

# DRILL STEM TEST REPORT

**FG HOLL**  
 9431 East Central  
 Suite 100  
 Wichita, Kansas 67208  
 ATTN: Frank Greenbaum

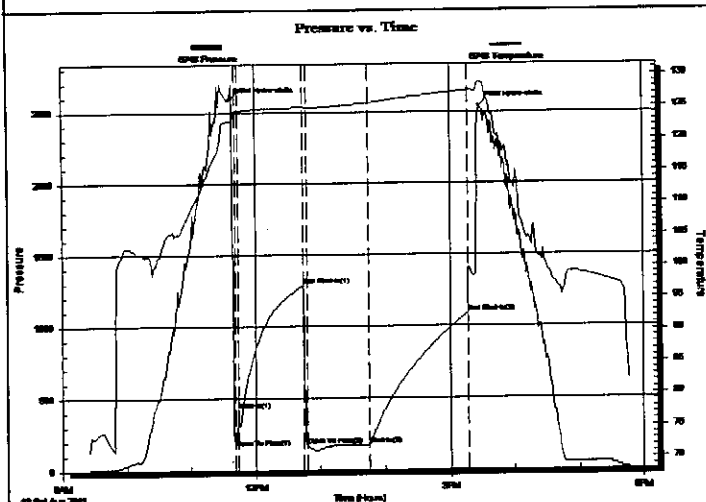
**Petty A 1-36**  
**36/34S/20W/Comanche**  
 Job Ticket: 15832      **DST#: 2**  
 Test Start: 2011.08.13 @ 09:24:00

### GENERAL INFORMATION:

Formation: **Mississippian**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 11:41:30  
 Time Test Ended: 17:48:00  
 Interval: **5190.00 ft (KB) To 5280.00 ft (KB) (TVD)**  
 Total Depth: 5280.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Ken Swinney  
 Unit No: 3325 Pratt/154  
 Reference Elevations: 1736.00 ft (KB)  
 1723.00 ft (CF)  
 KB to GR/CF: 13.00 ft

**Serial #: 6748**      **Outside**  
 Press@RunDepth: 171.59 psig @ 5276.85 ft (KB)      Capacity: 5000.00 psig  
 Start Date: 2011.08.13      End Date: 2011.08.13      Last Calib.: 2011.08.13  
 Start Time: 09:25:00      End Time: 17:48:00      Time On Btm: 2011.08.13 @ 11:36:00  
    Time Off Btm: 2011.08.13 @ 15:27:30

**TEST COMMENT:** 1ST Open      5 minutes/Good blow/Blow to bottom of bucket in 2 minutes  
 1ST Shut In      60 minutes/Light blow back  
 2ND Open      60 minutes/Good blow/Blow to bottom of bucket at open/Gas to surface in 4 minutes  
 2ND Shut In      90 minutes/Good blow back



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2580.07	122.74	Initial Hydro-static
6	156.70	124.37	Open To Flow (1)
8	416.35	124.53	Shut-In(1)
69	1289.97	125.11	End Shut-In(1)
72	169.55	124.96	Open To Flow (2)
129	171.59	125.63	Shut-In(2)
221	1088.66	127.54	End Shut-In(2)
232	2539.79	128.81	Final Hydro-static

Length (ft)	Description	Volume (bbl)
295.00	Watery Mud 10% water 90% mud	4.31

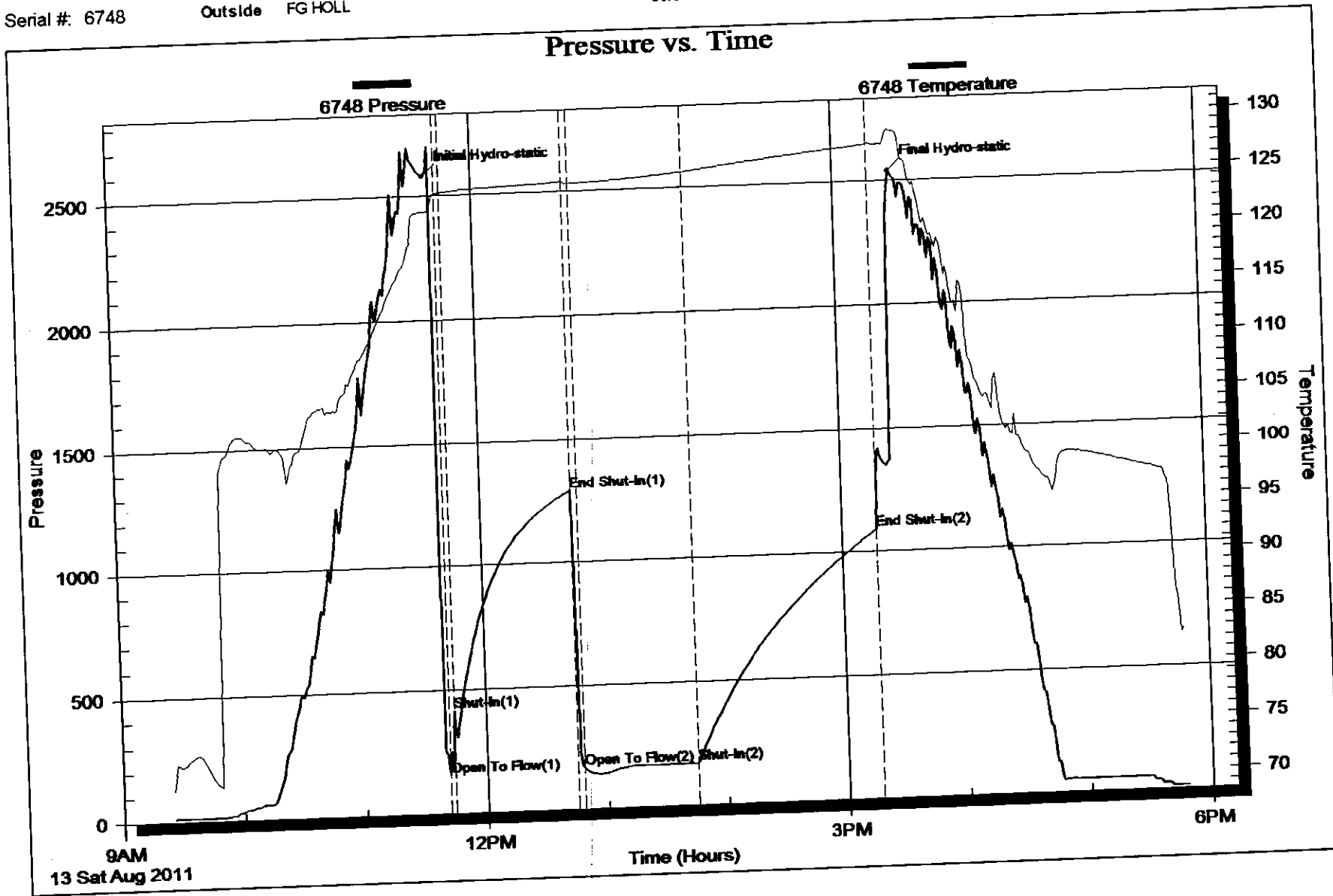
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	3.86	115.00
Last Gas Rate	0.50	5.90	40.74
Max. Gas Rate	0.50	5.97	41.22

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Outside FG HOLL

36/34S/20W/Comanche

DST Test Number: 2



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