



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

## DRILL STEM TEST REPORT

Griffin, Charles N. (Griffin MNGT)

**17-30s-15w Barber Co. , Ks.**

P.O. Box 347  
Pratt, Ks. 67124

**Marlee #1**

Job Ticket: 65460

**DST#: 1**

ATTN: Bruce Reed/ Eli Felt

Test Start: 2019.12.08 @ 16:36:33

### GENERAL INFORMATION:

Formation: **Marm. - Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:19:48

Time Test Ended: 00:55:33

Test Type: Conventional Bottom Hole (Initial)

Tester: Matt Smith

Unit No: 68

**Interval: 4395.00 ft (KB) To 4500.00 ft (KB) (TVD)**

Reference Elevations: 1889.00 ft (KB)

Total Depth: 4500.00 ft (KB) (TVD)

1877.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

**Serial #: 8931 Inside**

Press@RunDepth: 36.65 psig @ 4396.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.12.08

End Date:

2019.12.09

Last Calib.: 2019.12.09

Start Time: 16:36:38

End Time:

00:55:32

Time On Btm: 2019.12.08 @ 19:16:33

Time Off Btm: 2019.12.08 @ 22:34:33

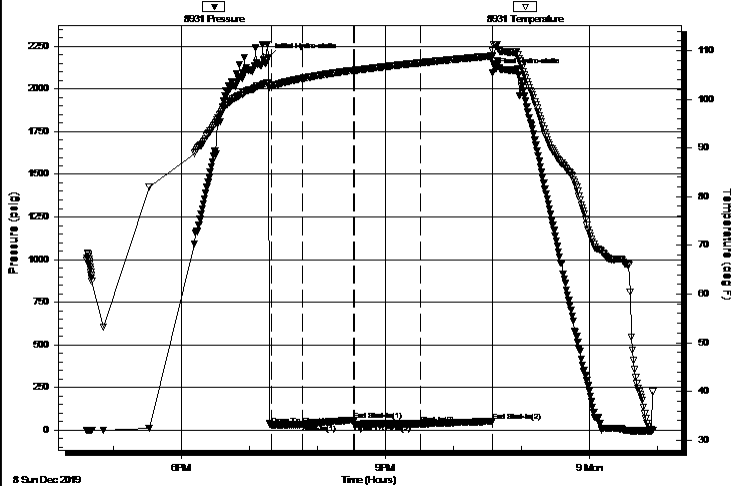
TEST COMMENT: IF: Weak Blow . Built to 3.47".

ISI: No Blow .

FF: Weak Blow . Built to 1".

FSI: No Blow .

Pressure vs. Time



PRESSURE SUMMARY

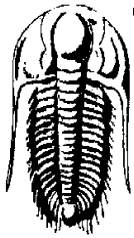
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2184.90         | 103.33       | Initial Hydro-static |
| 4           | 28.63           | 102.84       | Open To Flow (1)     |
| 31          | 31.55           | 104.27       | Shut-In(1)           |
| 76          | 58.81           | 105.94       | End Shut-In(1)       |
| 76          | 32.00           | 105.94       | Open To Flow (2)     |
| 134         | 36.65           | 107.48       | Shut-In(2)           |
| 198         | 51.21           | 108.86       | End Shut-In(2)       |
| 198         | 2095.69         | 109.86       | Final Hydro-static   |

Recovery

| Length (ft) | Description    | Volume (bbl) |
|-------------|----------------|--------------|
| 15.00       | O spec M 100%m | 0.11         |
|             |                |              |
|             |                |              |
|             |                |              |
|             |                |              |

Gas Rates

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



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Total Depth: 4500.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1889.00 ft (KB)

1877.00 ft (CF)

KB to GR/CF: 12.00 ft

**Serial #: 8788 Outside**

Press@RunDepth: psig @ 4396.00 ft (KB)

Start Date: 2019.12.08

End Date:

2019.12.09

Start Time: 16:36:55

End Time:

00:55:49

Capacity: 8000.00 psig

Last Calib.: 2019.12.09

Time On Btm:

Time Off Btm:

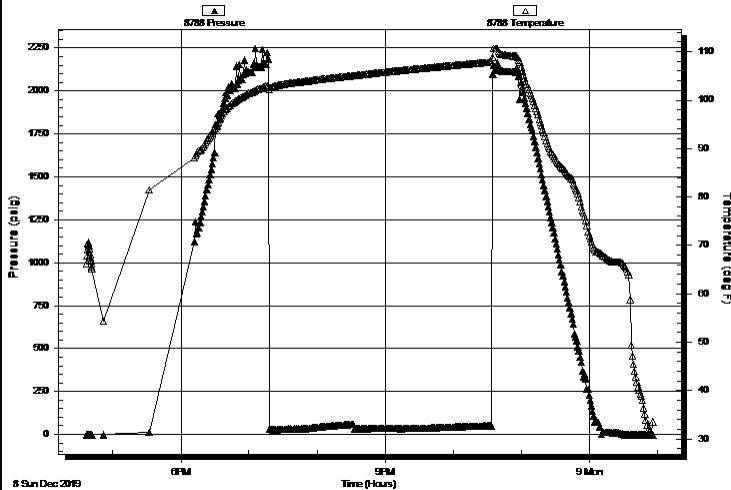
TEST COMMENT: IF: Weak Blow . Built to 3.47".

IS: No Blow .

FF: Weak Blow . Built to 1".

FS: No Blow .

Pressure vs. Time



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|------------|
|-------------|-----------------|--------------|------------|

### Recovery

| Length (ft) | Description    | Volume (bbl) |
|-------------|----------------|--------------|
| 15.00       | O spec M 100%m | 0.11         |
|             |                |              |
|             |                |              |
|             |                |              |
|             |                |              |
|             |                |              |

### Gas Rates

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



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## DRILL STEM TEST REPORT

### FLUID SUMMARY

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**17-30s-15w Barber Co. , Ks.**

P.O. Box 347  
Pratt, Ks. 67124

**Marlee #1**

Job Ticket: 65460

**DST#: 1**

ATTN: Bruce Reed/ Eli Felt

Test Start: 2019.12.08 @ 16:36:33

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 8.79 in<sup>3</sup>

Resistivity: 6000.00 ohm.m

Salinity: ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API: deg API

Water Salinity: 6000 ppm

ft  
bbl

psig

### Recovery Information

Recovery Table

| Length<br>ft | Description    | Volume<br>bbl |
|--------------|----------------|---------------|
| 15.00        | O spec M 100%m | 0.114         |

Total Length: 15.00 ft      Total Volume: 0.114 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: None

Laboratory Name:

Laboratory Location:

Recovery Comments:

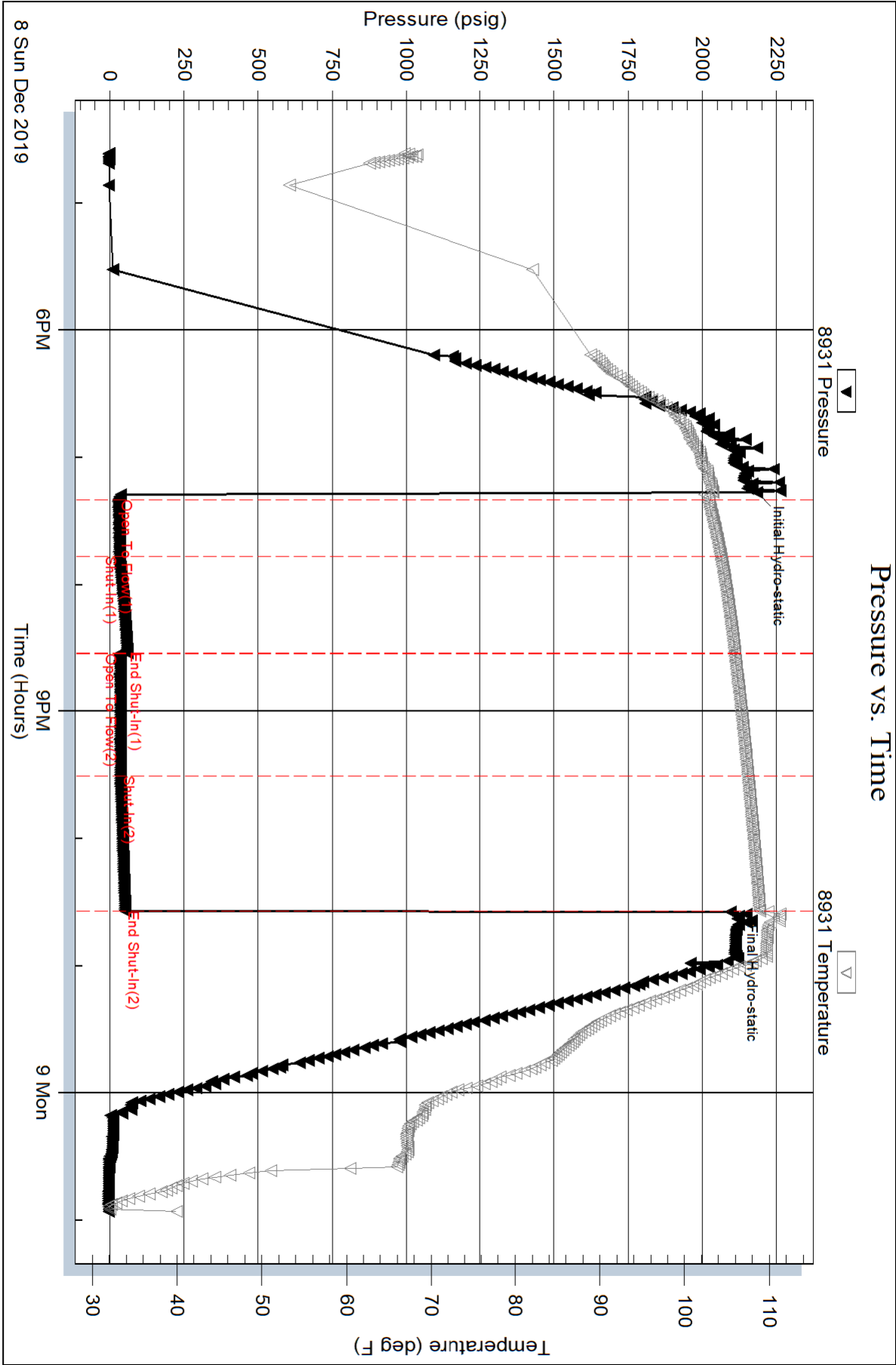
Serial #: 8931

Inside

Griffin, Charles N. (Griffin MNGT)

Marlee #1

DST Test Number: 1



Serial #: 8788

Outside Griffin, Charles N. (Griffin MNGT)

Marlee #1

DST Test Number: 1

