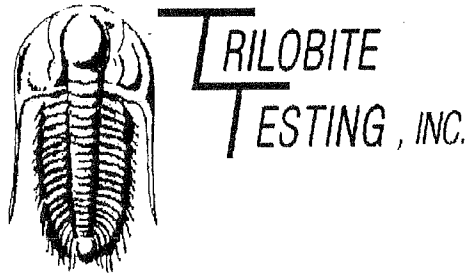


18-115-23w



## DRILL STEM TEST REPORT

Prepared For: **Ohio Kentucky Oil Corporation**

110 E Lowry Ln  
Lexington KY 40503

ATTN: Richard Bell

**18 11 23 Trego KS**

**Herman Oil #2**

Start Date: 2007.07.14 @ 01:46:28

End Date: 2007.07.14 @ 08:19:13

Job Ticket #: 28465 DST #: 1

15-195-22452  
SW NW NE SW  
2300 FSL 1500 FWL

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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Printed: 2007.07.27 @ 10:57:13 Page 1

OCT 17 2007

CONSERVATION DIVISION  
LEXINGTON, KY

Ohio Kentucky Oil Corporation

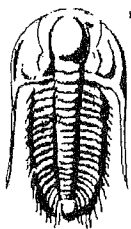
Herman Oil #2

18 11 23 Trego KS

DST # 1

LKC "B", "C"

2007.07.14



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

## DRILL STEM TEST REPORT

Ohio Kentucky Oil Corporation

110 E Lowry Ln  
Lexington KY 40503

ATTN: Richard Bell

**Herman Oil #2**

**18 11 23 Trego KS**

Job Ticket: 28465

**DST#: 1**

Test Start: 2007.07.14 @ 01:46:28

### GENERAL INFORMATION:

Formation: **LKC "B","C"**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 03:23:13

Time Test Ended: 08:19:13

Test Type: **Conventional Bottom Hole**

Tester: **Kyle Kinderknecht**

Unit No: **32**

Interval: **3733.00 ft (KB) To 3775.00 ft (KB) (TVD)**

Total Depth: **3775.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **2347.00 ft (KB)**

**2342.00 ft (CF)**

**KB to GR/CF: 5.00 ft**

**Serial #: 6719**

**Inside**

Press@RunDepth: **102.82 psig @ 3737.00 ft (KB)**

Start Date: **2007.07.14**

End Date:

**2007.07.14**

Capacity: **7000.00 psig**

Last Calib.: **2007.07.14**

Start Time: **01:46:30**

End Time:

**08:19:13**

Time On Btm: **2007.07.14 @ 03:22:58**

Time Off Btm: **2007.07.14 @ 06:23:28**

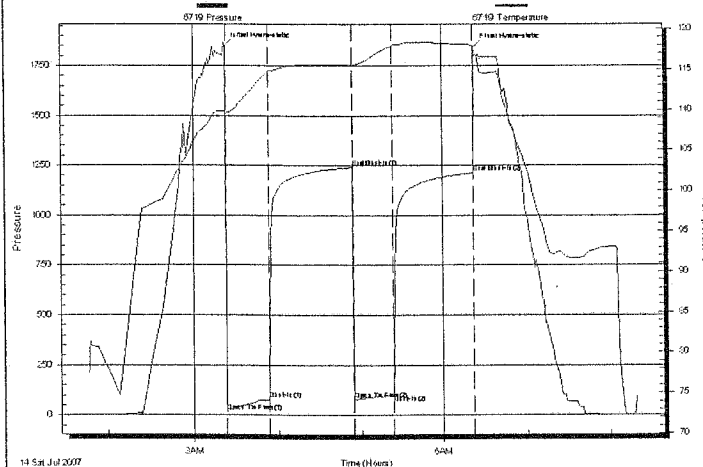
TEST COMMENT: IF Weak surface built to 5 1/4 "

ISI No blow

FF Weak surface

FSI No blow

Pressure vs. Time



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1845.68         | 109.99       | Initial Hydro-static |
| 1           | 18.65           | 109.50       | Open To Flow (1)     |
| 30          | 78.02           | 114.68       | Shut-In(1)           |
| 91          | 1240.19         | 115.60       | End Shut-In(1)       |
| 92          | 81.32           | 115.50       | Open To Flow (2)     |
| 121         | 102.82          | 117.87       | Shut-In(2)           |
| 180         | 1211.51         | 118.00       | End Shut-In(2)       |
| 181         | 1843.33         | 116.95       | Final Hydro-static   |

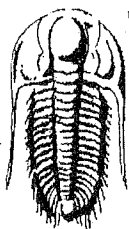
### Recovery

| Length (ft) | Description                | Volume (bbl) |
|-------------|----------------------------|--------------|
| 60.00       | MW trace of Oil 30%W 70%M  | 0.30         |
| 120.00      | MCW trace of Oil 90%W 10%M | 1.14         |
|             |                            |              |
|             |                            |              |
|             |                            |              |
|             |                            |              |

### Gas Rates

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

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

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Ohio Kentucky Oil Corporation

Herman Oil #2

110 E Lowry Ln  
Lexington KY 40503

18 11 23 Trego KS

Job Ticket: 28465

DST#: 1

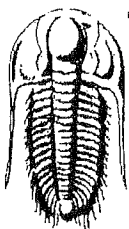
ATTN: Richard Bell

Test Start: 2007.07.14 @ 01:46:28

### Tool Information

|                           |                    |                         |                   |                                    |
|---------------------------|--------------------|-------------------------|-------------------|------------------------------------|
| Drill Pipe:               | Length: 3611.00 ft | Diameter: 3.80 inches   | Volume: 50.65 bbl | Tool Weight: 2500.00 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: 120.00 ft  | Diameter: 2.25 inches   | Volume: 0.59 bbl  | Weight to Pull Loose: 58000.00 lb  |
|                           |                    | Total Volume: 51.24 bbl |                   | Tool Chased ft                     |
| Drill Pipe Above KB:      | 26.00 ft           |                         |                   | String Weight: Initial 49000.00 lb |
| Depth to Top Packer:      | 3733.00 ft         |                         |                   | Final 51000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                         |                   |                                    |
| Interval between Packers: | 42.00 ft           |                         |                   |                                    |
| Tool Length:              | 70.00 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        |            |          | 3706.00    |                               |
| Shut In Tool       | 5.00        |            |          | 3711.00    |                               |
| Hydraulic tool     | 5.00        |            |          | 3716.00    |                               |
| Jars               | 5.00        |            |          | 3721.00    |                               |
| Safety Joint       | 2.00        |            |          | 3723.00    |                               |
| Packer             | 5.00        |            |          | 3728.00    | 28.00 Bottom Of Top Packer    |
| Packer             | 5.00        |            |          | 3733.00    |                               |
| Stubb              | 1.00        |            |          | 3734.00    |                               |
| Perforations       | 3.00        |            |          | 3737.00    |                               |
| Recorder           | 0.00        | 6719       | Inside   | 3737.00    |                               |
| Change Over Sub    | 1.00        |            |          | 3738.00    |                               |
| Blank Spacing      | 31.00       |            |          | 3769.00    |                               |
| Change Over Sub    | 1.00        |            |          | 3770.00    |                               |
| Perforations       | 2.00        |            |          | 3772.00    |                               |
| Recorder           | 0.00        | 13221      | Outside  | 3772.00    |                               |
| Bullnose           | 3.00        |            |          | 3775.00    | 42.00 Bottom Packers & Anchor |
| Total Tool Length: | 70.00       |            |          |            |                               |



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

## DRILL STEM TEST REPORT

FLUID SUMMARY

Ohio Kentucky Oil Corporation

Herman Oil #2

110 E Lowry Ln  
Lexington KY 40503

18 11 23 Trego KS

Job Ticket: 28465

DST#: 1

ATTN: Richard Bell

Test Start: 2007.07.14 @ 01:46:28

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 8.78 in<sup>3</sup>

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: 40000 ppm

### Recovery Information

Recovery Table

| Length<br>ft | Description                | Volume<br>bbl |
|--------------|----------------------------|---------------|
| 60.00        | MW trace of Oil 30%W 70%M  | 0.295         |
| 120.00       | MCW trace of Oil 90%W 10%M | 1.137         |

Total Length: 180.00 ft Total Volume: 1.432 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

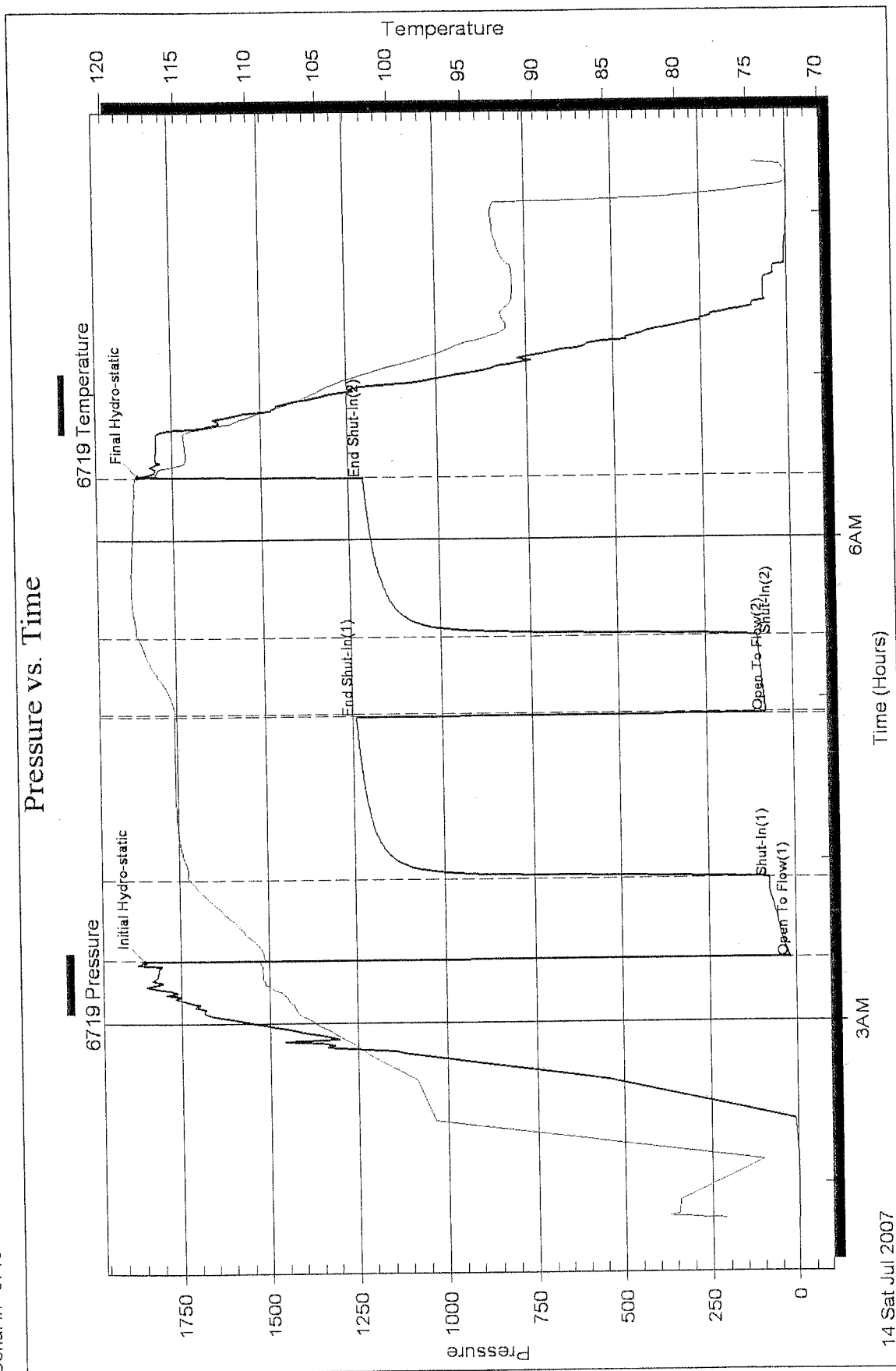
Laboratory Name:

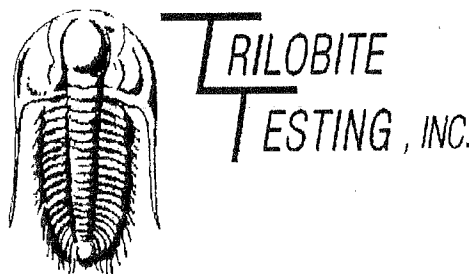
Laboratory Location:

Recovery Comments: Rw .22 @ 71 temp

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# Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Ohio Kentucky Oil Corporation**

110 E Lowry Ln  
Lexington KY 40503

ATTN: Richard Bell

**18 11 23 Trego KS**

**Herman Oil #2**

Start Date: 2007.07.14 @ 21:41:20

End Date: 2007.07.15 @ 04:27:20

Job Ticket #: 28466      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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REGISTRATION DIVISION

Ohio Kentucky Oil Corporation

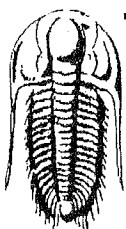
Herman Oil #2

18 11 23 Trego KS

DST # 2

lkc "H", "I"

2007.07.14



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Ohio Kentucky Oil Corporation

110 E Lowry Ln  
Lexington KY 40503

ATTN: Richard Bell

Herman Oil #2

18 11 23 Trego KS

Job Ticket: 28466

DST#: 2

Test Start: 2007.07.14 @ 21:41:20

### GENERAL INFORMATION:

Formation: **lkc "H", "I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:11:35

Time Test Ended: 04:27:20

Test Type: Conventional Bottom Hole

Tester: Kyle Kinderknecht

Unit No: 32

Interval: **3834.00 ft (KB) To 3880.00 ft (KB) (TVD)**

Total Depth: 3775.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2347.00 ft (KB)

2342.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 6719** Inside

Press@RunDepth: 68.45 psig @ 3842.00 ft (KB)

Start Date: 2007.07.14

End Date:

2007.07.15

Start Time: 21:41:22

End Time:

04:27:20

Capacity: 7000.00 psig

Last Calib.: 2007.07.15

Time On Btm: 2007.07.14 @ 23:11:20

Time Off Btm: 2007.07.15 @ 02:42:20

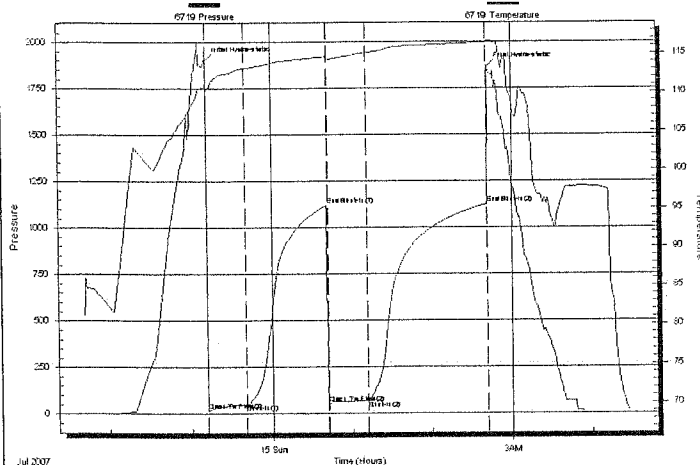
TEST COMMENT: IF Weak surface built to 8 "

ISI No blow back

FF 1/2 " built to 10 1/2 "

FSI No blow back

Pressure vs. Time



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1899.65         | 110.82       | Initial Hydro-static |
| 1           | 17.43           | 109.77       | Open To Flow (1)     |
| 30          | 51.95           | 113.08       | Shut-In(1)           |
| 91          | 1121.89         | 114.55       | End Shut-In(1)       |
| 92          | 51.73           | 114.20       | Open To Flow (2)     |
| 120         | 68.45           | 115.06       | Shut-In(2)           |
| 211         | 1125.81         | 116.38       | End Shut-In(2)       |
| 211         | 1867.72         | 116.61       | Final Hydro-static   |

### Recovery

| Length (ft) | Description          | Volume (bbl) |
|-------------|----------------------|--------------|
| 200.00      | GIP                  | 1.71         |
| 70.00       | HOCM 30%O 70%M       | 0.98         |
| 60.00       | GHOCM 30%G 35%O 35%M | 0.84         |
|             |                      |              |
|             |                      |              |
|             |                      |              |

### Gas Rates

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

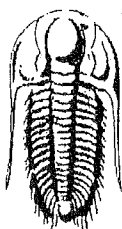
Trilobite Testing, Inc

Ref. No: 28466

Printed: 2007.07.27 @ 10:57:55 Page 2

OCT 17 2007

CONSERVATION DIVISION



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

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Ohio Kentucky Oil Corporation

Herman Oil #2

110 E Lowry Ln  
Lexington KY 40503

18 11 23 Trego KS

Job Ticket: 28466

DST#: 2

ATTN: Richard Bell

Test Start: 2007.07.14 @ 21:41:20

### Tool Information

|                           |         |            |           |             |               |           |                        |             |
|---------------------------|---------|------------|-----------|-------------|---------------|-----------|------------------------|-------------|
| Drill Pipe:               | Length: | 3703.00 ft | Diameter: | 3.80 inches | Volume:       | 51.94 bbl | Tool Weight:           | 2500.00 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: | 120.00 ft  | Diameter: | 2.25 inches | Volume:       | 0.59 bbl  | Weight to Pull Loose:  | 53000.00 lb |
|                           |         |            |           |             | Total Volume: | 52.53 bbl | Tool Chased            | ft          |
| Drill Pipe Above KB:      |         | 10.00 ft   |           |             |               |           | String Weight: Initial | 50000.00 lb |
| Depth to Top Packer:      |         | 3834.00 ft |           |             |               |           | Final                  | 51000.00 lb |
| Depth to Bottom Packer:   |         | ft         |           |             |               |           |                        |             |
| Interval between Packers: |         | 46.00 ft   |           |             |               |           |                        |             |
| Tool Length:              |         | 67.00 ft   |           |             |               |           |                        |             |
| Number of Packers:        |         | 2          | Diameter: | 6.75 inches |               |           |                        |             |
| Tool Comments:            |         |            |           |             |               |           |                        |             |

### Tool Description

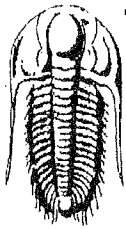
| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 3814.00    |                               |
| Shut in Tool     | 5.00        |            |          | 3819.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 3824.00    |                               |
| Packer           | 5.00        |            |          | 3829.00    | 21.00 Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 3834.00    |                               |
| Stubb            | 1.00        |            |          | 3835.00    |                               |
| Perforations     | 7.00        |            |          | 3842.00    |                               |
| Recorder         | 0.00        | 6719       | Inside   | 3842.00    |                               |
| Change Over Sub  | 1.00        |            |          | 3843.00    |                               |
| Blank Spacing    | 31.00       |            |          | 3874.00    |                               |
| Change Over Sub  | 1.00        |            |          | 3875.00    |                               |
| Perforations     | 2.00        |            |          | 3877.00    |                               |
| Recorder         | 0.00        | 13221      | Outside  | 3877.00    |                               |
| Bullnose         | 3.00        |            |          | 3880.00    | 46.00 Bottom Packers & Anchor |

**Total Tool Length: 67.00**

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

## DRILL STEM TEST REPORT

FLUID SUMMARY

Ohio Kentucky Oil Corporation

Herman Oil #2

110 E Lowry Ln  
Lexington KY 40503

18 11 23 Trego KS

Job Ticket: 28466

DST#: 2

ATTN: Richard Bell

Test Start: 2007.07.14 @ 21:41:20

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 7.99 in<sup>3</sup>

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

### Recovery Information

Recovery Table

| Length<br>ft | Description          | Volume<br>bbl |
|--------------|----------------------|---------------|
| 200.00       | GIP                  | 1.712         |
| 70.00        | HOCM 30%O 70%M       | 0.982         |
| 60.00        | GHOCM 30%G 35%O 35%M | 0.842         |

Total Length: 330.00 ft

Total Volume: 3.536 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

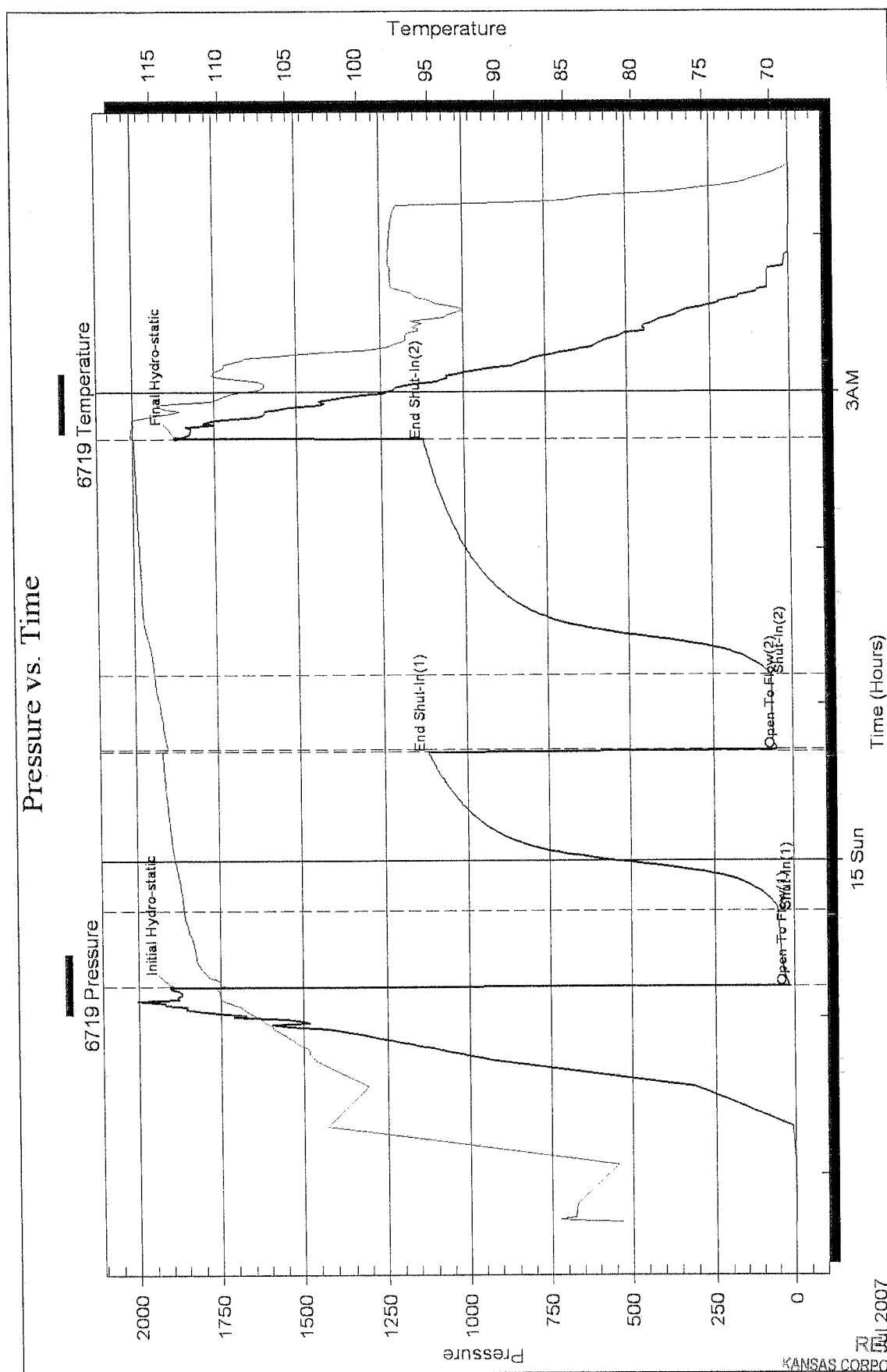
Recovery Comments:

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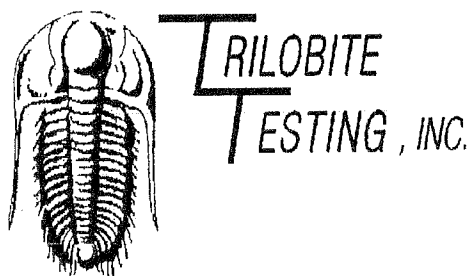
## Pressure vs. Time



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CONSERVATION DIVISION



## DRILL STEM TEST REPORT

Prepared For: **Ohio Kentucky Oil Corporation**

110 E Lowry Ln  
Lexington KY 40503

ATTN: Richard Bell

**18 11 23 Trego KS**

**Herman Oil #2**

Start Date: 2007.07.15 @ 12:51:31

End Date: 2007.07.15 @ 17:53:46

Job Ticket #: 28318      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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CONSERVATION DIVISION  
WICHITA, KS

Ohio Kentucky Oil Corporation

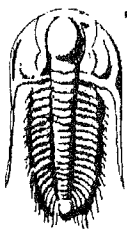
Herman Oil #2

18 11 23 Trego KS

DST # 3

LKC-"J"

2007.07.15



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

## DRILL STEM TEST REPORT

Ohio Kentucky Oil Corporation

110 E Lowry Ln  
Lexington KY 40503

ATTN: Richard Bell

Herman Oil #2

18 11 23 Trego KS

Job Ticket: 28318

DST#: 3

Test Start: 2007.07.15 @ 12:51:31

### GENERAL INFORMATION:

Formation: LKC-"J"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:10:16

Time Test Ended: 17:53:46

Test Type: Conventional Bottom Hole

Tester: Jason McLeMore

Unit No: 32

Interval: 3880.00 ft (KB) To 3904.00 ft (KB) (TVD)

Total Depth: 3904.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2347.00 ft (KB)

2342.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6719 Inside

Press@RunDepth: 15.51 psig @ 3882.00 ft (KB)

Start Date: 2007.07.15

End Date:

2007.07.15

Start Time: 12:51:33

End Time:

17:53:46

Capacity: 7000.00 psig

Last Calib.: 2007.07.15

Time On Btm: 2007.07.15 @ 14:10:01

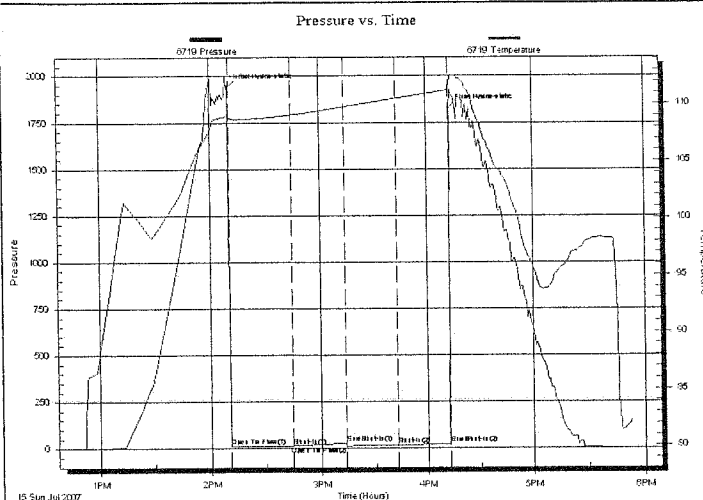
Time Off Btm: 2007.07.15 @ 16:13:16

TEST COMMENT: IFP Weak Surface Blow Died in 5 Min

ISI Dead

FFP Dead

FSI Dead



### PRESSURE SUMMARY

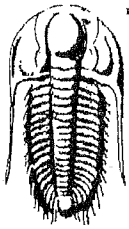
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1941.18         | 109.08       | Initial Hydro-static |
| 1           | 12.68           | 108.76       | Open To Flow (1)     |
| 35          | 14.22           | 109.03       | Shut-In (1)          |
| 64          | 29.65           | 109.74       | End Shut-In (1)      |
| 64          | 14.18           | 109.74       | Open To Flow (2)     |
| 94          | 15.51           | 110.49       | Shut-In (2)          |
| 123         | 24.29           | 111.20       | End Shut-In (2)      |
| 124         | 1828.07         | 111.76       | Final Hydro-static   |

### Recovery

| Length (ft) | Description    | Volume (bbl) |
|-------------|----------------|--------------|
| 3.00        | Mud W/Oil Show | 0.01         |
|             |                |              |
|             |                |              |
|             |                |              |
|             |                |              |
|             |                |              |

### Gas Rates

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



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

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Ohio Kentucky Oil Corporation

Herman Oil #2

110 E Lowry Ln  
Lexington KY 40503

18 11 23 Trego KS

Job Ticket: 28318

DST#: 3

ATTN: Richard Bell

Test Start: 2007.07.15 @ 12:51:31

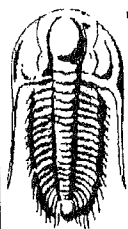
### Tool Information

|                           |                    |                         |                   |                                    |
|---------------------------|--------------------|-------------------------|-------------------|------------------------------------|
| Drill Pipe:               | Length: 3762.00 ft | Diameter: 3.80 inches   | Volume: 52.77 bbl | Tool Weight: 2500.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches   | Volume: 0.00 bbl  | Weight set on Packer: 25000.00 lb  |
| Drill Collar:             | Length: 120.00 ft  | Diameter: 2.25 inches   | Volume: 0.59 bbl  | Weight to Pull Loose: 55000.00 lb  |
|                           |                    | Total Volume: 53.36 bbl |                   | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 23.00 ft           |                         |                   | String Weight: Initial 49000.00 lb |
| Depth to Top Packer:      | 3880.00 ft         |                         |                   | Final 49000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                         |                   |                                    |
| Interval between Packers: | 24.00 ft           |                         |                   |                                    |
| Tool Length:              | 45.00 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        |            |          | 3860.00    |                               |
| Shut In Tool     | 5.00        |            |          | 3865.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 3870.00    |                               |
| Packer           | 5.00        |            |          | 3875.00    | 21.00 Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 3880.00    |                               |
| Stubb            | 1.00        |            |          | 3881.00    |                               |
| Perforations     | 1.00        |            |          | 3882.00    |                               |
| Recorder         | 0.00        | 6719       | Inside   | 3882.00    |                               |
| Perforations     | 19.00       |            |          | 3901.00    |                               |
| Recorder         | 0.00        | 13221      | Outside  | 3901.00    |                               |
| Bullnose         | 3.00        |            |          | 3904.00    | 24.00 Bottom Packers & Anchor |

Total Tool Length: 45.00

OCT 17 2007



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

## DRILL STEM TEST REPORT

FLUID SUMMARY

Ohio Kentucky Oil Corporation

Herman Oil #2

110 E Lowry Ln  
Lexington KY 40503

18 11 23 Trego KS

Job Ticket: 28318

DST#: 3

ATTN: Richard Bell

Test Start: 2007.07.15 @ 12:51:31

### 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: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

| Length<br>ft | Description    | Volume<br>bbl |
|--------------|----------------|---------------|
| 3.00         | Mud W/Oil Show | 0.015         |

Total Length: 3.00 ft

Total Volume: 0.015 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

OCT 17 2007

CONSERVATION DIVISION

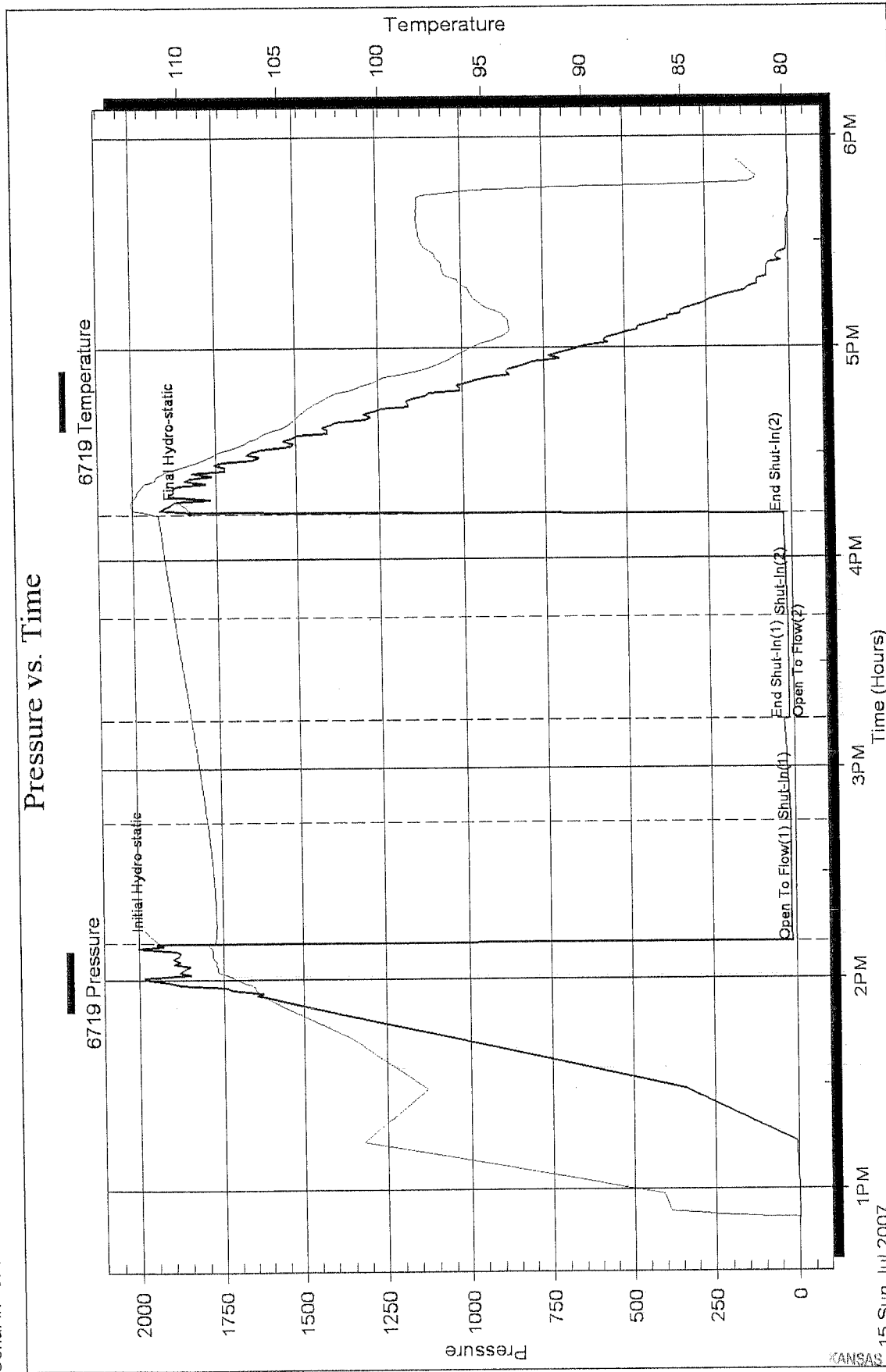
DST Test Number: 3

18 11 23 Trego KS

Inside Ohio Kentucky Oil Corporation

Serial #: 6719

# Pressure vs. Time



Printed: 2007.07.27 @ 10:57:59 Page 5

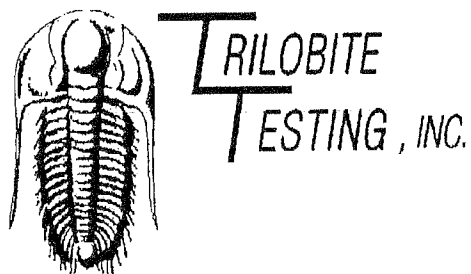
Ref. No: 28318

Probite Testing, Inc

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OCT 17 2007

CONSERVATION DIVISION



## DRILL STEM TEST REPORT

Prepared For: **Ohio Kentucky Oil Corporation**

110 E Lowry Ln  
Lexington KY 40503

ATTN: Richard Bell

**18 11 23 Trego KS**

**Herman Oil #2**

Start Date: 2007.07.16 @ 00:13:47

End Date: 2007.07.16 @ 06:28:02

Job Ticket #: 28319                      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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**OCT 17 2007**

CONSERVATION DIVISION  
HAYES, KS

Ohio Kentucky Oil Corporation

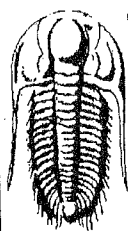
Herman Oil #2

18 11 23 Trego KS

DST # 4

LKC-"K"

2007.07.16



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

## DRILL STEM TEST REPORT

Ohio Kentucky Oil Corporation

110 E Lowry Ln  
Lexington KY 40503

ATTN: Richard Bell

Herman Oil #2

18 11 23 Trego KS

Job Ticket: 28319

DST#: 4

Test Start: 2007.07.16 @ 00:13:47

### GENERAL INFORMATION:

Formation: LKC-"K"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:34:32

Time Test Ended: 06:28:02

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: 3904.00 ft (KB) To 3925.00 ft (KB) (TVD)

Total Depth: 3925.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2347.00 ft (KB)

2342.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6719 Inside

Press@RunDepth: 21.35 psig @ 3907.00 ft (KB)

Start Date: 2007.07.16

End Date:

2007.07.16

Capacity: 7000.00 psig

Last Calib.: 2007.07.16

Start Time: 00:13:49

End Time:

06:28:02

Time On Btm: 2007.07.16 @ 01:34:17

Time Off Btm: 2007.07.16 @ 05:05:47

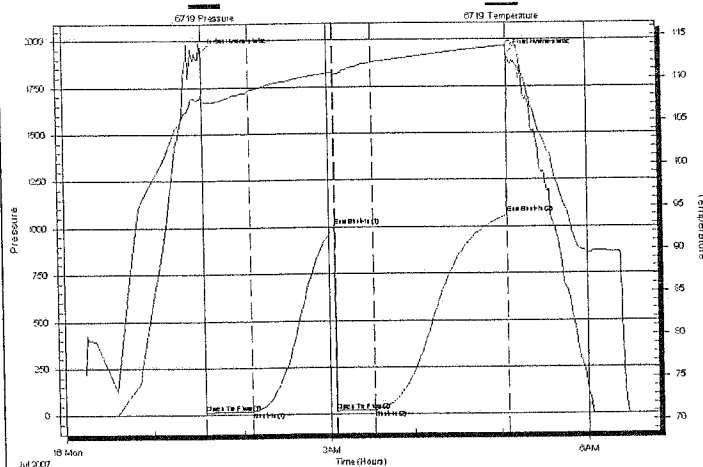
TEST COMMENT: IFP Weak Blow Built to 1/4 "

ISI Dead

FFP Dead

FSI Dead

Pressure vs. Time



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1939.05         | 108.09       | Initial Hydro-static |
| 1           | 13.33           | 107.53       | Open To Flow (1)     |
| 32          | 17.51           | 108.62       | Shut-In(1)           |
| 90          | 1001.75         | 110.75       | End Shut-In(1)       |
| 91          | 19.23           | 110.52       | Open To Flow (2)     |
| 117         | 21.35           | 111.93       | Shut-In(2)           |
| 211         | 1063.93         | 113.82       | End Shut-In(2)       |
| 212         | 1923.57         | 114.24       | Final Hydro-static   |

### Recovery

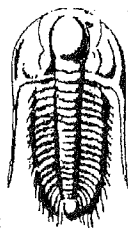
| Length (ft) | Description      | Volume (bbl) |
|-------------|------------------|--------------|
| 5.00        | Mud W/Oil Specks | 0.02         |
|             |                  |              |
|             |                  |              |
|             |                  |              |
|             |                  |              |
|             |                  |              |

### Gas Rates

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

OCT 17 2007

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

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Ohio Kentucky Oil Corporation

Herman Oil #2

110 E Lowry Ln  
Lexington KY 40503

18 11 23 Trego KS

Job Ticket: 28319

DST#: 4

ATTN: Richard Bell

Test Start: 2007.07.16 @ 00:13:47

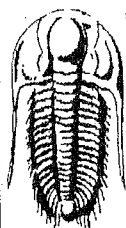
### Tool Information

|                           |                    |                       |                   |                        |             |
|---------------------------|--------------------|-----------------------|-------------------|------------------------|-------------|
| Drill Pipe:               | Length: 3794.00 ft | Diameter: 3.80 inches | Volume: 53.22 bbl | Tool Weight:           | 2500.00 lb  |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl  | Weight set on Packer:  | 25000.00 lb |
| Drill Collar:             | Length: 120.00 ft  | Diameter: 2.25 inches | Volume: 0.59 bbl  | Weight to Pull Loose:  | 55000.00 lb |
|                           |                    | Total Volume:         | 53.81 bbl         | Tool Chased            | 0.00 ft     |
| Drill Pipe Above KB:      | 31.00 ft           |                       |                   | String Weight: Initial | 50000.00 lb |
| Depth to Top Packer:      | 3904.00 ft         |                       |                   | Final                  | 50000.00 lb |
| Depth to Bottom Packer:   | ft                 |                       |                   |                        |             |
| Interval between Packers: | 21.00 ft           |                       |                   |                        |             |
| Tool Length:              | 42.00 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        |            |          | 3884.00    |                               |
| Shut In Tool     | 5.00        |            |          | 3889.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 3894.00    |                               |
| Packer           | 5.00        |            |          | 3899.00    | 21.00 Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 3904.00    |                               |
| Stubb            | 1.00        |            |          | 3905.00    |                               |
| Perforations     | 2.00        |            |          | 3907.00    |                               |
| Recorder         | 0.00        | 6719       | Inside   | 3907.00    |                               |
| Perforations     | 15.00       |            |          | 3922.00    |                               |
| Recorder         | 0.00        | 13221      | Outside  | 3922.00    |                               |
| Bullnose         | 3.00        |            |          | 3925.00    | 21.00 Bottom Packers & Anchor |

Total Tool Length: 42.00



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

## DRILL STEM TEST REPORT

FLUID SUMMARY

Ohio Kentucky Oil Corporation

Herman Oil #2

110 E Lowry Ln  
Lexington KY 40503

18 11 23 Trego KS

Job Ticket: 28319

DST#: 4

ATTN: Richard Bell

Test Start: 2007.07.16 @ 00:13:47

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 8.77 in<sup>3</sup>

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

### Recovery Information

Recovery Table

| Length<br>ft | Description      | Volume<br>bbl |
|--------------|------------------|---------------|
| 5.00         | Mud W/Oil Specks | 0.025         |

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

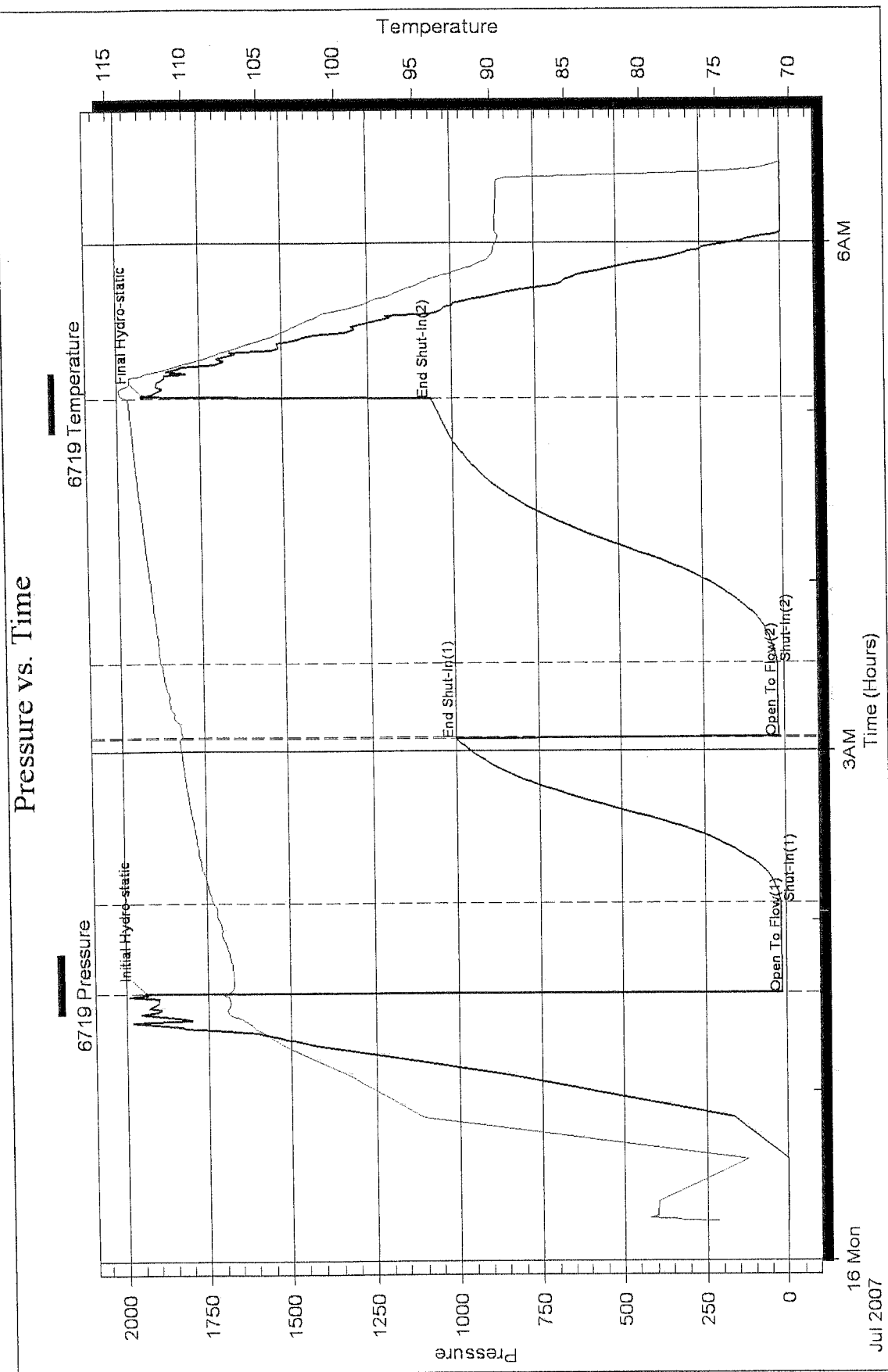
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

OCT 17 2007



Printed: 2007.07.27 @ 10:58:15 Page 5

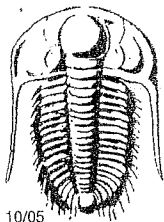
Ref. No: 28319

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OCT 17 2007

CONSERVATION DIVISION  
WICHITA, KS

Trilobite Testing, Inc.



# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

28465

## Test Ticket

P.O. # 12077

Well Name & No. Herman Oil #2 Test No. 1 Date 7-14-07  
 Company Ohio Kentucky Oil Corp. Zone Tested LKC "B", "C"  
 Address 110 E. Lowry Ln Lexington Kentucky 40503 Elevation 2347 KB 2342 GL  
 Co. Rep / Geo. Rich Bell Rig WW #8  
 Location: Sec. 18 Twp. 11S Rge. 23W Co. Trego State KS  
 Comment: \_\_\_\_\_ Release date / time: \_\_\_\_\_

Interval Tested 3733 - 3775 Initial Str Wt./Lbs. 49000 Unseated Str Wt./Lbs. 51000  
 Anchor Length 42 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 58000  
 Top Packer Depth 3728 Tool Weight 2500  
 Bottom Packer Depth 3733 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓  
 Total Depth 3775 Wt. Pipe Run 0 Drill Collar Run 120  
 Mud Wt. 9.0 LCM \_\_\_\_\_ Vis. SS WL 8.8 Drill Pipe Size 4 1/2 XH Ft. Run 3611

Blow Description IF - Weak Surface Built to 5 1/4"

ISI - No Blow Back

FF - Weak Surface

FSI - No Blow Back

| Recovery - Total Feet | GIP                | Ft. in DC                                              | Ft. in DP |
|-----------------------|--------------------|--------------------------------------------------------|-----------|
| Rec. <u>60</u>        | Feet of <u>MW</u>  | %gas <u>Trace</u> %oil <u>30</u> %water <u>70</u> %mud |           |
| Rec. <u>120</u>       | Feet of <u>MCW</u> | %gas <u>Trace</u> %oil <u>90</u> %water <u>10</u> %mud |           |
| Rec. _____            | Feet of _____      | %gas _____ %oil _____ %water _____ %mud                |           |
| Rec. _____            | Feet of _____      | %gas _____ %oil _____ %water _____ %mud                |           |
| Rec. _____            | Feet of _____      | %gas _____ %oil _____ %water _____ %mud                |           |

BHT 118 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW 0.22 @ 0.71 °F Chlorides 40000 ppm Recovery \_\_\_\_\_ Chlorides \_\_\_\_\_ ppm System

| (A) Initial Hydrostatic Mud      | PSI | Recorder No.    | Test                 |
|----------------------------------|-----|-----------------|----------------------|
| <u>1885</u>                      |     | <u>6719</u>     | <u>✓</u> <u>1100</u> |
| (B) First Initial Flow Pressure  | PSI | (depth)         | Jars                 |
| <u>18</u>                        |     | <u>3732</u>     | <u>✓</u> <u>250</u>  |
| (C) First Final Flow Pressure    | PSI | Recorder No.    | Safety Jt.           |
| <u>78</u>                        |     | <u>13221</u>    | <u>✓</u> <u>75</u>   |
| (D) Initial Shut-In Pressure     | PSI | (depth)         | Circ Sub             |
| <u>1240</u>                      |     | <u>3767</u>     |                      |
| (E) Second Initial Flow Pressure | PSI | Recorder No.    | Sampler              |
| <u>81</u>                        |     |                 |                      |
| (F) Second Final Flow Pressure   | PSI | (depth)         | Straddle             |
| <u>102</u>                       |     |                 |                      |
| (G) Final Shut-In Pressure       | PSI | Initial Opening | Ext. Packer          |
| <u>1211</u>                      |     | <u>30</u>       |                      |
| (Q) Final Hydrostatic Mud        | PSI | Initial Shut-In | Shale Packer         |
| <u>1843</u>                      |     | <u>60</u>       |                      |

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Approved By Richard Bell

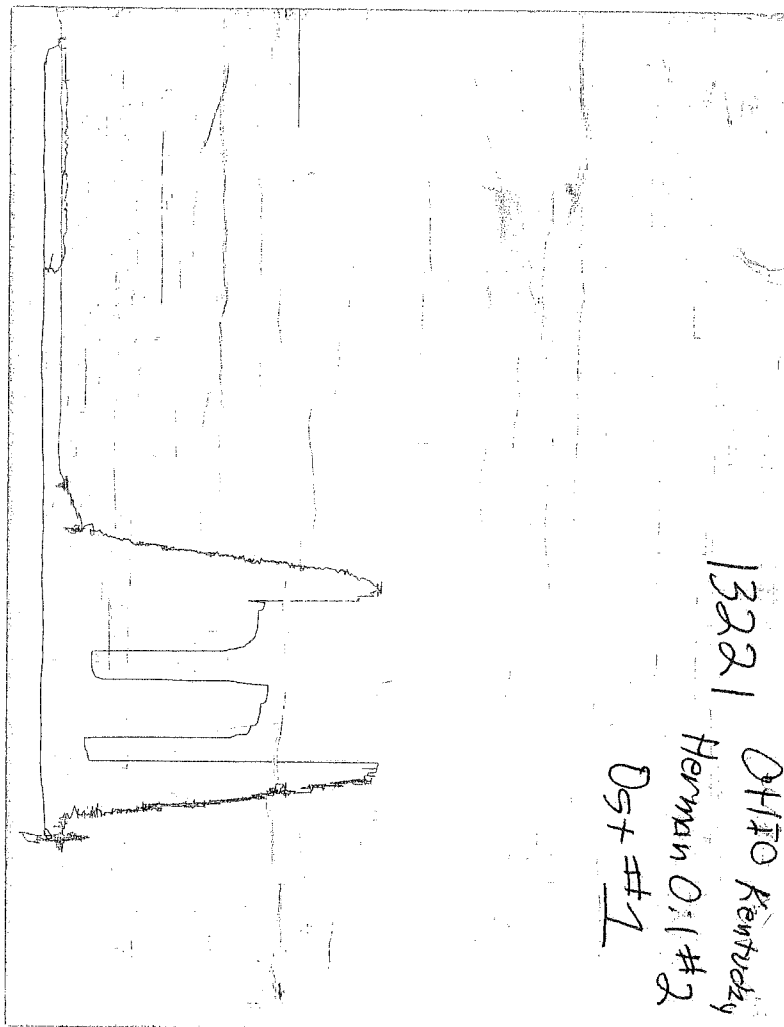
Our Representative [Signature]

Final Flow 30  
 Final Shut-In 60  
 T-On Location 1:00  
 T-Started 2:00  
 T-Open 3:23  
 T-Pulled 6:23  
 T-Out 8:15

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 KANSAS CORPORATION COMMISSION  
 Sub Total: \_\_\_\_\_  
 Std. BCT 172007  
 Ace. Chg: \_\_\_\_\_  
 Other: WICHITA, KS  
 Total: 81537.50

**CHART PAGE**

This is a photocopy of the actual AK-1 recorder chart.



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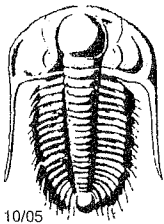
OCT 17 2007

CONSERVATION DIVISION  
WICHITA, KS

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OCT 17 2007

CONSERVATION DIVISION



# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

28466

## Test Ticket

P.O. # 12077

|                                                          |                                      |                            |
|----------------------------------------------------------|--------------------------------------|----------------------------|
| Well Name & No. <u>Herman Oil #2</u>                     | Test No. <u>2</u>                    | Date <u>7-14-07</u>        |
| Company <u>Ohio Kentucky Oil Corp</u>                    | Zone Tested <u>"H" "I"</u>           |                            |
| Address <u>110 E. Lowry Ln. Lexington Kentucky 40503</u> | Elevation <u>2347</u> KB <u>2342</u> | GL                         |
| Co. Rep / Geo. <u>Richard Bell</u>                       | Rig <u>WW #8</u>                     |                            |
| Location: Sec. <u>18</u> Twp. <u>11s</u> Rge. <u>23w</u> | Co. <u>Trego</u>                     | State <u>KS</u>            |
| Comment: _____                                           |                                      | Release date / time: _____ |

|                                                               |                                    |                                     |
|---------------------------------------------------------------|------------------------------------|-------------------------------------|
| Interval Tested <u>3834-3880</u>                              | Initial Str Wt./Lbs. <u>50,000</u> | Unseated Str Wt./Lbs. <u>51,000</u> |
| Anchor Length <u>46'</u>                                      | Wt. Set Lbs. <u>20000</u>          | Wt. Pulled Loose/Lbs. <u>53000</u>  |
| Top Packer Depth <u>3829</u>                                  | Tool Weight <u>2500</u>            |                                     |
| Bottom Packer Depth <u>3834</u>                               | Hole Size 7 7/8" <u>✓</u>          | Rubber Size 6 3/4" <u>✓</u>         |
| Total Depth <u>3880</u>                                       | Wt. Pipe Run <u>0</u>              | Drill Collar Run <u>120</u>         |
| Mud Wt. <u>9.1</u> LCM <u>50</u> Vis. <u>50</u> WL <u>8.0</u> | Drill Pipe Size <u>4 1/2 XH</u>    | Ft. Run <u>3703</u>                 |

Blow Description IF - Weak surface built to 8'

ISI - 0

FF - 1/2" Built to 10 1/2"

PSI - 0

|                                   |                              |                            |           |
|-----------------------------------|------------------------------|----------------------------|-----------|
| Recovery - Total Feet <u>130'</u> | GIP <u>200'</u>              | Ft. in DC                  | Ft. in DP |
| Rec. <u>70'</u> Feet of           | %gas <u>30</u> %oil          | %water <u>70</u> %mud      |           |
| Rec. <u>60'</u> Feet of           | %gas <u>35</u> %oil          | %water <u>35</u> %mud      |           |
| Rec. _____ Feet of                | %gas _____ %oil              | %water _____ %mud          |           |
| Rec. _____ Feet of                | %gas _____ %oil              | %water _____ %mud          |           |
| Rec. _____ Feet of                | %gas _____ %oil              | %water _____ %mud          |           |
| BHT <u>116</u> °F Gravity         | *API D @                     | *F Corrected Gravity       | *API      |
| RW _____ @ _____ °F               | Chlorides _____ ppm Recovery | Chlorides _____ ppm System |           |

|                                  |      |        |          |                           |                                 |
|----------------------------------|------|--------|----------|---------------------------|---------------------------------|
| (A) Initial Hydrostatic Mud      | AK-1 | Alpine | 1925 PSI | Recorder No. <u>6719</u>  | Test <u>✓</u> <u>1100</u>       |
| (B) First Initial Flow Pressure  |      |        | 17 PSI   | (depth) <u>3842</u>       | Jars _____                      |
| (C) First Final Flow Pressure    |      |        | 51 PSI   | Recorder No. <u>13221</u> | Safety Jt. _____                |
| (D) Initial Shut-In Pressure     |      |        | 1121 PSI | (depth) <u>3877</u>       | Circ Sub. <u>RECEIVED</u>       |
| (E) Second Initial Flow Pressure |      |        | 51 PSI   | Recorder No. _____        | KANSAS CORPORATION COMMISSION   |
| (F) Second Final Flow Pressure   |      |        | 68 PSI   | (depth) _____             | Sampler _____                   |
| (G) Final Shut-In Pressure       |      |        | 1125 PSI | Initial Opening <u>30</u> | Straddle <u>OCT 17 2007</u>     |
| (Q) Final Hydrostatic Mud        |      |        | 1867 PSI | Initial Shut-In <u>60</u> | Ext. Packer _____               |
|                                  |      |        |          | Final Flow <u>30</u>      | Shale Packer <u>WICHITA, KS</u> |
|                                  |      |        |          | Final Shut-In <u>90</u>   | Ruined Packer _____             |

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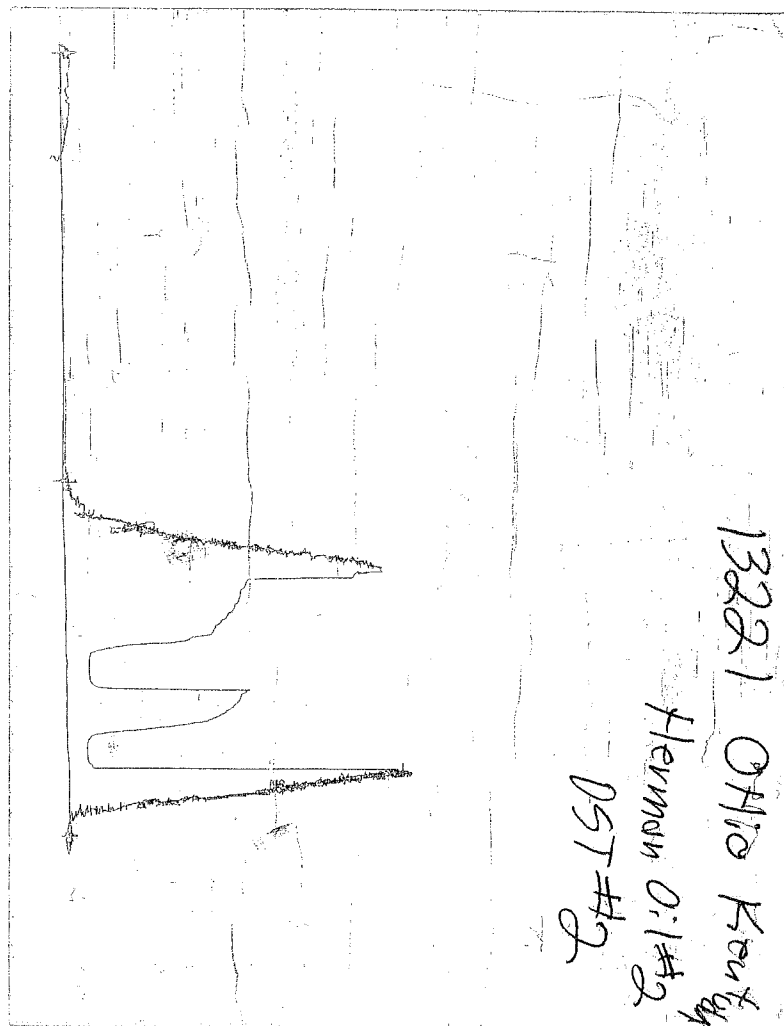
Approved By Richard Bell

Our Representative [Signature]

|               |               |            |                  |
|---------------|---------------|------------|------------------|
| T-On Location | <u>021:15</u> | Sub Total: |                  |
| T-Started     | <u>21:45</u>  | Std. By    |                  |
| T-Open        | <u>23:11</u>  | Acc. Chg:  |                  |
| T-Pulled      | <u>2:41</u>   | Other:     |                  |
| T-Out         | <u>4:15</u>   | Total:     | <u>\$1212.50</u> |

**CHART PAGE**

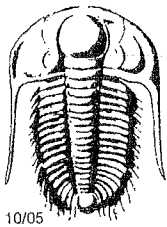
This is a photocopy of the actual AK-1 recorder chart.



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OCT 17 2007

CONSERVATION DIVISION  
WICHITA, KS



# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

28318

## Test Ticket

Well Name & No. Herman Oil #2 Test No. 3 Date 7-15-07  
 Company Ohio Kentucky Oil Corporation Zone Tested J  
 Address 110 E Lowry Lane, Lexington, Ky. 40503 Elevation 2377 KB 2371 GL  
 Co. Rep / Geo. Richard Bell Rig WW #8  
 Location: Sec. 18 Twp. 11s Rge. 23w Co. Trego State Ks  
 Comment: PO #12077 Release date / time: \_\_\_\_\_

Interval Tested 3880 - 3904 Initial Str Wt./Lbs. 49,000 Unseated Str Wt./Lbs. 49,000  
 Anchor Length 24' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 55,000  
 Top Packer Depth 3875 Tool Weight 2,000  
 Bottom Packer Depth 3880 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓  
 Total Depth 3904 Wt. Pipe Run 0 Drill Collar Run 120  
 Mud Wt. 9.2 LCM 1/8" Vis. 46 WL 9.4 Drill Pipe Size 4 1/2 XH Ft. Run 3762  
 Blow Description IFP - Weak Surface Blow, Died in 5 min.

ISI - Dead  
FFP - Dead  
FSI - Dead

Recovery - Total Feet \_\_\_\_\_ GIP \_\_\_\_\_ Ft. in DC \_\_\_\_\_ Ft. in DP \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud  
 BHT 111° °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery \_\_\_\_\_ Chlorides 2,000 ppm System

|                                  |      |             |     |                 |              |               |                                       |
|----------------------------------|------|-------------|-----|-----------------|--------------|---------------|---------------------------------------|
| (A) Initial Hydrostatic Mud      | AK-1 | Alpine      | PSI | Recorder No.    | <u>6719</u>  | (Test)        | <u>1100</u>                           |
| (B) First Initial Flow Pressure  |      | <u>1941</u> | PSI | (depth)         | <u>3882</u>  | Jars          |                                       |
| (C) First Final Flow Pressure    |      | <u>13</u>   | PSI | Recorder No.    | <u>13221</u> | Safety Jt.    |                                       |
| (D) Initial Shut-In Pressure     |      | <u>14</u>   | PSI | (depth)         | <u>3901</u>  | Circ Sub      |                                       |
| (E) Second Initial Flow Pressure |      | <u>30</u>   | PSI | Recorder No.    |              | Sampler       |                                       |
| (F) Second Final Flow Pressure   |      | <u>14</u>   | PSI | (depth)         |              | Straddle      | <b>RECEIVED</b>                       |
| (G) Final Shut-In Pressure       |      | <u>15</u>   | PSI | Initial Opening | <u>30</u>    | Ext. Packer   | <b>STREETS CORPORATION COMMISSION</b> |
| (Q) Final Hydrostatic Mud        |      | <u>24</u>   | PSI | Initial Shut-In | <u>30</u>    | Shale Packer  | <u>OCT 17 2007</u>                    |
|                                  |      | <u>1828</u> | PSI | Final Flow      | <u>30</u>    | Ruined Packer | <b>INFORMATION DIVISION</b>           |
|                                  |      |             |     | Final Shut-In   | <u>30</u>    | Mileage       | <u>90</u> <b>WICHITA KS 112.50</b>    |

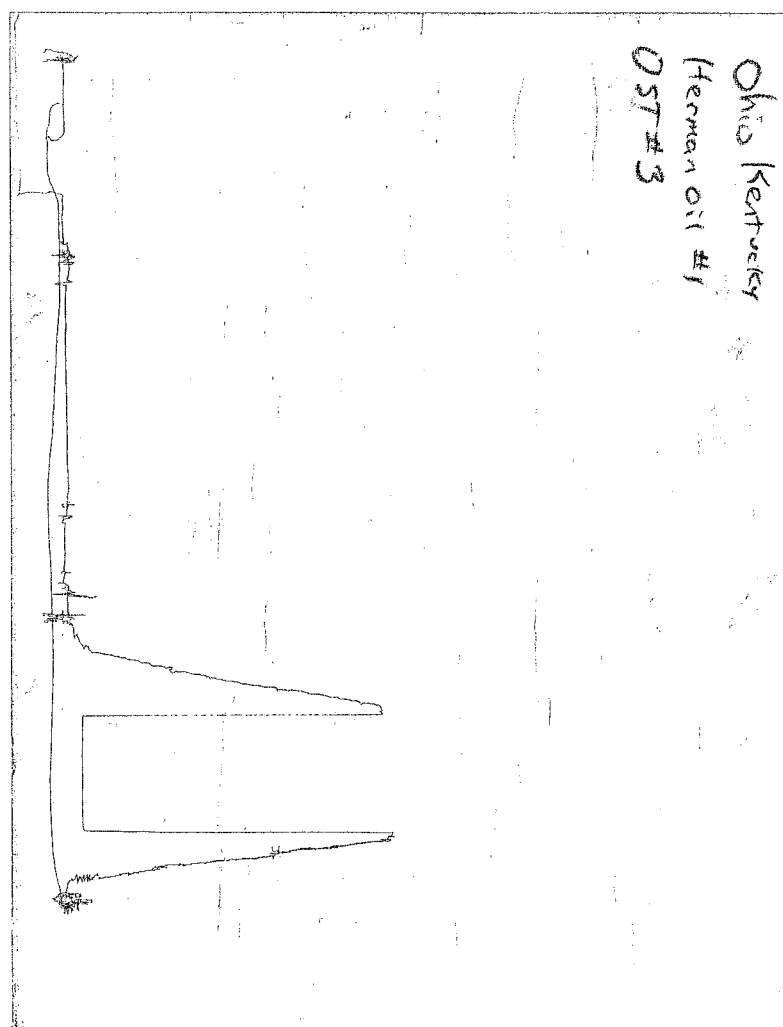
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST, TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Richard Bell PO 12077 T-Open 12:15  
 Our Representative J. McLenon T-Pulled 12:51  
hank 125 T-Out 14:10  
16:10  
17:53

Sub Total: \_\_\_\_\_  
 Std. By \_\_\_\_\_  
 Acc. Chg: \_\_\_\_\_  
 Other: \_\_\_\_\_  
 Total: \$1212.50

**CHART PAGE**

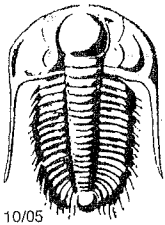
This is a photocopy of the actual AK-1 recorder chart.



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KANSAS CORPORATION COMMISSION

OCT 17 2007

CONSERVATION DIVISION  
WICHITA, KS



# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

28319

## Test Ticket

Well Name & No. Herman Oil #2 Test No. 4 Date 7-15-07  
 Company Ohio Kentucky Oil Corporation Zone Tested LKC-'K'  
 Address 110 E Lowry Lane, Lexington, Ky. 40503 Elevation 2347 KB 2342 GL  
 Co. Rep / Geo. Richard Bell Rig WW #8  
 Location: Sec. 18 Twp. 11s Rge. 23w Co. Trego State Ks  
 Comment: PO #12077 Release date / time: \_\_\_\_\_

Interval Tested 3904-3925 Initial Str Wt./Lbs. 50,000 Unseated Str Wt./Lbs. 50,000  
 Anchor Length 21' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 55,000  
 Top Packer Depth 3899 Tool Weight 2,000  
 Bottom Packer Depth 3904 Hole Size 7 7/8" Rubber Size 6 3/4"  
 Total Depth 3925 Wt. Pipe Run 0 Drill Collar Run 120  
 Mud Wt. 9.2 LCM Ys Vis. 46 WL 9.4 Drill Pipe Size 4 1/2 XH Ft. Run 3799  
 Blow Description IFP-Weak Blow, Built to 1/4"  
ISI-Dead  
FFP-Dead  
FSI-Dead

Recovery - Total Feet 5 GIP \_\_\_\_\_ Ft. in DC \_\_\_\_\_ Ft. in DP \_\_\_\_\_  
 Rec. 5 Feet of Mud w/oil specks %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 BHT 114' °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery \_\_\_\_\_ Chlorides 2,000 ppm System

|                                  | AK-1 | Alpine          | Recorder No.              | Test               |
|----------------------------------|------|-----------------|---------------------------|--------------------|
| (A) Initial Hydrostatic Mud      |      | <u>1942</u> PSI | <u>6719</u>               | <u>1100</u>        |
| (B) First Initial Flow Pressure  |      | <u>13</u> PSI   | (depth) <u>3907</u>       | Jars _____         |
| (C) First Final Flow Pressure    |      | <u>18</u> PSI   | Recorder No. <u>13221</u> | Safety Jt. _____   |
| (D) Initial Shut-In Pressure     |      | <u>1002</u> PSI | (depth) <u>3922</u>       | Circ Sub _____     |
| (E) Second Initial Flow Pressure |      | <u>19</u> PSI   | Recorder No. _____        | Sampler _____      |
| (F) Second Final Flow Pressure   |      | <u>21</u> PSI   | (depth) _____             | Straddle _____     |
| (G) Final Shut-In Pressure       |      | <u>1064</u> PSI | Initial Opening <u>30</u> | Ext. Packer _____  |
| (Q) Final Hydrostatic Mud        |      | <u>1924</u> PSI | Initial Shut-In <u>60</u> | Shale Packer _____ |

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Approved By Richard Bell PO 12077

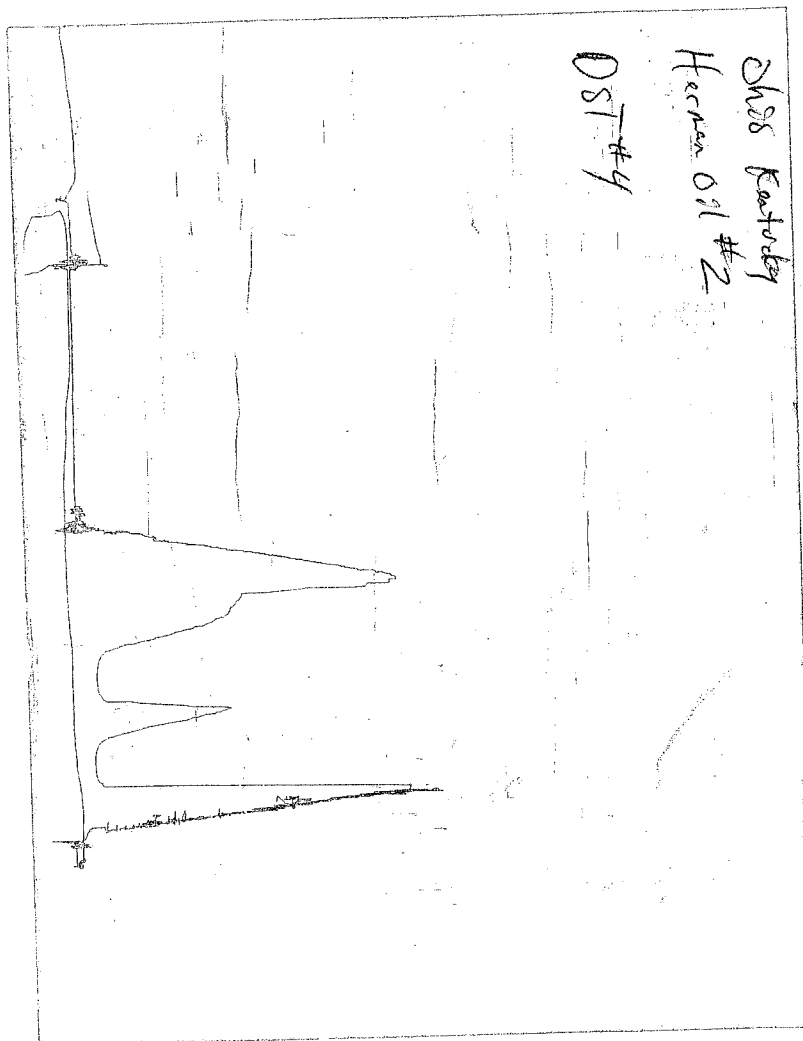
Our Representative J. Mc Loman

Final Flow 30  
 Final Shut-In 90  
 T-On Location 23153  
 T-Started 00:13  
 T-Open 1:34  
 T-Pulled 5:04  
 T-Out 6:28

Ruined Packer RECEIVED  
 Mileage 20 112.50  
 Sub Total: OCT 17 2007  
 Std. By \_\_\_\_\_  
 Acc. Chg. CONSERVATION DIVISION  
 Other: \_\_\_\_\_  
 Total: 11212.50

This is a photocopy of the actual AK-1 recorder chart.

**CHART PAGE**



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OCT 17 2007

CONSERVATION DIVISION  
WICHITA, KS