

**CONFIDENTIAL**

**KCC**

**JUN 06 2001**

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15-189-22370

**ORIGINAL**



**TRILOBITE  
TESTING, INC**

**RELEASED**

**JUN 06 2002**

**DRILL STEM TEST REPORT**

Prepared For: **Oxy USA Inc**

P.O. Box 2528  
Liberal, KS 67905

**FROM CONFIDENTIAL**

ATTN: Marvin Harvey

**6-32S-38W Stevens KS**

**MLP Curtis B-1**

Start Date: 2001.03.13 @ 14:50:00

End Date: 2001.03.13 @ 21:30:00

Job Ticket #: 13463      DST #: 1

**CONSERVATION DIVISION**

**JUN 8 2001**

**RECEIVED**  
KANSAS CORPORATION COMMISSION

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Oxy USA Inc

MLP Curtis B-1

6-32S-38W Stevens KS

DST #: 1

Lansing

2001.03.13

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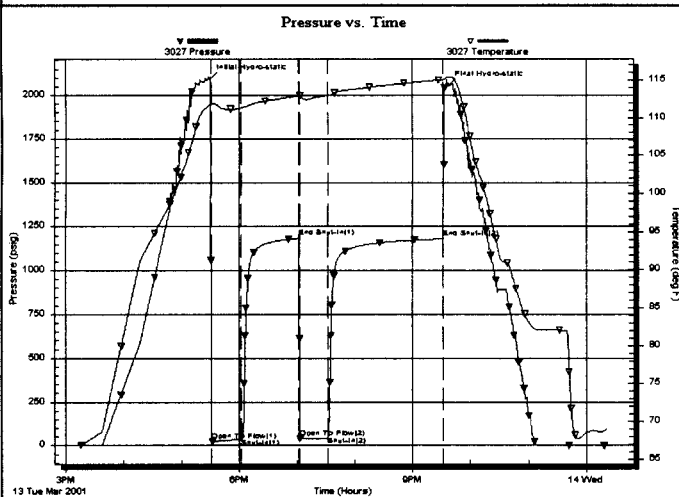
|                                                                                                                  |                                    |                                                                     |                     |
|------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------------------------------------------------------------|---------------------|
|  <b>TRILOBITE TESTING, INC.</b> | <b>DRILL STEM TEST REPORT</b>      |                                                                     | JUN 06 2001         |
|                                                                                                                  | Oxy USA Inc                        | MLP Curtis B-1                                                      | <b>CONFIDENTIAL</b> |
|                                                                                                                  | P.O. Box 2528<br>Liberal, KS 67905 | 6-32S-38W Stevens KS                                                |                     |
|                                                                                                                  | ATTN: Marvin Harvey                | Job Ticket: 13463      DST#: 1<br>Test Start: 2001.03.13 @ 14:50:00 |                     |

**GENERAL INFORMATION:**

|                                                    |                          |                                       |
|----------------------------------------------------|--------------------------|---------------------------------------|
| Formation: <b>Lansing</b>                          | <b>RELEASED</b>          | Test Type: Conventional Straddle      |
| Deviated: No Whipstock: ft (KB)                    | <b>JUN 06 2002</b>       | Tester: Mike Colantonio               |
| Time Tool Opened: 17:31:13                         |                          | Unit No: 20                           |
| Time Test Ended: 21:30:00                          |                          |                                       |
| Interval: 4333.00 ft (KB) To 4355.00 ft (KB) (TVD) | <b>FROM CONFIDENTIAL</b> | Reference Elevations: 3147.00 ft (KB) |
| Total Depth: 4446.00 ft (KB)                       |                          | 3134.00 ft (CF)                       |
| Hole Diameter: 7.78 inches                         | Hole Condition: Fair     | KB to GR/CF: 13.00 ft                 |

|                                              |                                     |  |
|----------------------------------------------|-------------------------------------|--|
| Serial #: <b>3027</b> Inside                 | Capacity: 7000.00 psig              |  |
| Press@RunDepth: 45.13 psig @ 4335.00 ft (KB) | Last Calib.: 2001.03.12             |  |
| Start Date: 2001.03.13                       | End Date: 2001.03.14                |  |
| Start Time: 15:15:15                         | End Time: 00:22:28                  |  |
|                                              | Time On Btm: 2001.03.13 @ 17:30:43  |  |
|                                              | Time Off Btm: 2001.03.13 @ 21:37:43 |  |

**TEST COMMENT:** Sampler data 4000ml Mud 1000PSI. 1st opening weak surface blow for 5 min then no no  
2nd opening NO blow



| PRESSURE SUMMARY |                 |              |                      |
|------------------|-----------------|--------------|----------------------|
| Time (Min.)      | Pressure (psig) | Temp (deg F) | Annotation           |
| 136              | 2094.55         | 111.80       | Initial Hydro-static |
| 136              | 21.42           | 111.88       | Open To Flow (1)     |
| 167              | 35.05           | 111.30       | Shut-In(1)           |
| 227              | 1184.62         | 112.90       | End Shut-In(1)       |
| 228              | 38.88           | 112.94       | Open To Flow (2)     |
| 257              | 45.13           | 112.97       | Shut-In(2)           |
| 377              | 1179.91         | 115.04       | End Shut-In(2)       |
| 383              | 2056.06         | 115.36       | Final Hydro-static   |

| Recovery    |                |              |
|-------------|----------------|--------------|
| Length (ft) | Description    | Volume (bbl) |
| 15.00       | 100% Drig. mud | 0.07         |
|             |                |              |
|             |                |              |
|             |                |              |
|             |                |              |
|             |                |              |
|             |                |              |

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

101-HG-7700



# DRILL STEM TEST REPORT

TOOL DIAGRAM

Oxy USA Inc  
P.O. Box 2528  
Liberal, KS 67905  
ATTN: Marvin Harvey

MLP Curtis B-1  
6-32S-38W Stevens KS  
Job Ticket: 13463 DST#: 1  
Test Start: 2001.03.13 @ 14:50:00

## Tool Information

|                           |                    |                       |                   |                                    |
|---------------------------|--------------------|-----------------------|-------------------|------------------------------------|
| Drill Pipe:               | Length: 3693.00 ft | Diameter: 3.80 inches | Volume: 51.80 bbl | Tool Weight: 1800.00 lb            |
| Drill Collar:             | Length: 620.00 ft  | Diameter: 2.25 inches | Volume: 3.05 bbl  | Weight set on Packer: 25000.00 lb  |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl  | Weight to Pull Loose: 120000.0 lb  |
| Drill Pipe Above KB:      | 10.00 ft           |                       |                   | Tool Chased 0.00 ft                |
| Depth to Top Packer:      | 4329.00 ft         |                       |                   | String Weight: Initial 82000.00 lb |
| Depth to Bottom Packer:   | 4351.00 ft         |                       |                   | Final 82000.00 lb                  |
| Interval between Packers: | 22.00 ft           |                       |                   |                                    |
| Tool Length:              | 145.00 ft          |                       |                   |                                    |
| Number of Packers:        | 3                  | Diameter: 6.75 inches |                   |                                    |

## Tool Comments

| Tool Description   | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |                         |
|--------------------|-------------|------------|----------|------------|----------------|-------------------------|
| C.O. Sub           | 1.00        |            |          | 4304.00    |                |                         |
| HYD S.I. Tool      | 5.00        |            |          | 4309.00    |                |                         |
| Sampler            | 3.00        |            |          | 4312.00    |                |                         |
| HMV                | 5.00        |            |          | 4317.00    |                |                         |
| Jars               | 5.00        |            |          | 4322.00    |                |                         |
| Safety Joint       | 2.00        |            |          | 4324.00    |                |                         |
| Packer             | 5.00        |            |          | 4329.00    | 26.00          | Bottom Of Top Packer    |
| Packer             | 4.00        |            |          | 4333.00    |                |                         |
| Stubb              | 1.00        |            |          | 4334.00    |                |                         |
| Perforations       | 1.00        |            |          | 4335.00    |                |                         |
| Recorder           | 0.00        | 3027       | Inside   | 4335.00    |                |                         |
| P.O. Sub           | 5.00        |            |          | 4340.00    |                |                         |
| Perforations       | 10.00       |            |          | 4350.00    |                |                         |
| Recorder           | 0.00        | 13278      | Outside  | 4350.00    |                |                         |
| Blank Off Sub      | 1.00        |            |          | 4351.00    | 22.00          | Tool Interval           |
| Packer             | 5.00        |            |          | 4356.00    |                |                         |
| Stubb              | 1.00        |            |          | 4357.00    |                |                         |
| Perforations       | 25.00       |            |          | 4382.00    |                |                         |
| C.O. Sub           | 1.00        |            |          | 4383.00    |                |                         |
| Blank Spacing      | 62.00       |            |          | 4445.00    |                |                         |
| C.O. Sub           | 1.00        |            |          | 4446.00    |                |                         |
| Recorder           | 0.00        | 10992      | Outside  | 4446.00    |                |                         |
| Bullnose           | 2.00        |            |          | 4448.00    | 97.00          | Bottom Packers & Anchor |
| Total Tool Length: |             | 145.00     |          |            |                |                         |

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Printed: 2001.03.19 @ 11:06:22

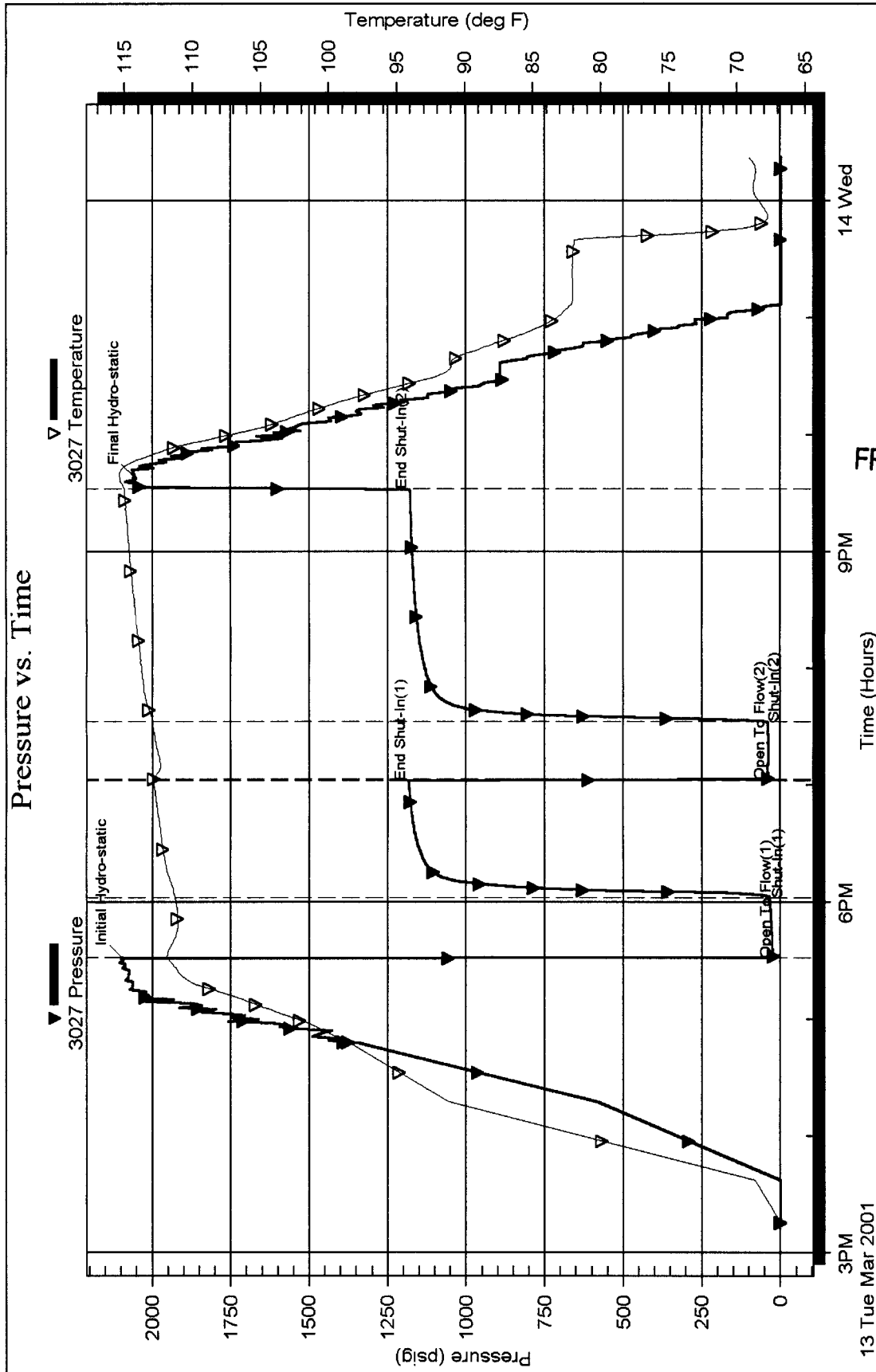
RELEASED

JUN 06 2002

FROM CONFIDENTIAL

Ref. No: 13463

Trilobite Testing, Inc



6-32S-38W Stevens KS

Oxy USA Inc

Inside

Serial #: 3027