

# DRILL STEM TEST REPORT

F.G.Holl Company L.L.C.  
 9431 East Central Suite 100  
 Wichita, Kansas 67208-2563  
 ATTN: Ryan Greenbaum

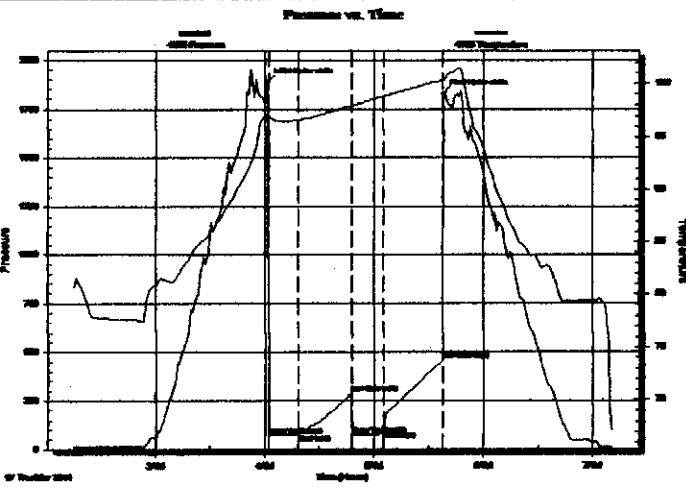
**Ford #3**  
**21-21s-14w Stafford**  
 Job Ticket: 15781      DST#: 5  
 Test Start: 2011.03.17 @ 02:15:00

## GENERAL INFORMATION:

Formation: **Conglomerate & Viola**  
 Deviated: **No Whipstock:**                      ft (KB)  
 Time Tool Opened: 00:00:00  
 Time Test Ended: 00:00:00  
 Interval: **3635.00 ft (KB) To 3725.00 ft (KB) (TVD)**  
 Total Depth: **3725.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
 Test Type: **Conventional Bottom Hole (Initial)**  
 Tester: **Gene Budig**  
 Unit No: **3335-29**  
 Reference Elevations: **1943.00 ft (KB)**  
    **1935.00 ft (CF)**  
    KB to GRVCF: **8.00 ft**

**Serial #: 4005**      **Inside**  
 Press@RunDepth: **456.71 psia @ 3720.78 ft (KB)**      Capacity: **5000.00 psia**  
 Start Date: **2011.03.17**      End Date: **2011.03.17**      Last Calib.: **2011.03.17**  
 Start Time: **02:15:30**      End Time: **07:10:30**      Time On Btrc: **2011.03.17 @ 04:01:30**  
    Time Off Btrc: **2011.03.17 @ 05:38:00**

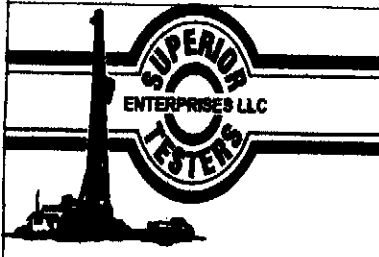
**TEST COMMENT:** 1st Opening 15 Minutes weak blow for 4 minutes and died  
 1st Shut-in 30 Minutes-No blow back  
 2nd Opening 15 Minutes-No blow  
 2nd Shut-in 30 Minutes-No Blow back



| PRESSURE SUMMARY |                 |              |                      |
|------------------|-----------------|--------------|----------------------|
| Time (Min.)      | Pressure (psia) | Temp (deg F) | Annotation           |
| 0                | 1889.86         | 97.16        | Initial Hydro-static |
| 1                | 73.50           | 97.08        | Open To Flow (1)     |
| 17               | 76.67           | 96.62        | Shut-in(1)           |
| 47               | 288.59          | 97.96        | End Shut-in(1)       |
| 47               | 75.74           | 97.97        | Open To Flow (2)     |
| 64               | 88.32           | 98.79        | Shut-in(2)           |
| 96               | 456.71          | 100.31       | End Shut-in(2)       |
| 97               | 1828.56         | 100.34       | Final Hydro-static   |

| Recovery    |              |              |
|-------------|--------------|--------------|
| Length (ft) | Description  | Volume (bbl) |
| 10.00       | Drilling mud | 0.14         |
|             |              |              |
|             |              |              |
|             |              |              |
|             |              |              |

| Gas Rates |                |                 |                  |
|-----------|----------------|-----------------|------------------|
|           | Choke (inches) | Pressure (psia) | Gas Rate (MCF/D) |
|           |                |                 |                  |
|           |                |                 |                  |
|           |                |                 |                  |



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ATTN: Ryan Greenbaum

Job Ticket: 15781

DST#: 5

Test Start: 2011.03.17 @ 02:15:00

## GENERAL INFORMATION:

Formation: **Conglomerate & Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 3335-29

Interval: 3635.00 ft (KB) To 3725.00 ft (KB) (TVD)

Total Depth: 3725.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1943.00 ft (KB)

1935.00 ft (CF)

KB to GRVCF: 8.00 ft

Serial #: 29636

Outside

Press@RunDepth: 450.62 psia @ 3721.78 ft (KB)

Start Date: 2011.03.17

End Date: 2011.03.17

Capacity: 5000.00 psia

Start Time: 02:15:30

End Time: 07:33:00

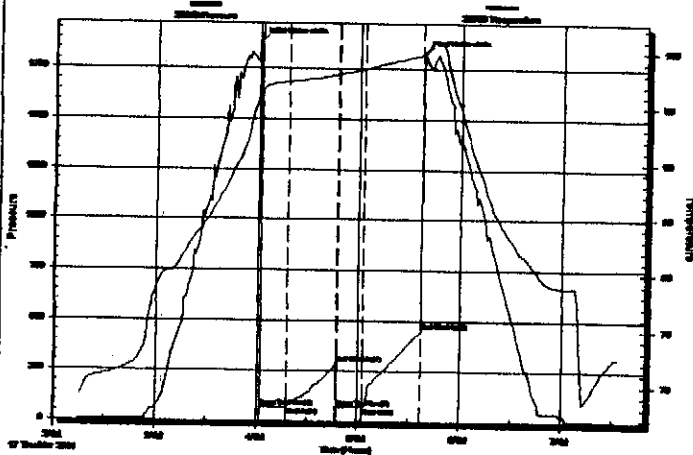
Last Calib.: 2011.03.17

Time On Btm: 2011.03.17 @ 04:01:00

Time Off Btm: 2011.03.17 @ 05:38:00

**TEST COMMENT:** 1st Opening 15 Minutes weak blow for 4 minutes and died  
1st Shut-in 30 Minutes-No blow back  
2nd Opening 15 Minutes-No blow  
2nd Shut-in 30 Minutes-No Blow back

Pressure vs. Time



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1883.97         | 96.25        | Initial Hydro-static |
| 1           | 68.09           | 96.56        | Open To Flow (1)     |
| 17          | 70.23           | 97.30        | Shut-in(1)           |
| 46          | 290.47          | 97.96        | End Shut-in(1)       |
| 47          | 70.83           | 97.98        | Open To Flow (2)     |
| 62          | 71.23           | 98.41        | Shut-in(2)           |
| 97          | 450.62          | 99.73        | End Shut-in(2)       |
| 97          | 1826.84         | 99.80        | Final Hydro-static   |

## Recovery

| Length (ft) | Description  | Volume (bbl) |
|-------------|--------------|--------------|
| 10.00       | Drilling mud | 0.14         |
|             |              |              |
|             |              |              |
|             |              |              |
|             |              |              |

## Gas Rates

|  | Choke (Inches) | Pressure (psia) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
|  |                |                 |                  |

Serial #: 4005

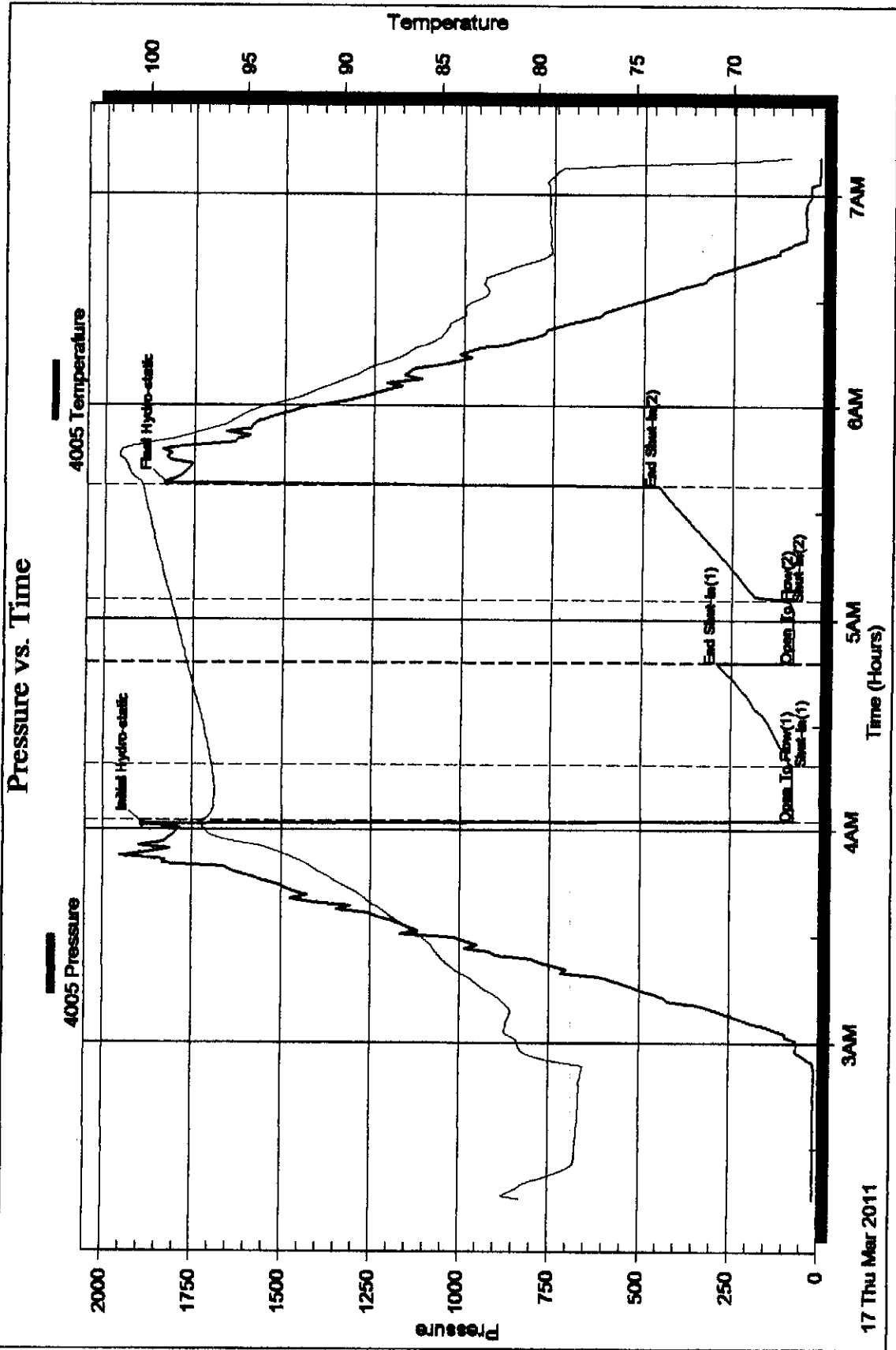
Inside

F.G.Hall Company L.L.C.

21-21s-14w Stafford

DST Test Number: 5

### Pressure vs. Time



Superior Testers Enterprises LLC

Ref. No: 15781

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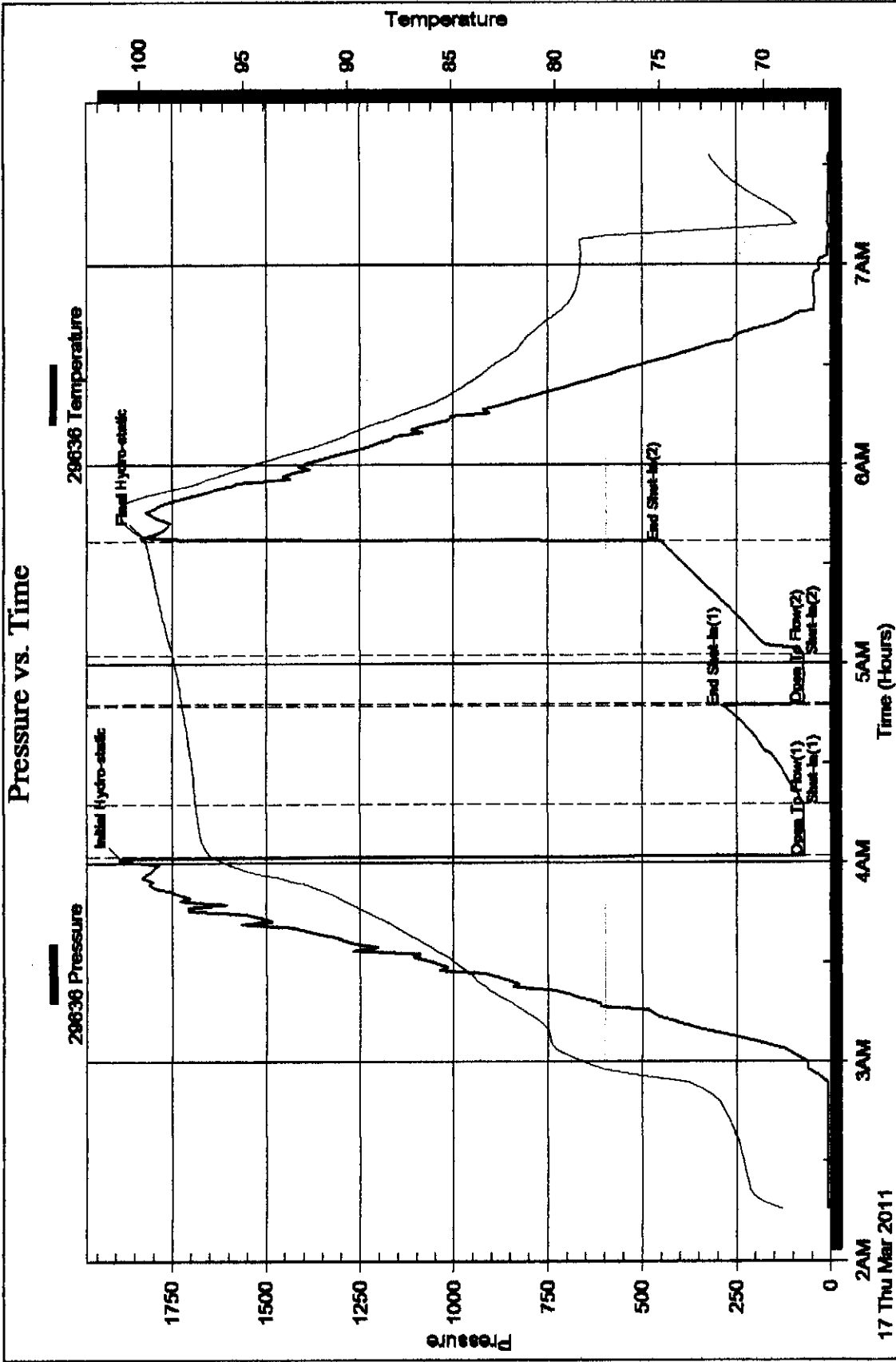
Serial #: 29636

Outside F.G.Hall Company L.L.C.

21-21s-14w Stafford

DST Test Number: 5

### Pressure vs. Time



Printed: 2011.03.21 @ 11:12:59

Ref. No: 15761

Supertor Testers Enterprises LLC