



DRILL STEM TEST REPORT

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

9431 East Central Suite 100
Wichita, Kansas 67206-2563

ATTN:

Foster Unit #1-5

5-20s-16w Pawnee

Start Date: 2012.06.05 @ 00:00:00

End Date: 2012.06.05 @ 00:00:00

Job Ticket #: 15868 DST #: 1

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

Printed: 2012.06.05 @ 13:58:43



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F.G.Holl Company
 9431 East Central Suite 100
 Wichita, Kansas 67206-2563
 ATTN:

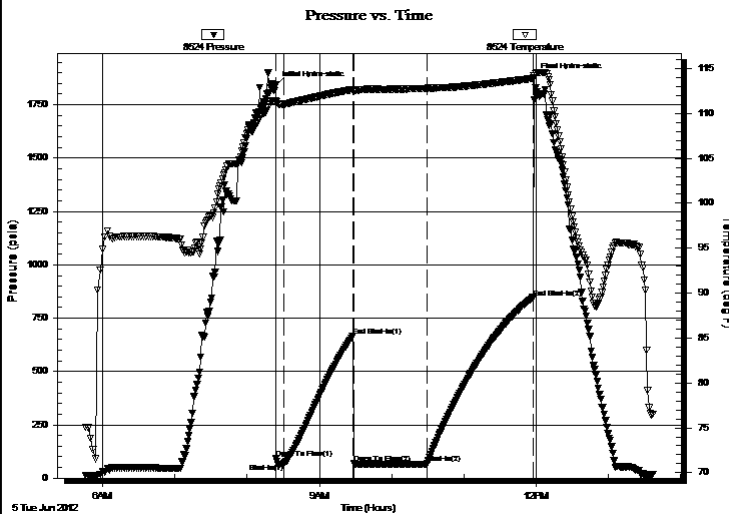
5-20s-16w Pawnee
Foster Unit #1-5
 Job Ticket: 15868 **DST#: 1**
 Test Start: 2012.06.05 @ 00:00:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:00:00
 Time Test Ended: 00:00:00
 Interval: **3675.00 ft (KB) To 3750.00 ft (KB) (TVD)**
 Total Depth: 3750.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gene Budig
 Unit No: 3335-42
 Reference Elevations: 2038.00 ft (KB)
 2030.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8524 Inside
 Press @ RunDepth: 846.93 psia @ 3746.02 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.06.05 End Date: 2012.06.05 Last Calib.: 2012.06.05
 Start Time: 05:45:00 End Time: 13:36:30 Time On Btm: 2012.06.05 @ 08:23:30
 Time Off Btm: 2012.06.05 @ 11:58:00

TEST COMMENT: 1st Opening 05 Minutes-Weak building blow built to 5 inches into the water
 1st Shut-In 60 Minutes-No blow back
 2nd Opening 60 Minutes-Very strong blow built to the bottom of the bucket in 1 seconds
 2nd Shut-In 90 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1841.82	111.42	Initial Hydro-static
1	90.94	111.34	Open To Flow (1)
7	70.56	111.02	Shut-In(1)
64	665.21	112.66	End Shut-In(1)
65	67.22	112.58	Open To Flow (2)
126	68.67	112.80	Shut-In(2)
214	846.93	113.89	End Shut-In(2)
215	1879.41	114.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	drilling mud	0.28

Gas Rates

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



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TOOL DIAGRAM

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5-20s-16w Pawnee
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 Test Start: 2012.06.05 @ 00:00:00

Tool Information

Drill Pipe:	Length: 3665.00 ft	Diameter: 3.80 inches	Volume: 51.41 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.86 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: 45000.00 lb
			<u>Total Volume: 51.41 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3675.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	75.02 ft			
Tool Length:	103.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3652.00	
Hydraulic Tool	5.00			3657.00	
Jars	6.00			3663.00	
Safety Joint	2.00			3665.00	
Packer	5.00			3670.00	28.00 Bottom Of Top Packer
Packer	5.00			3675.00	
Perforations	5.00			3680.00	
Change Over Sub	0.75			3680.75	
Drill Pipe	31.52			3712.27	
Change Over Sub	0.75			3713.02	
Perforations	32.00			3745.02	
Recorder	1.00	8524	Inside	3746.02	
Recorder	1.00	93335	Outside	3747.02	
Bull Plug	3.00			3750.02	75.02 Bottom Packers & Anchor

Total Tool Length: 103.02



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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: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.00 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 3200.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	drilling mud	0.281

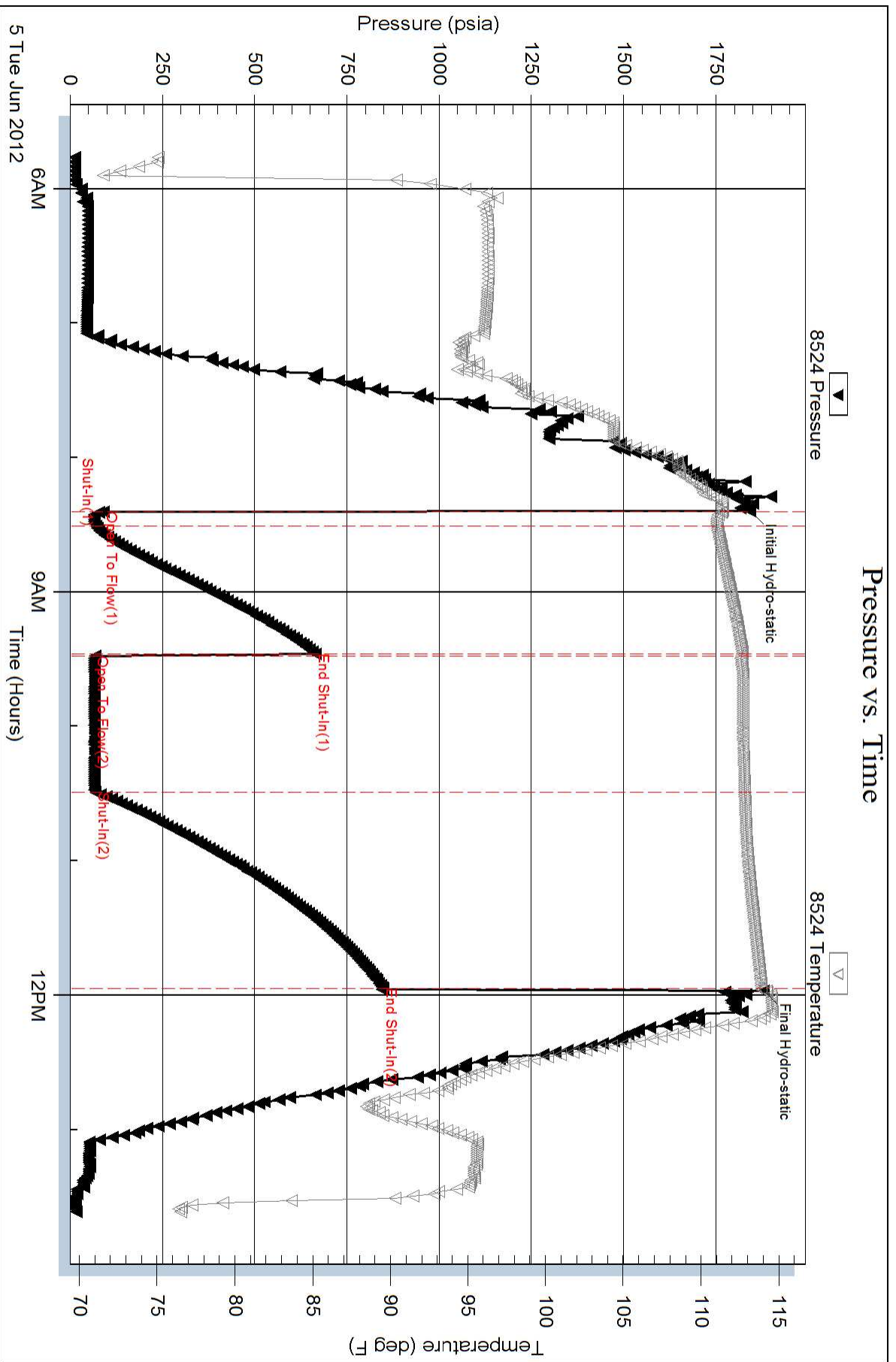
Total Length: 20.00 ft Total Volume: 0.281 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time



Pressure vs. Time

