



## DRILL STEM TEST REPORT

Prepared For: **F.G.Holl Company LLC**

9431 East Central Suite #100  
Wichita, Kansas 67206+2563

ATTN: Frank Greenbaum

### **Thompson #1-30**

#### **30/30S/13W Barber Co.**

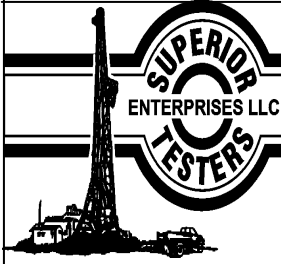
Start Date: 2012.01.22 @ 09:20:00

End Date: 2012.01.22 @ 17:07:30

Job Ticket #: 18871                      DST #: 4

Superior Testers Enterprises LLC  
PO Box 138 Great Bend KS 67530  
1-800-792-6902

Printed: 2012.01.23 @ 03:25:50



# DRILL STEM TEST REPORT

F.G.Holl Company LLC  
 9431 East Central Suite #100  
 Wichita, Kansas 67206+2563  
 ATTN: Frank Greenbaum

**30/30S/13W Barber Co.**  
**Thompson #1-30**  
 Job Ticket: 18871 **DST#: 4**  
 Test Start: 2012.01.22 @ 09:20:00

## GENERAL INFORMATION:

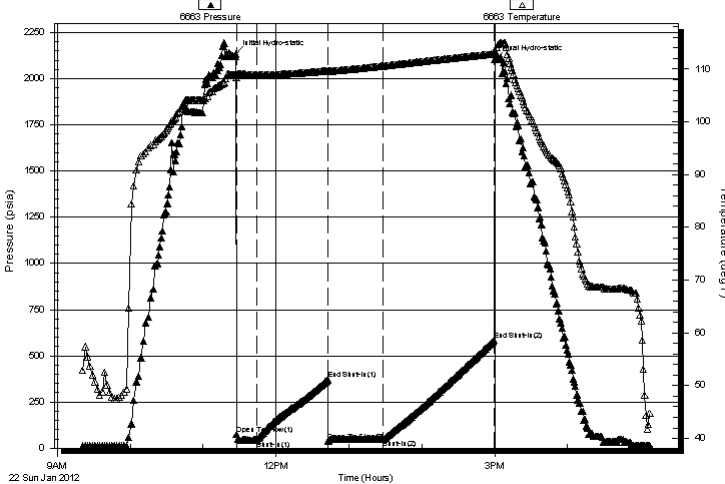
Formation: **Lancing (K)**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 11:27:30  
 Time Test Ended: 17:07:30  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Dustin Ellis  
 Unit No: 3315-Great-Bend-150  
 Interval: **4308.00 ft (KB) To 4330.00 ft (KB) (TVD)**  
 Total Depth: 4330.00 ft (KB) (TVD)  
 Reference Elevations: 1929.00 ft (KB)  
 1918.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 KB to GR/CF: 11.00 ft

## Serial #: 6663 Outside

Press @ RunDepth: 46.69 psia @ 4310.56 ft (KB) Capacity: 5000.00 psia  
 Start Date: 2012.01.22 End Date: 2012.01.22 Last Calib.: 2012.01.23  
 Start Time: 09:20:00 End Time: 17:07:30 Time On Btm: 2012.01.22 @ 11:27:00  
 Time Off Btm: 2012.01.22 @ 15:00:00

**TEST COMMENT:** 1st Open 15 minutes Fair building blow blew bottom bucket in 8 minutes  
 1st Shut in 60 minutes No blow back  
 2nd Open 45 minutes Strong blow bottom of bucket instantly  
 2nd Shut in 90 minutes No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2133.56	109.02	Initial Hydro-static
1	76.82	108.42	Open To Flow (1)
18	43.66	108.93	Shut-In(1)
76	371.08	109.70	End Shut-In(1)
76	39.47	109.59	Open To Flow (2)
121	46.69	110.56	Shut-In(2)
213	583.22	112.88	End Shut-In(2)
213	2105.58	113.56	Final Hydro-static

## Recovery

## Gas Rates

Length (ft)	Description	Volume (bbl)
40.00	Mudd 100%	0.56

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



# DRILL STEM TEST REPORT

F.G.Holl Company LLC  
 9431 East Central Suite #100  
 Wichita, Kansas 67206+2563  
 ATTN: Frank Greenbaum

30/30S/13W Barber Co.

Thompson #1-30

Job Ticket: 18871      **DST#: 4**

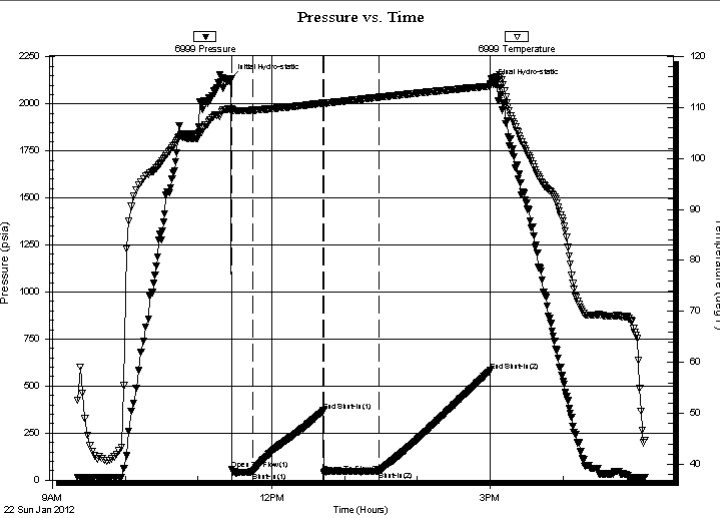
Test Start: 2012.01.22 @ 09:20:00

## GENERAL INFORMATION:

Formation: **Lancing (K)**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 11:27:30  
 Time Test Ended: 17:07:30  
 Interval: **4308.00 ft (KB) To 4330.00 ft (KB) (TVD)**  
 Total Depth: 4330.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Dustin Ellis  
 Unit No: 3315-Great-Bend-150  
 Reference Elevations: 1929.00 ft (KB)  
 1918.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 6999 Outside**  
 Press @ Run Depth: 581.43 psia @ 4310.56 ft (KB) Capacity: 5000.00 psia  
 Start Date: 2012.01.22 End Date: 2012.01.22 Last Calib.: 2012.01.23  
 Start Time: 09:20:00 End Time: 17:07:00 Time On Btm: 2012.01.22 @ 11:27:00  
 Time Off Btm: 2012.01.22 @ 15:00:00

**TEST COMMENT:** 1st Open 15 minutes Fair building blow blew bottom bucket in 8 minutes  
 1st Shut in 60 minutes No blow back  
 2nd Open 45 minutes Strong blow bottom of bucket instantly  
 2nd Shut in 90 minutes No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2134.64	109.64	Initial Hydro-static
1	57.47	109.01	Open To Flow (1)
18	41.47	109.46	Shut-In(1)
76	368.48	110.84	End Shut-In(1)
76	36.93	110.81	Open To Flow (2)
121	44.12	111.99	Shut-In(2)
213	581.43	114.17	End Shut-In(2)
213	2106.59	114.72	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
40.00	Mudd 100%	0.56

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



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

F.G.Holl Company LLC

**30/30S/13W Barber Co.**

9431 East Central Suite #100  
Wichita, Kansas 67206+2563

**Thompson #1-30**

Job Ticket: 18871

**DST#: 4**

ATTN: Frank Greenbaum

Test Start: 2012.01.22 @ 09:20:00

## Tool Information

Drill Pipe:	Length: 4310.00 ft	Diameter: 3.80 inches	Volume: 60.46 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 60.46 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.90 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4308.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	6.34 ft			
Tool Length:	28.24 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

P.O. Sub	0.31			4286.41	
C.O. Sub	0.31			4286.72	
P.O. Sub	0.31			4287.03	
Recorder	1.80		Fluid	4288.83	
Conv. S.I. Tool	1.58			4290.41	
Sampler	0.91			4291.32	
HMV	2.10			4293.42	
Recorder	1.80		Inside	4295.22	
Telemetry Tool	7.01			4302.23	
Jars	1.85			4304.08	
Safety Joint	0.72			4304.80	
Packer	1.78			4306.58	21.90 Bottom Of Top Packer
Packer	1.42			4308.00	
Stubb	0.36			4308.36	
Recorder Carrier	2.20			4310.56	
Recorder	0.00	6999	Outside	4310.56	
Recorder	0.00	6663	Outside	4310.56	
Perforations	3.00			4313.56	
Blank Spacing	0.00			4313.56	
Bullnose	0.78			4314.34	6.34 Bottom Packers & Anchor

**Total Tool Length: 28.24**



# DRILL STEM TEST REPORT

## FLUID SUMMARY

F.G.Holl Company LLC

**30/30S/13W Barber Co.**

9431 East Central Suite #100  
Wichita, Kansas 67206+2563

**Thompson #1-30**

Job Ticket: 18871

**DST#: 4**

ATTN: Frank Greenbaum

Test Start: 2012.01.22 @ 09:20:00

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 10.00 lb/gal  
Viscosity: 54.00 sec/qt  
Water Loss: 9.00 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 5000.00 ppm  
Filter Cake: 1.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psia

Oil API: deg API  
Water Salinity: ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	Mudd 100%	0.561

Total Length: 40.00 ft      Total Volume: 0.561 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

