~~ Time Started Off Bottom 3:10 ~~A.M.~~ P.M. Maximum Temperature 114°

Initial Hydrostatic Pressure ..... (A) 1884 P.S.I.

Initial Flow Period ..... Minutes 45 (B) 38 P.S.I. to (C) 74 P.S.I.

Initial Closed In Period ..... Minutes 60 (D) 648 P.S.I.

Final Flow Period ..... Minutes 60 (E) 103 P.S.I. to (F) 158 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 639 P.S.I.

Final Hydrostatic Pressure ..... (H) 1843 P.S.I.

# RICKETTS TESTING
## Pressure Data

Date 4-14-88 Test Ticket No. 1114

Recorder No. 13767 Capacity 4275 Location 3709 Ft.

Clock No. Elevation 1432 K.B. Well Temperature 114 °F

| Point | | Pressure | | Time Given | Time Computed |
|---|---|---|---|---|---|
| A | Initial Hydrostatic Mud | 1884 P.S.I. | Open Tool | 3:10 P M | |
| B | First Initial Flow Pressure | 38 P.S.I. | First Flow Pressure | 45 Mins. | 45 Mins. |
| C | First Final Flow Pressure | 74 P.S.I. | Initial Closed-in Pressure | 60 Mins. | 60 Mins. |
| D | Initial Closed-in Pressure | 648 P.S.I. | Second Flow Pressure | 60 Mins. | 60 Mins. |
| E | Second Initial Flow Pressure | 103 P.S.I. | Final Closed-in Pressure | 60 Mins. | 60 Mins. |
| F | Second Final Flow Pressure | 158 P.S.I. | | | |
| G | Final Closed-in Pressure | 639 P.S.I. | | | |
| H | Final Hydrostatic Mud | 1843 P.S.I. | | | |

## PRESSURE BREAKDOWN

**First Flow Pressure**
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of ____ Min.

| Point Mins. | Press. |
|---|---|
| P 1 0 | 38 |
| P 2 5 | 38 |
| P 3 10 | 38 |
| P 4 15 | 41 |
| P 5 20 | 45 |
| P 6 25 | 52 |
| P 7 30 | 58 |
| P 8 35 | 64 |
| P 9 40 | 69 |
| P10 45 | 74 |
| P11 50 | |
| P12 55 | |
| P13 60 | |
| P14 65 | |
| P15 70 | |
| P16 75 | |
| P17 80 | |
| P18 85 | |
| P19 90 | |
| P20 95 | |

**Initial Shut-In**
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of ____ Min.

| Point Minutes | Press. |
|---|---|
| 0 | 74 |
| 3 | 243 |
| 6 | 584 |
| 9 | 604 |
| 12 | 611 |
| 15 | 619 |
| 18 | 628 |
| 21 | 631 |
| 24 | 633 |
| 27 | 635 |
| 30 | 638 |
| 33 | 640 |
| 36 | 641 |
| 39 | 642 |
| 42 | 643 |
| 45 | 644 |
| 48 | 645 |
| 51 | 646 |
| 54 | 647 |
| 57 | 648 |
| 60 | 648 |

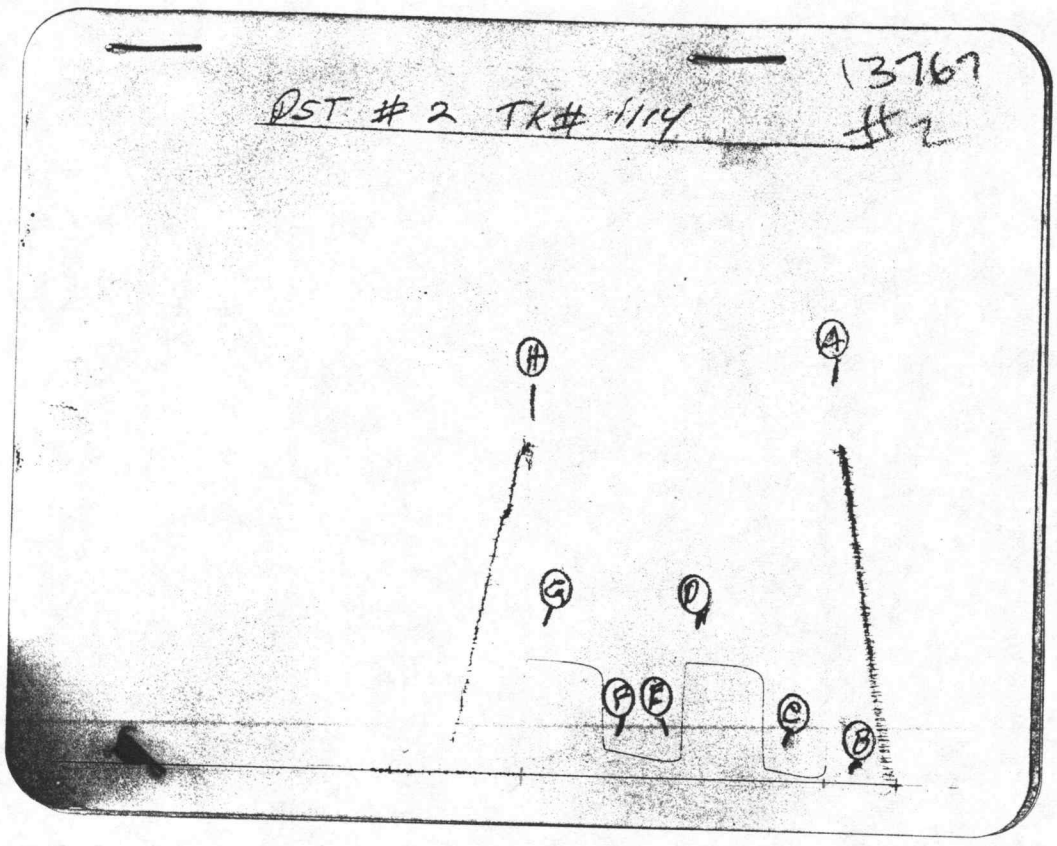
**Second Flow Pressure**
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of ____ Min.

| Point Minutes | Press. |
|---|---|
| 0 | 103 |
| 5 | 103 |
| 10 | 103 |
| 15 | 107 |
| 20 | 112 |
| 25 | 117 |
| 30 | 122 |
| 35 | 130 |
| 40 | 136 |
| 45 | 140 |
| 50 | 148 |
| 55 | 156 |
| 60 | 158 |
| 65 | |
| 70 | |
| 75 | |
| 80 | |
| 85 | |
| 90 | |
| | |

**Final Shut-In**
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of ____ Min.

| Point Minutes | Press. |
|---|---|
| 0 | 158 |
| 3 | 376 |
| 6 | 575 |
| 9 | 593 |
| 12 | 606 |
| 15 | 616 |
| 18 | 620 |
| 21 | 624 |
| 24 | 627 |
| 27 | 630 |
| 30 | 632 |
| 33 | 633 |
| 36 | 634 |
| 39 | 635 |
| 42 | 636 |
| 45 | 636 |
| 48 | 637 |
| 51 | 637 |
| 54 | 638 |
| 57 | 638 |
| 60 | 639 |

COMPANY Jay ___, Inc. LEASE AND WELL NO. Gaeddert #2 SEC. 21 TWP. 22S RGE. 3W TEST NO. 2 DATE 4-14-88




This is an actual photograph of recorder chart.

| POINT | | PRESSURE Field Reading | Office Reading | |
|---|---|---|---|---|
| (A) | Initial Hydrostatic Mud | 1871 | 1884 | PSI |
| (B) | First Initial Flow Pressure | 31 | 38 | PSI |
| (C) | First Final Flow Pressure | 84 | 74 | PSI |
| (D) | Initial Closed-in Pressure | 667 | 648 | PSI |
| (E) | Second Initial Flow Pressure | 127 | 103 | PSI |
| (F) | Second Final Flow Pressure | 190 | 158 | PSI |
| (G) | Final Closed-in Pressure | 667 | 639 | PSI |
| (H) | Final Hydrostatic Mud | 1839 | 1843 | PSI |