

# DRILL STEM TEST REPORT

F.G. Holl company  
 9431 East Central Suite 100  
 Wichita Kansas 67206  
 ATTN: Ryan Greenbaum

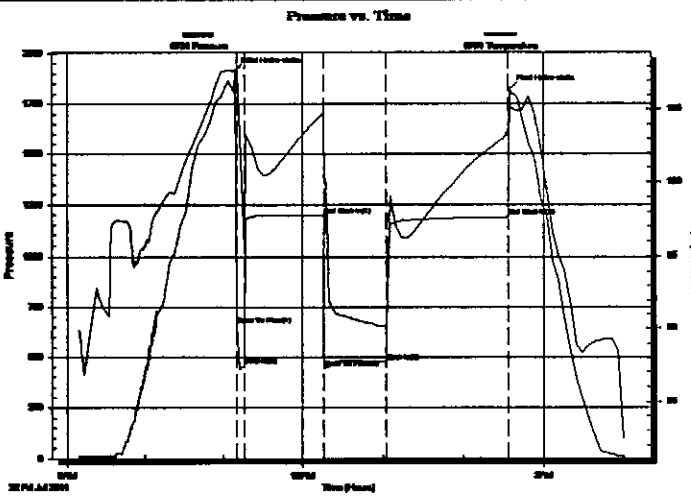
C.J&M Inc. unit 1-32  
 32-20-15w-Barton  
 Job Ticket: 16559 DST#: 1  
 Test Start: 2011.07.22 @ 09:09:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: **No** Whipstock: **ft (KB)**  
 Time Tool Opened: 11:11:30  
 Time Test Ended: 16:04:30  
 Interval: **3719.00 ft (KB) To 3726.00 ft (KB) (TVD)**  
 Total Depth: **3726.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
 Test Type: **Conventional Bottom Hole (Initial)**  
 Tester: **Dustin Ellis**  
 Unit No: **3335 GB-28**  
 Reference Elevations: **3726.00 ft (KB)**  
**3719.00 ft (CF)**  
 KB to GR/CF: **7.00 ft**

Serial #: **6731** Outside  
 Press@RunDepth: **1190.61 psia @ 3723.00 ft (KB)** Capacity: **5000.00 psia**  
 Start Date: **2011.07.22** End Date: **2011.07.22** Last Calib.: **2011.07.22**  
 Start Time: **09:09:01** End Time: **16:04:00** Time On Btm: **2011.07.22 @ 11:09:00**  
 Time Off Btm: **2011.07.22 @ 14:34:30**

TEST COMMENT: 1st open 5 minutes Strong blow blew bottom of bucket in less than 1 minute  
 1st shut in 60 minutes blow back  
 2nd open 45 minutes Strong blow bottom of bucket instantly  
 2nd shut in 90 minutes blow back



## PRESSURE SUMMARY

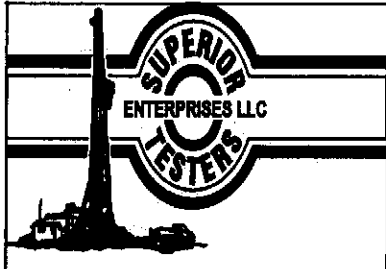
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1913.82	107.73	Initial Hydro-static
2	664.39	107.73	Open To Flow (1)
7	460.01	95.27	Shut-In(1)
67	1199.19	104.80	End Shut-In(1)
67	445.80	102.83	Open To Flow (2)
114	475.19	90.09	Shut-In(2)
204	1190.61	103.63	End Shut-In(2)
208	1822.38	105.31	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	Mud light trace of water	0.84
0.00	mud 100%	0.00

## Gas Rates

	Choke (Inches)	Pressure (psia)	Gas Rate (Mc/d)
First Gas Rate	1.00	16.75	481.54
Last Gas Rate	1.00	17.15	493.04
Max. Gas Rate	1.00	17.15	493.04



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**GAS RATES**

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C.J&M Inc. unit 1-32  
32-20-15w-Barton  
Job Ticket: 16559      **DST#2**  
Test Start: 2011.07.22 @ 09:09:00

## Gas Rates Information

Temperature: 59 (deg F)  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
2	10	1.00	16.75	481.54
2	20	1.00	17.15	493.04
2	30	1.00	17.15	493.04
2	40	1.00	17.15	493.04

Serial #: 6666

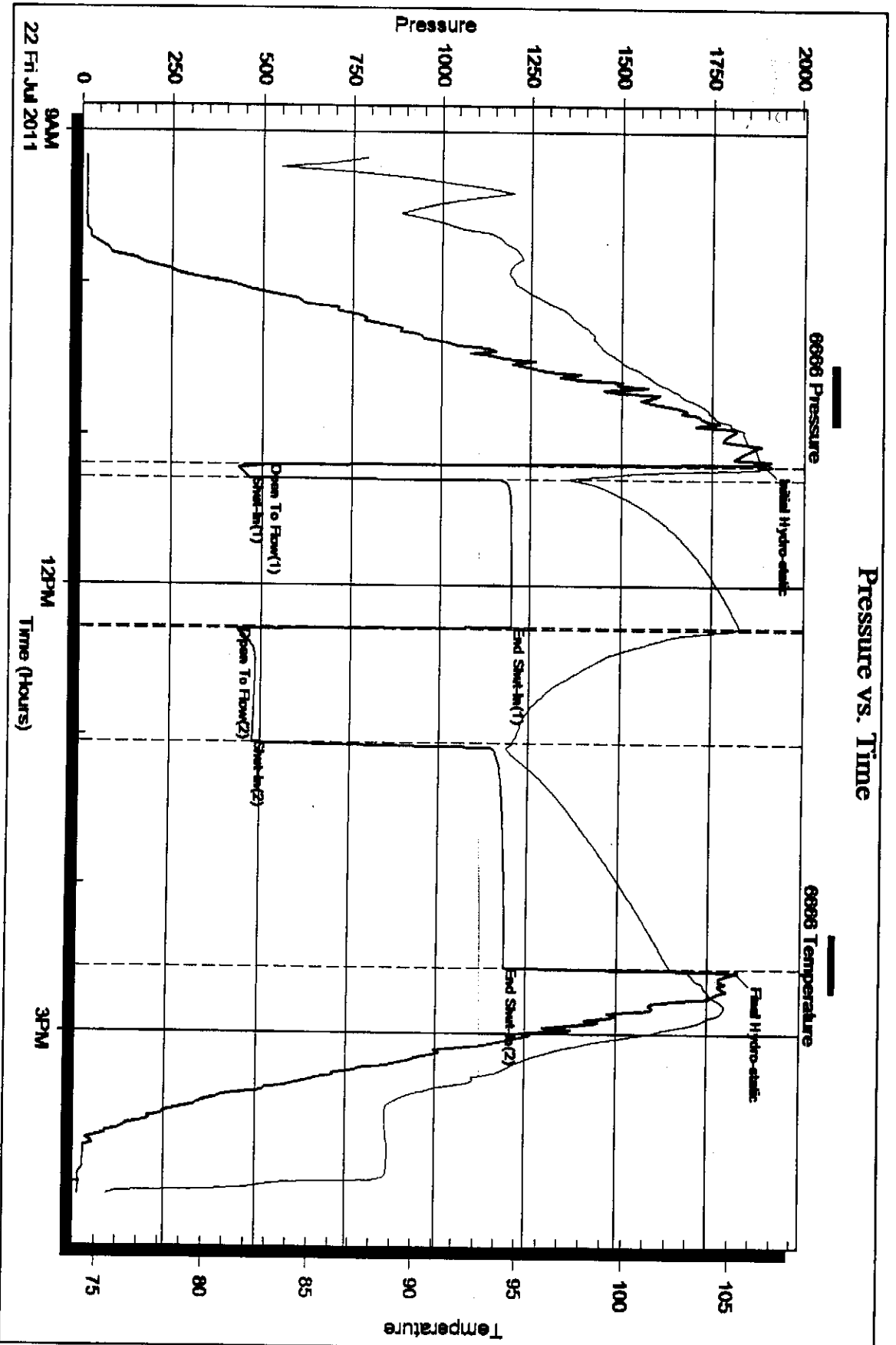
Inside

F.G. Hill company

32-20-15w-Barton

DST Test Number: 2

### Pressure vs. Time

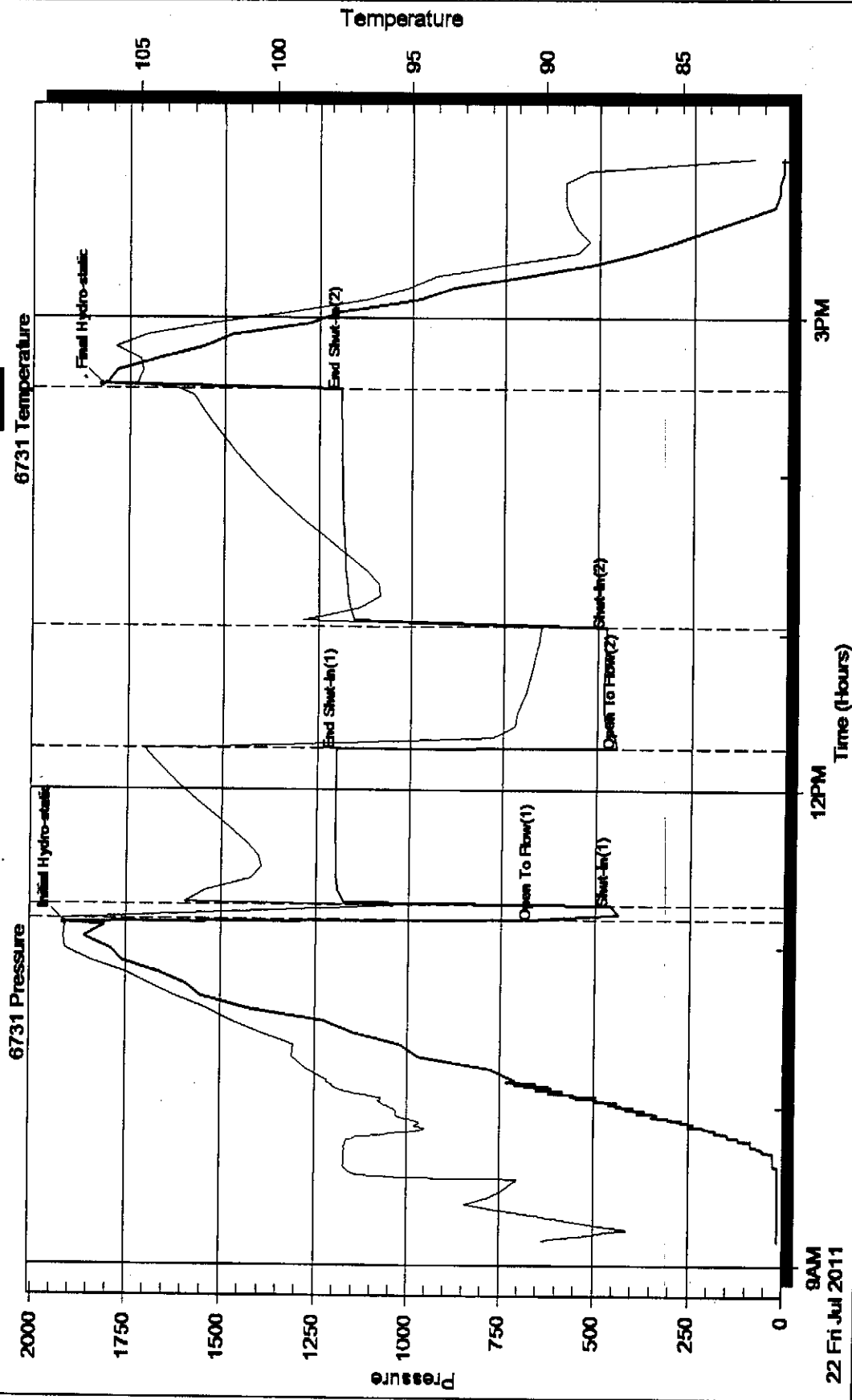


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Ref. No: 16559

Printed: 2011.07.26 @ 11:47:46

# Pressure vs. Time



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Ref. No: 16559

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22 Fri Jul 2011 9AM