

**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Vincent Oil Corporation**

155 N Market Ste 700  
Wichita KS 67202

ATTN: Mike Engelbrecht

**29 29S 15W Pratt KS**

**Hirt Farms #2-29**

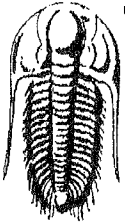
Start Date: 2006.08.04 @ 18:22:27

End Date: 2006.08.04 @ 23:43:57

Job Ticket #: 24955                      DST #: 1

**KCC**  
**OCT 16 2006**  
**CONFIDENTIAL**

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Vincent Oil Corporation

**Hirt Farms #2-29**

155 N Market Ste 700  
Wichita KS 67202

**29 29S 15W Pratt KS**

ATTN: Mike Engelbrecht

Job Ticket: 24955

**DST#: 1**

Test Start: 2006.08.04 @ 18:22:27

## GENERAL INFORMATION:

Formation: **Indian Cave**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:17:12

Time Test Ended: 23:43:57

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 23

Interval: **3035.00 ft (KB) To 3145.00 ft (KB) (TVD)**

Total Depth: 3145.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2015.00 ft (KB)

2010.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 6771**

Inside

Press@RunDepth: 45.01 psig @ 3036.00 ft (KB)

Start Date: 2006.08.04

End Date:

2006.08.04

Capacity: 7000.00 psig

Last Calib.: 2006.08.04

Start Time: 18:22:32

End Time:

23:43:56

Time On Btm: 2006.08.04 @ 20:15:42

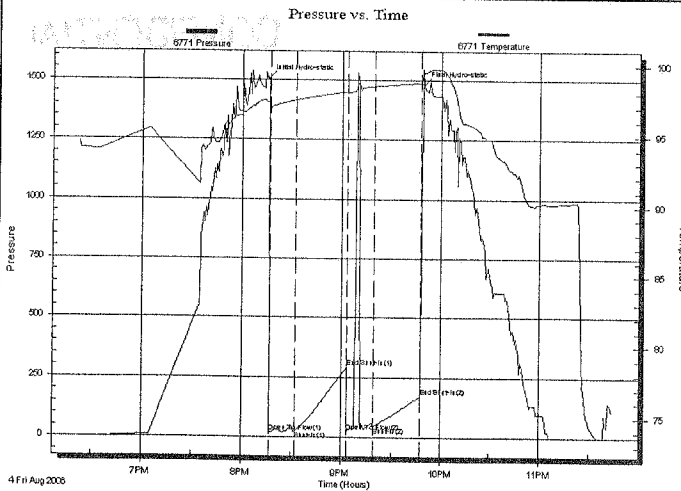
Time Off Btm: 2006.08.04 @ 21:49:27

TEST COMMENT: IF Weak blow (surface) Dead in 3 min

ISI No blow

FF No blow Flushed tool 6 - 7 min in to FFP

FSI No blow



## PRESSURE SUMMARY

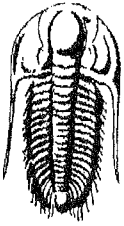
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1504.29         | 97.43        | Initial Hydro-static |
| 2           | 22.06           | 96.83        | Open To Flow (1)     |
| 17          | 25.55           | 97.54        | Shut-In(1)           |
| 48          | 291.26          | 98.15        | End Shut-In(1)       |
| 48          | 26.60           | 98.03        | Open To Flow (2)     |
| 64          | 45.01           | 98.53        | Shut-In(2)           |
| 93          | 172.90          | 98.79        | End Shut-In(2)       |
| 94          | 1480.08         | 99.49        | Final Hydro-static   |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 10.00       | Mud         | 0.05         |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Vincent Oil Corporation

**Hirt Farms #2-29**

155 N Market Ste 700  
Wichita KS 67202

**29 29S 15W Pratt KS**

Job Ticket: 24955

**DST#: 1**

ATTN: Mike Engelbrecht

Test Start: 2006.08.04 @ 18:22:27

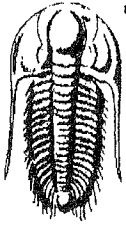
### Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 2798.00 ft | Diameter: 3.80 inches | Volume: 39.25 bbl              | Tool Weight: 2100.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 20000.00 lb  |
| Drill Collar:             | Length: 248.00 ft  | Diameter: 2.25 inches | Volume: 1.22 bbl               | Weight to Pull Loose: 60000.00 lb  |
|                           |                    |                       | <u>Total Volume: 40.47 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 31.00 ft           |                       |                                | String Weight: Initial 48000.00 lb |
| Depth to Top Packer:      | 3035.00 ft         |                       |                                | Final 50000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 110.00 ft          |                       |                                |                                    |
| Tool Length:              | 130.00 ft          |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

### Tool Description

| Tool Description          | Length (ft)   | Serial No. | Position | Depth (ft) | Accum. Lengths                 |
|---------------------------|---------------|------------|----------|------------|--------------------------------|
| Change Over Sub           | 1.00          |            |          | 3016.00    |                                |
| Shut In Tool              | 5.00          |            |          | 3021.00    |                                |
| Hydraulic tool            | 5.00          |            |          | 3026.00    |                                |
| Packer                    | 4.00          |            |          | 3030.00    | 20.00 Bottom Of Top Packer     |
| Packer                    | 5.00          |            |          | 3035.00    |                                |
| Stubb                     | 1.00          |            |          | 3036.00    |                                |
| Recorder                  | 0.00          | 6771       | Inside   | 3036.00    |                                |
| Perforations              | 9.00          |            |          | 3045.00    |                                |
| Change Over Sub           | 1.00          |            |          | 3046.00    |                                |
| Blank Spacing             | 93.00         |            |          | 3139.00    |                                |
| Change Over Sub           | 1.00          |            |          | 3140.00    |                                |
| Recorder                  | 0.00          | 13789      | Outside  | 3140.00    |                                |
| Bullnose                  | 5.00          |            |          | 3145.00    | 110.00 Bottom Packers & Anchor |
| <b>Total Tool Length:</b> | <b>130.00</b> |            |          |            |                                |



**TRILOBITE**  
TESTING, INC.

## DRILL STEM TEST REPORT

FLUID SUMMARY

Vincent Oil Corporation

Hirt Farms #2-29

155 N Market Ste 700  
Wichita KS 67202

29 29S 15W Pratt KS

Job Ticket: 24955

DST#: 1

ATTN: Mike Engelbrecht

Test Start: 2006.08.04 @ 18:22:27

### 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:

40000 ppm

Viscosity: 29.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 36.60 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 40000.00 ppm

Filter Cake: 0.20 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description | Volume<br>bbl |
|--------------|-------------|---------------|
| 10.00        | Mud         | 0.049         |

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

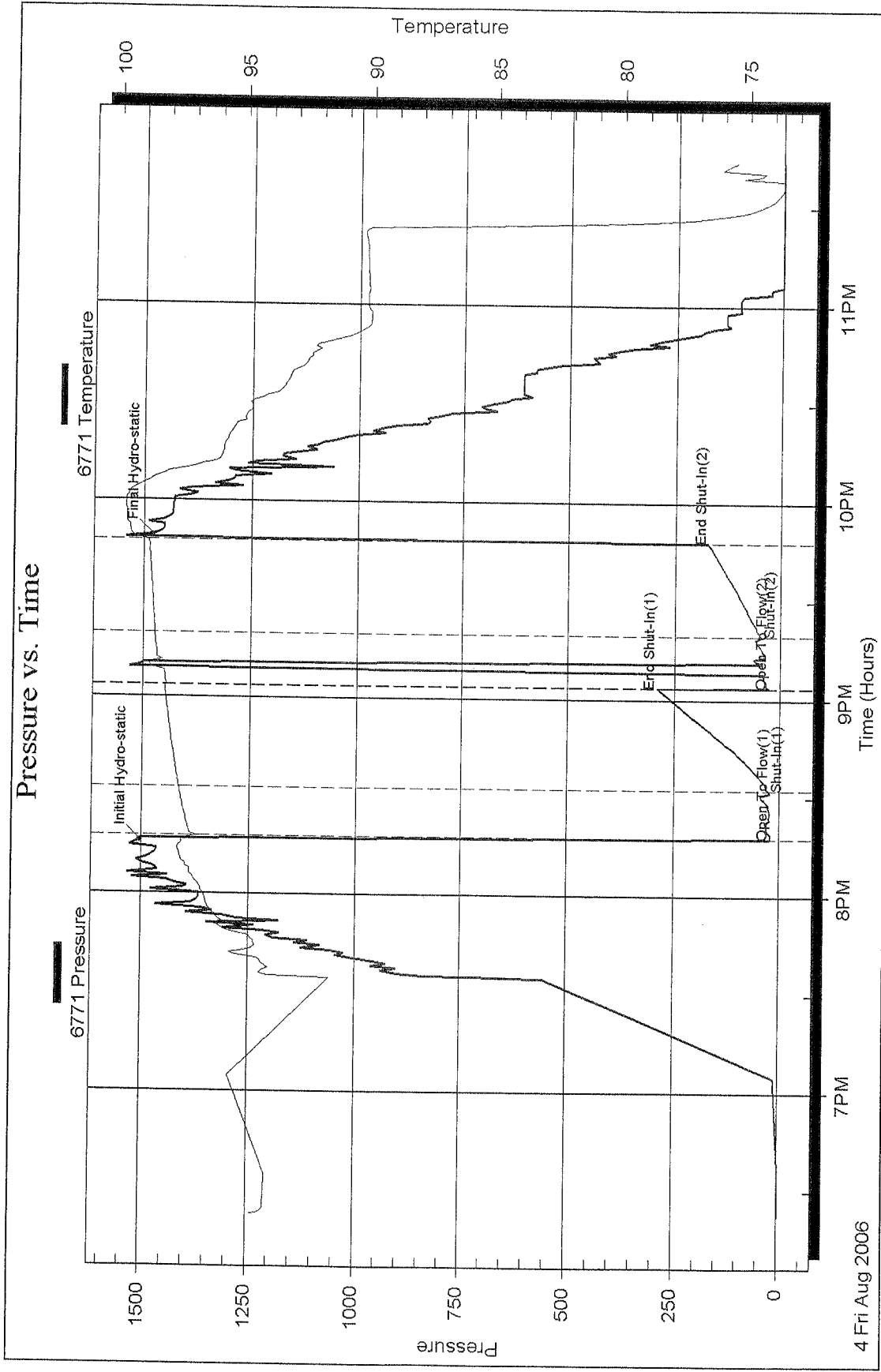
Num Gas Bombs: 0

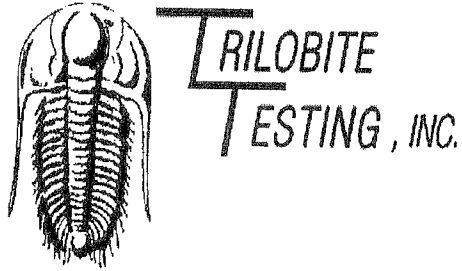
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:





## DRILL STEM TEST REPORT

Prepared For: **Vincent Oil Corporation**

155 N Market Ste 700  
Wichita KS 67202

ATTN: Mike Engelbrecht

**29 29S 15W Pratt KS**

**Hirt Farms #2-29**

Start Date: 2006.08.06 @ 16:18:07

End Date: 2006.08.07 @ 00:29:37

Job Ticket #: 24956                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Vincent Oil Corporation

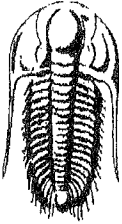
Hirt Farms #2-29

29 29S 15W Pratt KS

DST # 2

Lans. B

2006.08.06



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Vincent Oil Corporation  
155 N Market Ste 700  
Wichita KS 67202  
ATTN: Mike Engelbrecht

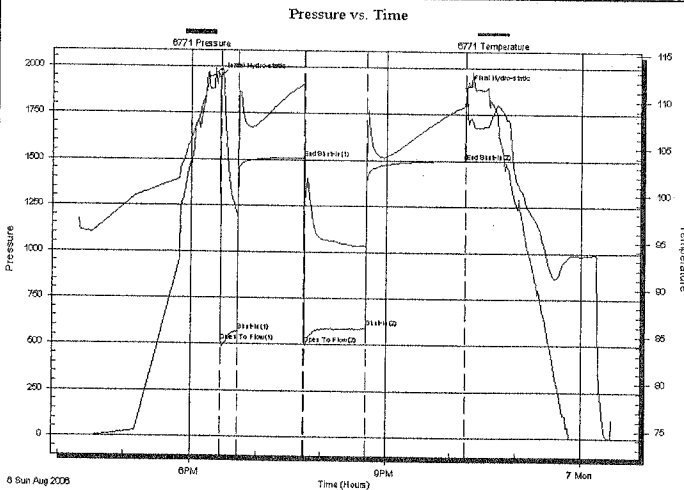
**Hirt Farms #2-29**  
**29 29S 15W Pratt KS**  
Job Ticket: 24956      **DST#: 2**  
Test Start: 2006.08.06 @ 16:18:07

## GENERAL INFORMATION:

Formation: **Lans. B**  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 18:27:37  
Time Test Ended: 00:29:37  
Interval: **4106.00 ft (KB) To 4144.00 ft (KB) (TVD)**  
Total Depth: 4144.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches      Hole Condition: Poor  
Test Type: Conventional Bottom Hole  
Tester: Gary Pevoteaux  
Unit No: 23  
Reference Elevations: 2015.00 ft (KB)  
2010.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 6771      Inside**  
Press@RunDepth: 593.95 psig @ 4107.00 ft (KB)      Capacity: 7000.00 psig  
Start Date: 2006.08.06      End Date: 2006.08.07      Last Calib.: 2006.08.07  
Start Time: 16:18:12      End Time: 00:29:36      Time On Btm: 2006.08.06 @ 18:26:37  
Time Off Btm: 2006.08.06 @ 22:14:06

**TEST COMMENT:** IF Strong blow GTS in 2 min (see gas flow report)  
ISI No blow  
FF Strong blow (see gas flow report)  
FSI No blow



## PRESSURE SUMMARY

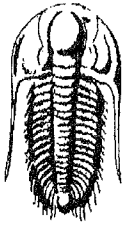
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1942.26         | 113.21       | Initial Hydro-static |
| 1           | 510.91          | 113.25       | Open To Flow (1)     |
| 17          | 570.99          | 97.66        | Shut-In(1)           |
| 77          | 1510.18         | 111.78       | End Shut-In(1)       |
| 78          | 503.31          | 99.53        | Open To Flow (2)     |
| 135         | 593.95          | 94.58        | Shut-In(2)           |
| 227         | 1499.00         | 109.56       | End Shut-In(2)       |
| 228         | 1893.24         | 111.05       | Final Hydro-static   |

## Recovery

| Length (ft) | Description  | Volume (bbl) |
|-------------|--------------|--------------|
| 125.00      | GCM 8%G 92%M | 0.61         |
|             |              |              |
|             |              |              |
|             |              |              |
|             |              |              |

## Gas Rates

|                | Choke (Inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|----------------|-----------------|------------------|
| First Gas Rate | 1.00           | 86.00           | 2886.38          |
| Last Gas Rate  | 1.00           | 100.00          | 3288.86          |
| Max. Gas Rate  | 1.00           | 100.00          | 3288.86          |



**TRILOBITE  
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## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Vincent Oil Corporation

**Hirt Farms #2-29**

155 N Market Ste 700  
Wichita KS 67202

**29 29S 15W Pratt KS**

Job Ticket: 24956

**DST#: 2**

ATTN: Mike Engelbrecht

Test Start: 2006.08.06 @ 16:18:07

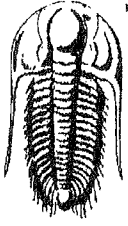
### Tool Information

|                           |                    |                         |                   |                                    |
|---------------------------|--------------------|-------------------------|-------------------|------------------------------------|
| Drill Pipe:               | Length: 3863.00 ft | Diameter: 3.80 inches   | Volume: 54.19 bbl | Tool Weight: 2100.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches   | Volume: 0.00 bbl  | Weight set on Packer: 22000.00 lb  |
| Drill Collar:             | Length: 248.00 ft  | Diameter: 2.25 inches   | Volume: 1.22 bbl  | Weight to Pull Loose: 61000.00 lb  |
|                           |                    | Total Volume: 55.41 bbl |                   | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 25.00 ft           |                         |                   | String Weight: Initial 54000.00 lb |
| Depth to Top Packer:      | 4106.00 ft         |                         |                   | Final 55000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                         |                   |                                    |
| Interval between Packers: | 38.00 ft           |                         |                   |                                    |
| Tool Length:              | 58.00 ft           |                         |                   |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches   |                   |                                    |

Tool Comments:

### Tool Description

| Tool Description          | Length (ft)  | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|---------------------------|--------------|------------|----------|------------|-------------------------------|
| Change Over Sub           | 1.00         |            |          | 4087.00    |                               |
| Shut In Tool              | 5.00         |            |          | 4092.00    |                               |
| Hydraulic tool            | 5.00         |            |          | 4097.00    |                               |
| Packer                    | 4.00         |            |          | 4101.00    | 20.00 Bottom Of Top Packer    |
| Packer                    | 5.00         |            |          | 4106.00    |                               |
| Stubb                     | 1.00         |            |          | 4107.00    |                               |
| Recorder                  | 0.00         | 6771       | Inside   | 4107.00    |                               |
| Perforations              | 32.00        |            |          | 4139.00    |                               |
| Recorder                  | 0.00         | 13222      | Outside  | 4139.00    |                               |
| Bullnose                  | 5.00         |            |          | 4144.00    | 38.00 Bottom Packers & Anchor |
| <b>Total Tool Length:</b> | <b>58.00</b> |            |          |            |                               |



**TRILOBITE  
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## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Vincent Oil Corporation

**Hirt Farms #2-29**

155 N Market Ste 700  
Wichita KS 67202

**29 29S 15W Pratt KS**

Job Ticket: 24956

**DST#: 2**

ATTN: Mike Engelbrecht

Test Start: 2006.08.06 @ 16:18:07

### 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:

4000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.17 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description  | Volume<br>bbf |
|--------------|--------------|---------------|
| 125.00       | GCM 8%G 92%M | 0.615         |

Total Length: 125.00 ft

Total Volume: 0.615 bbf

Num Fluid Samples: 0

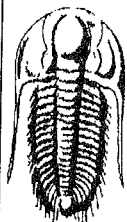
Num Gas Bombs: 1

Serial #: gp-2

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

Vincent Oil Corporation

**Hirt Farms #2-29**

155 N Market Ste 700  
Wichita KS 67202

**29 29S 15W Pratt KS**

ATTN: Mike Engelbrecht

Job Ticket: 24956

**DST#: 2**

Test Start: 2006.08.06 @ 16:18:07

### Gas Rates Information

Temperature: 59 deg C  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

| Flow Period | Elapsed Time | Choke (mm) | Pressure (kPaa) | Gas Rate (m <sup>3</sup> /d) |
|-------------|--------------|------------|-----------------|------------------------------|
| 1           | 10           | 1.00       | 86.00           | 2886.38                      |
| 1           | 10           | 1.00       | 86.00           | 2886.38                      |
| 1           | 15           | 1.00       | 90.00           | 3001.38                      |
| 2           | 10           | 1.00       | 88.00           | 2943.88                      |
| 2           | 20           | 1.00       | 97.00           | 3202.62                      |
| 2           | 30           | 1.00       | 100.00          | 3288.86                      |
| 2           | 40           | 1.00       | 100.00          | 3288.86                      |
| 2           | 50           | 1.00       | 100.00          | 3288.86                      |

Serial #: 6771

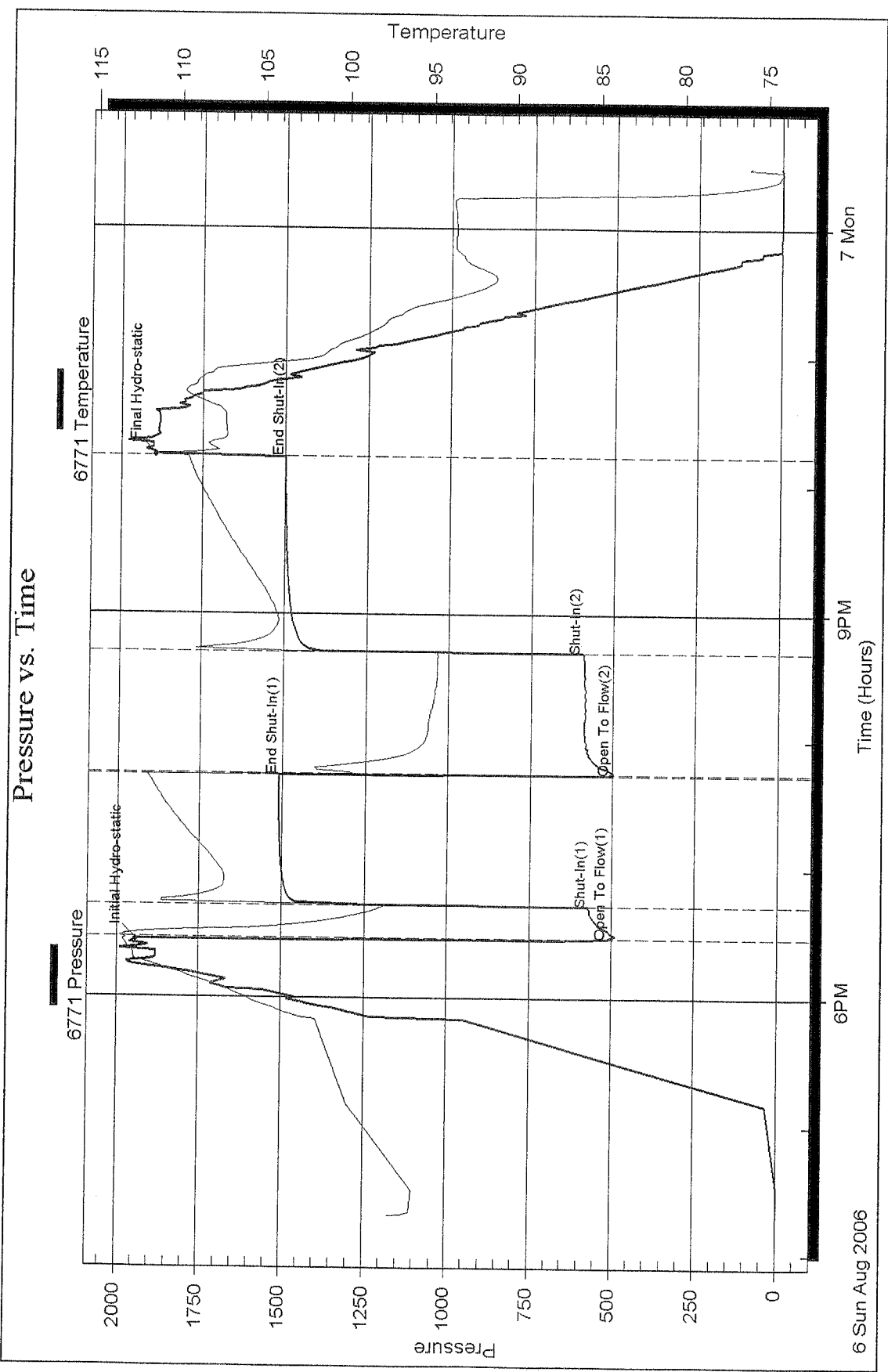
Inside

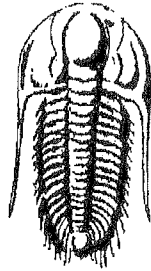
Vincent Oil Corporation

29 29S 15W Pratt KS

DST Test Number: 2

### Pressure vs. Time





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

## DRILL STEM TEST REPORT

Prepared For: **Vincent Oil Corporation**

155 N Market Ste 700  
Wichita KS 67202

ATTN: Mike Engelbrecht

**29 29S 15W Pratt KS**

**Hirt Farms #2-29**

Start Date: 2006.08.07 @ 16:21:09

End Date: 2006.08.08 @ 00:34:24

Job Ticket #: 24957                      DST #: 3

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Vincent Oil Corporation

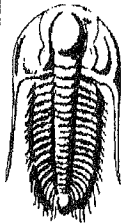
Hirt Farms #2-29

29 29S 15W Pratt KS

DST # 3

Swope

2006.08.07



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Vincent Oil Corporation

155 N Market Ste 700  
Wichita KS 67202

ATTN: Mike Engelbrecht

**Hirt Farms #2-29**

**29 29S 15W Pratt KS**

Job Ticket: 24957

**DST#: 3**

Test Start: 2006.08.07 @ 16:21:09

## GENERAL INFORMATION:

Formation: **Swope**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:36:54

Time Test Ended: 00:34:24

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 23

Interval: **4356.00 ft (KB) To 4369.00 ft (KB) (TVD)**

Total Depth: 4369.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2015.00 ft (KB)

2010.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 6771** Inside

Press@RunDepth: 232.12 psig @ 4347.00 ft (KB)

Start Date: 2006.08.07

End Date: 2006.08.08

Capacity: 7000.00 psig

Start Time: 16:21:14

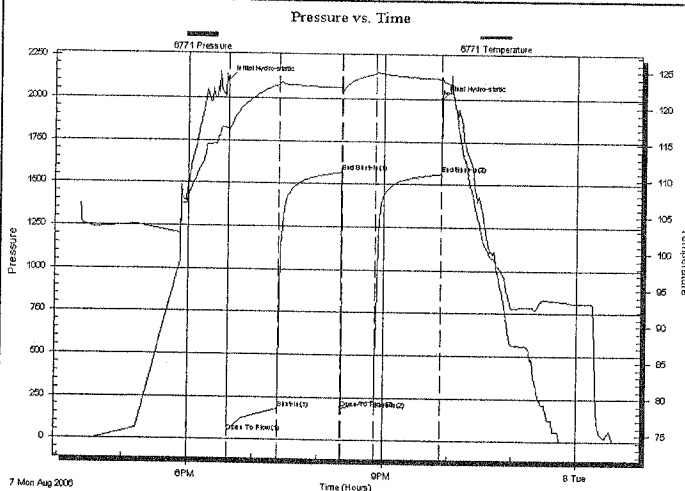
End Time: 00:34:23

Last Calib.: 2006.08.08

Time On Btm: 2006.08.07 @ 18:36:39

Time Off Btm: 2006.08.07 @ 21:53:23

**TEST COMMENT:** IF Weak to fair blow Slow increase to 11"  
ISI No blow  
FF Weak blow Slow increase to 5"  
FSI No blow



## PRESSURE SUMMARY

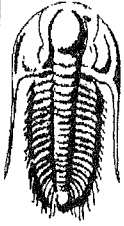
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2107.05         | 117.07       | Initial Hydro-static |
| 1           | 42.99           | 116.17       | Open To Flow (1)     |
| 47          | 181.51          | 123.09       | Shut-In (1)          |
| 105         | 1566.94         | 122.78       | End Shut-In (1)      |
| 105         | 185.70          | 121.94       | Open To Flow (2)     |
| 135         | 232.12          | 124.71       | Shut-In (2)          |
| 197         | 1561.71         | 124.04       | End Shut-In (2)      |
| 197         | 2002.38         | 124.24       | Final Hydro-static   |

## Recovery

| Length (ft) | Description                | Volume (bbl) |
|-------------|----------------------------|--------------|
| 248.00      | SW Rw .05 OHMS @ 88 deg.   | 1.22         |
| 209.00      | MW w/few O specs 22%M 78%W | 2.93         |
| 1.00        | Clean Oil Trace of GIP     | 0.01         |
|             |                            |              |
|             |                            |              |

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Vincent Oil Corporation

**Hirt Farms #2-29**

155 N Market Ste 700  
Wichita KS 67202

**29 29S 15W Pratt KS**

Job Ticket: 24957

**DST#: 3**

ATTN: Mike Engelbrecht

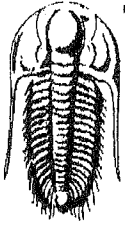
Test Start: 2006.08.07 @ 16:21:09

### Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 4107.00 ft | Diameter: 3.80 inches | Volume: 57.61 bbl              | Tool Weight: 2100.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 30000.00 lb  |
| Drill Collar:             | Length: 248.00 ft  | Diameter: 2.25 inches | Volume: 1.22 bbl               | Weight to Pull Loose: 71000.00 lb  |
|                           |                    |                       | <u>Total Volume: 58.83 bbl</u> | Tool Chased 7.00 ft                |
| Drill Pipe Above KB:      | 29.00 ft           |                       |                                | String Weight: Initial 56000.00 lb |
| Depth to Top Packer:      | 4346.00 ft         |                       |                                | Final 60000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 23.00 ft           |                       |                                |                                    |
| Tool Length:              | 43.00 ft           |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |
| Tool Comments:            |                    |                       |                                |                                    |

### Tool Description

| Tool Description          | Length (ft)  | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|---------------------------|--------------|------------|----------|------------|-------------------------------|
| Change Over Sub           | 1.00         |            |          | 4327.00    |                               |
| Shut In Tool              | 5.00         |            |          | 4332.00    |                               |
| Hydraulic tool            | 5.00         |            |          | 4337.00    |                               |
| Packer                    | 4.00         |            |          | 4341.00    | 20.00 Bottom Of Top Packer    |
| Packer                    | 5.00         |            |          | 4346.00    |                               |
| Stubb                     | 1.00         |            |          | 4347.00    |                               |
| Recorder                  | 0.00         | 6771       | Inside   | 4347.00    |                               |
| Perforations              | 17.00        |            |          | 4364.00    |                               |
| Recorder                  | 0.00         | 13789      | Outside  | 4364.00    |                               |
| Bullhose                  | 5.00         |            |          | 4369.00    | 23.00 Bottom Packers & Anchor |
| <b>Total Tool Length:</b> | <b>43.00</b> |            |          |            |                               |



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Vincent Oil Corporation

**Hirt Farms #2-29**

155 N Market Ste 700  
Wichita KS 67202

**29 29S 15W Pratt KS**

ATTN: Mike Engelbrecht

Job Ticket: 24957

**DST#: 3**

Test Start: 2006.08.07 @ 16:21:09

**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: | 125000 ppm |
| Viscosity: 46.00 sec/qt          | Cushion Volume: bbl        |                 |            |
| Water Loss: 7.18 in <sup>3</sup> | Gas Cushion Type:          |                 |            |
| Resistivity: 0.00 ohm.m          | Gas Cushion Pressure: psig |                 |            |
| Salinity: 5000.00 ppm            |                            |                 |            |
| Filter Cake: 0.20 inches         |                            |                 |            |

**Recovery Information**

Recovery Table

| Length<br>ft | Description                | Volume<br>bbl |
|--------------|----------------------------|---------------|
| 248.00       | SW Rw .05 OHMS @ 88 deg.   | 1.220         |
| 209.00       | MW w/few O specs 22%M 78%W | 2.932         |
| 1.00         | Clean Oil Trace of GIP     | 0.014         |

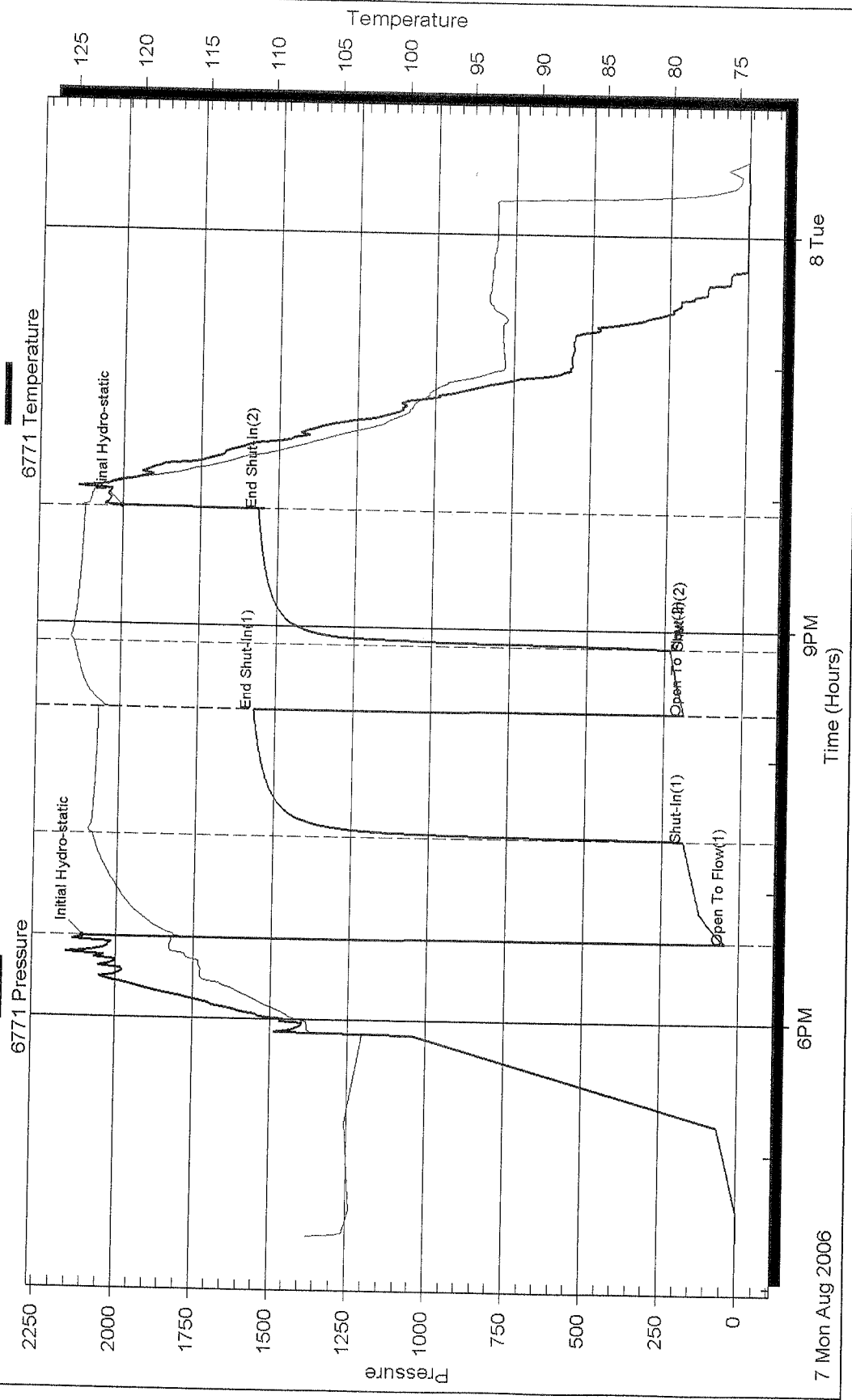
Total Length: 458.00 ft      Total Volume: 4.166 bbl

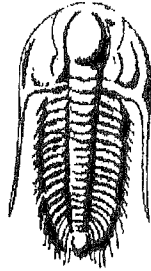
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #: none

Laboratory Name:      Laboratory Location:

Recovery Comments:

# Pressure vs. Time





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Vincent Oil Corporation**

155 N Market Ste 700  
Wichita KS 67202

ATTN: Mike Engelbrecht

**29 29S 15W Pratt KS**

**Hirt Farms #2-29**

Start Date: 2006.08.09 @ 00:47:54

End Date: 2006.08.09 @ 09:26:54

Job Ticket #: 24958                      DST #: 4

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Vincent Oil Corporation

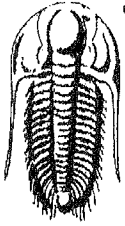
Hirt Farms #2-29

29 29S 15W Pratt KS

DST # 4

FS / Kinderhook

2006.08.09



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Vincent Oil Corporation

**Hirt Farms #2-29**

155 N Market Ste 700  
Wichita KS 67202

**29 29S 15W Pratt KS**

ATTN: Mike Engelbrecht

Job Ticket: 24958

**DST#: 4**

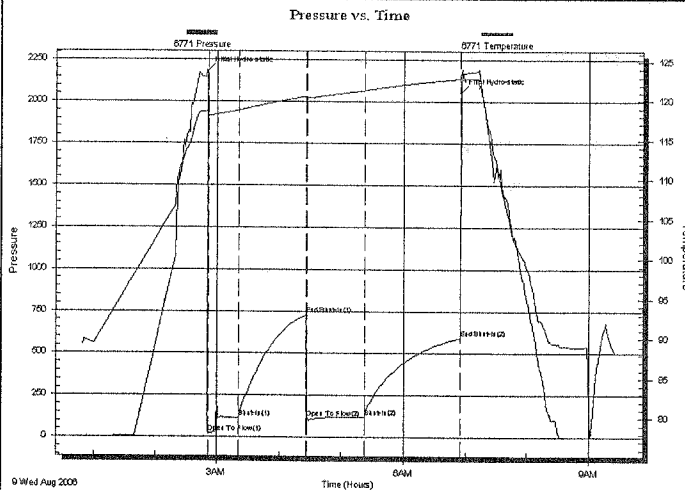
Test Start: 2006.08.09 @ 00:47:54

## GENERAL INFORMATION:

Formation: **FS / Kinderhook**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 02:51:24  
 Time Test Ended: 09:26:54  
 Interval: **4568.00 ft (KB) To 4634.00 ft (KB) (TVD)**  
 Total Depth: 4634.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Bottom Hole  
 Tester: Gary Pevoteaux  
 Unit No: 23  
 Reference Elevations: 2015.00 ft (KB)  
 2010.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 6771 Inside**  
 Press@RunDepth: 123.73 psig @ 4569.00 ft (KB) Capacity: 7000.00 psig  
 Start Date: 2006.08.09 End Date: 2006.08.09 Last Calib.: 2006.08.09  
 Start Time: 00:47:59 End Time: 09:26:54 Time On Btm: 2006.08.09 @ 02:50:39  
 Time Off Btm: 2006.08.09 @ 06:55:08

**TEST COMMENT:** IF Fair to strong blow BOB (10 ") in 4 min  
 ISI No blow  
 FF Strong blow BOB (10 ") in 2 min  
 FSI Weak blow 1 "



## PRESSURE SUMMARY

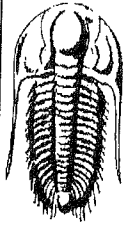
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2183.05         | 118.79       | Initial Hydro-static |
| 1           | 22.11           | 118.07       | Open To Flow (1)     |
| 31          | 116.77          | 118.79       | Shut-In (1)          |
| 96          | 728.09          | 120.59       | End Shut-In (1)      |
| 97          | 117.83          | 120.38       | Open To Flow (2)     |
| 152         | 123.73          | 121.32       | Shut-In (2)          |
| 245         | 591.90          | 122.85       | End Shut-In (2)      |
| 245         | 2057.60         | 123.76       | Final Hydro-static   |

## Recovery

| Length (ft) | Description                | Volume (bbl) |
|-------------|----------------------------|--------------|
| 124.00      | HOCM 30%O 70%M             | 0.61         |
| 124.00      | GOCM 18%G 20%O 68%M        | 0.61         |
| 30.00       | GOCM 6%G 7%O 87%M 558' GIP | 0.42         |
|             |                            |              |
|             |                            |              |

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Vincent Oil Corporation

**Hirt Farms #2-29**

155 N Market Ste 700  
Wichita KS 67202

**29 29S 15W Pratt KS**

Job Ticket: 24958

**DST#: 4**

ATTN: Mike Engelbrecht

Test Start: 2006.08.09 @ 00:47:54

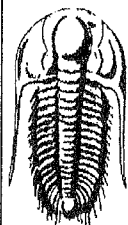
### Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 4325.00 ft | Diameter: 3.80 inches | Volume: 60.67 bbl              | Tool Weight: 2100.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 24000.00 lb  |
| Drill Collar:             | Length: 248.00 ft  | Diameter: 2.25 inches | Volume: 1.22 bbl               | Weight to Pull Loose: 70000.00 lb  |
|                           |                    |                       | <u>Total Volume: 61.89 bbl</u> | Tool Chased 2.00 ft                |
| Drill Pipe Above KB:      | 25.00 ft           |                       |                                | String Weight: Initial 60000.00 lb |
| Depth to Top Packer:      | 4568.00 ft         |                       |                                | Final 61000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 66.00 ft           |                       |                                |                                    |
| Tool Length:              | 86.00 ft           |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

### Tool Description

| Tool Description          | Length (ft)  | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|---------------------------|--------------|------------|----------|------------|-------------------------------|
| Change Over Sub           | 1.00         |            |          | 4549.00    |                               |
| Shut In Tool              | 5.00         |            |          | 4554.00    |                               |
| Hydraulic tool            | 5.00         |            |          | 4559.00    |                               |
| Packer                    | 4.00         |            |          | 4563.00    | 20.00 Bottom Of Top Packer    |
| Packer                    | 5.00         |            |          | 4568.00    |                               |
| Stubb                     | 1.00         |            |          | 4569.00    |                               |
| Recorder                  | 0.00         | 6771       | Inside   | 4569.00    |                               |
| Perforations              | 5.00         |            |          | 4574.00    |                               |
| Change Over Sub           | 1.00         |            |          | 4575.00    |                               |
| Blank Spacing             | 31.00        |            |          | 4606.00    |                               |
| Change Over Sub           | 1.00         |            |          | 4607.00    |                               |
| Perforations              | 22.00        |            |          | 4629.00    |                               |
| Recorder                  | 0.00         | 13789      | Outside  | 4629.00    |                               |
| Bullnose                  | 5.00         |            |          | 4634.00    | 66.00 Bottom Packers & Anchor |
| <b>Total Tool Length:</b> | <b>86.00</b> |            |          |            |                               |



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Vincent Oil Corporation

**Hirt Farms #2-29**

155 N Market Ste 700  
Wichita KS 67202

**29 29S 15W Pratt KS**

Job Ticket: 24958

**DST#: 4**

ATTN: Mike Engelbrecht

Test Start: 2006.08.09 @ 00:47:54

### 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:

8000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.77 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 0.20 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description                | Volume<br>bbl |
|--------------|----------------------------|---------------|
| 124.00       | HOCM 30%O 70%M             | 0.610         |
| 124.00       | GOCM 18%G 20%O 68%M        | 0.610         |
| 30.00        | GOCM 6%G 7%O 87%M 558' GIP | 0.421         |

Total Length: 278.00 ft

Total Volume: 1.641 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

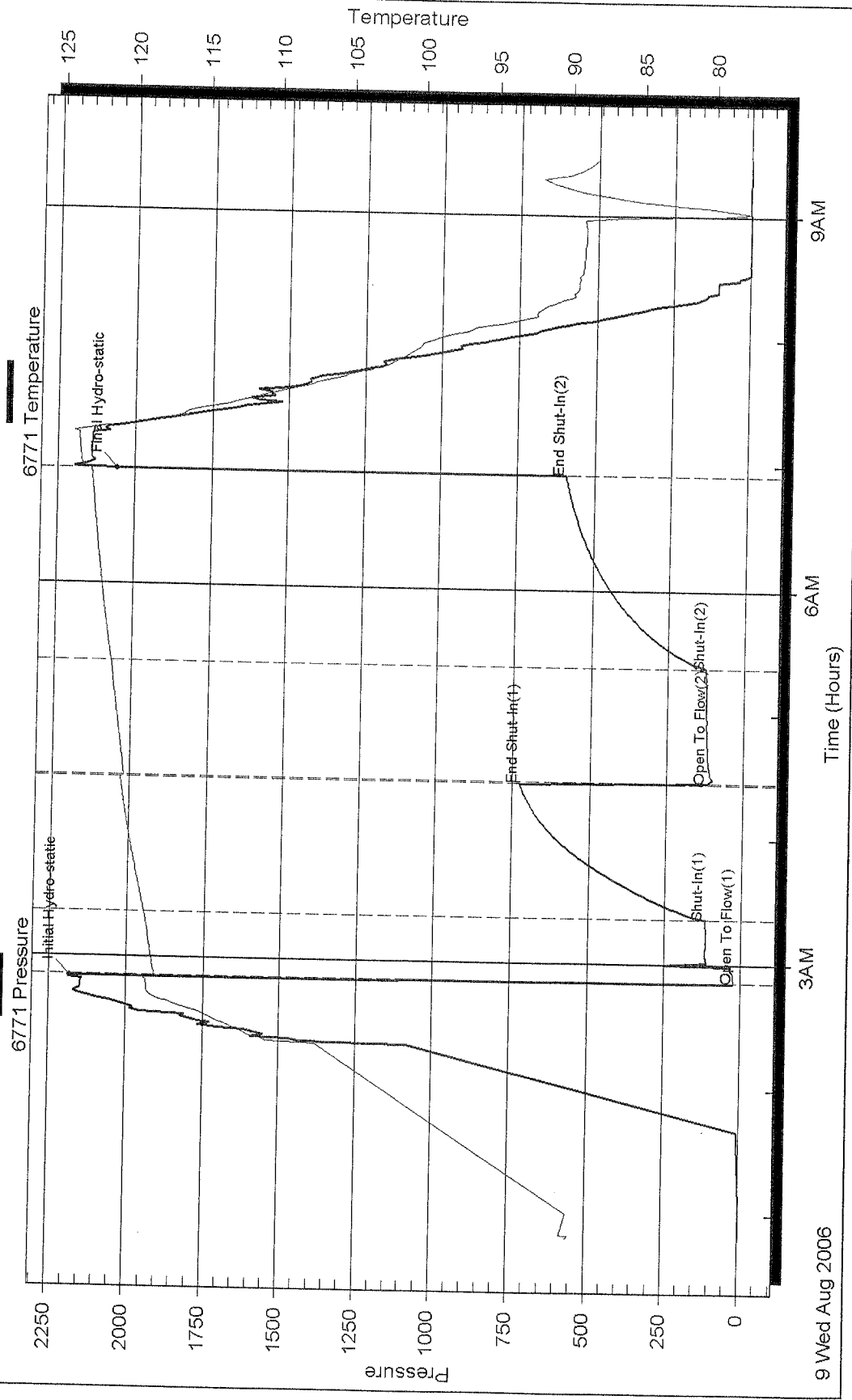
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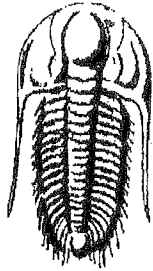
Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





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

## DRILL STEM TEST REPORT

Prepared For: **Vincent Oil Corporation**

155 N Market Ste 700  
Wichita KS 67202

ATTN: Mike Engelbrecht

**29 29S 15W Pratt KS**

**Hirt Farms #2-29**

Start Date: 2006.08.09 @ 22:13:16

End Date: 2006.08.10 @ 03:51:01

Job Ticket #: 24959                      DST #: 5

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Vincent Oil Corporation

Hirt Farms #2-29

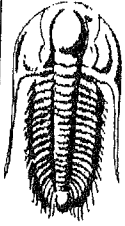
29 29S 15W Pratt KS

DST # 5

Viola

2006.08.09





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Vincent Oil Corporation

**Hirt Farms #2-29**

155 N Market Ste 700  
Wichita KS 67202

**29 29S 15W Pratt KS**

Job Ticket: 24959

**DST#: 5**

ATTN: Mike Engelbrecht

Test Start: 2006.08.09 @ 22:13:16

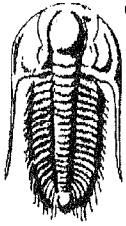
### Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 4417.00 ft | Diameter: 3.80 inches | Volume: 61.96 bbl              | Tool Weight: 2100.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 22000.00 lb  |
| Drill Collar:             | Length: 248.00 ft  | Diameter: 2.25 inches | Volume: 1.22 bbl               | Weight to Pull Loose: 70000.00 lb  |
|                           |                    |                       | <u>Total Volume: 63.18 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 5.00 ft            |                       |                                | String Weight: Initial 60000.00 lb |
| Depth to Top Packer:      | 4680.00 ft         |                       |                                | Final 60000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 40.00 ft           |                       |                                |                                    |
| Tool Length:              | 60.00 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         |            |          | 4661.00    |                               |
| Shut In Tool              | 5.00         |            |          | 4666.00    |                               |
| Hydraulic tool            | 5.00         |            |          | 4671.00    |                               |
| Packer                    | 4.00         |            |          | 4675.00    | 20.00 Bottom Of Top Packer    |
| Packer                    | 5.00         |            |          | 4680.00    |                               |
| Stubb                     | 1.00         |            |          | 4681.00    |                               |
| Recorder                  | 0.00         | 6771       | Inside   | 4681.00    |                               |
| Perforations              | 2.00         |            |          | 4683.00    |                               |
| Change Over Sub           | 1.00         |            |          | 4684.00    |                               |
| Blank Spacing             | 30.00        |            |          | 4714.00    |                               |
| Change Over Sub           | 1.00         |            |          | 4715.00    |                               |
| Recorder                  | 0.00         | 13789      | Outside  | 4715.00    |                               |
| Bullnose                  | 5.00         |            |          | 4720.00    | 40.00 Bottom Packers & Anchor |
| <b>Total Tool Length:</b> | <b>60.00</b> |            |          |            |                               |



**TRILOBITE**  
TESTING, INC.

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Vincent Oil Corporation

**Hirt Farms #2-29**

155 N Market Ste 700  
Wichita KS 67202

**29 29S 15W Pratt KS**

Job Ticket: 24959

**DST#: 5**

ATTN: Mike Engelbrecht

Test Start: 2006.08.09 @ 22:13:16

### 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:

6000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description | Volume<br>bbl |
|--------------|-------------|---------------|
| 25.00        | Mud         | 0.123         |

Total Length:

25.00 ft

Total Volume:

0.123 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

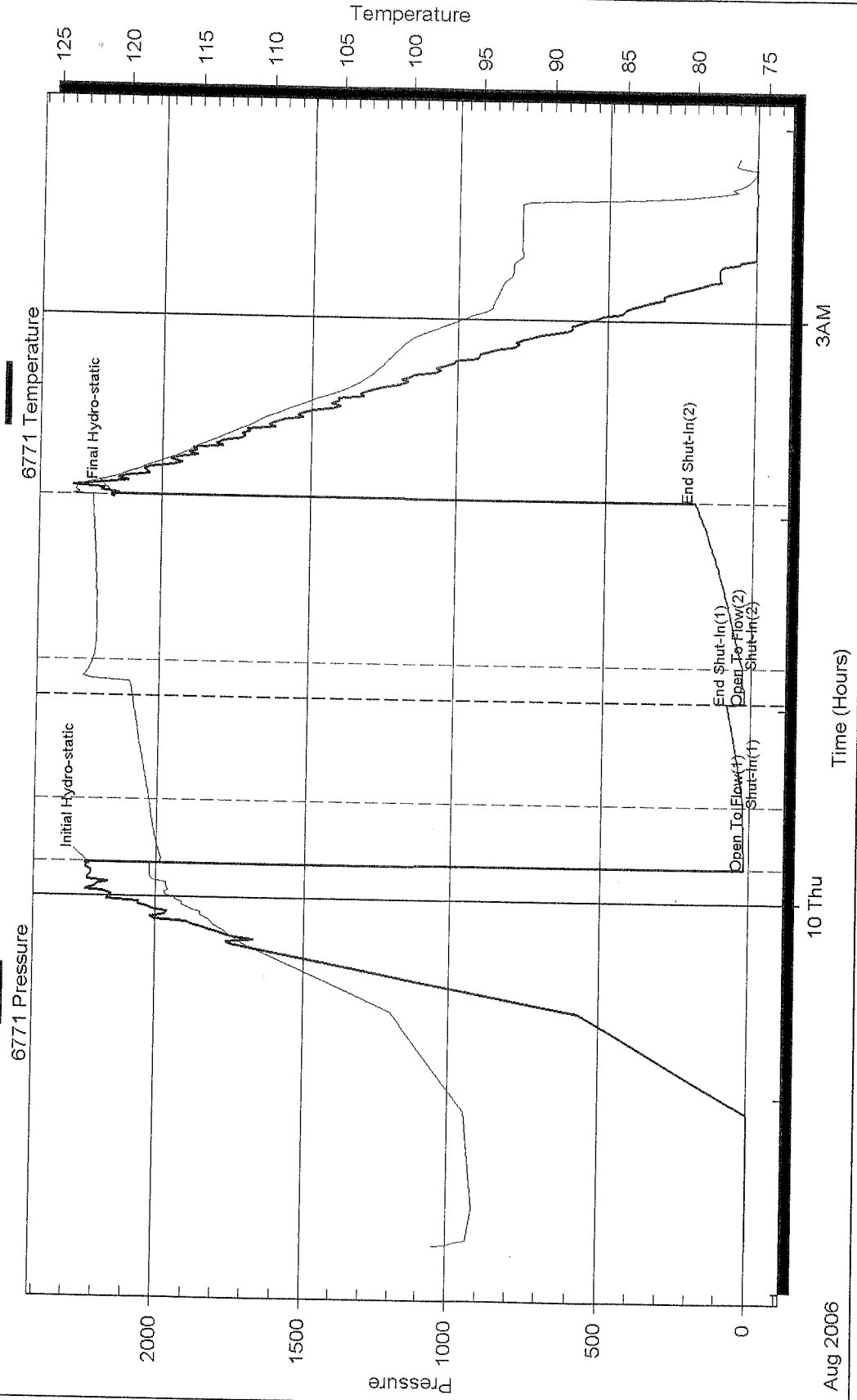
Serial #: none

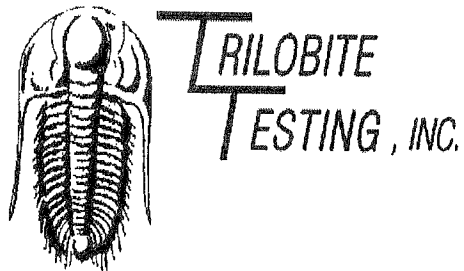
Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Vincent Oil Corporation**

155 N Market Ste 700  
Wichita KS 67202

ATTN: Mike Engelbrecht

**29 29S 15W Pratt KS**

**Hirt Farms #2-29**

Start Date: 2006.08.10 @ 18:22:22

End Date: 2006.08.11 @ 04:11:37

Job Ticket #: 24960                      DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Vincent Oil Corporation

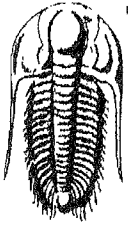
Hirt Farms #2-29

29 29S 15W Pratt KS

DST # 6

Simpson

2006.08.10



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Vincent Oil Corporation

155 N Market Ste 700  
Wichita KS 67202

ATTN: Mike Engelbrecht

**Hirt Farms #2-29**

**29 29S 15W Pratt KS**

Job Ticket: 24960

**DST#: 6**

Test Start: 2006.08.10 @ 18:22:22

## GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:51:52

Time Test Ended: 04:11:37

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 23

Interval: **4764.00 ft (KB) To 4806.00 ft (KB) (TVD)**

Total Depth: 4806.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2015.00 ft (KB)

2010.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 6771**

**Inside**

Press@RunDepth: 315.99 psig @ 4765.00 ft (KB)

Start Date: 2006.08.10

End Date:

2006.08.11

Capacity: 7000.00 psig

Last Calib.: 2006.08.11

Start Time: 18:22:27

End Time:

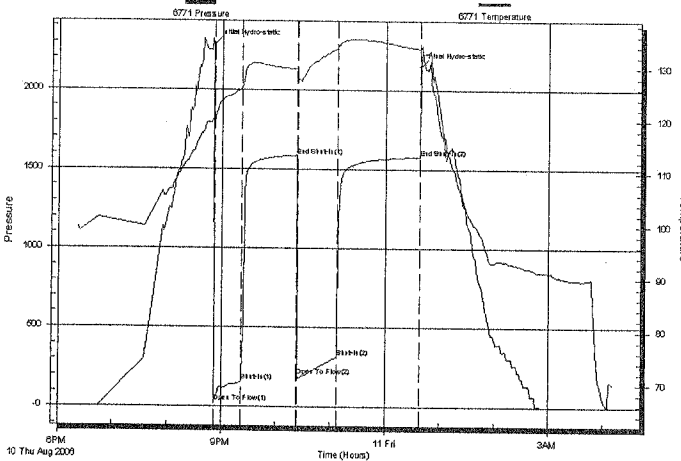
04:11:37

Time On Btm: 2006.08.10 @ 20:51:37

Time Off Btm: 2006.08.11 @ 00:38:36

**TEST COMMENT:** IF Strong blow BOB in 7 min  
ISI Strong blow BOB  
FF Strong blow BOB in 4 min  
FSI Strong blow BOB GTS during FSIP

Pressure vs. Time



## PRESSURE SUMMARY

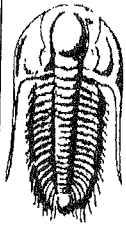
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2288.37         | 120.36       | Initial Hydro-static |
| 1           | 27.96           | 119.47       | Open To Flow (1)     |
| 31          | 156.29          | 126.19       | Shut-In(1)           |
| 92          | 1585.57         | 129.69       | End Shut-In(1)       |
| 92          | 191.41          | 129.00       | Open To Flow (2)     |
| 136         | 315.99          | 133.66       | Shut-In(2)           |
| 227         | 1577.81         | 133.58       | End Shut-In(2)       |
| 227         | 2145.08         | 133.75       | Final Hydro-static   |

## Recovery

| Length (ft) | Description         | Volume (bbl) |
|-------------|---------------------|--------------|
| 248.00      | GOCM 18%G 17%O 65%M | 1.22         |
| 122.00      | GMCO 36%G 22%M 42%O | 1.71         |
| 500.00      | CGO 21%G 79%O       | 7.01         |
|             |                     |              |
|             |                     |              |

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Vincent Oil Corporation

**Hirt Farms #2-29**

155 N Market Ste 700  
Wichita KS 67202

**29 29S 15W Pratt KS**

Job Ticket: 24960

**DST#: 6**

ATTN: Mike Engelbrecht

Test Start: 2006.08.10 @ 18:22:22

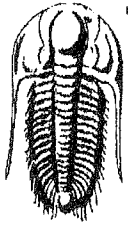
### Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 4512.00 ft | Diameter: 3.80 inches | Volume: 63.29 bbl              | Tool Weight: 2100.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 22000.00 lb  |
| Drill Collar:             | Length: 248.00 ft  | Diameter: 2.25 inches | Volume: 1.22 bbl               | Weight to Pull Loose: 71000.00 lb  |
|                           |                    |                       | <u>Total Volume: 64.51 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 16.00 ft           |                       |                                | String Weight: Initial 61000.00 lb |
| Depth to Top Packer:      | 4764.00 ft         |                       |                                | Final 63000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 42.00 ft           |                       |                                |                                    |
| Tool Length:              | 62.00 ft           |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

### Tool Description

| Tool Description          | Length (ft)  | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|---------------------------|--------------|------------|----------|------------|-------------------------------|
| Change Over Sub           | 1.00         |            |          | 4745.00    |                               |
| Shut In Tool              | 5.00         |            |          | 4750.00    |                               |
| Hydraulic tool            | 5.00         |            |          | 4755.00    |                               |
| Packer                    | 4.00         |            |          | 4759.00    | 20.00 Bottom Of Top Packer    |
| Packer                    | 5.00         |            |          | 4764.00    |                               |
| Stubb                     | 1.00         |            |          | 4765.00    |                               |
| Recorder                  | 0.00         | 6771       | Inside   | 4765.00    |                               |
| Perforations              | 4.00         |            |          | 4769.00    |                               |
| Change Over Sub           | 1.00         |            |          | 4770.00    |                               |
| Blank Spacing             | 30.00        |            |          | 4800.00    |                               |
| Change Over Sub           | 1.00         |            |          | 4801.00    |                               |
| Recorder                  | 0.00         | 13789      | Outside  | 4801.00    |                               |
| Bullnose                  | 5.00         |            |          | 4806.00    | 42.00 Bottom Packers & Anchor |
| <b>Total Tool Length:</b> | <b>62.00</b> |            |          |            |                               |



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Vincent Oil Corporation

**Hirt Farms #2-29**

155 N Market Ste 700  
Wichita KS 67202

**29 29S 15W Pratt KS**

Job Ticket: 24960

**DST#: 6**

ATTN: Mike Engelbrecht

Test Start: 2006.08.10 @ 18:22:22

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36.5 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

3000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbf

Water Loss: 36.58 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 0.20 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description         | Volume<br>bbf |
|--------------|---------------------|---------------|
| 248.00       | GOCM 18%G 17%O 65%M | 1.220         |
| 122.00       | GMCO 36%G 22%M 42%O | 1.711         |
| 500.00       | CGO 21%G 79%O       | 7.014         |

Total Length: 870.00 ft

Total Volume: 9.945 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time

