

# DRILL STEM TEST REPORT

F.G.Holl Company L.L.C.  
 9431 East Central Suite 100  
 Wichita, Kansas 67206-2563  
 ATTN: Ryan Greenbaum

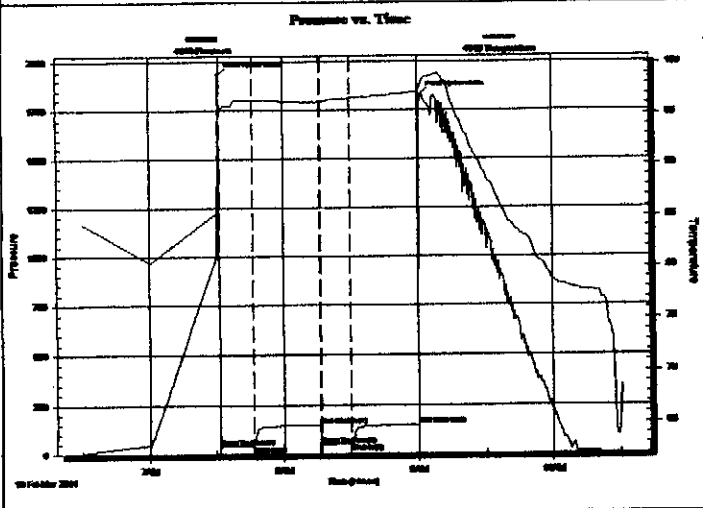
**Ford #3**  
**21-21s-14w Stafford**  
 Job Ticket: 15783      **DST#: 7**  
 Test Start: 2011.03.18 @ 06:30:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No      Whipstock:      ft (KB)  
 Time Tool Opened: 00:00:00  
 Time Test Ended: 00:00:00  
 Interval: **3750.00 ft (KB) To 3774.00 ft (KB) (TVD)**  
 Total Depth: **3774.00 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 GR/CF: **8.00 ft**

**Serial #: 4143**      **Outside**  
 Press@RunDepth: **148.33 psia @ 3771.00 ft (KB)**      Capacity: **5000.00 psia**  
 Start Date: **2011.03.18**      End Date: **2011.03.18**      Last Calib.: **2011.03.18**  
 Start Time: **06:30:30**      End Time: **10:31:00**      Time On Btm: **2011.03.18 @ 07:31:00**  
                   Time Off Btm: **2011.03.18 @ 09:01:00**

**TEST COMMENT:** 1st Opening 15 Minutes-Weak blow for 1 minute 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

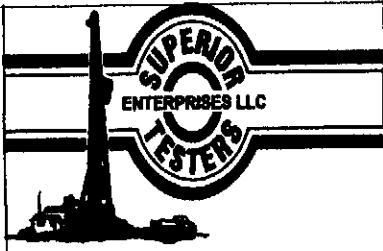
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1935.40	95.65	Initial Hydro-static
1	38.23	95.67	Open To Flow (1)
16	44.14	96.39	Shut-In(1)
45	149.23	96.18	End Shut-In(1)
46	45.21	96.19	Open To Flow (2)
59	51.87	96.56	Shut-In(2)
89	148.33	97.17	End Shut-In(2)
90	1827.24	97.73	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	Drilling mud	0.21

## Gas Rates

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



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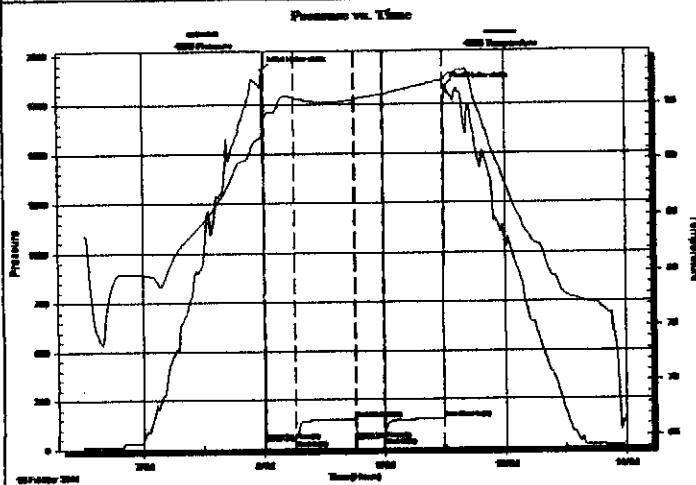
Ford #3  
 21-21s-14w Stafford  
 Job Ticket: 15783      DST#: 7  
 Test Start: 2011.03.18 @ 06:30:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 00:00:00  
 Time Test Ended: 00:00:00  
 Interval: **3750.00 ft (KB) To 3774.00 ft (KB) (TVD)**  
 Total Depth: **3774.00 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 GR/CF: 8.00 ft

Serial #: **4005** Inside  
 Press@RunDepth: 151.28 psia @ 3770.00 ft (KB) Capacity: 5000.00 psia  
 Start Date: 2011.03.18 End Date: 2011.03.18 Last Calib.: 2011.03.18  
 Start Time: 06:30:30 End Time: 10:59:30 Time On Btm: 2011.03.18 @ 07:59:30  
 Time Off Btm: 2011.03.18 @ 09:30:00

TEST COMMENT: 1st Opening 15 Minutes-Weak blow for 1 minute 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	1925.95	92.80	Initial Hydro-static
1	40.75	93.77	Open To Flow (1)
16	46.88	95.56	Shut-In(1)
46	152.26	95.35	End Shut-In(1)
46	48.00	95.36	Open To Flow (2)
60	54.96	95.86	Shut-In(2)
90	151.28	97.12	End Shut-In(2)
91	1835.38	97.23	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	Drilling mud	0.21

## Gas Rates

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

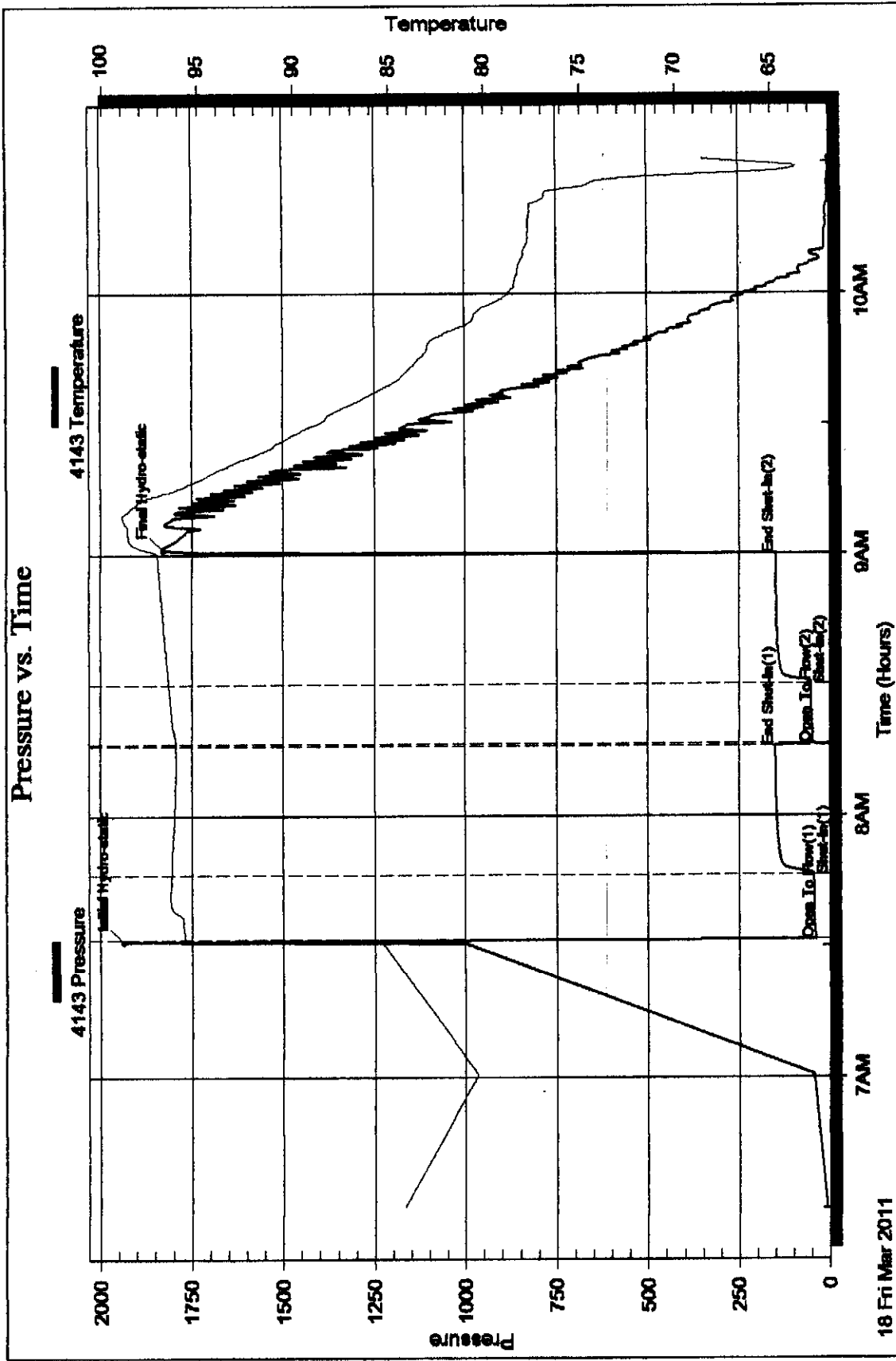
DST Test Number: 7

21-21s-14w Stafford

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

Serial #: 4143

### Pressure vs. Time



Printed: 2011.03.21 @ 11:09:05

Ref. No: 15783

Superior Testers Enterprises LLC

DST Test Number: 7

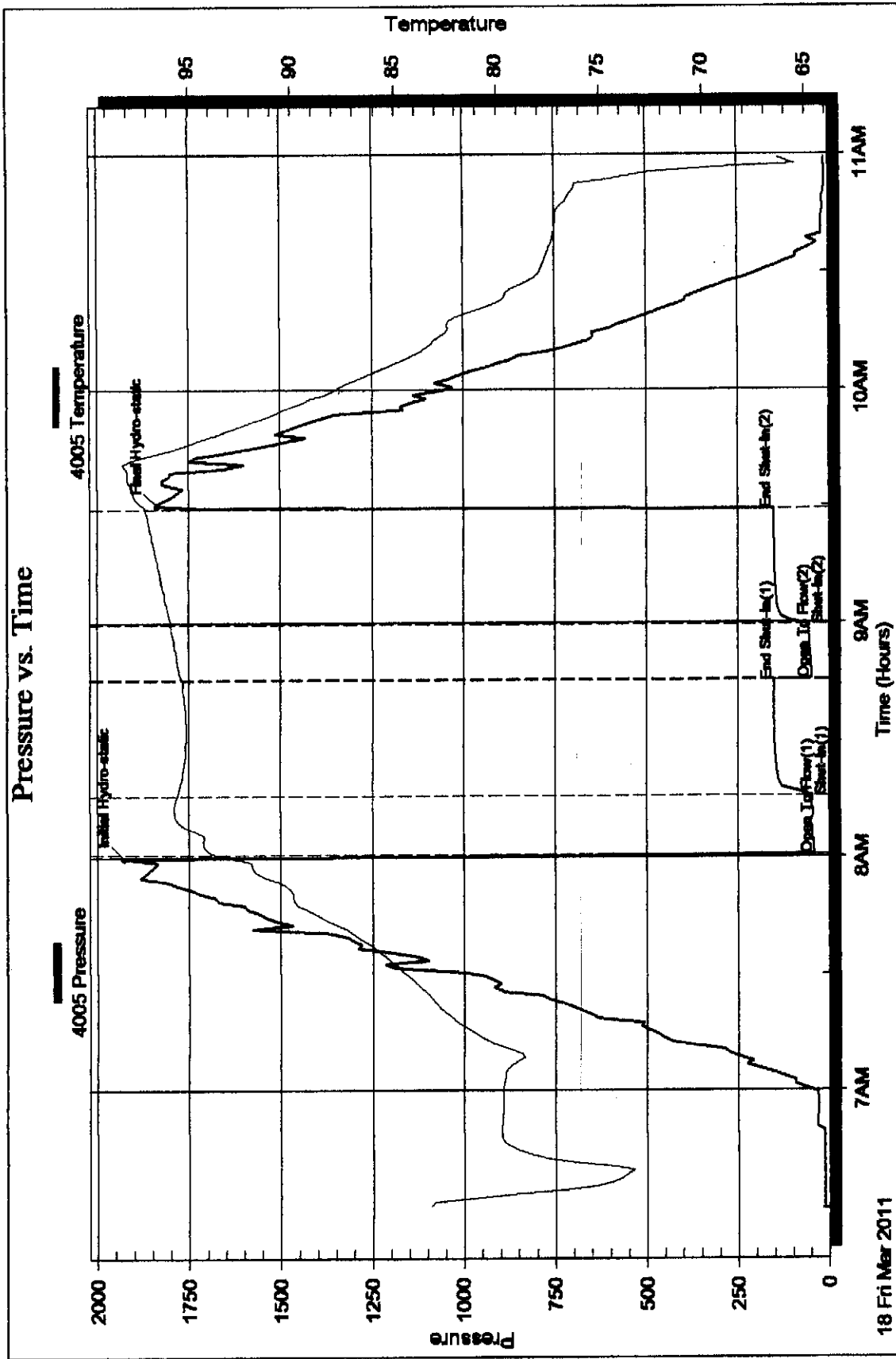
21-21s-14w Stafford

F.G.Hol Company L.L.C.

Inside

Serial #: 4005

### Pressure vs. Time



Printed: 2011.03.21 @ 11:09:06

Ref. No: 15783

Superior Testers Enterprises LLC