

## DRILL STEM TEST REPORT

Prepared For: **Oxy USA, Inc.**

P.O. Box 2528  
Liberal, KS 67905

ATTN: Marvin Harvey

**6-31S-33W Seward**

**Conover H-1**

Start Date: 2005.10.24 @ 14:36:45

End Date: 2005.10.25 @ 01:00:28

Job Ticket #: 22352                      DST #: 1

Oxy USA, Inc.

Conover H-1

6-31S-33W Seward

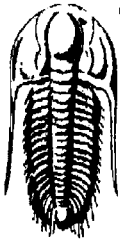
DST # 1

Lansing

2005.10.24

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





**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Oxy USA, Inc.

**Conover H-1**

P.O. Box 2528  
Liberal, KS 67905

**6-31S-33W Seward**

Job Ticket: 22352

**DST#: 1**

ATTN: Marvin Harvey

Test Start: 2005.10.24 @ 14:36:45

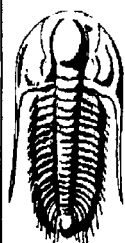
**Tool Information**

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 3567.00 ft | Diameter: 3.80 inches | Volume: 50.04 bbl              | Tool Weight: 2000.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 20000.00 lb  |
| Drill Collar:             | Length: 557.00 ft  | Diameter: 2.25 inches | Volume: 2.74 bbl               | Weight to Pull Loose: 70000.00 lb  |
|                           |                    |                       | <u>Total Volume: 52.78 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 22.00 ft           |                       |                                | String Weight: Initial 88000.00 lb |
| Depth to Top Packer:      | 4129.00 ft         |                       |                                | Final 82000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 23.00 ft           |                       |                                |                                    |
| Tool Length:              | 50.00 ft           |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 4103.00    |                               |
| Shut In Tool     | 5.00        |            |          | 4108.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 4113.00    |                               |
| Jars             | 5.00        |            |          | 4118.00    |                               |
| Safety Joint     | 2.00        |            |          | 4120.00    |                               |
| Packer           | 5.00        |            |          | 4125.00    | 27.00 Bottom Of Top Packer    |
| Packer           | 4.00        |            |          | 4129.00    |                               |
| Stubb            | 1.00        |            |          | 4130.00    |                               |
| Perforations     | 1.00        |            |          | 4131.00    |                               |
| Recorder         | 0.00        | 6770       | Inside   | 4131.00    |                               |
| Perforations     | 18.00       |            |          | 4149.00    |                               |
| Recorder         | 0.00        | 10993      | Inside   | 4149.00    |                               |
| Bullnose         | 3.00        |            |          | 4152.00    | 23.00 Bottom Packers & Anchor |

**Total Tool Length: 50.00**



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**FLUID SUMMARY**

Oxy USA, Inc.

**Conover H-1**

P.O. Box 2528  
Liberal, KS 67905

**6-31S-33W Seward**

Job Ticket: 22352      **DST#: 1**

ATTN: Marvin Harvey

Test Start: 2005.10.24 @ 14:36:45

## 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: | 56000 ppm |
| Viscosity: 37.00 sec/qt          | Cushion Volume: bbl        |                 |           |
| Water Loss: 7.19 in <sup>3</sup> | Gas Cushion Type:          |                 |           |
| Resistivity: 0.18 ohm.m          | Gas Cushion Pressure: psig |                 |           |
| Salinity: 600.00 ppm             |                            |                 |           |
| Filter Cake: inches              |                            |                 |           |

## Recovery Information

Recovery Table

| Length<br>ft | Description                   | Volume<br>bbl |
|--------------|-------------------------------|---------------|
| 120.00       | 50%Mud 20%Oil 20%Gas 10%Water | 0.590         |
| 120.00       | 50%Mud 10%Oil 40%Water        | 0.590         |
| 120.00       | 20%Mud 80%Water               | 0.590         |
| 0.00         | 700' GIP                      | 0.000         |

Total Length: 360.00 ft      Total Volume: 1.770 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:

Serial #: 6770

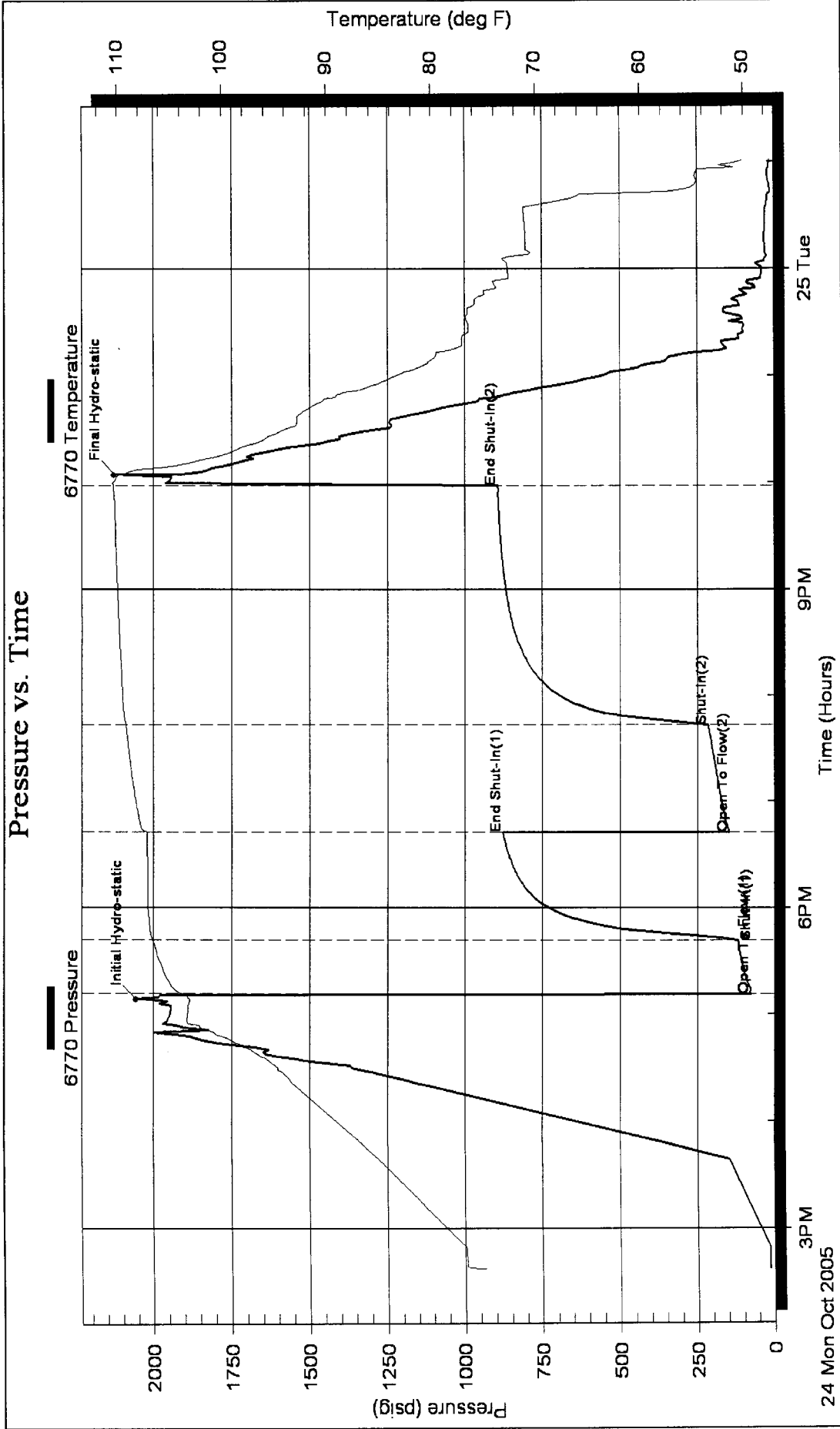
Inside

Oxy USA, Inc.

6-31S-33W Sew ard

DST Test Number: 1

### Pressure vs. Time



**CHART PAGE**

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

