

## DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy & Develop**

PO Box 150  
Bogue KS 67625

**ORIGINAL**

ATTN: Mike Davignon

**3-7s-21w Graham Ks**

**Billops Bros "B"#2**

Start Date: 2002.07.20 @ 05:06:17

End Date: 2002.07.20 @ 09:34:46

Job Ticket #: 16434

DST #: 1

RECEIVED

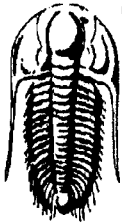
JAN 03 2003

KCC WICHITA

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



ORIGINAL

|  <b>TRILOBITE<br/>TESTING, INC.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <h2 style="margin: 0;">DRILL STEM TEST REPORT</h2>                                            |                                                                                                                                                                                     | <b>TOOL DIAGRAM</b> |                  |                |                         |          |            |                |  |                 |      |  |  |         |  |  |              |      |  |  |         |  |  |                |      |  |  |         |  |  |        |      |  |  |         |       |                      |        |      |  |  |         |  |  |       |      |  |  |         |  |  |          |      |      |        |         |  |  |              |       |  |  |         |  |  |          |      |       |         |         |  |  |          |      |  |  |         |       |                         |                           |              |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------------|----------------|-------------------------|----------|------------|----------------|--|-----------------|------|--|--|---------|--|--|--------------|------|--|--|---------|--|--|----------------|------|--|--|---------|--|--|--------|------|--|--|---------|-------|----------------------|--------|------|--|--|---------|--|--|-------|------|--|--|---------|--|--|----------|------|------|--------|---------|--|--|--------------|-------|--|--|---------|--|--|----------|------|-------|---------|---------|--|--|----------|------|--|--|---------|-------|-------------------------|---------------------------|--------------|--|--|--|--|--|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Great Eastern Energy & Develop<br><br>PO Box 150<br>Bogue KS 67625<br><br>ATTN: Mike Davignon | <b>Billops Bros "B" #2</b><br><br><b>3-7s-21w Graham Ks</b><br><br>Job Ticket: 16434 <b>DST#: 1</b><br><br>Test Start: 2002.07.20 @ 05:06:17                                        |                     |                  |                |                         |          |            |                |  |                 |      |  |  |         |  |  |              |      |  |  |         |  |  |                |      |  |  |         |  |  |        |      |  |  |         |       |                      |        |      |  |  |         |  |  |       |      |  |  |         |  |  |          |      |      |        |         |  |  |              |       |  |  |         |  |  |          |      |       |         |         |  |  |          |      |  |  |         |       |                         |                           |              |  |  |  |  |  |
| <b>Tool Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                               |                                                                                                                                                                                     |                     |                  |                |                         |          |            |                |  |                 |      |  |  |         |  |  |              |      |  |  |         |  |  |                |      |  |  |         |  |  |        |      |  |  |         |       |                      |        |      |  |  |         |  |  |       |      |  |  |         |  |  |          |      |      |        |         |  |  |              |       |  |  |         |  |  |          |      |       |         |         |  |  |          |      |  |  |         |       |                         |                           |              |  |  |  |  |  |
| Drill Pipe:      Length: 3184.00 ft    Diameter: 3.80 inches    Volume: 44.66 bbl<br>Heavy Wt. Pipe:    Length: 0.00 ft    Diameter: 0.00 inches    Volume: 0.00 bbl<br>Drill Collar:      Length: 120.00 ft    Diameter: 2.25 inches    Volume: 0.59 bbl<br><br>Drill Pipe Above KB:      13.00 ft<br>Depth to Top Packer:      3312.00 ft<br>Depth to Bottom Packer:      ft<br>Interval between Packers:    40.02 ft<br>Tool Length:              61.02 ft<br>Number of Packers:          2      Diameter: 6.75 inches<br>Tool Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Total Volume: 45.25 bbl                                                                       | Tool Weight: 2200.00 lb<br>Weight set on Packer: 25000.00 lb<br>Weight to Pull Loose: 40000.00 lb<br>Tool Chased 0.00 ft<br>String Weight: Initial 31000.00 lb<br>Final 31000.00 lb |                     |                  |                |                         |          |            |                |  |                 |      |  |  |         |  |  |              |      |  |  |         |  |  |                |      |  |  |         |  |  |        |      |  |  |         |       |                      |        |      |  |  |         |  |  |       |      |  |  |         |  |  |          |      |      |        |         |  |  |              |       |  |  |         |  |  |          |      |       |         |         |  |  |          |      |  |  |         |       |                         |                           |              |  |  |  |  |  |
| RECEIVED<br><br>JAN 03 2003<br><br>KCC WICHITA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                               |                                                                                                                                                                                     |                     |                  |                |                         |          |            |                |  |                 |      |  |  |         |  |  |              |      |  |  |         |  |  |                |      |  |  |         |  |  |        |      |  |  |         |       |                      |        |      |  |  |         |  |  |       |      |  |  |         |  |  |          |      |      |        |         |  |  |              |       |  |  |         |  |  |          |      |       |         |         |  |  |          |      |  |  |         |       |                         |                           |              |  |  |  |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Tool Description</th> <th style="width: 10%;">Length (ft)</th> <th style="width: 10%;">Serial No.</th> <th style="width: 10%;">Position</th> <th style="width: 10%;">Depth (ft)</th> <th style="width: 10%;">Accum. Lengths</th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr> <td>Change Over Sub</td> <td>1.00</td> <td></td> <td></td> <td>3292.00</td> <td></td> <td></td> </tr> <tr> <td>Shut In Tool</td> <td>5.00</td> <td></td> <td></td> <td>3297.00</td> <td></td> <td></td> </tr> <tr> <td>Hydraulic tool</td> <td>5.00</td> <td></td> <td></td> <td>3302.00</td> <td></td> <td></td> </tr> <tr> <td>Packer</td> <td>5.00</td> <td></td> <td></td> <td>3307.00</td> <td>21.00</td> <td>Bottom Of Top Packer</td> </tr> <tr> <td>Packer</td> <td>5.00</td> <td></td> <td></td> <td>3312.00</td> <td></td> <td></td> </tr> <tr> <td>Stubb</td> <td>1.00</td> <td></td> <td></td> <td>3313.00</td> <td></td> <td></td> </tr> <tr> <td>Recorder</td> <td>0.01</td> <td>3024</td> <td>Inside</td> <td>3313.01</td> <td></td> <td></td> </tr> <tr> <td>Perforations</td> <td>36.00</td> <td></td> <td></td> <td>3349.01</td> <td></td> <td></td> </tr> <tr> <td>Recorder</td> <td>0.01</td> <td>11085</td> <td>Outside</td> <td>3349.02</td> <td></td> <td></td> </tr> <tr> <td>Bullnose</td> <td>3.00</td> <td></td> <td></td> <td>3352.02</td> <td>40.02</td> <td>Bottom Packers &amp; Anchor</td> </tr> <tr> <td style="text-align: right;"><b>Total Tool Length:</b></td> <td><b>61.02</b></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> |                                                                                               |                                                                                                                                                                                     |                     | Tool Description | Length (ft)    | Serial No.              | Position | Depth (ft) | Accum. Lengths |  | Change Over Sub | 1.00 |  |  | 3292.00 |  |  | Shut In Tool | 5.00 |  |  | 3297.00 |  |  | Hydraulic tool | 5.00 |  |  | 3302.00 |  |  | Packer | 5.00 |  |  | 3307.00 | 21.00 | Bottom Of Top Packer | Packer | 5.00 |  |  | 3312.00 |  |  | Stubb | 1.00 |  |  | 3313.00 |  |  | Recorder | 0.01 | 3024 | Inside | 3313.01 |  |  | Perforations | 36.00 |  |  | 3349.01 |  |  | Recorder | 0.01 | 11085 | Outside | 3349.02 |  |  | Bullnose | 3.00 |  |  | 3352.02 | 40.02 | Bottom Packers & Anchor | <b>Total Tool Length:</b> | <b>61.02</b> |  |  |  |  |  |
| Tool Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Length (ft)                                                                                   | Serial No.                                                                                                                                                                          | Position            | Depth (ft)       | Accum. Lengths |                         |          |            |                |  |                 |      |  |  |         |  |  |              |      |  |  |         |  |  |                |      |  |  |         |  |  |        |      |  |  |         |       |                      |        |      |  |  |         |  |  |       |      |  |  |         |  |  |          |      |      |        |         |  |  |              |       |  |  |         |  |  |          |      |       |         |         |  |  |          |      |  |  |         |       |                         |                           |              |  |  |  |  |  |
| Change Over Sub                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.00                                                                                          |                                                                                                                                                                                     |                     | 3292.00          |                |                         |          |            |                |  |                 |      |  |  |         |  |  |              |      |  |  |         |  |  |                |      |  |  |         |  |  |        |      |  |  |         |       |                      |        |      |  |  |         |  |  |       |      |  |  |         |  |  |          |      |      |        |         |  |  |              |       |  |  |         |  |  |          |      |       |         |         |  |  |          |      |  |  |         |       |                         |                           |              |  |  |  |  |  |
| Shut In Tool                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5.00                                                                                          |                                                                                                                                                                                     |                     | 3297.00          |                |                         |          |            |                |  |                 |      |  |  |         |  |  |              |      |  |  |         |  |  |                |      |  |  |         |  |  |        |      |  |  |         |       |                      |        |      |  |  |         |  |  |       |      |  |  |         |  |  |          |      |      |        |         |  |  |              |       |  |  |         |  |  |          |      |       |         |         |  |  |          |      |  |  |         |       |                         |                           |              |  |  |  |  |  |
| Hydraulic tool                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5.00                                                                                          |                                                                                                                                                                                     |                     | 3302.00          |                |                         |          |            |                |  |                 |      |  |  |         |  |  |              |      |  |  |         |  |  |                |      |  |  |         |  |  |        |      |  |  |         |       |                      |        |      |  |  |         |  |  |       |      |  |  |         |  |  |          |      |      |        |         |  |  |              |       |  |  |         |  |  |          |      |       |         |         |  |  |          |      |  |  |         |       |                         |                           |              |  |  |  |  |  |
| Packer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 5.00                                                                                          |                                                                                                                                                                                     |                     | 3307.00          | 21.00          | Bottom Of Top Packer    |          |            |                |  |                 |      |  |  |         |  |  |              |      |  |  |         |  |  |                |      |  |  |         |  |  |        |      |  |  |         |       |                      |        |      |  |  |         |  |  |       |      |  |  |         |  |  |          |      |      |        |         |  |  |              |       |  |  |         |  |  |          |      |       |         |         |  |  |          |      |  |  |         |       |                         |                           |              |  |  |  |  |  |
| Packer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 5.00                                                                                          |                                                                                                                                                                                     |                     | 3312.00          |                |                         |          |            |                |  |                 |      |  |  |         |  |  |              |      |  |  |         |  |  |                |      |  |  |         |  |  |        |      |  |  |         |       |                      |        |      |  |  |         |  |  |       |      |  |  |         |  |  |          |      |      |        |         |  |  |              |       |  |  |         |  |  |          |      |       |         |         |  |  |          |      |  |  |         |       |                         |                           |              |  |  |  |  |  |
| Stubb                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1.00                                                                                          |                                                                                                                                                                                     |                     | 3313.00          |                |                         |          |            |                |  |                 |      |  |  |         |  |  |              |      |  |  |         |  |  |                |      |  |  |         |  |  |        |      |  |  |         |       |                      |        |      |  |  |         |  |  |       |      |  |  |         |  |  |          |      |      |        |         |  |  |              |       |  |  |         |  |  |          |      |       |         |         |  |  |          |      |  |  |         |       |                         |                           |              |  |  |  |  |  |
| Recorder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.01                                                                                          | 3024                                                                                                                                                                                | Inside              | 3313.01          |                |                         |          |            |                |  |                 |      |  |  |         |  |  |              |      |  |  |         |  |  |                |      |  |  |         |  |  |        |      |  |  |         |       |                      |        |      |  |  |         |  |  |       |      |  |  |         |  |  |          |      |      |        |         |  |  |              |       |  |  |         |  |  |          |      |       |         |         |  |  |          |      |  |  |         |       |                         |                           |              |  |  |  |  |  |
| Perforations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 36.00                                                                                         |                                                                                                                                                                                     |                     | 3349.01          |                |                         |          |            |                |  |                 |      |  |  |         |  |  |              |      |  |  |         |  |  |                |      |  |  |         |  |  |        |      |  |  |         |       |                      |        |      |  |  |         |  |  |       |      |  |  |         |  |  |          |      |      |        |         |  |  |              |       |  |  |         |  |  |          |      |       |         |         |  |  |          |      |  |  |         |       |                         |                           |              |  |  |  |  |  |
| Recorder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.01                                                                                          | 11085                                                                                                                                                                               | Outside             | 3349.02          |                |                         |          |            |                |  |                 |      |  |  |         |  |  |              |      |  |  |         |  |  |                |      |  |  |         |  |  |        |      |  |  |         |       |                      |        |      |  |  |         |  |  |       |      |  |  |         |  |  |          |      |      |        |         |  |  |              |       |  |  |         |  |  |          |      |       |         |         |  |  |          |      |  |  |         |       |                         |                           |              |  |  |  |  |  |
| Bullnose                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3.00                                                                                          |                                                                                                                                                                                     |                     | 3352.02          | 40.02          | Bottom Packers & Anchor |          |            |                |  |                 |      |  |  |         |  |  |              |      |  |  |         |  |  |                |      |  |  |         |  |  |        |      |  |  |         |       |                      |        |      |  |  |         |  |  |       |      |  |  |         |  |  |          |      |      |        |         |  |  |              |       |  |  |         |  |  |          |      |       |         |         |  |  |          |      |  |  |         |       |                         |                           |              |  |  |  |  |  |
| <b>Total Tool Length:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>61.02</b>                                                                                  |                                                                                                                                                                                     |                     |                  |                |                         |          |            |                |  |                 |      |  |  |         |  |  |              |      |  |  |         |  |  |                |      |  |  |         |  |  |        |      |  |  |         |       |                      |        |      |  |  |         |  |  |       |      |  |  |         |  |  |          |      |      |        |         |  |  |              |       |  |  |         |  |  |          |      |       |         |         |  |  |          |      |  |  |         |       |                         |                           |              |  |  |  |  |  |



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Great Eastern Energy & Develop

**Billups Bros "B"#2**

PO Box 150  
Bogue KS 67625

**3-7s-21w Graham Ks**

Job Ticket: 16434

**DST#: 1**

ATTN: Mike Davignon

Test Start: 2002.07.20 @ 05:06:17

### 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: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.51 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 2.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description | Volume<br>bbl |
|--------------|-------------|---------------|
| 0.00         | no recovery | 0.000         |

Total Length:

ft

Total Volume:

bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

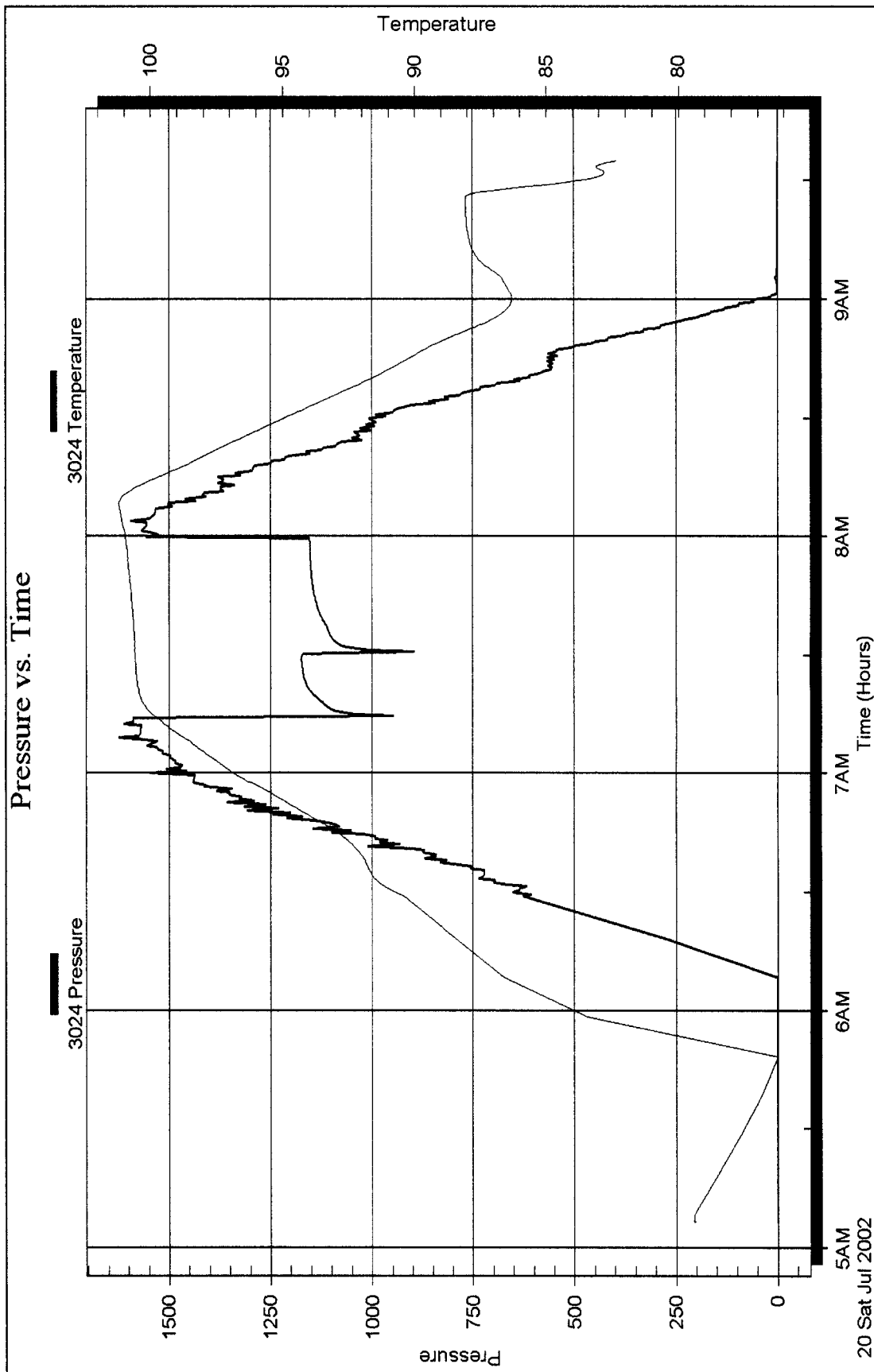
DST Test Number: 1

3-7s-21w Graham Ks

Great Eastern Energy & Develop

Inside

Serial #: 3024

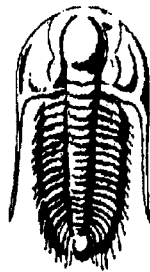


RECEIVED  
JAN 03 2003  
KCC WILMOTA

Ref. No: 16434

Trilobite Testing, Inc

Printed: 2002.07.25 @ 17:26:24 Page 5



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

RECEIVED  
JAN 03 2003  
KOC WICHITA

## DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy & Develop**

PO Box 150  
Bogue KS 67625

ATTN: Mike Davignon

**3-7s-21w Graham Ks**

**Billops Bros "B"#2**

Start Date: 2002.07.20 @ 18:09:56

End Date: 2002.07.20 @ 23:36:25

Job Ticket #: 16435      DST #: 2

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



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

## DRILL STEM TEST REPORT

Great Eastern Energy & Develop

PO Box 150  
Bogue KS 67625

ATTN: Mike Davignon

**Billops Bros "B" #2**

**3-7s-21w Graham Ks**

Job Ticket: 16435

**DST#: 2**

Test Start: 2002.07.20 @ 18:09:56

### GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:53:55

Time Test Ended: 23:36:25

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 16

Interval: **3386.00 ft (KB) To 3426.00 ft (KB) (TVD)**

Total Depth: 3426.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Good

Reference Elevations: 2190.00 ft (KB)

2185.00 ft (CF)

KB to GR/CF: 5.00 ft

### Serial #: 3024

Press@RunDepth: 56.94 psig @ ft (KB)

Start Date: 2002.07.20

End Date:

2002.07.20

Capacity: 7000.00 psig

Last Calib.: 2002.07.20

Start Time: 18:09:56

End Time:

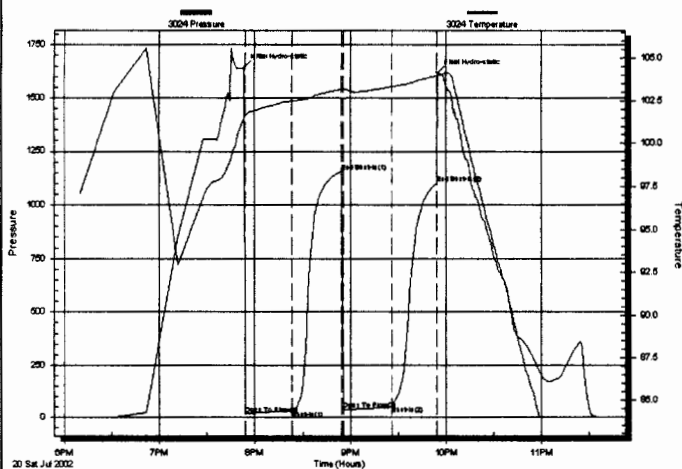
23:36:25

Time On Btm: 2002.07.20 @ 19:53:25

Time Off Btm: 2002.07.20 @ 21:54:25

TEST COMMENT: IFP-w k bl thru-out 1/4"bl  
FFP-w k bl thru-out 1/4"bl  
Times 30-30-30-30

Pressure vs. Time



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1642.76         | 101.49       | Initial Hydro-static |
| 1           | 16.71           | 101.61       | Open To Flow (1)     |
| 30          | 32.05           | 102.48       | Shut-In (1)          |
| 61          | 1152.25         | 103.15       | End Shut-In (1)      |
| 62          | 36.14           | 103.18       | Open To Flow (2)     |
| 93          | 56.94           | 103.31       | Shut-In (2)          |
| 121         | 1099.76         | 103.92       | End Shut-In (2)      |
| 121         | 1618.23         | 103.94       | Final Hydro-static   |

### Recovery

| Length (ft) | Description         | Volume (bbl) |
|-------------|---------------------|--------------|
| 25.00       | Clean Oil           | 0.12         |
| 45.00       | HOOM 30%oil 70% mud | 0.22         |
|             |                     |              |
|             |                     |              |
|             |                     |              |
|             |                     |              |

### Gas Rates

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



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

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastern Energy & Develop

PO Box 150  
Bogue KS 67625

ATTN: Mike Davignon

**Billops Bros "B" #2**

**3-7s-21w Graham Ks**

Job Ticket: 16435

DST#: 2

Test Start: 2002.07.20 @ 18:09:56

### Tool Information

Drill Pipe: Length: 3275.00 ft Diameter: 3.80 inches Volume: 45.94 bbl  
Heavy Wt. Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl  
Drill Collar: Length: 120.00 ft Diameter: 2.25 inches Volume: 0.59 bbl  
Total Volume: 46.53 bbl

Drill Pipe Above KB: 30.00 ft  
Depth to Top Packer: 3386.00 ft  
Depth to Bottom Packer: ft  
Interval between Packers: 40.02 ft  
Tool Length: 61.02 ft  
Number of Packers: 2 Diameter: 6.75 inches

Tool Weight: 2200.00 lb

Weight set on Packer: 25000.00 lb

Weight to Pull Loose: 45000.00 lb

Tool Chased

String Weight: Initial 31000.00 lb

Final 31000.00 lb

JAN 03 2003

100 WILSON

Tool Comments:

### Tool Description

| Tool Description   | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|--------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub    | 1.00        |            |          | 3366.00    |                               |
| Shut In Tool       | 5.00        |            |          | 3371.00    |                               |
| Hydraulic tool     | 5.00        |            |          | 3376.00    |                               |
| Packer             | 5.00        |            |          | 3381.00    | 21.00 Bottom Of Top Packer    |
| Packer             | 5.00        |            |          | 3386.00    |                               |
| Stubb              | 1.00        |            |          | 3387.00    |                               |
| Recorder           | 0.01        | 3024       | Inside   | 3387.01    |                               |
| Perforations       | 36.00       |            |          | 3423.01    |                               |
| Recorder           | 0.01        | 11085      | Outside  | 3423.02    |                               |
| Bullnose           | 3.00        |            |          | 3426.02    | 40.02 Bottom Packers & Anchor |
| Total Tool Length: | 61.02       |            |          |            |                               |



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Great Eastern Energy & Develop

**Billups Bros "B"#2**

PO Box 150  
Bogue KS 67625

**3-7s-21w Graham Ks**

Job Ticket: 16435

**DST#: 2**

ATTN: Mike Davignon

Test Start: 2002.07.20 @ 18:09:56

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.13 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 2.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description        | Volume<br>bbl |
|--------------|--------------------|---------------|
| 25.00        | Clean Oil          | 0.123         |
| 45.00        | HOCM 30%oil 70%mud | 0.221         |

Total Length: 70.00 ft

Total Volume: 0.344 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

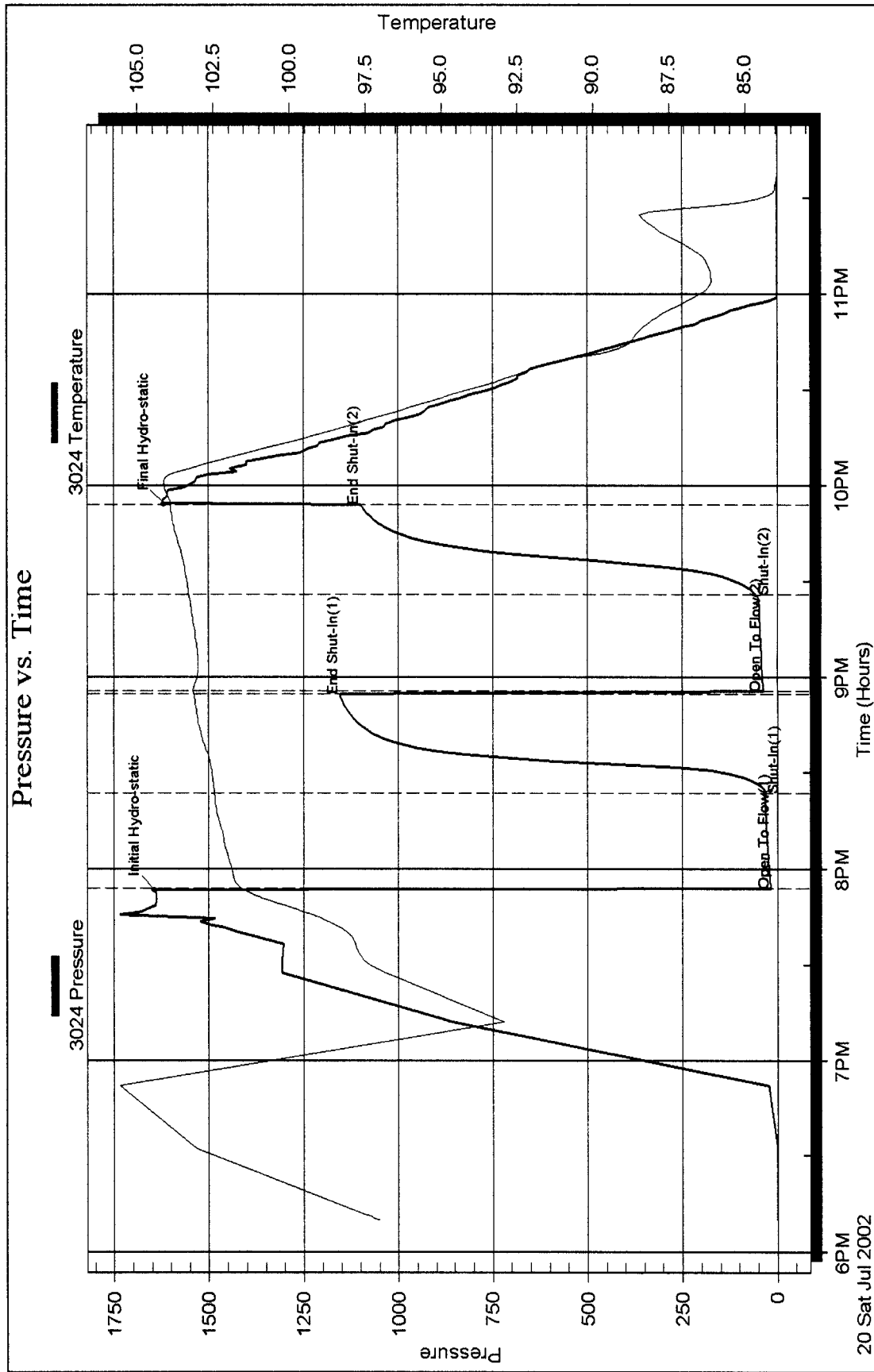
Recovery Comments:

Serial #: 3024

Great Eastern Energy & Develop

3-7s-21w Graham Ks

DST Test Number: 2

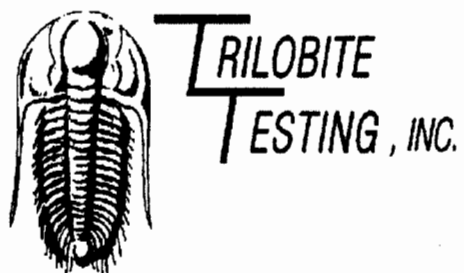


Trilobite Testing, Inc

Ref. No: 16435

RECEIVED  
JAN 03 2003  
KOC WILSON

Printed: 2002.07.25 @ 17:27:54 Page 5



## DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy & Develop**

PO Box 150  
Bogue KS 67625

ATTN: Mike Davignon

**3-7s-21w Graham Ks**

**Billops Bros "B"#2**

Start Date: 2002.07.21 @ 05:40:44

End Date: 2002.07.21 @ 10:06:14

Job Ticket #: 16436                      DST #: 3

RECEIVED  
JAN 03 2003  
KCC WIS

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



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

## DRILL STEM TEST REPORT

Great Eastern Energy & Develop

PO Box 150  
Bogue KS 67625

ATTN: Mike Davignon

**Billups Bros "B"#2**

**3-7s-21w Graham Ks**

Job Ticket: 16436

**DST#: 3**

Test Start: 2002.07.21 @ 05:40:44

### GENERAL INFORMATION:

Formation: **LKC**

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

Time Tool Opened: 07:26:14

Time Test Ended: 10:06:14

Test Type: **Conventional Bottom Hole**

Tester: **Ray Schwager**

Unit No: **16**

Interval: **3385.00 ft (KB) To 3445.00 ft (KB) (TVD)**

Total Depth: **3445.00 ft (KB) (TVD)**

Hole Diameter: **7.85 inches** Hole Condition: **Good**

Reference Elevations: **2190.00 ft (KB)**

**2185.00 ft (CF)**

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

### Serial #: 3024

Press@RunDepth: **67.74 psig @ ft (KB)**

Start Date: **2002.07.21**

End Date:

**2002.07.21**

Start Time: **05:40:45**

End Time:

**10:06:14**

Capacity: **7000.00 psig**

Last Calib.: **2002.07.21**

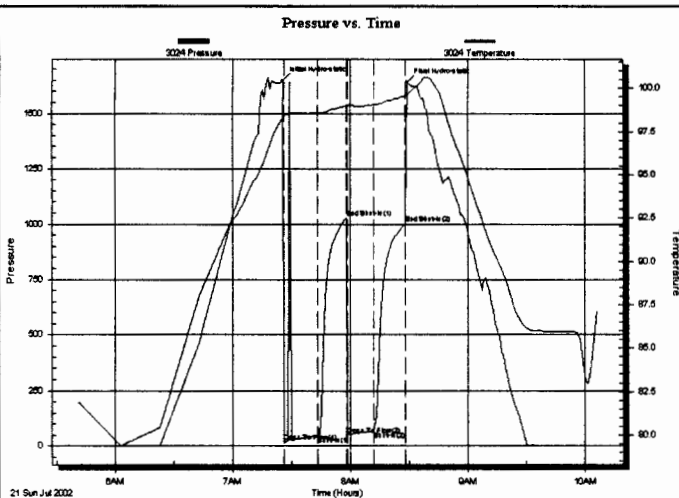
Time On Btm: **2002.07.21 @ 07:25:44**

Time Off Btm: **2002.07.21 @ 08:29:14**

TEST COMMENT: **IFP-w k surg, no bl, flushed tool**

**FFP-w k bl thru-out 1/4"bl**

**Times 15-15-15**



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1648.03         | 98.26        | Initial Hydro-static |
| 1           | 17.97           | 98.36        | Open To Flow (1)     |
| 18          | 46.13           | 98.57        | Shut-In(1)           |
| 33          | 1028.15         | 98.98        | End Shut-In(1)       |
| 33          | 50.80           | 99.02        | Open To Flow (2)     |
| 47          | 67.74           | 99.07        | Shut-In(2)           |
| 63          | 1001.85         | 99.59        | End Shut-In(2)       |
| 64          | 1641.74         | 99.63        | Final Hydro-static   |

### Recovery

| Length (ft) | Description       | Volume (bbl) |
|-------------|-------------------|--------------|
| 75.00       | OCM 10%oil 90%mud | 0.37         |
|             |                   |              |
|             |                   |              |
|             |                   |              |
|             |                   |              |

### Gas Rates

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



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

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastern Energy & Develop

PO Box 150  
Bogue KS 67625

ATTN: Mike Davignon

**Billops Bros "B" #2**

**3-7s-21w Graham Ks**

Job Ticket: 16436

**DST#: 3**

Test Start: 2002.07.21 @ 05:40:44

### Tool Information

|                           |                    |                       |                         |                                    |
|---------------------------|--------------------|-----------------------|-------------------------|------------------------------------|
| Drill Pipe:               | Length: 3275.00 ft | Diameter: 3.80 inches | Volume: 45.94 bbl       | Tool Weight: 2200.00 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: 45000.00 lb  |
|                           |                    |                       | Total Volume: 46.53 bbl | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 31.00 ft           |                       |                         | String Weight: Initial 31000.00 lb |
| Depth to Top Packer:      | 3385.00 ft         |                       |                         | Final 31000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                         |                                    |
| Interval between Packers: | 60.02 ft           |                       |                         |                                    |
| Tool Length:              | 81.02 ft           |                       |                         |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                         |                                    |
| Tool Comments:            |                    |                       |                         |                                    |

RECEIVED  
JAN 03 2003  
KOOVING

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 3365.00    |                               |
| Shut In Tool     | 5.00        |            |          | 3370.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 3375.00    |                               |
| Packer           | 5.00        |            |          | 3380.00    | 21.00 Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 3385.00    |                               |
| Stubb            | 1.00        |            |          | 3386.00    |                               |
| Perforations     | 4.00        |            |          | 3390.00    |                               |
| Change Over Sub  | 1.00        |            |          | 3391.00    |                               |
| Recorder         | 0.01        | 3024       | Inside   | 3391.01    |                               |
| Blank Spacing    | 30.00       |            |          | 3421.01    |                               |
| Change Over Sub  | 1.00        |            |          | 3422.01    |                               |
| Perforations     | 20.00       |            |          | 3442.01    |                               |
| Recorder         | 0.01        | 11085      | Outside  | 3442.02    |                               |
| Bullnose         | 3.00        |            |          | 3445.02    | 60.02 Bottom Packers & Anchor |

**Total Tool Length: 81.02**



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Great Eastern Energy & Develop

**Billups Bros "B"#2**

PO Box 150  
Bogue KS 67625

**3-7s-21w Graham Ks**

Job Ticket: 16436

**DST#: 3**

ATTN: Mike Davignon

Test Start: 2002.07.21 @ 05:40:44

### 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: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.13 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 2.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description       | Volume<br>bbl |
|--------------|-------------------|---------------|
| 75.00        | OCM 10%oil 90%mud | 0.369         |

Total Length: 75.00 ft

Total Volume: 0.369 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

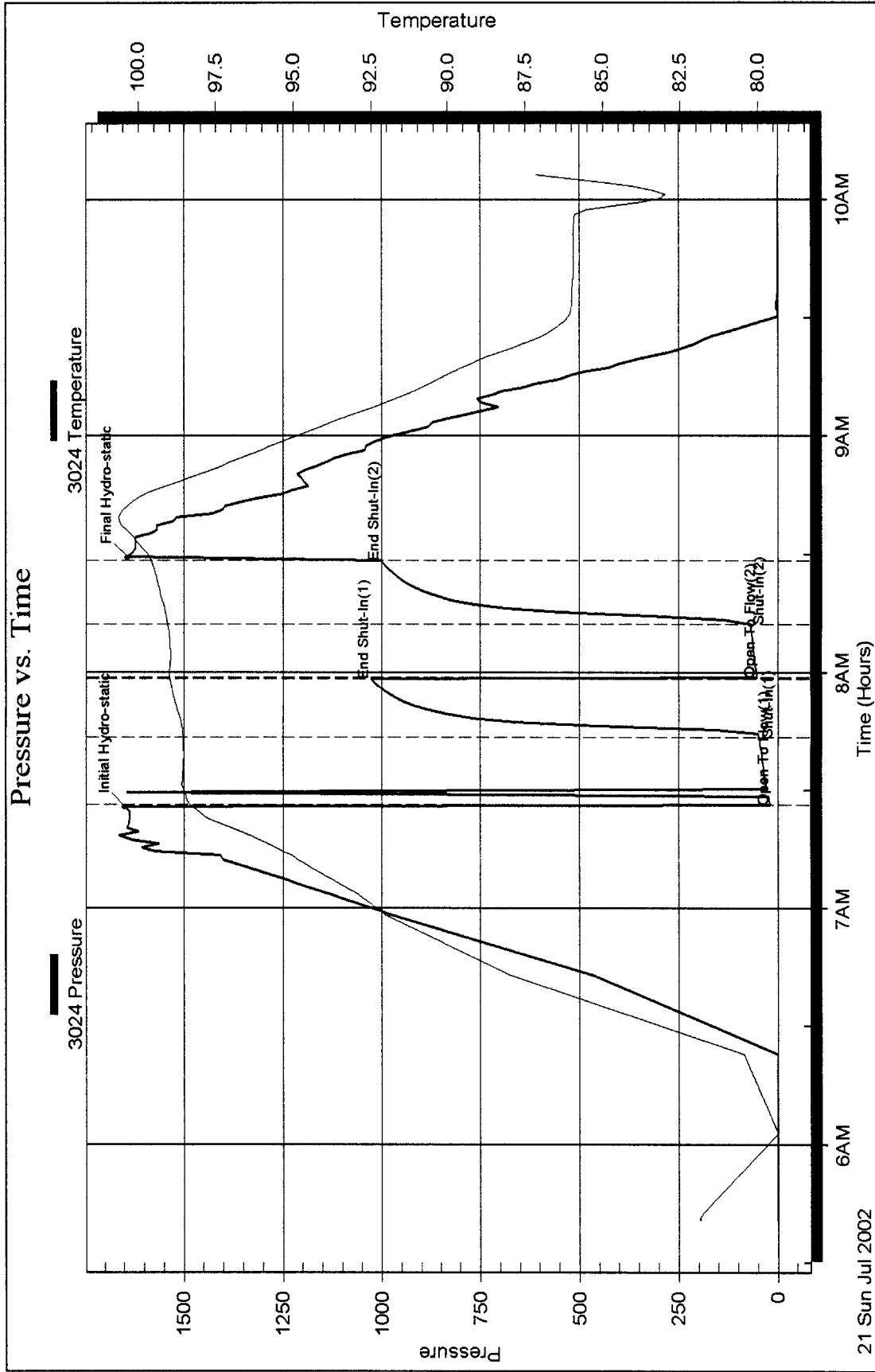
Recovery Comments:

Serial #: 3024

Great Eastern Energy & Develop

3-7s-21w Graham Ks

DST Test Number: 3

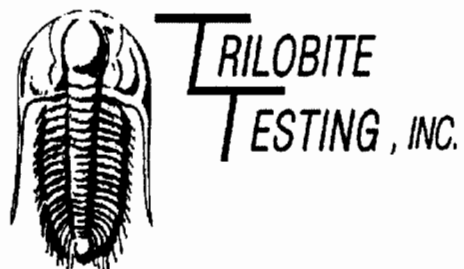


RECEIVED  
JAN 03 2003  
100V100000

Tribolite Testing, Inc

Ref. No: 16436

Printed: 2002.07.25 @ 17:29:34 Page 5



## DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy & Develop**

PO Box 150  
Bogue KS 67625

ATTN: Mike Davignon

**3-7s-21w Graham Ks**

**Billops Bros "B"#2**

Start Date: 2002.07.21 @ 16:12:55

End Date: 2002.07.21 @ 23:39:54

Job Ticket #: 16437      DST #: 4

RECEIVED  
JAN 03 2003  
HOOVER

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



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

## DRILL STEM TEST REPORT

Great Eastern Energy & Develop

PO Box 150  
Bogue KS 67625

ATTN: Mike Davignon

**Billups Bros "B" #2**

**3-7s-21w Graham Ks**

Job Ticket: 16437

**DST#: 4**

Test Start: 2002.07.21 @ 16:12:55

### GENERAL INFORMATION:

Formation: **LKC**

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

Time Tool Opened: 18:12:24

Time Test Ended: 23:39:54

Test Type: **Conventional Bottom Hole**

Tester: **Ray Schwager**

Unit No: **16**

Interval: **3445.00 ft (KB) To 3470.00 ft (KB) (TVD)**

Total Depth: **3470.00 ft (KB) (TVD)**

Hole Diameter: **7.85 inches** Hole Condition: **Good**

Reference Elevations: **2190.00 ft (KB)**

**2185.00 ft (CF)**

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

### Serial #: 3024

Press@RunDepth: **264.61 psig @ ft (KB)**

Start Date: **2002.07.21** End Date: **2002.07.21**

Start Time: **16:12:55** End Time: **23:39:54**

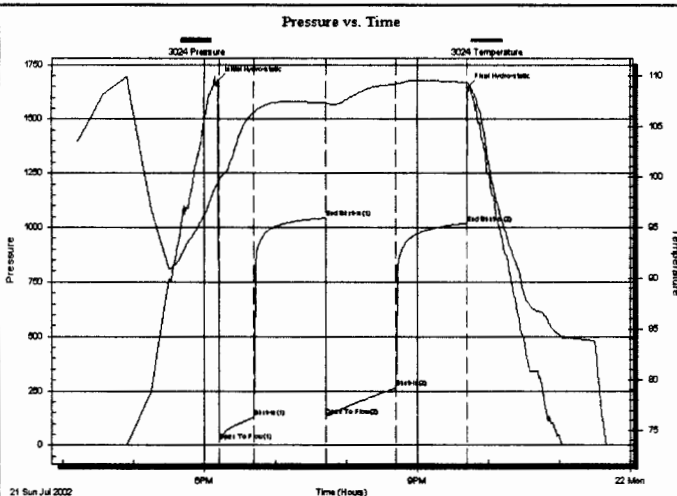
Capacity: **7000.00 psig**

Last Calib.: **2002.07.22**

Time On Btm: **2002.07.21 @ 18:11:54**

Time Off Btm: **2002.07.21 @ 21:42:24**

TEST COMMENT: IFP-w k to strg in 23 min  
FFP-w k to a strg bl in 55 min  
Times 30-60-60-60  
w k bl bk on shut-in 1/4" to surface bl



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1677.09         | 99.41        | Initial Hydro-static |
| 1           | 18.17           | 99.54        | Open To Flow (1)     |
| 30          | 129.92          | 106.33       | Shut-In (1)          |
| 91          | 1043.75         | 107.33       | End Shut-In (1)      |
| 91          | 132.59          | 107.34       | Open To Flow (2)     |
| 150         | 264.61          | 109.18       | Shut-In (2)          |
| 210         | 1019.39         | 109.33       | End Shut-In (2)      |
| 211         | 1646.19         | 109.35       | Final Hydro-static   |

### Recovery

| Length (ft) | Description           | Volume (bbl) |
|-------------|-----------------------|--------------|
| 440.00      | w ater RW.09@76F      | 5.08         |
| 85.00       | MW 15% mud 85% w ater | 1.19         |
| 5.00        | oil                   | 0.07         |
|             |                       |              |
|             |                       |              |
|             |                       |              |

### Gas Rates

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



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

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastern Energy & Develop

PO Box 150  
Bogue KS 67625

ATTN: Mike Davignon

**Billops Bros "B"#2**

**3-7s-21w Graham Ks**

Job Ticket: 16437

**DST#: 4**

Test Start: 2002.07.21 @ 16:12:55

### Tool Information

|                           |                    |                       |                         |                        |             |
|---------------------------|--------------------|-----------------------|-------------------------|------------------------|-------------|
| Drill Pipe:               | Length: 3309.00 ft | Diameter: 3.80 inches | Volume: 46.42 bbl       | Tool Weight:           | 2200.00 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:  | 40000.00 lb |
|                           |                    |                       | Total Volume: 47.01 bbl | Tool Chased            | 0.00 ft     |
| Drill Pipe Above KB:      | 5.00 ft            |                       |                         | String Weight: Initial | 31000.00 lb |
| Depth to Top Packer:      | 3445.00 ft         |                       |                         | Final                  | 32000.00 lb |
| Depth to Bottom Packer:   | ft                 |                       |                         |                        |             |
| Interval between Packers: | 25.02 ft           |                       |                         |                        |             |
| Tool Length:              | 46.02 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         |            |          | 3425.00    |                               |
| Shut In Tool              | 5.00         |            |          | 3430.00    |                               |
| Hydraulic tool            | 5.00         |            |          | 3435.00    |                               |
| Packer                    | 5.00         |            |          | 3440.00    | 21.00 Bottom Of Top Packer    |
| Packer                    | 5.00         |            |          | 3445.00    |                               |
| Stubb                     | 1.00         |            |          | 3446.00    |                               |
| Recorder                  | 0.01         | 3024       | Inside   | 3446.01    |                               |
| Perforations              | 21.00        |            |          | 3467.01    |                               |
| Recorder                  | 0.01         | 11085      | Outside  | 3467.02    |                               |
| Bullnose                  | 3.00         |            |          | 3470.02    | 25.02 Bottom Packers & Anchor |
| <b>Total Tool Length:</b> | <b>46.02</b> |            |          |            |                               |



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

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Great Eastern Energy & Develop

**Billups Bros "B"#2**

PO Box 150  
Bogue KS 67625

**3-7s-21w Graham Ks**

Job Ticket: 16437

**DST#: 4**

ATTN: Mike Davignon

Test Start: 2002.07.21 @ 16:12:55

### 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:

82000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.15 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 2.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description          | Volume<br>bbl |
|--------------|----------------------|---------------|
| 440.00       | water RW.09@76F      | 5.079         |
| 85.00        | MW 15% mud 85% water | 1.192         |
| 5.00         | oil                  | 0.070         |

Total Length: 530.00 ft

Total Volume: 6.341 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

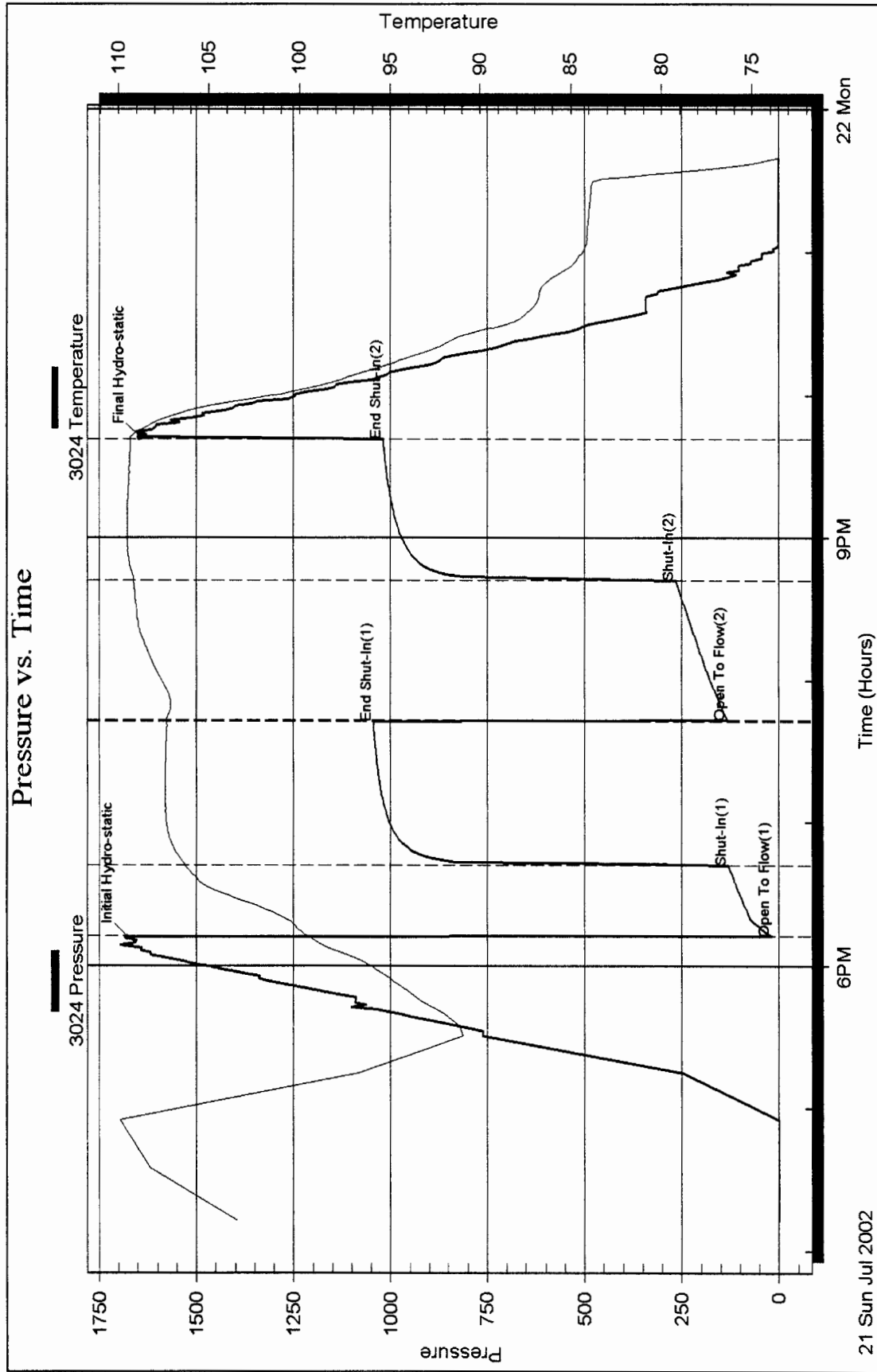
Recovery Comments:

Serial #: 3024

Great Eastern Energy & Develop

3-7s-21w Graham Ks

DST Test Number: 4

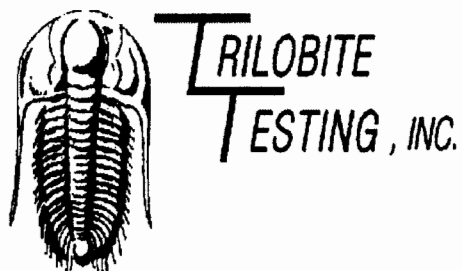


RESERVED  
JAN 03 2003  
KOC WELLS

Trilobite Testing, Inc

Ref. No: 16437

Printed: 2002.07.25 @ 17:30:54 Page 5



## DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy & Develop**

PO Box 150  
Bogue KS 67625

ATTN: Mike Davignon

**3-7s-21w Graham Ks**

**Billops Bros "B"#2**

Start Date: 2002.07.22 @ 05:32:02

End Date: 2002.07.22 @ 11:27:01

Job Ticket #: 16438      DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

RECEIVED  
JAN 03 2003  
KCOH.3.11



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Great Eastern Energy & Develop

PO Box 150  
Bogue KS 67625

ATTN: Mike Davignon

**Billups Bros "B"#2**

**3-7s-21w Graham Ks**

Job Ticket: 16438

**DST#: 5**

Test Start: 2002.07.22 @ 05:32:02

### GENERAL INFORMATION:

Formation: **LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:13:01

Time Test Ended: 11:27:01

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 16

Interval: **3470.00 ft (KB) To 3490.00 ft (KB) (TVD)**

Total Depth: 3490.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Good

Reference Elevations: 2190.00 ft (KB)

2185.00 ft (CF)

KB to GR/CF: 5.00 ft

### Serial #: 3024

Press@RunDepth: 155.76 psig @ ft (KB)

Start Date: 2002.07.22

End Date:

2002.07.22

Capacity: 7000.00 psig

Last Calib.: 2002.07.22

Start Time: 05:32:02

End Time:

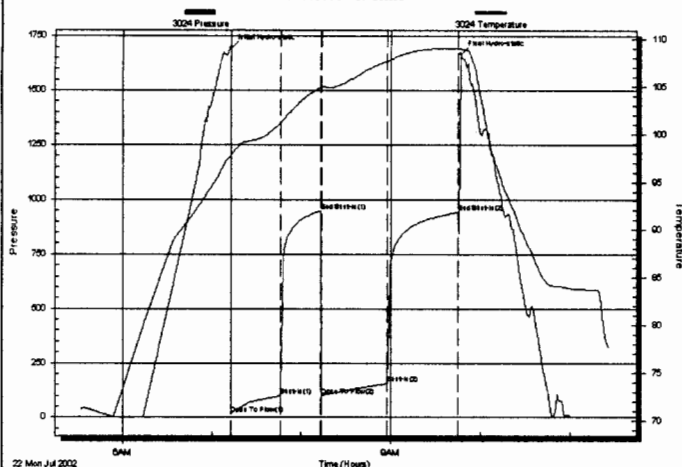
11:27:01

Time On Btm: 2002.07.22 @ 07:12:31

Time Off Btm: 2002.07.22 @ 09:46:31

TEST COMMENT: IFP-w k bl thru-out 1/2" to 2" bl  
FFP-w k bl thru-out 1/4" to 3" bl  
Times 30-30-45-45  
no bl on shut-in

Pressure vs. Time



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1694.21         | 97.72        | Initial Hydro-static |
| 1           | 17.51           | 97.87        | Open To Flow (1)     |
| 34          | 98.96           | 101.19       | Shut-In (1)          |
| 61          | 948.44          | 104.89       | End Shut-In (1)      |
| 61          | 101.02          | 104.95       | Open To Flow (2)     |
| 105         | 155.76          | 107.67       | Shut-In (2)          |
| 153         | 942.43          | 108.99       | End Shut-In (2)      |
| 154         | 1668.08         | 108.97       | Final Hydro-static   |

### Recovery

| Length (ft) | Description          | Volume (bbl) |
|-------------|----------------------|--------------|
| 180.00      | water RW.09@75       | 1.43         |
| 85.00       | MW 20% mud 80% water | 1.19         |
| 5.00        | oil                  | 0.07         |
|             |                      |              |
|             |                      |              |
|             |                      |              |

### Gas Rates

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



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

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastern Energy & Develop

**Billops Bros "B" #2**

PO Box 150  
Bogue KS 67625

**3-7s-21w Graham Ks**

Job Ticket: 16438

**DST#: 5**

ATTN: Mike Davignon

Test Start: 2002.07.22 @ 05:32:02

### Tool Information

|                           |                    |                       |                         |                                    |
|---------------------------|--------------------|-----------------------|-------------------------|------------------------------------|
| Drill Pipe:               | Length: 3339.00 ft | Diameter: 3.80 inches | Volume: 46.84 bbl       | Tool Weight: 2200.00 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: 45000.00 lb  |
|                           |                    |                       | Total Volume: 47.43 bbl | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 10.00 ft           |                       |                         | String Weight: Initial 30000.00 lb |
| Depth to Top Packer:      | 3470.00 ft         |                       |                         | Final 31000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                         |                                    |
| Interval between Packers: | 20.02 ft           |                       |                         |                                    |
| Tool Length:              | 41.02 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         |            |          | 3450.00    |                               |
| Shut In Tool              | 5.00         |            |          | 3455.00    |                               |
| Hydraulic tool            | 5.00         |            |          | 3460.00    |                               |
| Packer                    | 5.00         |            |          | 3465.00    | 21.00 Bottom Of Top Packer    |
| Packer                    | 5.00         |            |          | 3470.00    |                               |
| Stubb                     | 1.00         |            |          | 3471.00    |                               |
| Recorder                  | 0.01         | 3024       | Inside   | 3471.01    |                               |
| Perforations              | 16.00        |            |          | 3487.01    |                               |
| Recorder                  | 0.01         | 11085      | Outside  | 3487.02    |                               |
| Bullnose                  | 3.00         |            |          | 3490.02    | 20.02 Bottom Packers & Anchor |
| <b>Total Tool Length:</b> | <b>41.02</b> |            |          |            |                               |



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Great Eastern Energy & Develop

**Billops Bros "B" #2**

PO Box 150  
Bogue KS 67625

**3-7s-21w Graham Ks**

Job Ticket: 16438

**DST#: 5**

ATTN: Mike Davignon

Test Start: 2002.07.22 @ 05:32:02

### 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:

81000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.15 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 2.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description          | Volume<br>bbl |
|--------------|----------------------|---------------|
| 180.00       | water RW.09@75       | 1.432         |
| 85.00        | MW 20% mud 80% water | 1.192         |
| 5.00         | oil                  | 0.070         |

Total Length: 270.00 ft

Total Volume: 2.694 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

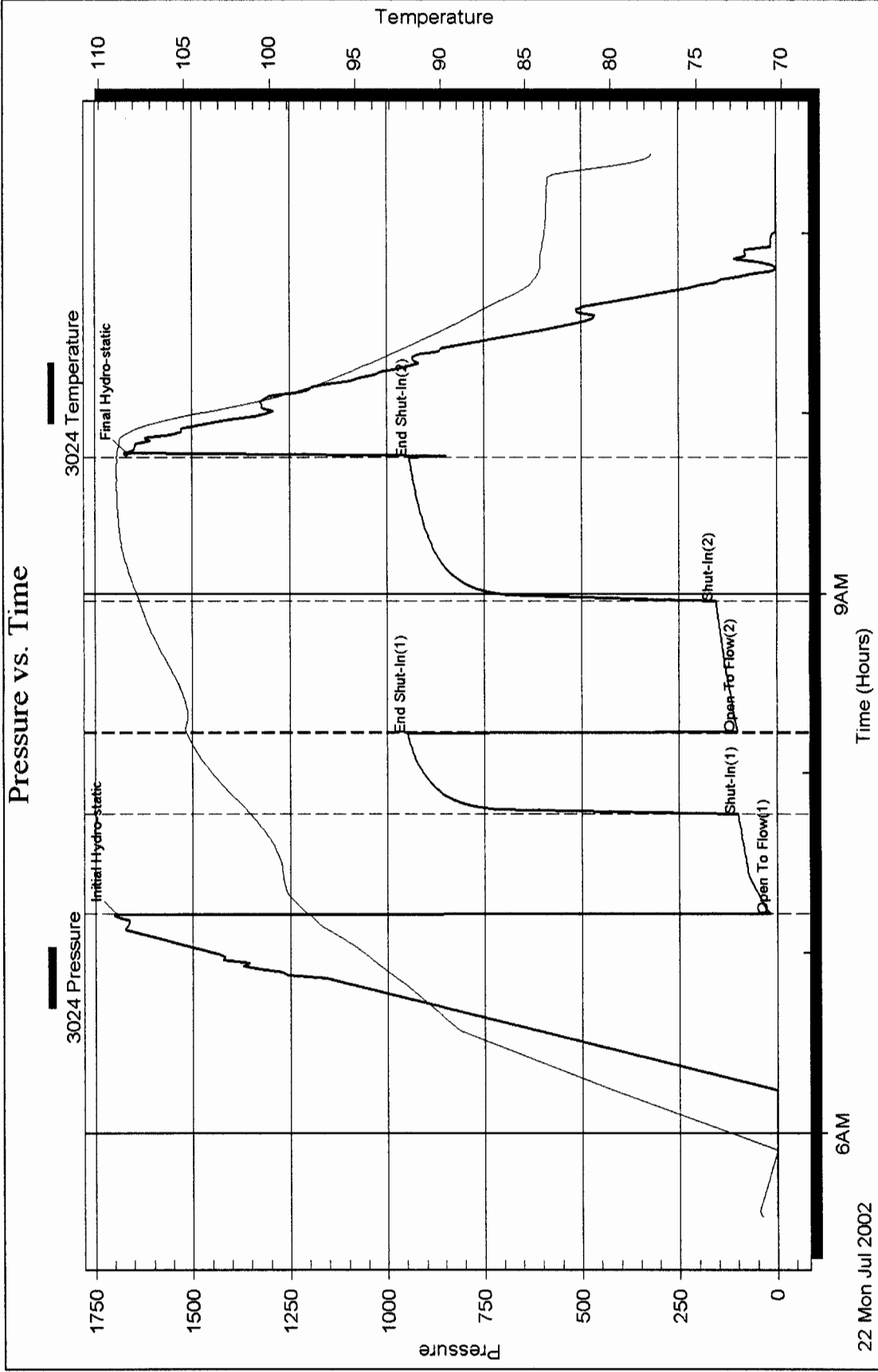
Serial #: 3024

Great Eastern Energy & Develop

3-7s-21w Graham Ks

DST Test Number: 5

### Pressure vs. Time

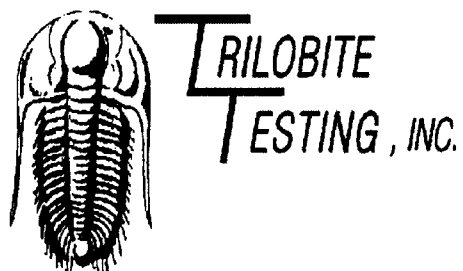


RECEIVED  
JAN 03 2003  
100 WILSON

Trilobite Testing, Inc

Ref. No: 16438

Printed: 2002.07.25 @ 17:32:21 Page 5



## DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy & Develop**

PO Box 150  
Bogue KS 67625

RECEIVED  
JAN 03 2003  
KCC VICTORIA

ATTN: Mike Davignon

### **3-7s-21w Graham Ks**

#### **Billops Bros "B"#2**

Start Date: 2002.07.22 @ 17:11:57

End Date: 2002.07.22 @ 23:59:26

Job Ticket #: 16439      DST #: 6

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



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

## DRILL STEM TEST REPORT

Great Eastern Energy & Develop

PO Box 150  
Bogue KS 67625

ATTN: Mike Davignon

**Billups Bros "B" #2**

**3-7s-21w Graham Ks**

Job Ticket: 16439

**DST#: 6**

Test Start: 2002.07.22 @ 17:11:57

### GENERAL INFORMATION:

Formation: **LKC**

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

Time Tool Opened: 18:32:26

Time Test Ended: 23:59:26

Test Type: **Conventional Bottom Hole**

Tester: **Ray Schwager**

Unit No: **16**

Interval: **3490.00 ft (KB) To 3510.00 ft (KB) (TVD)**

Total Depth: **3510.00 ft (KB) (TVD)**

Hole Diameter: **7.85 inches** Hole Condition: **Good**

Reference Elevations: **2190.00 ft (KB)**

**2185.00 ft (CF)**

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

### Serial #: 3024

Press@RunDepth: **250.35 psig @ ft (KB)**

Start Date: **2002.07.22**

End Date:

**2002.07.22**

Start Time: **17:11:57**

End Time:

**23:59:26**

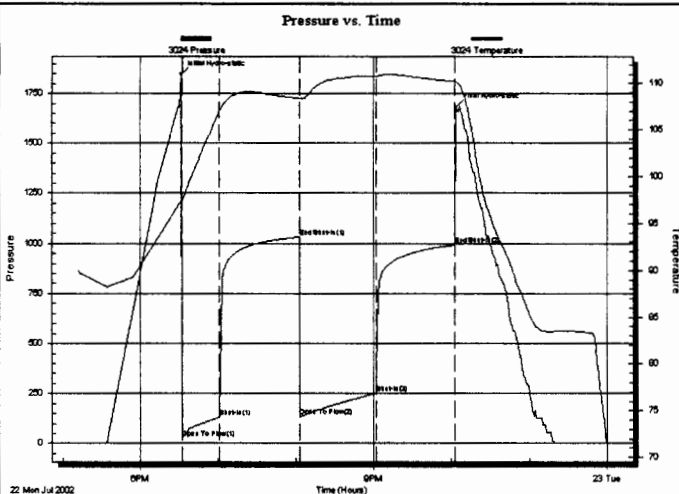
Capacity: **7000.00 psig**

Last Calib.: **2002.07.23**

Time On Btm: **2002.07.22 @ 18:31:26**

Time Off Btm: **2002.07.22 @ 22:03:56**

TEST COMMENT: IFP-w k to strg in 20 min  
FFP-w k to strg in 33 min  
Times 30-60-60-60  
w k bl on shut-in 1/4" to surface bl



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1846.54         | 97.30        | Initial Hydro-static |
| 1           | 25.52           | 97.35        | Open To Flow (1)     |
| 30          | 131.85          | 107.04       | Shut-In (1)          |
| 92          | 1031.75         | 108.36       | End Shut-In (1)      |
| 92          | 134.33          | 108.39       | Open To Flow (2)     |
| 151         | 250.35          | 110.79       | Shut-In (2)          |
| 212         | 993.02          | 110.21       | End Shut-In (2)      |
| 213         | 1680.73         | 110.17       | Final Hydro-static   |

### Recovery

| Length (ft) | Description                | Volume (bbl) |
|-------------|----------------------------|--------------|
| 460.00      | water RW.09@71             | 5.36         |
| 60.00       | OCMW 8%oil 30%mud 62%water | 0.84         |
| 50.00       | Clean Oil                  | 0.70         |
|             |                            |              |
|             |                            |              |
|             |                            |              |

### Gas Rates

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



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

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastern Energy & Develop

PO Box 150  
Bogue KS 67625

ATTN: Mike Davignon

**Billops Bros "B" #2**

**3-7s-21w Graham Ks**

Job Ticket: 16439

**DST#: 6**

Test Start: 2002.07.22 @ 17:11:57

### Tool Information

|                           |                    |                       |                   |                        |             |
|---------------------------|--------------------|-----------------------|-------------------|------------------------|-------------|
| Drill Pipe:               | Length: 3369.00 ft | Diameter: 3.80 inches | Volume: 47.26 bbl | Tool Weight:           | 2200.00 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:  | 45000.00 lb |
|                           |                    | Total Volume:         | 47.85 bbl         | Tool Chased            | 0.00 ft     |
| Drill Pipe Above KB:      | 20.00 ft           |                       |                   | String Weight: Initial | 31000.00 lb |
| Depth to Top Packer:      | 3490.00 ft         |                       |                   | Final                  | 31000.00 lb |
| Depth to Bottom Packer:   | ft                 |                       |                   |                        |             |
| Interval between Packers: | 20.02 ft           |                       |                   |                        |             |
| Tool Length:              | 41.02 ft           |                       |                   |                        |             |
| Number of Packers:        | 2                  | Diameter:             | 6.75 inches       |                        |             |
| Tool Comments:            |                    |                       |                   |                        |             |

RECEIVED  
JAN 03 2003  
1001111111

### Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|----------------|
|------------------|-------------|------------|----------|------------|----------------|

|                           |              |       |         |         |                               |
|---------------------------|--------------|-------|---------|---------|-------------------------------|
| Change Over Sub           | 1.00         |       |         | 3470.00 |                               |
| Shut In Tool              | 5.00         |       |         | 3475.00 |                               |
| Hydraulic tool            | 5.00         |       |         | 3480.00 |                               |
| Packer                    | 5.00         |       |         | 3485.00 | 21.00 Bottom Of Top Packer    |
| Packer                    | 5.00         |       |         | 3490.00 |                               |
| Stubb                     | 1.00         |       |         | 3491.00 |                               |
| Recorder                  | 0.01         | 3024  | Inside  | 3491.01 |                               |
| Perforations              | 16.00        |       |         | 3507.01 |                               |
| Recorder                  | 0.01         | 11085 | Outside | 3507.02 |                               |
| Bullnose                  | 3.00         |       |         | 3510.02 | 20.02 Bottom Packers & Anchor |
| <b>Total Tool Length:</b> | <b>41.02</b> |       |         |         |                               |



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Great Eastern Energy & Develop

**Billops Bros "B"#2**

PO Box 150  
Bogue KS 67625

**3-7s-21w Graham Ks**

Job Ticket: 16439

**DST#: 6**

ATTN: Mike Davignon

Test Start: 2002.07.22 @ 17:11:57

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

87000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

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

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 2.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description                | Volume<br>bbl |
|--------------|----------------------------|---------------|
| 460.00       | water RW.09@71             | 5.359         |
| 60.00        | OCMW 8%oil 30%mud 62%water | 0.842         |
| 50.00        | Clean Oil                  | 0.701         |

Total Length: 570.00 ft

Total Volume: 6.902 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

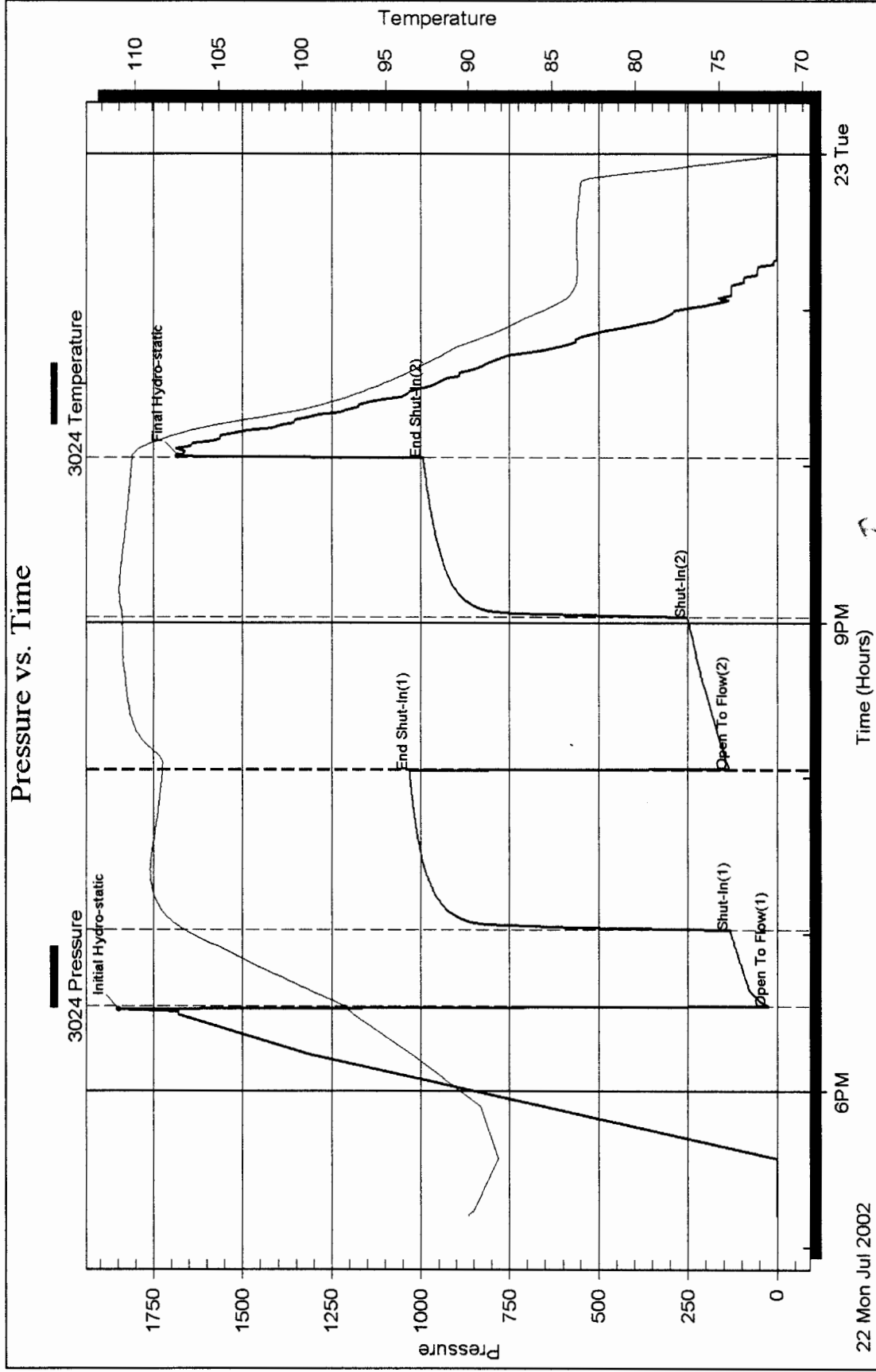
Serial #: 3024

Great Eastern Energy & Develop

3-7s-21w Graham Ks

DST Test Number: 6

## Pressure vs. Time

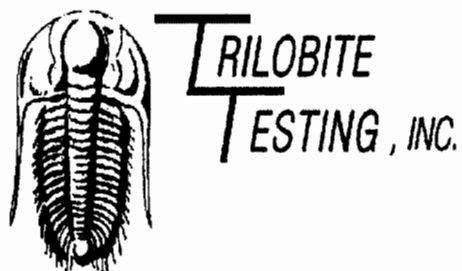


RECEIVED  
JAN 03 2003  
ROOM 1

Trilobite Testing, Inc

Ref. No: 16439

Printed: 2002.07.25 @ 17:33:40 Page 5



## DRILL STEM TEST REPORT

Prepared For: **Great Eastern Energy & Develop**

PO Box 150  
Bogue KS 67625

ATTN: Mike Davignon

**3-7s-21w Graham Ks**

**Billops Bros "B"#2**

Start Date: 2002.07.23 @ 08:28:27

End Date: 2002.07.23 @ 15:53:26

Job Ticket #: 16440      DST #: 7

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



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

## DRILL STEM TEST REPORT

Great Eastern Energy & Develop

PO Box 150  
Bogue KS 67625

ATTN: Mike Davignon

**Billops Bros "B" #2**

**3-7s-21w Graham Ks**

Job Ticket: 16440

**DST#: 7**

Test Start: 2002.07.23 @ 08:28:27

### GENERAL INFORMATION:

Formation: **LKC**

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

Time Tool Opened: 10:24:56

Time Test Ended: 15:53:26

Test Type: **Conventional Bottom Hole**

Tester: **Ray Schwager**

Unit No: **16**

Interval: **3565.00 ft (KB) To 3590.00 ft (KB) (TVD)**

Total Depth: **3590.00 ft (KB) (TVD)**

Hole Diameter: **7.85 inches** Hole Condition: **Good**

Reference Elevations: **2190.00 ft (KB)**

**2185.00 ft (CF)**

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

### Serial #: 3024

Press@RunDepth: **414.55 psig @ ft (KB)**

Start Date: **2002.07.23**

End Date:

**2002.07.23**

Start Time: **08:28:27**

End Time:

**15:53:26**

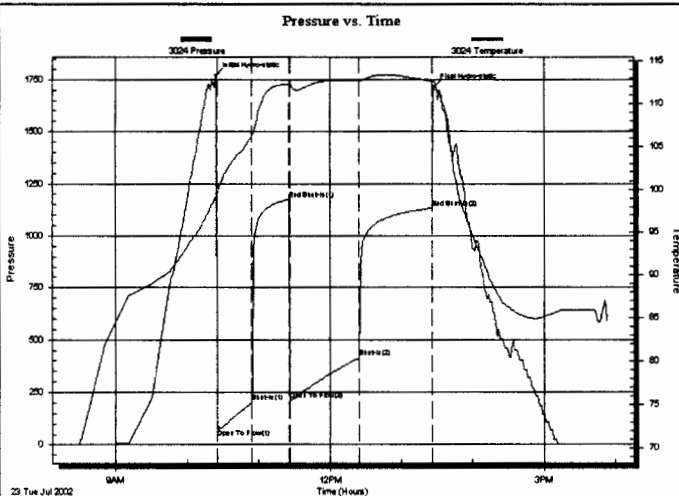
Capacity: **7000.00 psig**

Last Calib.: **2002.07.23**

Time On Btm: **2002.07.23 @ 10:24:26**

Time Off Btm: **2002.07.23 @ 13:27:26**

TEST COMMENT: IFP-w k to strg in 3 min  
FFP-strg bl thru-out  
Times 30-30-60-60  
Strg bl in 15 min on shut-in



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1769.93         | 99.19        | Initial Hydro-static |
| 1           | 35.01           | 99.25        | Open To Flow (1)     |
| 30          | 202.56          | 106.17       | Shut-In (1)          |
| 62          | 1175.75         | 112.15       | End Shut-In (1)      |
| 62          | 214.48          | 112.17       | Open To Flow (2)     |
| 121         | 414.55          | 112.64       | Shut-In (2)          |
| 182         | 1133.81         | 112.54       | End Shut-In (2)      |
| 183         | 1713.96         | 112.48       | Final Hydro-static   |

### Recovery

| Length (ft) | Description              | Volume (bbl) |
|-------------|--------------------------|--------------|
| 185.00      | MGO 10%gas 55%oil 35%mud | 1.50         |
| 1005.00     | Clean Oil                | 14.10        |
| 1050.00     | Gip                      | 14.73        |
|             |                          |              |
|             |                          |              |
|             |                          |              |

### Gas Rates

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



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

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Eastern Energy & Develop

PO Box 150  
Bogue KS 67625

ATTN: Mike Davignon

**Billops Bros "B" #2**

**3-7s-21w Graham Ks**

Job Ticket: 16440

**DST#: 7**

Test Start: 2002.07.23 @ 08:28:27

### Tool Information

|                           |                    |                         |                   |                                    |
|---------------------------|--------------------|-------------------------|-------------------|------------------------------------|
| Drill Pipe:               | Length: 3434.00 ft | Diameter: 3.80 inches   | Volume: 48.17 bbl | Tool Weight: 2200.00 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: 45000.00 lb  |
|                           |                    | Total Volume: 48.76 bbl |                   | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 10.00 ft           |                         |                   | String Weight: Initial 32000.00 lb |
| Depth to Top Packer:      | 3565.00 ft         |                         |                   | Final 38000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                         |                   |                                    |
| Interval between Packers: | 25.02 ft           |                         |                   |                                    |
| Tool Length:              | 46.02 ft           |                         |                   |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches   |                   |                                    |
| Tool Comments:            |                    |                         |                   |                                    |

RECEIVED  
JAN 03 2003  
MOORE

### Tool Description

| Tool Description   | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|--------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub    | 1.00        |            |          | 3545.00    |                               |
| Shut In Tool       | 5.00        |            |          | 3550.00    |                               |
| Hydraulic tool     | 5.00        |            |          | 3555.00    |                               |
| Packer             | 5.00        |            |          | 3560.00    | 21.00 Bottom Of Top Packer    |
| Packer             | 5.00        |            |          | 3565.00    |                               |
| Stubb              | 1.00        |            |          | 3566.00    |                               |
| Recorder           | 0.01        | 3024       | Inside   | 3566.01    |                               |
| Perforations       | 21.00       |            |          | 3587.01    |                               |
| Recorder           | 0.01        | 11085      | Outside  | 3587.02    |                               |
| Bullnose           | 3.00        |            |          | 3590.02    | 25.02 Bottom Packers & Anchor |
| Total Tool Length: | 46.02       |            |          |            |                               |



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Great Eastern Energy & Develop

**Billups Bros "B"#2**

PO Box 150  
Bogue KS 67625

**3-7s-21w Graham Ks**

Job Ticket: 16440

**DST#: 7**

ATTN: Mike Davignon

Test Start: 2002.07.23 @ 08:28:27

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

41 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: 2.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description              | Volume<br>bbl |
|--------------|--------------------------|---------------|
| 185.00       | MGO 10%gas 55%oil 35%mud | 1.502         |
| 1005.00      | Clean Oil                | 14.098        |
| 1050.00      | Gip                      | 14.729        |

Total Length: 2240.00 ft

Total Volume: 30.329 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

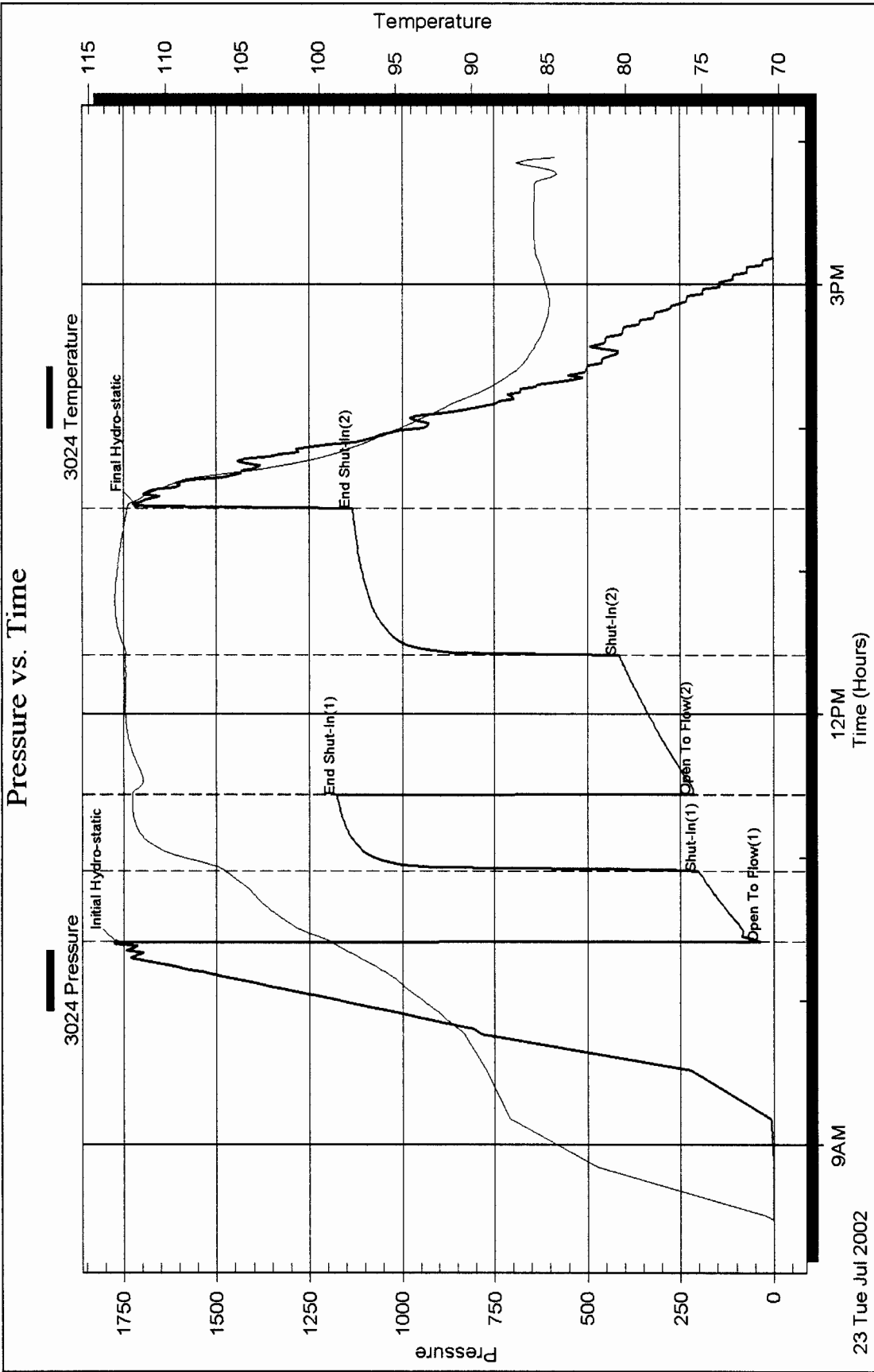
Serial #: 3024

Great Eastern Energy & Develop

3-7s-21w Graham Ks

DST Test Number: 7

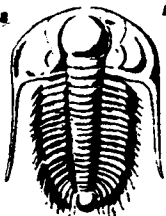
### Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 16440

Printed: 2002.07.25 @ 17:35:04 Page 5



# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16434

## Test Ticket

|                 |                                         |                           |                      |                 |                          |
|-----------------|-----------------------------------------|---------------------------|----------------------|-----------------|--------------------------|
| Well Name & No. | <u>Billops Bros "B" #2</u>              | Test No.                  | <u>1</u>             | Date            | <u>7-20-02</u>           |
| Company         | <u>GREAT EASTERN Energy Development</u> |                           | Zone Tested          | <u>Topeka</u>   |                          |
| Address         | <u>P.O. Box 150 Bogue, Ks 67625</u>     |                           | Elevation            | <u>2190</u>     | KB <u>2185</u> GL        |
| Co. Rep / Geo.  | <u>Mike Daugaen</u>                     | Cont.                     | <u>Murfin B</u>      | Est. Ft. of Pay | <u>-</u> Por. <u>-</u> % |
| Location: Sec.  | <u>3</u>                                | Twp.                      | <u>7<sup>s</sup></u> | Rge.            | <u>21<sup>w</sup></u>    |
|                 |                                         |                           | Co.                  | <u>GRAHAM</u>   | State <u>K</u>           |
| No. of Copies   | <u>Reg</u>                              | Distribution Sheet (Y, N) | <u>-</u>             | Turnkey (Y, N)  | <u>-</u>                 |
|                 |                                         | Evaluation (Y, N)         | <u>-</u>             |                 |                          |

|                                                              |                                               |                      |                 |                       |              |
|--------------------------------------------------------------|-----------------------------------------------|----------------------|-----------------|-----------------------|--------------|
| Interval Tested                                              | <u>3312-3352</u>                              | Initial Str Wt./Lbs. | <u>31000</u>    | Unseated Str Wt./Lbs. | <u>31000</u> |
| Anchor Length                                                | <u>40</u>                                     | Wt. Set Lbs.         | <u>25000</u>    | Wt. Pulled Loose/Lbs. | <u>40000</u> |
| Top Packer Depth                                             | <u>3307</u>                                   | Tool Weight          | <u>2200</u>     |                       |              |
| Bottom Packer Depth                                          | <u>3312</u>                                   | Hole Size — 7 7/8"   | <u>yes</u>      | Rubber Size — 6 3/4"  | <u>yes</u>   |
| Total Depth                                                  | <u>3352</u>                                   | Wt. Pipe Run         | <u>-</u>        | Drill Collar Run      | <u>120</u>   |
| Mud Wt. <u>8.8</u> LCM <u>-</u> Vis. <u>52</u> WL <u>7.6</u> |                                               | Drill Pipe Size      | <u>4 1/2 XH</u> | Ft. Run               | <u>3184</u>  |
| Blow Description                                             | <u>IFP - WPAK SURFACE Blow died in 10 min</u> |                      |                 |                       |              |
|                                                              | <u>FFP -</u>                                  |                      |                 |                       |              |

|                       |          |            |                           |              |          |                      |                                  |
|-----------------------|----------|------------|---------------------------|--------------|----------|----------------------|----------------------------------|
| Recovery — Total Feet | <u>-</u> | GIP        | <u>-</u>                  | Ft. in DC    | <u>-</u> | Ft. in DP            | <u>-</u>                         |
| Rec.                  | <u>0</u> | Feet Of    | <u>NO Recovery</u>        | %gas         | %oil     | %water               | %mud                             |
| Rec.                  |          | Feet Of    | <u>w/oil spots in mud</u> | %gas         | %oil     | %water               | %mud                             |
| Rec.                  |          | Feet Of    | <u>in Tool</u>            | %gas         | %oil     | %water               | %mud                             |
| Rec.                  |          | Feet Of    |                           | %gas         | %oil     | %water               | %mud                             |
| Rec.                  |          | Feet Of    | <u>MISRUN plugged</u>     | %gas         | %oil     | %water               | %mud                             |
| BHT                   |          | °F Gravity | <u>-</u>                  | °API D@      | <u>-</u> | °F Corrected Gravity | <u>-</u>                         |
|                       |          |            |                           |              |          |                      | °API                             |
| RW                    | <u>-</u> | @          | <u>-</u>                  | °F Chlorides | <u>-</u> | ppm Recovery         | Chlorides <u>1600</u> ppm System |

|                                  |      |                     |              |                |             |
|----------------------------------|------|---------------------|--------------|----------------|-------------|
|                                  | AK-1 | Alpine              |              |                |             |
| (A) Initial Hydrostatic Mud      |      | PSI Recorder No.    | <u>3024</u>  | T-On Location  | <u>0430</u> |
| (B) First Initial Flow Pressure  |      | PSI (depth)         | <u>3813</u>  | T-Started      | <u>0506</u> |
| (C) First Final Flow Pressure    |      | PSI Recorder No.    | <u>11085</u> | T-Open         | <u>0710</u> |
| (D) Initial Shut-In Pressure     |      | PSI (depth)         | <u>3349</u>  | T-Pulled       | <u>0755</u> |
| (E) Second Initial Flow Pressure |      | PSI Recorder No.    | <u>-</u>     | T-Out          | <u>0930</u> |
| (F) Second Final Flow Pressure   |      | PSI (depth)         | <u>-</u>     | T-Off Location | <u>1000</u> |
| (G) Final Shut-in Pressure       |      | PSI Initial Opening | <u>15</u>    | Test           | <u>✓</u>    |
| (Q) Final Hydrostatic Mud        |      | PSI Initial Shut-in | <u>30</u>    | Jars           | <u>-</u>    |
|                                  |      | Final Flow          | <u>-</u>     | Safety Joint   | <u>-</u>    |
|                                  |      | Final Shut-in       | <u>-</u>     | Straddle       | <u>-</u>    |

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGE 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.

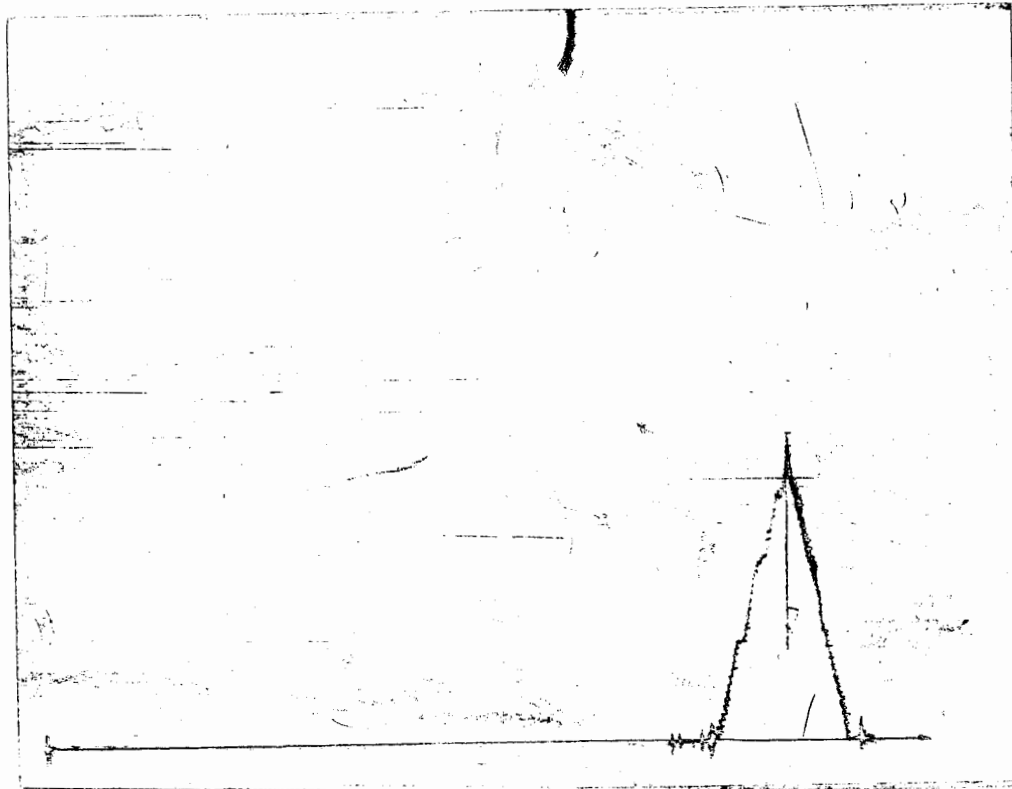
Approved By \_\_\_\_\_

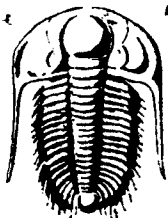
Our Representative RAY SCHWAGER ThnKyou

Mileage ✓63  
Other \_\_\_\_\_  
TOTAL PRICE \$ ✓

## CHART PAGE

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





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16435

## Test Ticket

|                 |                                          |                           |                      |                 |                                                         |
|-----------------|------------------------------------------|---------------------------|----------------------|-----------------|---------------------------------------------------------|
| Well Name & No. | <u>Billops Bros "B" #2</u>               | Test No.                  | <u>2</u>             | Date            | <u>7-26-02</u>                                          |
| Company         | <u>GREAT EASTERN Energy &amp; Devel.</u> | Zone Tested               | <u>TORONTO</u>       |                 |                                                         |
| Address         | <u>P.O. Box 150 Bogue, Ks 67625</u>      | Elevation                 | <u>2190</u>          | KB              | <u>2185</u> GL                                          |
| Co. Rep / Geo.  | <u>MIKE DAUIGNON</u>                     | Cont.                     | <u>MURFIN B</u>      | Est. Ft. of Pay | <u>    </u> Por. <u>    </u> %                          |
| Location: Sec.  | <u>3</u>                                 | Twp.                      | <u>7<sup>s</sup></u> | Rge.            | <u>21<sup>n</sup></u> Co. <u>GRAHAM</u> State <u>Ks</u> |
| No. of Copies   | <u>Reg</u>                               | Distribution Sheet (Y, N) | <u>    </u>          | Turnkey (Y, N)  | <u>    </u> Evaluation (Y, N) <u>    </u>               |

|                                                            |                                                                                            |                      |                   |                       |              |
|------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------|-------------------|-----------------------|--------------|
| Interval Tested                                            | <u>3386-3426</u>                                                                           | Initial Str Wt./Lbs. | <u>31000</u>      | Unseated Str Wt./Lbs. | <u>31000</u> |
| Anchor Length                                              | <u>40</u>                                                                                  | Wt. Set Lbs.         | <u>25000</u>      | Wt. Pulled Loose/Lbs. | <u>45000</u> |
| Top Packer Depth                                           | <u>3381</u>                                                                                | Tool Weight          | <u>2200</u>       |                       |              |
| Bottom Packer Depth                                        | <u>3386</u>                                                                                | Hole Size — 7 7/8"   | <u>yes</u>        | Rubber Size — 6 3/4"  | <u>yes</u>   |
| Total Depth                                                | <u>3426</u>                                                                                | Wt. Pipe Run         | <u>    </u>       | Drill Collar Run      | <u>120</u>   |
| Mud Wt. <u>9</u> LCM <u>-</u> Vis. <u>50</u> WL <u>7.2</u> |                                                                                            | Drill Pipe Size      | <u>4 1/2 X 11</u> | Ft. Run               | <u>3275</u>  |
| Blow Description                                           | <u>IFP - WEAK Blow Throughout 1/4" Blow</u><br><u>FFP - WEAK Blow Throughout 1/4" Blow</u> |                      |                   |                       |              |

|                        |              |                  |              |                |                      |                |          |
|------------------------|--------------|------------------|--------------|----------------|----------------------|----------------|----------|
| Recovery — Total Feet  | <u>70</u>    | GIP              | <u>-</u>     | Ft. in DC      | <u>70</u>            | Ft. in DP      | <u>-</u> |
| Rec. <u>25</u>         | Feet Of      | <u>CLEAN OIL</u> | %gas         | %oil           | %water               | %mud           |          |
| Rec. <u>45</u>         | Feet Of      | <u>HOCM</u>      | %gas         | <u>30</u> %oil | %water               | <u>70</u> %mud |          |
| Rec. <u>    </u>       | Feet Of      | <u>    </u>      | %gas         | %oil           | %water               | %mud           |          |
| Rec. <u>    </u>       | Feet Of      | <u>    </u>      | %gas         | %oil           | %water               | %mud           |          |
| Rec. <u>    </u>       | Feet Of      | <u>    </u>      | %gas         | %oil           | %water               | %mud           |          |
| BHT <u>103</u>         | °F Gravity   | <u>33</u>        | °API D@      | <u>60</u>      | °F Corrected Gravity | <u>33</u>      | °API     |
| RW <u>-</u> @ <u>-</u> | °F Chlorides | <u>-</u>         | ppm Recovery | Chlorides      | <u>1600</u>          | ppm System     |          |

|                                  |             |        |             |               |                 |              |                |                  |
|----------------------------------|-------------|--------|-------------|---------------|-----------------|--------------|----------------|------------------|
| (A) Initial Hydrostatic Mud      | <u>AK-1</u> | Alpine | 1638        | PSI           | Recorder No.    | <u>3024</u>  | T-On Location  | <u>1745</u>      |
| (B) First Initial Flow Pressure  |             |        | <u>16</u>   | PSI           | (depth)         | <u>3387</u>  | T-Started      | <u>1809</u> 5.45 |
| (C) First Final Flow Pressure    |             |        | <u>32</u>   | PSI           | Recorder No.    | <u>11085</u> | T-Open         | <u>1952</u>      |
| (D) Initial Shut-In Pressure     |             |        | <u>1152</u> | PSI           | (depth)         | <u>3423</u>  | T-Pulled       | <u>2150</u>      |
| (E) Second Initial Flow Pressure |             |        | <u>36</u>   | PSI           | Recorder No.    | <u>-</u>     | T-Out          | <u>2330</u>      |
| (F) Second Final Flow Pressure   |             |        | <u>56</u>   | PSI           | (depth)         | <u>-</u>     | T-Off Location | <u>2345</u>      |
| (G) Final Shut-in Pressure       |             |        | <u>1099</u> | PSI           | Initial Opening | <u>30</u>    | Test           | <u>✓</u> 700     |
| (Q) Final Hydrostatic Mud        |             |        | <u>1611</u> | PSI           | Initial Shut-in | <u>30</u>    | Jars           | <u>    </u>      |
|                                  |             |        |             | Final Flow    | <u>30</u>       | Safety Joint | <u>    </u>    |                  |
|                                  |             |        |             | Final Shut-in | <u>30</u>       | Straddle     | <u>    </u>    |                  |

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGE 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.

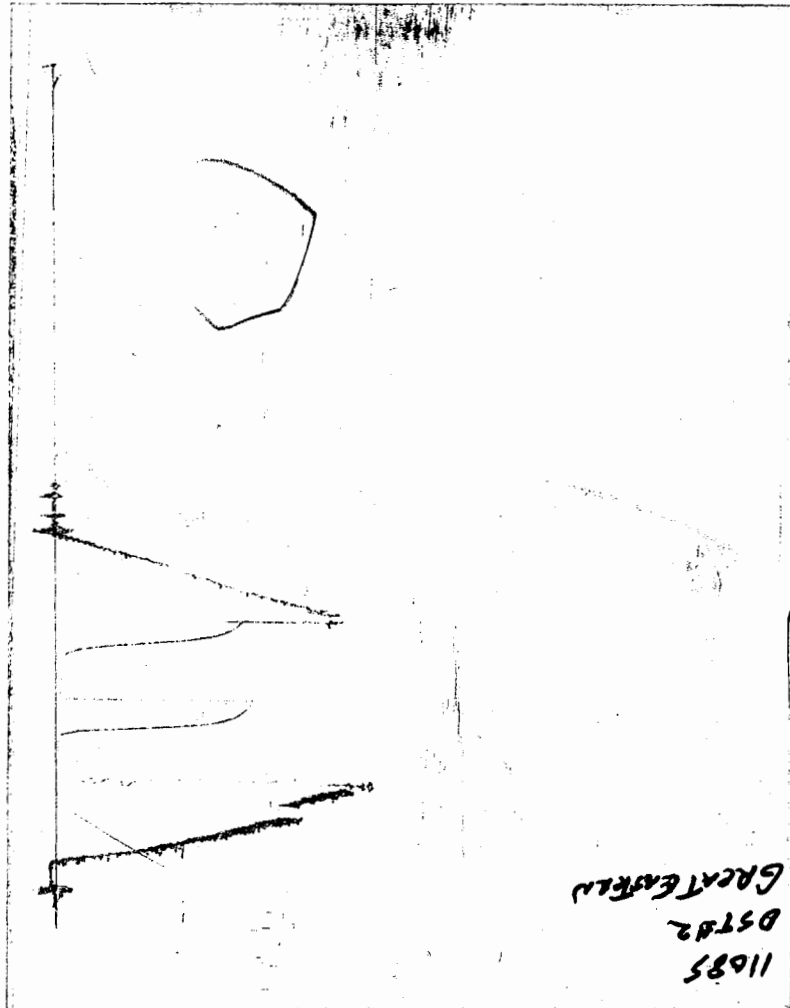
Approved By W. J. [Signature]

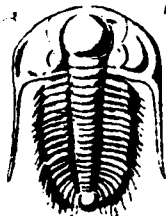
Our Representative RAY SCHWAGER THANK YOU

Mileage ✓ 63  
Other       
TOTAL PRICE \$ ✓ 913

# CHART PAGE

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





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16436

## Test Ticket

Well Name & No. Billops Bros "B" #2 Test No. 3 Date 7-21-02  
 Company GREAT EASTERN Energy & Devel Zone Tested LKC  
 Address P.O. Box 150 Bogue, Ks 67625 Elevation 2190 KB 2185 GL  
 Co. Rep / Geo. Mike Daignon Cont. MARTIN S Est. Ft. of Pay - Por. - %  
 Location: Sec. 3 Twp. 7 S Rge. 21 W Co. GRAHAM State Ks  
 No. of Copies Reg Distribution Sheet (Y, N) - Turnkey (Y, N) - Evaluation (Y, N) -

Interval Tested 3385-3445 Initial Str Wt./Lbs. 31000 Unseated Str Wt./Lbs. 31000  
 Anchor Length 60 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 45000  
 Top Packer Depth 3380 Tool Weight 2200  
 Bottom Packer Depth 3385 Hole Size — 7 7/8" yes Rubber Size — 6 3/4" yes  
 Total Depth 3445 Wt. Pipe Run - Drill Collar Run 120  
 Mud Wt. 9 LCM - Vis. 49 WL 7.2 Drill Pipe Size 4 1/2 X H Ft. Run 3275  
 Blow Description IFP - WEAK SURG, NO Blow, flushed Tool  
FFP - WEAK Blow throughout 1/4" Blow

Recovery — Total Feet - GIP - Ft. in DC 75 Ft. in DP -  
 Rec. 75 Feet Of OCM %gas 10 %oil - %water 90 %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 99 °F Gravity - °API D@ - °F Corrected Gravity - °API  
 RW - @ - °F Chlorides - ppm Recovery Chlorides 1600 ppm System

|                                  | AK-1 | Alpine | PSI                 | Recorder No. | T-On Location |
|----------------------------------|------|--------|---------------------|--------------|---------------|
| (A) Initial Hydrostatic Mud      |      | 11636  |                     | 3024         | 0515          |
| (B) First Initial Flow Pressure  |      | 17     | PSI (depth)         | 3391         | 0540          |
| (C) First Final Flow Pressure    |      | 46     | PSI Recorder No.    | 11085        | 0725          |
| (D) Initial Shut-In Pressure     |      | 1028   | PSI (depth)         | 3442         | 0825          |
| (E) Second Initial Flow Pressure |      | 50     | PSI Recorder No.    | -            | 1005          |
| (F) Second Final Flow Pressure   |      | 67     | PSI (depth)         | -            | 1030          |
| (G) Final Shut-in Pressure       |      | 1001   | PSI Initial Opening | 15           | 700           |
| (Q) Final Hydrostatic Mud        |      | 11623  | PSI Initial Shut-in | 15           |               |
|                                  |      |        | Final Flow          | 15           |               |
|                                  |      |        | Final Shut-in       | 15           |               |

Jars -  
 Safety Joint -  
 Straddle -  
 Circ. Sub -  
 Sampler -  
 Extra Packer -  
 Elec. Rec. ✓ 150  
 Mileage 17  
 Other -  
 TOTAL PRICE \$ 867

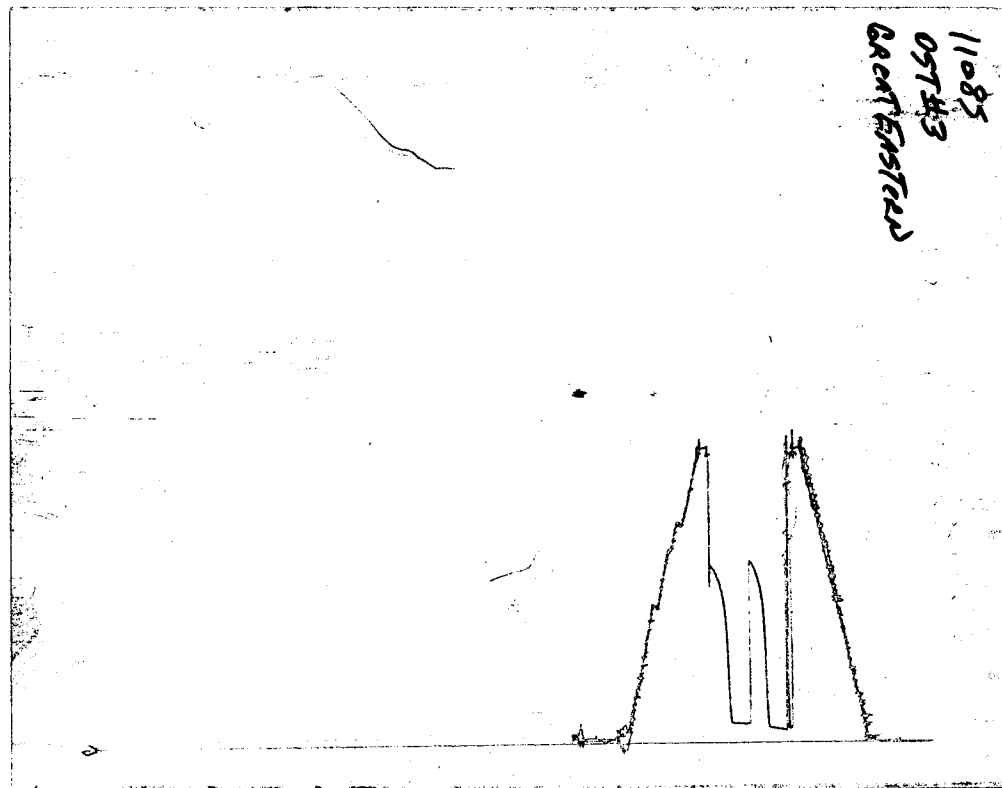
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE. OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

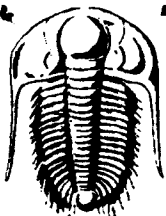
Approved By -

Our Representative Ray Schwager Thank you

## CHART PAGE

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





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16437

## Test Ticket

|                 |                                          |                           |                   |                 |                                              |
|-----------------|------------------------------------------|---------------------------|-------------------|-----------------|----------------------------------------------|
| Well Name & No. | <u>Billops Bros B#2</u>                  | Test No.                  | <u>4</u>          | Date            | <u>7-21-02</u>                               |
| Company         | <u>GREAT EASTERN Energy &amp; Devel.</u> | Zone Tested               | <u>LKC</u>        |                 |                                              |
| Address         | <u>P.O. Box 150 Bogue, Mo 67625</u>      | Elevation                 | <u>2190</u>       | KB              | <u>2185</u> GL                               |
| Co. Rep / Geo.  | <u>Mike Davignon</u>                     | Cont.                     | <u>Murphy 118</u> | Est. Ft. of Pay | <u>—</u> Por. <u>—</u> %                     |
| Location: Sec.  | <u>3</u>                                 | Twp.                      | <u>7S</u>         | Rge.            | <u>21W</u> Co. <u>Graham</u> State <u>Mo</u> |
| No. of Copies   | <u>Reg</u>                               | Distribution Sheet (Y, N) | <u>—</u>          | Turnkey (Y, N)  | <u>—</u> Evaluation (Y, N) <u>—</u>          |

|                                                              |                                                                                                                                                       |                      |                 |                       |              |
|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------|-----------------------|--------------|
| Interval Tested                                              | <u>3445-3470</u>                                                                                                                                      | Initial Str Wt./Lbs. | <u>31000</u>    | Unseated Str Wt./Lbs. | <u>32000</u> |
| Anchor Length                                                | <u>25</u>                                                                                                                                             | Wt. Set Lbs.         | <u>25000</u>    | Wt. Pulled Loose/Lbs. | <u>40000</u> |
| Top Packer Depth                                             | <u>3440</u>                                                                                                                                           | Tool Weight          | <u>2200</u>     |                       |              |
| Bottom Packer Depth                                          | <u>3445</u>                                                                                                                                           | Hole Size — 7 7/8"   | <u>yes</u>      | Rubber Size — 6 3/4"  | <u>yes</u>   |
| Total Depth                                                  | <u>3470</u>                                                                                                                                           | Wt. Pipe Run         | <u>—</u>        | Drill Collar Run      | <u>120</u>   |
| Mud Wt. <u>9.1</u> LCM <u>—</u> Vis. <u>51</u> WL <u>7.2</u> |                                                                                                                                                       | Drill Pipe Size      | <u>4 1/2 XH</u> | Ft. Run               | <u>3309</u>  |
| Blow Description                                             | <u>IFP - WEAK TO A STRONG BLOW IN 23 MIN</u><br><u>FFP - WEAK TO A STRONG BLOW IN 55 MIN</u><br><u>WEAK BLOW BACK ON SHUT-IN 1/4" TO SURFACE BLOW</u> |                      |                 |                       |              |

|                       |             |                  |              |              |                      |             |            |
|-----------------------|-------------|------------------|--------------|--------------|----------------------|-------------|------------|
| Recovery — Total Feet | <u>530</u>  | GIP              | <u>30</u>    | Ft. in DC    | <u>120</u>           | Ft. in DP   | <u>410</u> |
| Rec. <u>440</u>       | Feet Of     | <u>WATER</u>     | %gas         | %oil         | %water               | %mud        |            |
| Rec. <u>85</u>        | Feet Of     | <u>MW</u>        | %gas         | %oil         | %water               | %mud        |            |
| Rec. <u>5</u>         | Feet Of     | <u>CLEAN OIL</u> | %gas         | %oil         | %water               | %mud        |            |
| Rec. <u>—</u>         | Feet Of     | <u>—</u>         | %gas         | %oil         | %water               | %mud        |            |
| Rec. <u>—</u>         | Feet Of     | <u>—</u>         | %gas         | %oil         | %water               | %mud        |            |
| BHT <u>109</u>        | °F Gravity  | <u>—</u>         | °API D@      | <u>—</u>     | °F Corrected Gravity | <u>—</u>    | °API       |
| RW <u>.09</u>         | @ <u>76</u> | °F Chlorides     | <u>82000</u> | ppm Recovery | Chlorides            | <u>1600</u> | ppm System |

|                                  |      |        |             |     |                 |              |                |             |
|----------------------------------|------|--------|-------------|-----|-----------------|--------------|----------------|-------------|
| (A) Initial Hydrostatic Mud      | AK-1 | Alpine | 1656        | PSI | Recorder No.    | <u>3024</u>  | T-On Location  | <u>1545</u> |
| (B) First Initial Flow Pressure  |      |        | <u>18</u>   | PSI | (depth)         | <u>3446</u>  | T-Started      | <u>1612</u> |
| (C) First Final Flow Pressure    |      |        | <u>129</u>  | PSI | Recorder No.    | <u>11085</u> | T-Open         | <u>1810</u> |
| (D) Initial Shut-In Pressure     |      |        | <u>1043</u> | PSI | (depth)         | <u>3467</u>  | T-Pulled       | <u>2140</u> |
| (E) Second Initial Flow Pressure |      |        | <u>132</u>  | PSI | Recorder No.    | <u>—</u>     | T-Out          | <u>2335</u> |
| (F) Second Final Flow Pressure   |      |        | <u>264</u>  | PSI | (depth)         | <u>—</u>     | T-Off Location | <u>0000</u> |
| (G) Final Shut-in Pressure       |      |        | <u>1019</u> | PSI | Initial Opening | <u>30</u>    | Test           | <u>700</u>  |
| (Q) Final Hydrostatic Mud        |      |        | <u>1646</u> | PSI | Initial Shut-in | <u>60</u>    | Jars           | <u>—</u>    |
|                                  |      |        |             |     | Final Flow      | <u>60</u>    | Safety Joint   | <u>—</u>    |
|                                  |      |        |             |     | Final Shut-in   | <u>60</u>    | Straddle       | <u>—</u>    |

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGE 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.

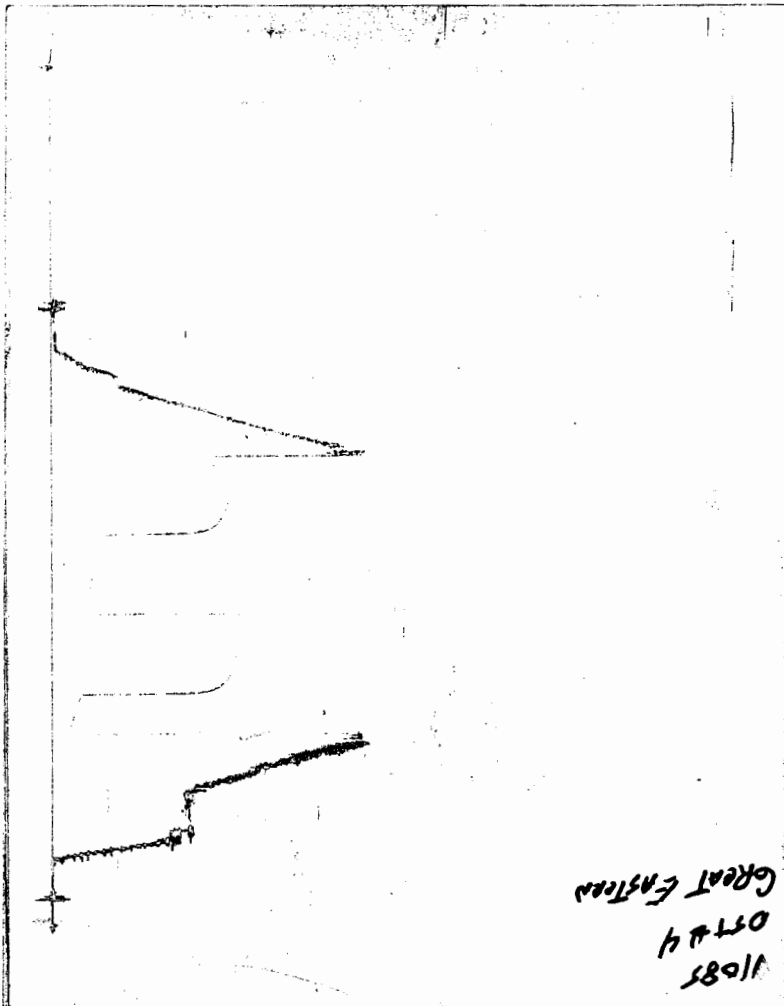
Approved By Ray Schwager

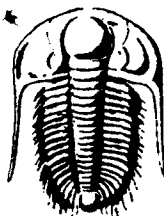
Our Representative Ray Schwager Thank you

Other —  
TOTAL PRICE \$ 869

# CHART PAGE

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





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16438

## Test Ticket

Well Name & No. Billops BRDS B#2 Test No. 5 Date 7-22-02  
 Company GREAT EASTERN ENERGY & Devel Zone Tested LKC  
 Address P.O. Box 150 Bogue, Mo 67625 Elevation 2190 KB 2185 GL  
 Co. Rep / Geo. Mike Daignon Cont. Murphy 8 Est. Ft. of Pay - Por. - %  
 Location: Sec. 3 Twp. 25 Rge. 21 Co. GRAHAM State K  
 No. of Copies Reg Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 3470-3490 Initial Str Wt./Lbs. 30000 Unseated Str Wt./Lbs. 31000  
 Anchor Length 20 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 45000  
 Top Packer Depth 3465 Tool Weight 2200  
 Bottom Packer Depth 3470 Hole Size — 7 7/8" yes Rubber Size — 6 3/4" yes  
 Total Depth 3490 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run 120  
 Mud Wt. 9.1 LCM - Vis. 51 WL 2.2 Drill Pipe Size 4 1/2 XH Ft. Run 3339  
 Blow Description TFP - WEAK Blow throughout 1/2" To 2" Blow  
FFP - WEAK Blow throughout 1/2" To 3" Blow  
NO BLOW ON shut-in

Recovery — Total Feet 270 GIP - Ft. in DC 120 Ft. in DP 150  
 Rec. 180 Feet Of WATER %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. 85 Feet Of MW %gas \_\_\_\_\_ %oil 80 %water 20 %mud \_\_\_\_\_  
 Rec. 5 Feet Of OIL %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet Of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet Of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 BHT 109 °F Gravity - °API D@ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW 109 @ 75 °F Chlorides 81000 ppm Recovery Chlorides 1600 ppm System

|                                  | AK-1 | Alpine      | PSI                 | Recorder No. | T-On Location                      |
|----------------------------------|------|-------------|---------------------|--------------|------------------------------------|
| (A) Initial Hydrostatic Mud      |      | <u>1665</u> |                     | <u>3024</u>  | <u>0515</u>                        |
| (B) First Initial Flow Pressure  |      | <u>17</u>   | (depth)             | <u>3471</u>  | <u>0532</u>                        |
| (C) First Final Flow Pressure    |      | <u>98</u>   | PSI                 | <u>11085</u> | <u>0710</u>                        |
| (D) Initial Shut-In Pressure     |      | <u>948</u>  | (depth)             | <u>3487</u>  | <u>0940</u>                        |
| (E) Second Initial Flow Pressure |      | <u>101</u>  | PSI                 | <u>-</u>     | <u>1125</u>                        |
| (F) Second Final Flow Pressure   |      | <u>155</u>  | (depth)             | <u>-</u>     | <u>1145</u>                        |
| (G) Final Shut-in Pressure       |      | <u>942</u>  | PSI Initial Opening | <u>30</u>    | Test <u>700</u>                    |
| (Q) Final Hydrostatic Mud        |      | <u>1645</u> | PSI Initial Shut-in | <u>30</u>    | Jars _____                         |
|                                  |      |             | Final Flow          | <u>45</u>    | Safety Joint _____                 |
|                                  |      |             | Final Shut-in       | <u>45</u>    | Straddle _____                     |
|                                  |      |             |                     |              | Circ. Sub _____                    |
|                                  |      |             |                     |              | Sampler _____                      |
|                                  |      |             |                     |              | Extra Packer _____                 |
|                                  |      |             |                     |              | Elec. Rec. <u>✓</u> <u>150</u>     |
|                                  |      |             |                     |              | Mileage <u>✓</u> <u>17</u>         |
|                                  |      |             |                     |              | Other _____                        |
|                                  |      |             |                     |              | TOTAL PRICE \$ <u>✓</u> <u>867</u> |

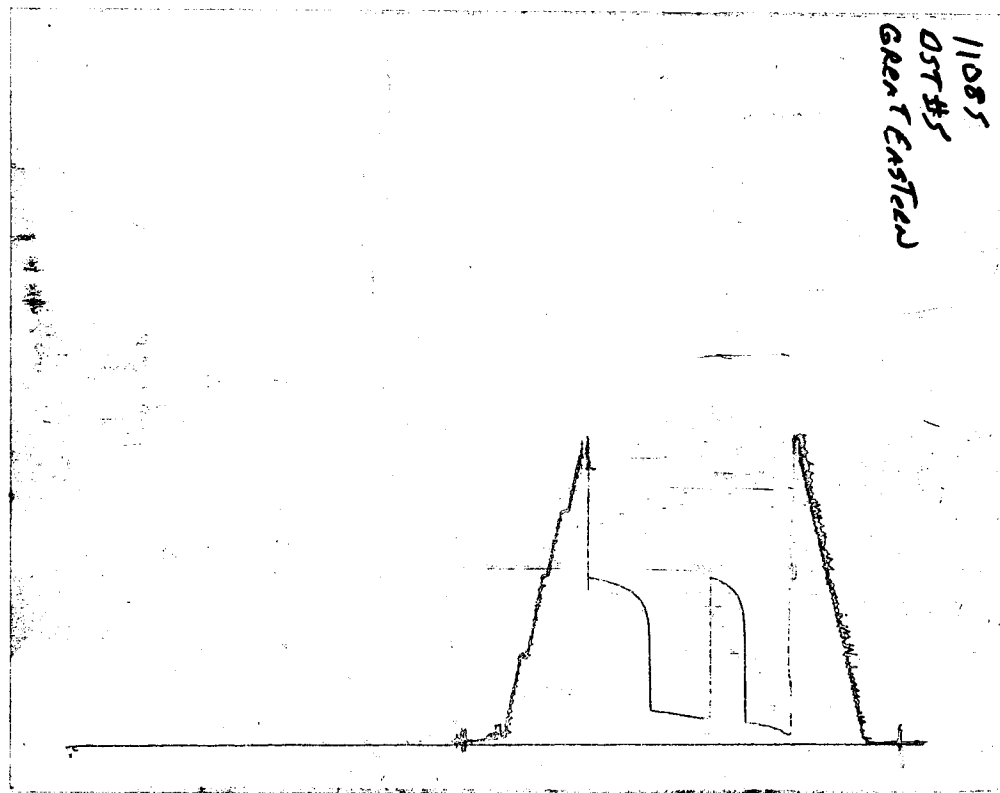
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

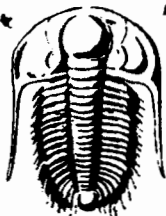
Approved By \_\_\_\_\_

Our Representative RAY SCHWAGER THANK YOU

## CHART PAGE

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





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16439

## Test Ticket

|                 |                                     |                           |                 |                 |                                              |
|-----------------|-------------------------------------|---------------------------|-----------------|-----------------|----------------------------------------------|
| Well Name & No. | <u>Billops Bros B#2</u>             | Test No.                  | <u>6</u>        | Date            | <u>7-22-02</u>                               |
| Company         | <u>GREAT EASTERN Energy • Devel</u> | Zone Tested               | <u>LKC</u>      |                 |                                              |
| Address         | <u>P.O. Box 150 Bogue, KS 67625</u> | Elevation                 | <u>2190</u>     | KB              | <u>2185</u> GL                               |
| Co. Rep / Geo.  | <u>Mike Daigman</u>                 | Cont.                     | <u>MARTIN B</u> | Est. Ft. of Pay | <u>-</u> Por. <u>-</u> %                     |
| Location: Sec.  | <u>3</u>                            | Twp.                      | <u>7S</u>       | Rge.            | <u>21W</u> Co. <u>GRAHAM</u> State <u>KS</u> |
| No. of Copies   | <u>Reg</u>                          | Distribution Sheet (Y, N) | <u>-</u>        | Turnkey (Y, N)  | <u>-</u> Evaluation (Y, N) <u>-</u>          |

|                                                              |                                                                                                                                                  |                      |                 |                       |              |
|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------|-----------------------|--------------|
| Interval Tested                                              | <u>3490 - 3510</u>                                                                                                                               | Initial Str Wt./Lbs. | <u>31000</u>    | Unseated Str Wt./Lbs. | <u>31000</u> |
| Anchor Length                                                | <u>20</u>                                                                                                                                        | Wt. Set Lbs.         | <u>25000</u>    | Wt. Pulled Loose/Lbs. | <u>45000</u> |
| Top Packer Depth                                             | <u>3485</u>                                                                                                                                      | Tool Weight          | <u>2200</u>     |                       |              |
| Bottom Packer Depth                                          | <u>3490</u>                                                                                                                                      | Hole Size — 7 7/8"   | <u>yes</u>      | Rubber Size — 6 3/4"  | <u>yes</u>   |
| Total Depth                                                  | <u>3510</u>                                                                                                                                      | Wt. Pipe Run         | <u>-</u>        | Drill Collar Run      | <u>120</u>   |
| Mud Wt. <u>9.1</u> LCM <u>-</u> Vis. <u>47</u> WL <u>7.2</u> |                                                                                                                                                  | Drill Pipe Size      | <u>4 1/2 XH</u> | Ft. Run               | <u>3369</u>  |
| Blow Description                                             | <u>TFP - WEAK TO A STRONG BLOW IN 20 min</u><br><u>FFP - WEAK TO A STRONG BLOW IN 33 min</u><br><u>WEAK BLOW ON SHUT-IN 1/4" TO SURFACE BLOW</u> |                      |                 |                       |              |

|                       |            |                  |              |               |                      |                |            |
|-----------------------|------------|------------------|--------------|---------------|----------------------|----------------|------------|
| Recovery — Total Feet | <u>570</u> | GIP              | <u>-</u>     | Ft. in DC     | <u>120</u>           | Ft. in DP      | <u>450</u> |
| Rec. <u>460</u>       | Feet Of    | <u>WATER</u>     | %gas         | %oil          | %water               | %mud           |            |
| Rec. <u>60</u>        | Feet Of    | <u>OCMW</u>      | %gas         | <u>8</u> %oil | <u>62</u> %water     | <u>30</u> %mud |            |
| Rec. <u>50</u>        | Feet Of    | <u>CLEAN OIL</u> | %gas         | %oil          | %water               | %mud           |            |
| Rec. <u>-</u>         | Feet Of    | <u>-</u>         | %gas         | %oil          | %water               | %mud           |            |
| Rec. <u>-</u>         | Feet Of    | <u>-</u>         | %gas         | %oil          | %water               | %mud           |            |
| BHT <u>110</u>        | °F Gravity | <u>38</u>        | °API D@      | <u>60</u>     | °F Corrected Gravity | <u>38</u>      | °API       |
| RW <u>.09 @</u>       | <u>71</u>  | °F Chlorides     | <u>87000</u> | ppm Recovery  | Chlorides            | <u>2500</u>    | ppm System |

|                                  |      |             |                     |              |                |              |             |
|----------------------------------|------|-------------|---------------------|--------------|----------------|--------------|-------------|
|                                  | AK-1 | Alpine      |                     |              |                |              |             |
| (A) Initial Hydrostatic Mud      |      | <u>1681</u> | PSI Recorder No.    | <u>3024</u>  | T-On Location  | <u>1700</u>  |             |
| (B) First Initial Flow Pressure  |      | <u>25</u>   | PSI (depth)         | <u>3491</u>  | T-Started      | <u>1711</u>  |             |
| (C) First Final Flow Pressure    |      | <u>131</u>  | PSI Recorder No.    | <u>11085</u> | T-Open         | <u>1830</u>  | <u>6:50</u> |
| (D) Initial Shut-In Pressure     |      | <u>1031</u> | PSI (depth)         | <u>3507</u>  | T-Pulled       | <u>2200</u>  |             |
| (E) Second Initial Flow Pressure |      | <u>134</u>  | PSI Recorder No.    | <u>-</u>     | T-Out          | <u>2350</u>  |             |
| (F) Second Final Flow Pressure   |      | <u>250</u>  | PSI (depth)         | <u>-</u>     | T-Off Location | <u>0015</u>  |             |
| (G) Final Shut-in Pressure       |      | <u>993</u>  | PSI Initial Opening | <u>30</u>    | Test           | <u>✓ 700</u> |             |
| (Q) Final Hydrostatic Mud        |      | <u>1661</u> | PSI Initial Shut-in | <u>60</u>    | Jars           | <u>-</u>     |             |
|                                  |      |             | Final Flow          | <u>60</u>    | Safety Joint   | <u>-</u>     |             |
|                                  |      |             | Final Shut-in       | <u>60</u>    | Straddle       | <u>-</u>     |             |

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGE 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.

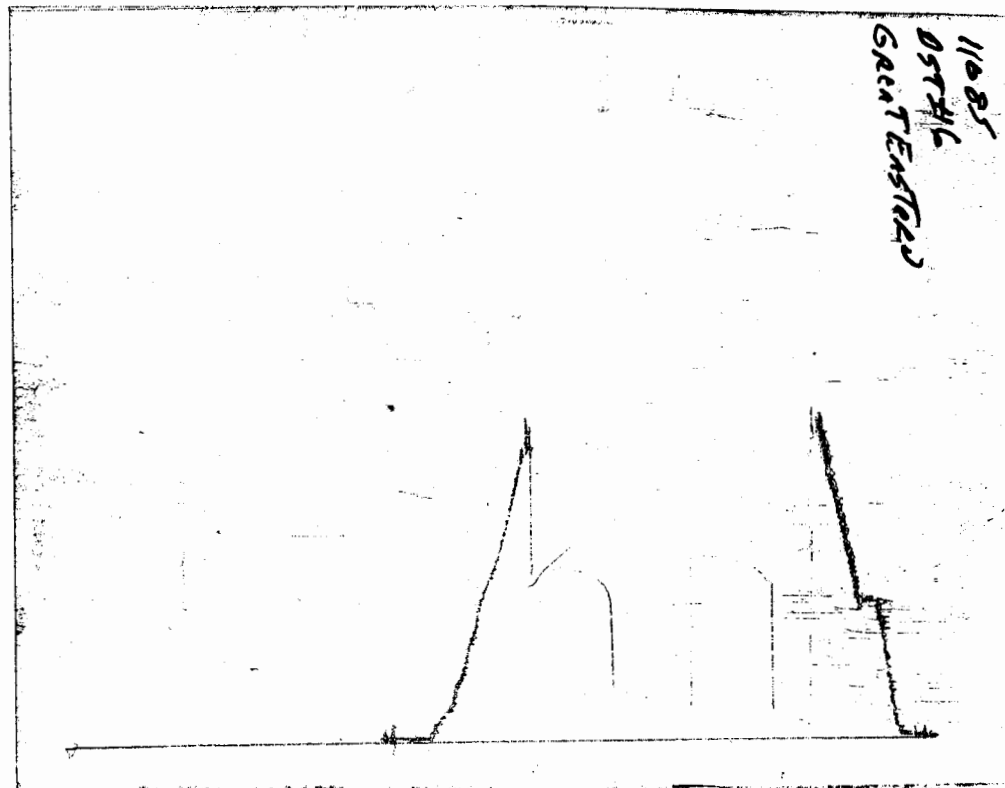
Approved By \_\_\_\_\_

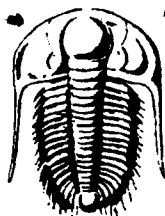
Our Representative Ray Schwager Thank you

Circ. Sub \_\_\_\_\_  
Sampler \_\_\_\_\_  
Extra Packer \_\_\_\_\_  
Elec. Rec. ✓ 150  
Mileage ✓ 17  
Other \_\_\_\_\_  
TOTAL PRICE \$ ✓ 867

## CHART PAGE

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





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16440

## Test Ticket

|                 |                                     |                           |                      |                 |                                                         |
|-----------------|-------------------------------------|---------------------------|----------------------|-----------------|---------------------------------------------------------|
| Well Name & No. | <u>Billops Bros "B" #2</u>          | Test No.                  | <u>7</u>             | Date            | <u>7-23-02</u>                                          |
| Company         | <u>GREAT EASTERN Energy + Devel</u> | Zone Tested               | <u>LKC</u>           |                 |                                                         |
| Address         | <u>P.O. Box 150 Bogue MO 67625</u>  | Elevation                 | <u>2190</u>          | KB              | <u>2185</u> GL                                          |
| Co. Rep / Geo.  | <u>Mike Davignon</u>                | Cont.                     | <u>Martin S</u>      | Est. Ft. of Pay | <u>    </u> Por. <u>    </u> %                          |
| Location: Sec.  | <u>3</u>                            | Twp.                      | <u>7<sup>s</sup></u> | Rge.            | <u>21<sup>w</sup></u> Co. <u>GRAHAM</u> State <u>KO</u> |
| No. of Copies   | <u>Reg</u>                          | Distribution Sheet (Y, N) | <u>    </u>          | Turnkey (Y, N)  | <u>    </u> Evaluation (Y, N) <u>    </u>               |

|                                                                 |                                          |                      |                  |                       |              |
|-----------------------------------------------------------------|------------------------------------------|----------------------|------------------|-----------------------|--------------|
| Interval Tested                                                 | <u>3565-3590</u>                         | Initial Str Wt./Lbs. | <u>32000</u>     | Unseated Str Wt./Lbs. | <u>38000</u> |
| Anchor Length                                                   | <u>25</u>                                | Wt. Set Lbs.         | <u>25000</u>     | Wt. Pulled Loose/Lbs. | <u>45000</u> |
| Top Packer Depth                                                | <u>3580</u>                              | Tool Weight          | <u>2200</u>      |                       |              |
| Bottom Packer Depth                                             | <u>3586</u>                              | Hole Size — 7 7/8"   | <u>yes</u>       | Rubber Size — 6 3/4"  | <u>yes</u>   |
| Total Depth                                                     | <u>3590</u>                              | Wt. Pipe Run         | <u>    </u>      | Drill Collar Run      | <u>120</u>   |
| Mud Wt. <u>9.2</u> LCM <u>    </u> Vis. <u>52</u> WL <u>7.6</u> |                                          | Drill Pipe Size      | <u>4 1/2 X H</u> | Ft. Run               | <u>3434</u>  |
| Blow Description                                                | <u>IFP - WEAK TO STRONG IN 3 MIN</u>     |                      |                  |                       |              |
|                                                                 | <u>FFP - STRONG Blow Throughout</u>      |                      |                  |                       |              |
|                                                                 | <u>STRONG Blow on shut-in, in 15 MIN</u> |                      |                  |                       |              |

|                       |               |                  |             |              |                      |             |             |
|-----------------------|---------------|------------------|-------------|--------------|----------------------|-------------|-------------|
| Recovery — Total Feet | <u>1190</u>   | GIP              | <u>1050</u> | Ft. in DC    | <u>120</u>           | Ft. in DP   | <u>1070</u> |
| Rec. <u>1005</u>      | Feet Of       | <u>Clean Oil</u> | %gas        | %oil         | %water               | %mud        |             |
| Rec. <u>185</u>       | Feet Of       | <u>MGO</u>       | 10%gas      | 55%oil       | %water               | 35% mud     |             |
| Rec. <u>    </u>      | Feet Of       |                  | %gas        | %oil         | %water               | %mud        |             |
| Rec. <u>    </u>      | Feet Of       |                  | %gas        | %oil         | %water               | %mud        |             |
| Rec. <u>    </u>      | Feet Of       |                  | %gas        | %oil         | %water               | %mud        |             |
| BHT <u>112</u>        | °F Gravity    | <u>42</u>        | °API D@     | <u>70</u>    | °F Corrected Gravity | <u>41</u>   | °API        |
| RW <u>    </u>        | @ <u>    </u> | °F Chlorides     | <u>    </u> | ppm Recovery | Chlorides            | <u>3400</u> | ppm System  |

|                                  |      |             |                     |              |                |             |             |
|----------------------------------|------|-------------|---------------------|--------------|----------------|-------------|-------------|
|                                  | AK-1 | Alpine      |                     |              |                |             |             |
| (A) Initial Hydrostatic Mud      |      | <u>1726</u> | PSI Recorder No.    | <u>3024</u>  | T-On Location  | <u>0815</u> |             |
| (B) First Initial Flow Pressure  |      | <u>35</u>   | PSI (depth)         | <u>3566</u>  | T-Started      | <u>0828</u> |             |
| (C) First Final Flow Pressure    |      | <u>202</u>  | PSI Recorder No.    | <u>11085</u> | T-Open         | <u>1025</u> | <u>7.35</u> |
| (D) Initial Shut-In Pressure     |      | <u>1175</u> | PSI (depth)         | <u>3587</u>  | T-Pulled       | <u>1325</u> |             |
| (E) Second Initial Flow Pressure |      | <u>214</u>  | PSI Recorder No.    | <u>    </u>  | T-Out          | <u>1550</u> |             |
| (F) Second Final Flow Pressure   |      | <u>414</u>  | PSI (depth)         | <u>    </u>  | T-Off Location | <u>1615</u> |             |
| (G) Final Shut-in Pressure       |      | <u>1133</u> | PSI Initial Opening | <u>30</u>    | Test           | <u>700</u>  |             |
| (Q) Final Hydrostatic Mud        |      | <u>1713</u> | PSI Initial Shut-in | <u>30</u>    | Jars           |             |             |
|                                  |      |             | Final Flow          | <u>60</u>    | Safety Joint   |             |             |
|                                  |      |             | Final Shut-in       | <u>60</u>    | Straddle       |             |             |

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGE 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 [Signature]

Our Representative RAY SCHWAGER Thank you

Other       
TOTAL PRICE \$ 867

## CHART PAGE

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

