



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Carmen Schmitt Inc  
P. O. Box 47  
Great Bend KS 67530-0047  
ATTN: Dave Goldak

**33 6s 19w Rooks**  
**Bentz-Griebel 1-33**  
Job Ticket: 56022      **DST#: 1**  
Test Start: 2014.03.25 @ 14:26:00

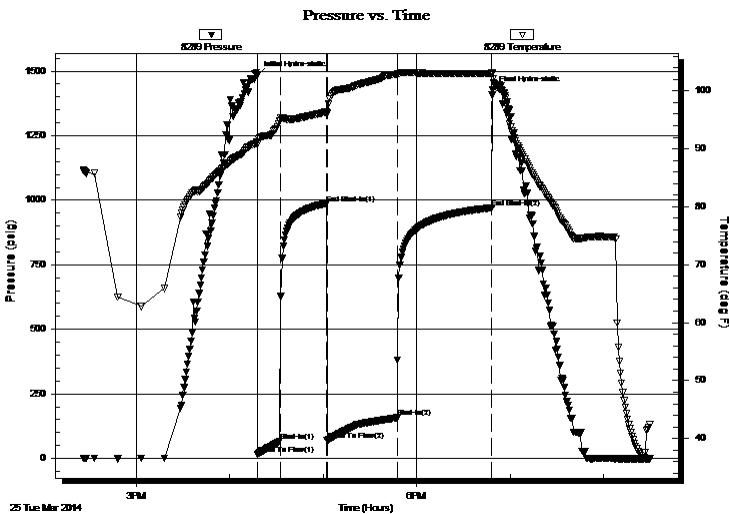
## GENERAL INFORMATION:

Formation: **Topeka**  
Deviated: No Whipstock: 2108.00 ft (KB)  
Time Tool Opened: 16:17:45  
Time Test Ended: 20:30:00  
Interval: **3122.00 ft (KB) To 3138.00 ft (KB) (TVD)**  
Total Depth: 3138.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Jim Svaty  
Unit No: 76  
Reference Elevations: 2108.00 ft (KB)  
2103.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8289      Outside**  
Press @ Run Depth: 158.27 psig @ 3123.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2014.03.25      End Date: 2014.03.25      Last Calib.: 2014.03.25  
Start Time: 14:26:02      End Time: 20:30:00      Time On Btm: 2014.03.25 @ 16:17:30  
Time Off Btm: 2014.03.25 @ 18:48:45

**TEST COMMENT:** 15-IFP- Surface Blow Building to 5 1/2 in.  
30-ISIP- No Blow  
45-FFP- BOB in 31 1/2 min.  
60-FSIP- No Blow

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1482.24         | 91.23        | Initial Hydro-static |
| 1           | 16.52           | 90.78        | Open To Flow (1)     |
| 15          | 66.46           | 94.88        | Shut-In(1)           |
| 45          | 986.80          | 96.34        | End Shut-In(1)       |
| 45          | 69.64           | 96.09        | Open To Flow (2)     |
| 90          | 158.27          | 102.84       | Shut-In(2)           |
| 151         | 970.75          | 102.97       | End Shut-In(2)       |
| 152         | 1426.18         | 103.09       | Final Hydro-static   |

## Recovery

| Length (ft) | Description    | Volume (bbl) |
|-------------|----------------|--------------|
| 300.00      | MCW 5% m 95% w | 1.95         |
|             |                |              |
|             |                |              |
|             |                |              |
|             |                |              |

## Gas Rates

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





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## FLUID SUMMARY

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### 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: | 58000 ppm |
| Viscosity: 46.00 sec/qt          | Cushion Volume: bbl        |                 |           |
| Water Loss: 6.00 in <sup>3</sup> | Gas Cushion Type:          |                 |           |
| Resistivity: ohm.m               | Gas Cushion Pressure: psig |                 |           |
| Salinity: 800.00 ppm             |                            |                 |           |
| Filter Cake: 2.00 inches         |                            |                 |           |

### Recovery Information

Recovery Table

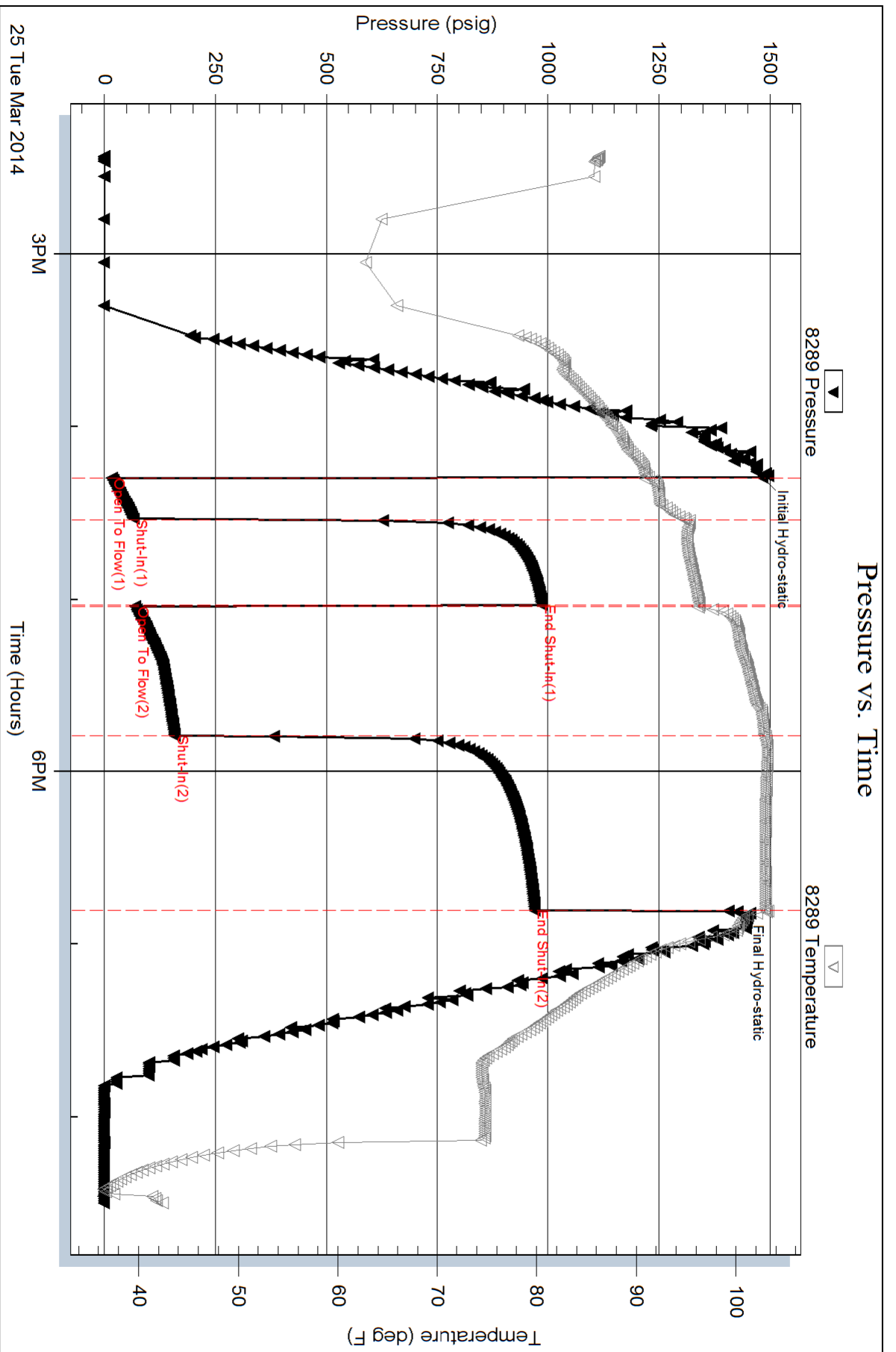
| Length<br>ft | Description                          | Volume<br>bbl |
|--------------|--------------------------------------|---------------|
| 300.00       | MCW 5% <sub>m</sub> 95% <sub>w</sub> | 1.949         |

Total Length: 300.00 ft      Total Volume: 1.949 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: .238 @ 41



Serial #: 8789

Inside

Carmen Schmitt Inc

Bentz-Griebel 1-33

DST Test Number: 1

