

**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

F.G. Holl Company, LLC

Hair/Wagner unit 1-27

9431 E. Central STE 100  
Wichita, KS 67206

27-18s-22w Ness, KS

Job Ticket: 43871

DST#: 1

ATTN: Frank Greenbaum

Test Start: 2011.06.20 @ 17:18:00

### GENERAL INFORMATION:

Formation: **Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:46:30

Time Test Ended: 02:27:30

Test Type: Conventional Bottom Hole

Tester: Cody Bloedorn

Unit No: 47

Interval: 4270.00 ft (KB) To 4312.00 ft (KB) (TVD)

Total Depth: 4312.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2389.00 ft (KB)

2376.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 6753

Inside

Press@RunDepth: 108.08 psig @ 4271.00 ft (KB)

Start Date: 2011.06.20

End Date:

2011.06.21

Capacity: 8000.00 psig

Last Calib.: 2011.06.21

Start Time: 17:18:05

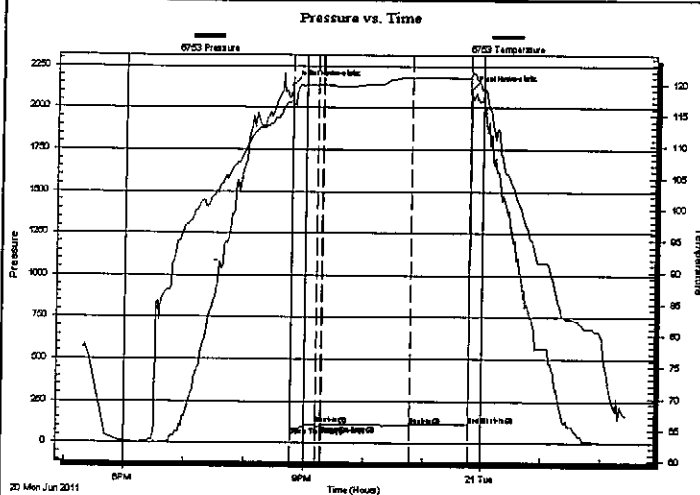
End Time:

02:27:30

Time On Btm: 2011.06.20 @ 20:46:00

Time Off Btm: 2011.06.20 @ 23:47:00

**TEST COMMENT:** 30 - IF- 4" blow in 15 Mn, died back to 2 3/4"  
60 - IS- No blow back  
30 - FF- No blow back for 26 Mn. 1/4" blow  
60 - FS- No blow back



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2138.95	117.30	Initial Hydro-static
1	41.94	116.72	Open To Flow (1)
25	109.05	119.75	Shut-In(1)
31	102.50	120.01	End Shut-In(1)
31	106.24	119.97	Open To Flow (2)
120	108.08	120.99	Shut-In(2)
180	111.04	121.00	End Shut-In(2)
181	2108.91	121.66	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
62.00	5%G, 5%O, 10%W, 80%M	0.30
62.00	20%G, 40%O, 50%M	0.30
62.00	2%O, 98%M	0.30
10.00	2%O, 3%G, 90%M	0.14

### Gas Rates

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