



## DRILL STEM TEST REPORT

Prepared For: **F G Holl Oil Company**

9431 East Central Suite 100  
Wichita, Kansas  
67206+2583

ATTN: Rene Husted

**Bell " B " #1-7**

**7/30S/13W Barber Co.**

Start Date: 2012.02.13 @ 04:47:00

End Date: 2012.02.13 @ 12:28:30

Job Ticket #: 18836                      DST #: 3

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

Printed: 2012.02.13 @ 10:41:43



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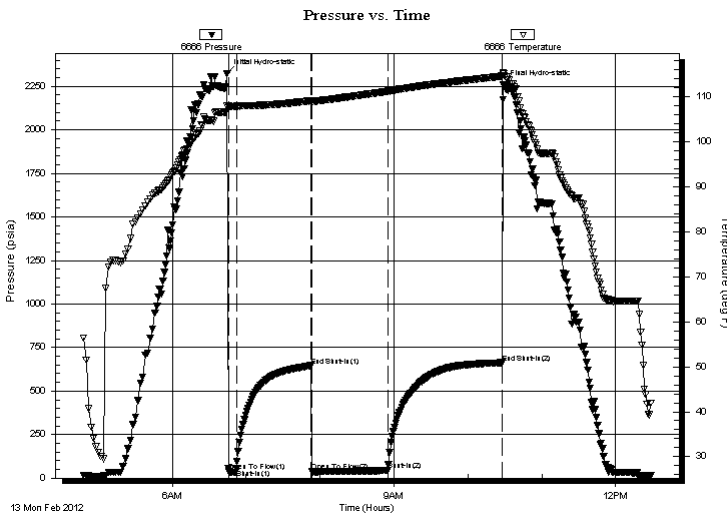
**7/30S/13W Barber Co.**  
**Bell " B " #1-7**  
 Job Ticket: 18836 **DST#: 3**  
 Test Start: 2012.02.13 @ 04:47:00

## GENERAL INFORMATION:

Formation: **Viola**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 06:46:00 Tester: Dylan E Ellis  
 Time Test Ended: 12:28:30 Unit No: 3345/Great Bend/142  
 Interval: **4581.00 ft (KB) To 4600.00 ft (KB) (TVD)** Reference Elevations: 1922.00 ft (KB)  
 Total Depth: 4600.00 ft (KB) (TVD) 1911.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

**Serial #: 6666 Outside**  
 Press @ Run Depth: 43.32 psia @ 4597.00 ft (KB) Capacity: 5000.00 psia  
 Start Date: 2012.02.13 End Date: 2012.02.13 Last Calib.: 2012.02.13  
 Start Time: 04:47:00 End Time: 12:28:30 Time On Btm: 2012.02.13 @ 06:44:30  
 Time Off Btm: 2012.02.13 @ 10:29:00

**TEST COMMENT:** 1ST Opening 5 Minutes very strong blow /blow blew to bottom of bucket in 15 seconds  
 1ST Shut-In 60 Minutes no blow back  
 2ND Opening 45 Minutes very very strong blow /blow blew to bottom of bucket instantly/gas to surface in 15 mins.  
 2ND Shut-In 90 Minutes yes very weak surface blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2325.07	107.95	Initial Hydro-static
2	39.69	107.88	Open To Flow (1)
8	53.11	107.89	Shut-In(1)
68	645.78	109.13	End Shut-In(1)
69	36.58	108.98	Open To Flow (2)
131	43.32	111.19	Shut-In(2)
224	663.14	114.59	End Shut-In(2)
225	2257.95	115.05	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
40.00	Mud cut Oil	0.56
0.00	40% Mud 60% Oil	0.00
0.00	Max gas gauged w as 2,000.0 mCf a day	0.00

## Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
First Gas Rate	0.13	3.00	1.12
Last Gas Rate	0.13	5.60	2.10





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**TOOL DIAGRAM**

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## Tool Information

Drill Pipe:	Length: 4559.00 ft	Diameter: 3.80 inches	Volume: 63.95 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: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 16000.00 lb
			<u>Total Volume: 63.95 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4581.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	47.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut-In Tool	5.00			4558.00	
Hydraulic Tool	5.00			4563.00	
Jars	6.00			4569.00	
Safety Joint	2.00			4571.00	
Packer	5.00			4576.00	28.00 Bottom Of Top Packer
Packer	5.00			4581.00	
Anchor	14.00			4595.00	
Recorder	1.00	6731	Inside	4596.00	
Recorder	1.00	6666	Outside	4597.00	
Bull Plug	3.00			4600.00	19.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>47.00</b>				



# DRILL STEM TEST REPORT

## FLUID SUMMARY

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### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 49.00 sec/qt  
Water Loss: 8.80 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 4600.00 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	Mud cut Oil	0.561
0.00	40% Mud 60% Oil	0.000
0.00	Max gas gauged w as 2,000.0 mCf a day	0.000

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: Look at the gas gauge chart.



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**GAS RATES**

F G Holl Oil Company

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## 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	50	0.13	3.00	1.12
2	60	0.13	5.60	2.10

