

## DRILL STEM TEST REPORT

Prepared For: **White Exploration, Inc.**

2400 N Woodlawn Ste 115  
Wichita KS 67220

ATTN: Bob Peterson

**23-23-24 Hodgeman KS**

**Poverty Hill #2**

Start Date: 2009.12.17 @ 17:31:41

End Date: 2009.12.18 @ 01:02:11

Job Ticket #: 36796      DST #: 1

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**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

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Job Ticket: 36796

**DST#: 1**

Test Start: 2009.12.17 @ 17:31:41

### GENERAL INFORMATION:

Formation: **Cher Snd**

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

Time Tool Opened: 19:44:41

Time Test Ended: 01:02:11

Test Type: **Conventional Bottom Hole**

Tester: **Kyle Kinderknecht**

Unit No: **47**

Interval: **4635.00 ft (KB) To 4715.00 ft (KB) (TVD)**

Total Depth: **4715.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2453.00 ft (KB)**

**2448.00 ft (CF)**

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

**Serial #: 8319**

**Inside**

Press@RunDepth: **23.67 psig @ 4642.00 ft (KB)**

Start Date: **2009.12.17**

End Date:

**2009.12.18**

Start Time: **17:31:46**

End Time:

**01:02:10**

Capacity: **7000.00 psig**

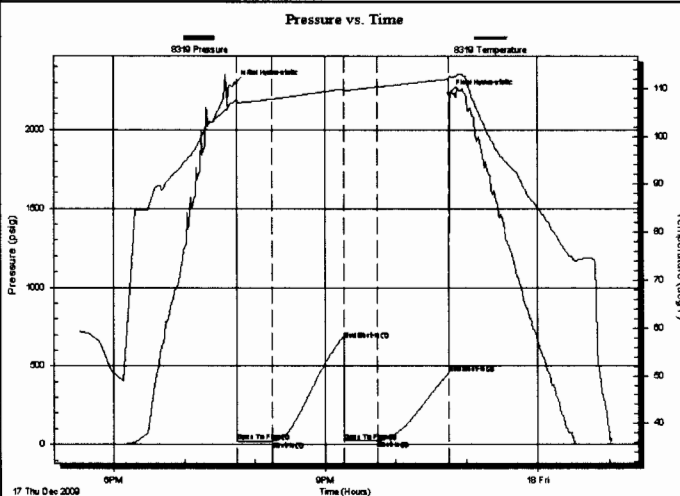
Last Calib.: **2009.12.18**

Time On Btm: **2009.12.17 @ 19:43:11**

Time Off Btm: **2009.12.17 @ 22:45:41**

TEST COMMENT: **IF 1" Died to surface**

**FF No blow**



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2294.80         | 107.37       | Initial Hydro-static |
| 2           | 20.82           | 106.69       | Open To Flow (1)     |
| 32          | 22.41           | 107.74       | Shut-In (1)          |
| 93          | 666.07          | 109.83       | End Shut-In (1)      |
| 93          | 22.81           | 109.61       | Open To Flow (2)     |
| 122         | 23.67           | 110.28       | Shut-In (2)          |
| 182         | 456.82          | 111.91       | End Shut-In (2)      |
| 183         | 2231.62         | 112.47       | Final Hydro-static   |

### Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 10.00       | Mud         | 0.14         |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |

### Gas Rates

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



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**TOOL DIAGRAM**

White Exploration, Inc.

**Poverty Hill #2**

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**DST#: 1**

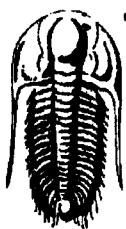
ATTN: Bob Peterson

Test Start: 2009.12.17 @ 17:31:41

### Tool Information

|                           |                    |                       |                         |                                    |
|---------------------------|--------------------|-----------------------|-------------------------|------------------------------------|
| Drill Pipe:               | Length: 4623.00 ft | Diameter: 3.82 inches | Volume: 65.53 bbl       | Tool Weight: 2500.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl        | Weight set on Packer: 25000.00 lb  |
| Drill Collar:             | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl        | Weight to Pull Loose: 70000.00 lb  |
|                           |                    |                       | Total Volume: 65.53 bbl | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 15.00 ft           |                       |                         | String Weight: Initial 63000.00 lb |
| Depth to Top Packer:      | 4635.00 ft         |                       |                         | Final 63000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                         |                                    |
| Interval between Packers: | 80.00 ft           |                       |                         |                                    |
| Tool Length:              | 107.00 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        |            |          | 4609.00    |                               |
| Shut In Tool       | 5.00        |            |          | 4614.00    |                               |
| Hydraulic tool     | 5.00        |            |          | 4619.00    |                               |
| Jars               | 4.00        |            |          | 4623.00    |                               |
| Safety Joint       | 3.00        |            |          | 4626.00    |                               |
| Packer             | 4.00        |            |          | 4630.00    | 27.00 Bottom Of Top Packer    |
| Packer             | 5.00        |            |          | 4635.00    |                               |
| Stubb              | 1.00        |            |          | 4636.00    |                               |
| Perforations       | 5.00        |            |          | 4641.00    |                               |
| Change Over Sub    | 1.00        |            |          | 4642.00    |                               |
| Recorder           | 0.00        | 8319       | Inside   | 4642.00    |                               |
| Recorder           | 0.00        | 8369       | Inside   | 4642.00    |                               |
| Blank Spacing      | 63.00       |            |          | 4705.00    |                               |
| Change Over Sub    | 1.00        |            |          | 4706.00    |                               |
| Perforations       | 6.00        |            |          | 4712.00    |                               |
| Bullnose           | 3.00        |            |          | 4715.00    | 80.00 Bottom Packers & Anchor |
| Total Tool Length: |             | 107.00     |          |            |                               |



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### FLUID SUMMARY

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Test Start: 2009.12.17 @ 17:31:41

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.58 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

| Length<br>ft | Description | Volume<br>bbl |
|--------------|-------------|---------------|
| 10.00        | Mud         | 0.142         |

Total Length: 10.00 ft Total Volume: 0.142 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time

