



## DRILL STEM TEST REPORT

Prepared For: **FG Holl Company LLC**

9431 East Central  
Suite 100  
Wichita, Kansas 67206+2563

ATTN: Ryan Greenbaum

### **Foster Trust A #1-1**

### **1/21S/16W/Pawnee**

Start Date: 2014.04.05 @ 03:08:00

End Date: 2014.04.05 @ 09:39:00

Job Ticket #: 18273                      DST #: 4

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

Printed: 2014.04.05 @ 10:09:52







# DRILL STEM TEST REPORT

TOOL DIAGRAM

FG Holl Company LLC

1/21S/16W/Pawnee

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## Tool Information

Drill Pipe:	Length: 3778.00 ft	Diameter: 3.80 inches	Volume: 53.00 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: 75000.00 lb
			<u>Total Volume: 53.00 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3790.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	33.00 ft			
Number of Packers:	1	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			3772.00	
Hydraulic tool	5.00			3777.00	
Jars	6.00			3783.00	
Safety Joint	2.00			3785.00	
Packer	5.00			3790.00	23.00 Bottom Of Top Packer
Anchor	5.00			3795.00	
Recorder	1.00	6749	Inside	3796.00	
Recorder	1.00	8938	Outside	3797.00	
Bullnose	3.00			3800.00	10.00 Anchor Tool
<b>Total Tool Length:</b>	<b>33.00</b>				



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**FLUID SUMMARY**

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## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.00 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8600.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

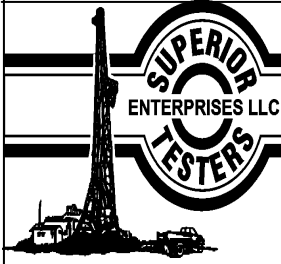
Length ft	Description	Volume bbl
93.00	Oil cut Muddy Water	1.305
0.00	Oil 10% Mud 30% Water 70%	0.000
310.00	Mud cut Oily Water	4.348
0.00	Mud 10% Oil 15% Water 75%	0.000
2232.00	Slightly gassy water with show of oil	31.309
0.00	Gas 2% Water 98%	0.000
0.00	Recov. Chlorides 30,000 ppm	0.000
0.00	Recov. Resist .23 ohms @ 50 deg	0.000

Total Length: 2635.00 ft      Total Volume: 36.962 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:



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**GAS RATES**

FG Holl Company LLC

**1/21S/16W/Pawnee**

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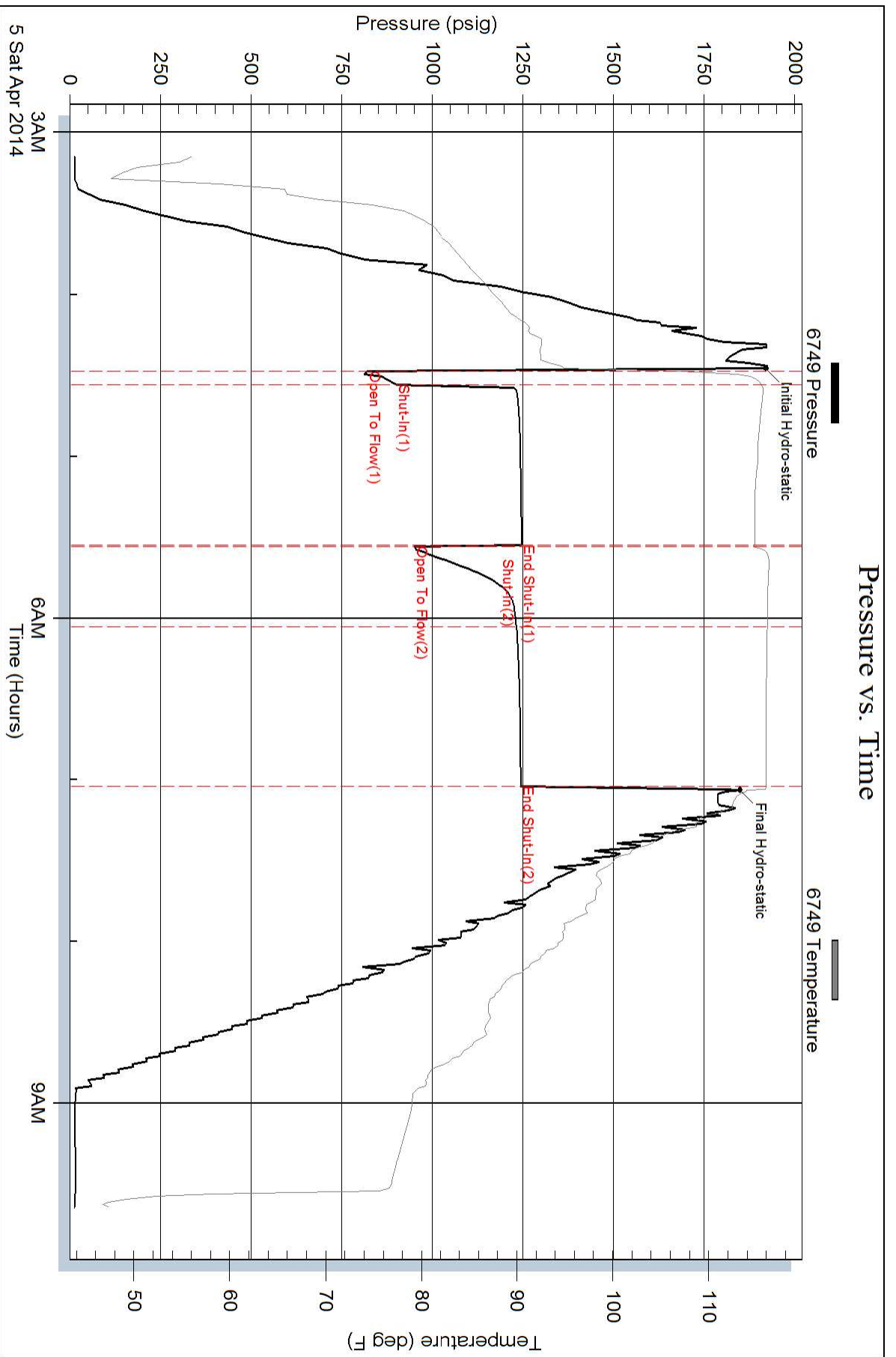
## Gas Rates Information

Temperature: 59 (deg F)  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	10	0.13	17.40	11.90

### Pressure vs. Time



### Pressure vs. Time

