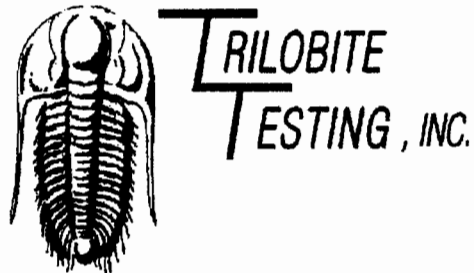


15-9s-19w



## DRILL STEM TEST REPORT

Prepared For: **Thomason Petroleum Inc**

PO Box 875  
Hays KS 67601

ATTN: Clayton Comozzi

**15 9S 19W Rooks KS**

**Pekarek #1**

Start Date: 2007.01.31 @ 05:45:38

End Date: 2007.01.31 @ 16:07:18

Job Ticket #: 27491 DST #: 1

15-163-23584-00-00

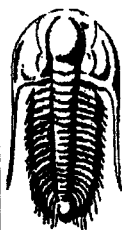
NW SE SW

990 FSL 1500 FWL

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Thomason Petroleum Inc

PO Box 875  
Hays KS 67601

ATTN: Clayton Comozzi

**Pekarek #1**

**15 9S 19W Rooks KS**

Job Ticket: 27491

**DST#: 1**

Test Start: 2007.01.31 @ 05:45:38

### GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:51:08

Time Test Ended: 16:07:18

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 21

Interval: **3503.00 ft (KB) To 3546.00 ft (KB) (TVD)**

Total Depth: 3546.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2108.00 ft (KB)

2103.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8320 Inside**

Press@RunDepth: 76.93 psig @ 3507.00 ft (KB)

Start Date: 2007.01.31

End Date:

2007.01.31

Start Time: 05:45:40

End Time:

16:07:18

Capacity: 7000.00 psig

Last Calib.: 2007.01.31

Time On Btm: 2007.01.31 @ 09:50:58

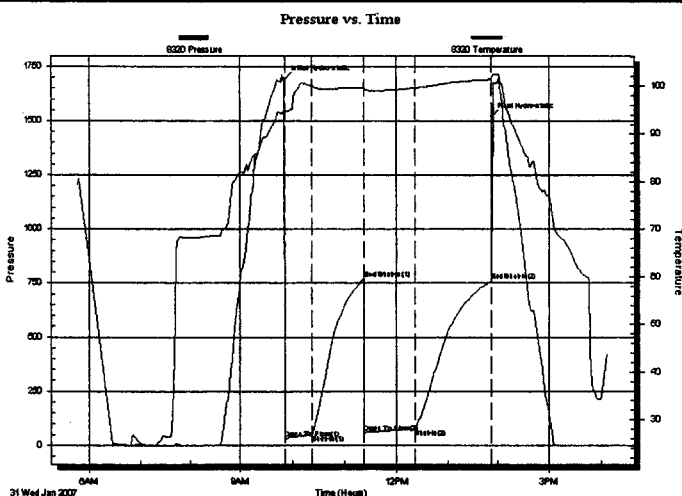
Time Off Btm: 2007.01.31 @ 13:52:18

TEST COMMENT: IFP Weak blow built to 8.5 "

ISI No blow back

FFP Weak blow built to 7 "

FSI Weak surface blow back throughout



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1692.81         | 94.79        | Initial Hydro-static |
| 1           | 28.13           | 93.94        | Open To Flow (1)     |
| 32          | 49.40           | 99.99        | Shut-In(1)           |
| 92          | 770.78          | 99.55        | End Shut-In(1)       |
| 92          | 56.92           | 99.45        | Open To Flow (2)     |
| 150         | 76.93           | 99.57        | Shut-In(2)           |
| 242         | 758.61          | 101.35       | End Shut-In(2)       |
| 242         | 1518.24         | 101.77       | Final Hydro-static   |

### Recovery

| Length (ft) | Description    | Volume (bbl) |
|-------------|----------------|--------------|
| 30.00       | MO 80%O 20%M   | 0.15         |
| 60.00       | MCO 50%O 50%M  | 0.85         |
| 60.00       | HOCM 30%O 70%M | 0.85         |
|             |                |              |
|             |                |              |
|             |                |              |

### Gas Rates

|  | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
|--|----------------|-----------------|------------------|



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Thomason Petroleum Inc

**Pekarek #1**

PO Box 875  
Hays KS 67601

**15 9S 19W Rooks KS**

Job Ticket: 27491

**DST#: 1**

ATTN: Clayton Comozzi

Test Start: 2007.01.31 @ 05:45:38

### Tool Information

|                           |                    |                       |                   |                                    |
|---------------------------|--------------------|-----------------------|-------------------|------------------------------------|
| Drill Pipe:               | Length: 3470.00 ft | Diameter: 3.82 inches | Volume: 49.19 bbl | Tool Weight: 2200.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 2.25 inches | Volume: 0.00 bbl  | Weight set on Packer: 25000.00 lb  |
| Drill Collar:             | Length: 30.00 ft   | Diameter: 2.25 inches | Volume: 0.15 bbl  | Weight to Pull Loose: 60000.00 lb  |
|                           |                    | Total Volume:         | 49.34 bbl         | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 18.00 ft           |                       |                   | String Weight: Initial 36000.00 lb |
| Depth to Top Packer:      | 3503.00 ft         |                       |                   | Final 40000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                   |                                    |
| Interval between Packers: | 43.00 ft           |                       |                   |                                    |
| Tool Length:              | 64.00 ft           |                       |                   |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                   |                                    |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 3483.00    |                               |
| Shut In Tool     | 5.00        |            |          | 3488.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 3493.00    |                               |
| Packer           | 5.00        |            |          | 3498.00    | 21.00 Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 3503.00    |                               |
| Stubb            | 1.00        |            |          | 3504.00    |                               |
| Perforations     | 2.00        |            |          | 3506.00    |                               |
| Change Over Sub  | 1.00        |            |          | 3507.00    |                               |
| Recorder         | 0.00        | 8320       | Inside   | 3507.00    |                               |
| Blank Spacing    | 31.00       |            |          | 3538.00    |                               |
| Change Over Sub  | 1.00        |            |          | 3539.00    |                               |
| Perforations     | 4.00        |            |          | 3543.00    |                               |
| Recorder         | 0.00        | 3351       | Inside   | 3543.00    |                               |
| Bullnose         | 3.00        |            |          | 3546.00    | 43.00 Bottom Packers & Anchor |

**Total Tool Length: 64.00**



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Thomason Petroleum Inc

**Pekarek #1**

PO Box 875  
Hays KS 67601

**15 9S 19W Rooks KS**

Job Ticket: 27491

**DST#: 1**

ATTN: Clayton Comozzi

Test Start: 2007.01.31 @ 05:45:38

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

24 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.80 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2800.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

| Length<br>ft | Description    | Volume<br>bbl |
|--------------|----------------|---------------|
| 30.00        | MO 80%O 20%M   | 0.148         |
| 60.00        | MCO 50%O 50%M  | 0.851         |
| 60.00        | HOCM 30%O 70%M | 0.851         |

Total Length: 150.00 ft

Total Volume: 1.850 bbl

Num Fluid Samples: 0

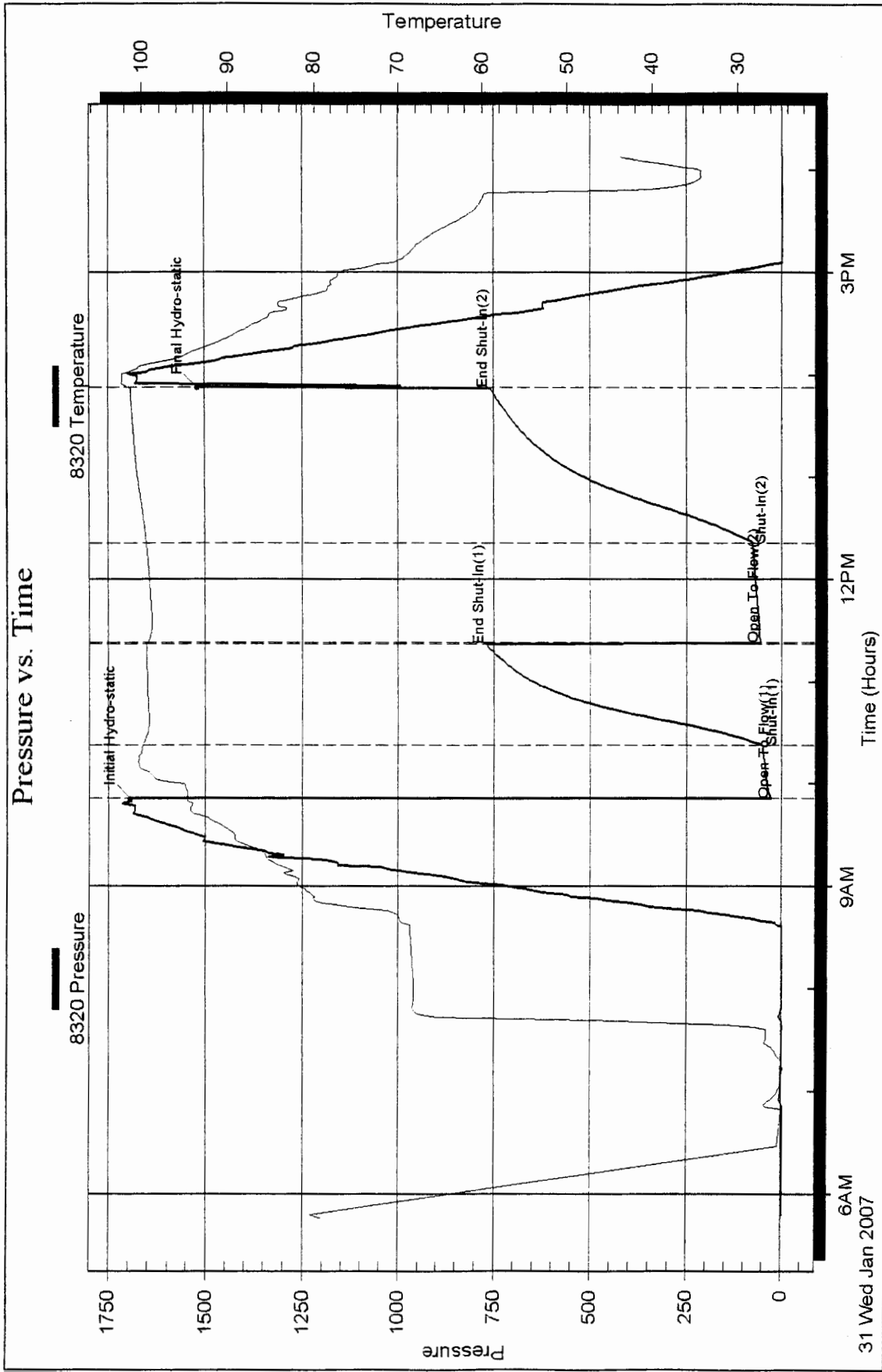
Num Gas Bombs: 0

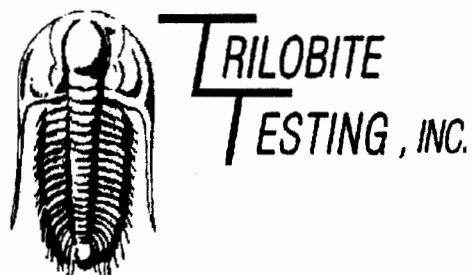
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





## DRILL STEM TEST REPORT

Prepared For: **Thomason Petroleum Inc**

PO Box 875  
Hays KS 67601

ATTN: Clayton Comozzi

**15 9S 19W Rooks KS**

**Pekarek #1**

Start Date: 2007.02.01 @ 01:15:59

End Date: 2007.02.01 @ 09:17:08

Job Ticket #: 27492                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Thomason Petroleum Inc

PO Box 875  
Hays KS 67601

ATTN: Clayton Comozzi

**Pekarek #1**

**15 9S 19W Rooks KS**

Job Ticket: 27492

**DST#: 2**

Test Start: 2007.02.01 @ 01:15:59

### GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:52:09

Time Test Ended: 09:17:08

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 21

Interval: **3548.00 ft (KB) To 3557.00 ft (KB) (TVD)**

Total Depth: 3557.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2108.00 ft (KB)

2103.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8320**

**Inside**

Press@RunDepth: 1023.10 psig @ 3549.00 ft (KB)

Start Date: 2007.02.01

End Date: 2007.02.01

Start Time: 01:16:01

End Time: 09:17:09

Capacity: 7000.00 psig

Last Calib.: 2007.02.01

Time On Btm: 2007.02.01 @ 03:50:59

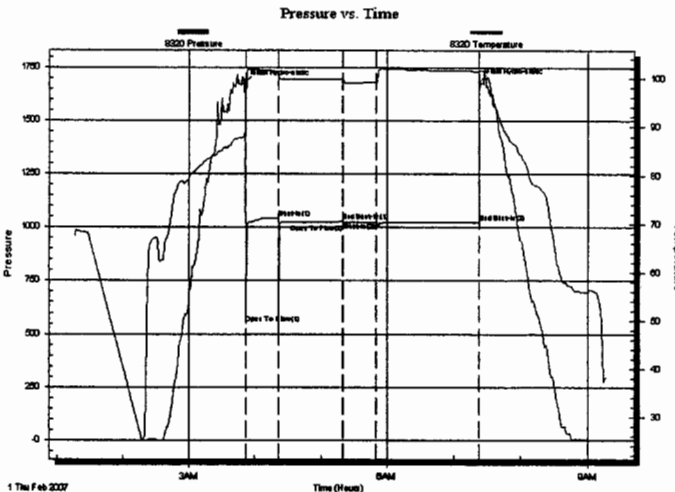
Time Off Btm: 2007.02.01 @ 07:22:29

TEST COMMENT: IFP BOB in 1.5 min

ISI Weak surface blow back throughout

FFP Weak blow built to 2" died to 1/2" - suspect plugging

FSI No blow back



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1669.63         | 88.49        | Initial Hydro-static |
| 2           | 549.23          | 94.28        | Open To Flow (1)     |
| 30          | 1041.29         | 101.48       | Shut-In(1)           |
| 89          | 1026.34         | 99.80        | End Shut-In(1)       |
| 90          | 1014.09         | 99.70        | Open To Flow (2)     |
| 120         | 1023.10         | 99.26        | Shut-In(2)           |
| 212         | 1022.05         | 101.55       | End Shut-In(2)       |
| 212         | 1678.46         | 101.82       | Final Hydro-static   |

### Recovery

| Length (ft) | Description        | Volume (bbl) |
|-------------|--------------------|--------------|
| 140.00      | Mud w/ scum of Oil | 1.71         |
|             |                    |              |
|             |                    |              |
|             |                    |              |
|             |                    |              |
|             |                    |              |

### Gas Rates

|  | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
|--|----------------|-----------------|------------------|



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Thomason Petroleum Inc

**Pekarek #1**

PO Box 875  
Hays KS 67601

**15 9S 19W Rooks KS**

Job Ticket: 27492

**DST#: 2**

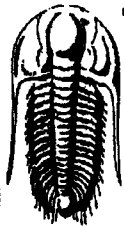
ATTN: Clayton Comozzi

Test Start: 2007.02.01 @ 01:15:59

### Tool Information

|                           |                    |                       |                         |                                    |
|---------------------------|--------------------|-----------------------|-------------------------|------------------------------------|
| Drill Pipe:               | Length: 3505.00 ft | Diameter: 3.82 inches | Volume: 49.68 bbl       | Tool Weight: 2200.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 2.25 inches | Volume: 0.00 bbl        | Weight set on Packer: 25000.00 lb  |
| Drill Collar:             | Length: 30.00 ft   | Diameter: 2.25 inches | Volume: 0.15 bbl        | Weight to Pull Loose: 40000.00 lb  |
|                           |                    |                       | Total Volume: 49.83 bbl | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 3.00 ft            |                       |                         | String Weight: Initial 36000.00 lb |
| Depth to Top Packer:      | 3548.00 ft         |                       |                         | Final 39000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                         |                                    |
| Interval between Packers: | 9.00 ft            |                       |                         |                                    |
| Tool Length:              | 25.00 ft           |                       |                         |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                         |                                    |
| Tool Comments:            |                    |                       |                         |                                    |

| Tool Description          | Length (ft)  | Serial No. | Position | Depth (ft) | Accum. Lengths             |
|---------------------------|--------------|------------|----------|------------|----------------------------|
| Change Over Sub           | 1.00         |            |          | 3533.00    |                            |
| Shut In Tool              | 5.00         |            |          | 3538.00    |                            |
| Hydraulic tool            | 5.00         |            |          | 3543.00    |                            |
| Packer                    | 5.00         |            |          | 3548.00    | 16.00 Bottom Of Top Packer |
| Stubb                     | 1.00         |            |          | 3549.00    |                            |
| Recorder                  | 0.00         | 8320       | Inside   | 3549.00    |                            |
| Perforations              | 5.00         |            |          | 3554.00    |                            |
| Recorder                  | 0.00         | 3351       | Inside   | 3554.00    |                            |
| Bullnose                  | 3.00         |            |          | 3557.00    | 9.00 Anchor Tool           |
| <b>Total Tool Length:</b> | <b>25.00</b> |            |          |            |                            |



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Thomason Petroleum Inc

**Pekarek #1**

PO Box 875  
Hays KS 67601

**15 9S 19W Rooks KS**

Job Ticket: 27492

**DST#: 2**

ATTN: Clayton Comozzi

Test Start: 2007.02.01 @ 01:15:59

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

| Length<br>ft | Description         | Volume<br>bbl |
|--------------|---------------------|---------------|
| 140.00       | Mud w / scum of Oil | 1.707         |

Total Length: 140.00 ft

Total Volume: 1.707 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time

