

# DRILL STEM TEST REPORT

F.G Holl Company L.L.C  
 9431 E Central Ste 100 Wichita KS 67208  
 ATTN: Rene

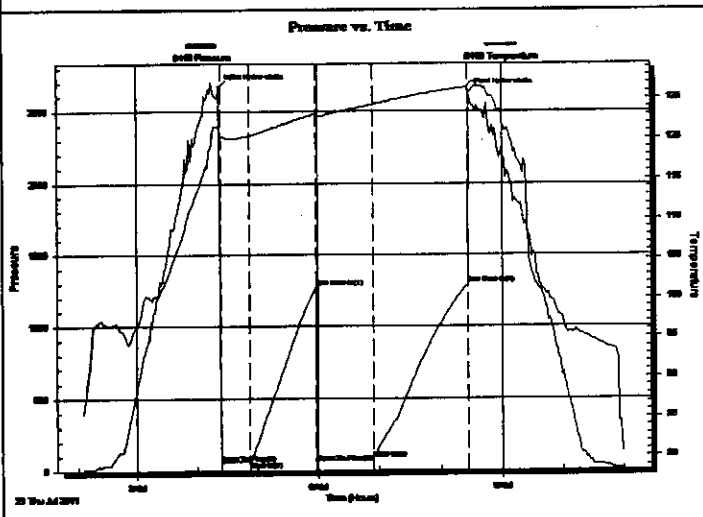
**Woolfolk A 1-31**  
**31-34-19 Comanche**  
 Job Ticket: 16507 DST#: 2  
 Test Start: 2011.07.21 @ 02:05:00

## GENERAL INFORMATION:

Formation: **Mississippi**  
 Deviated: **No Whipstock:** ft (KB)  
 Test Type: **Conventional Bottom Hole (Initial)**  
 Time Tool Opened: **04:24:30**  
 Tester: **Jared Scheck**  
 Time Test Ended: **11:01:00**  
 Unit No: **3320-GB-236**  
 Interval: **5275.00 ft (KB) To 5307.00 ft (KB) (TVD)**  
 Reference Elevations: **1741.00 ft (KB)**  
 Total Depth: **5307.00 ft (KB) (TVD)**  
**1728.00 ft (CF)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
 KB to GR/CF: **13.00 ft**

**Serial #: 8419** **Inside**  
 Press@RunDepth: **79.45 psia @ 5303.00 ft (KB)** Capacity: **5000.00 psia**  
 Start Date: **2011.07.21** End Date: **2011.07.21** Last Calib.: **2011.07.21**  
 Start Time: **02:06:00** End Time: **11:01:00** Time On Btm: **2011.07.21 @ 04:23:00**  
 Time Off Btm: **2011.07.21 @ 08:27:30**

**TEST COMMENT:** 30/Initial Open:Fair blow built bottom of bucket in 12 minutes  
 60/Initial Shut In:No blow back  
 60/Final Open:Strong blow built bottom of bucket in 1 minute  
 90/Final Shut In :No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2666.45	121.43	Initial Hydro-static
2	51.24	120.55	Open To Flow (1)
30	65.17	120.37	Shut-In(1)
95	1278.01	123.09	End Shut-In(1)
96	54.38	122.81	Open To Flow (2)
151	79.45	124.28	Shut-In(2)
244	1294.69	126.47	End Shut-In(2)
245	2628.43	126.76	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
80.00	MUD	0.39

## Gas Rates

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

