



DRILL STEM TEST REPORT

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

9431 East Central Suite 100
Wichita, Kansas 67206

ATTN: Ryan Greenbaum

Smith "F" #1-6

6-21s-15w

Start Date: 2014.02.16 @ 00:00:00

End Date: 2014.02.16 @ 00:00:00

Job Ticket #: 17122 DST #: 1

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

Printed: 2014.02.16 @ 10:06:59

F.G.Holl Company LLC
6-21s-15w
Smith "F" #1-6
DST # 1
Herrington
2014.02.16



DRILL STEM TEST REPORT

F.G.Holl Company LLC

6-21s-15w

9431 East Central Suite 100
Wichita, Kansas 67206

Smith "F" #1-6

Job Ticket: 17122

DST#: 1

ATTN: Ryan Greenbaum

Test Start: 2014.02.16 @ 00:00:00

GENERAL INFORMATION:

Formation: **Herrington**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Real-Time)

Tester: Gene Budig

Unit No: 3335-28

Interval: **1868.00 ft (KB) To 1960.00 ft (KB) (TVD)**

Reference Elevations: 1968.00 ft (KB)

Total Depth: 1960.00 ft (KB) (TVD)

1960.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: **8525**

Inside

Press@RunDepth: 539.37 psig @ 1956.02 ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.02.16

End Date: 2014.02.16

Last Calib.: 2014.02.16

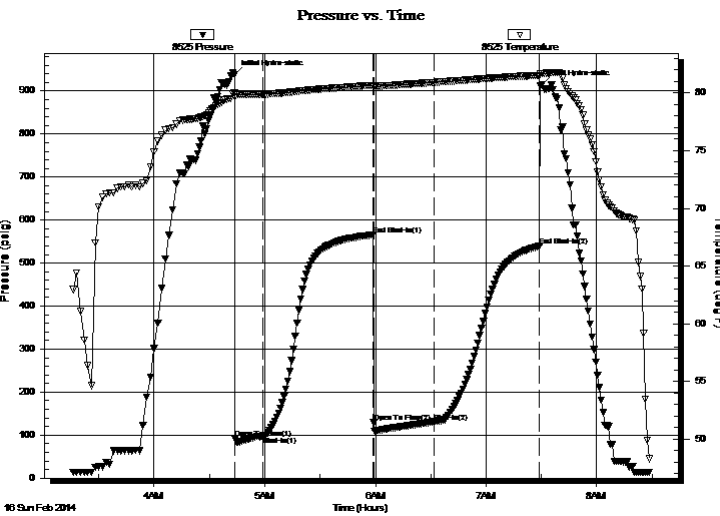
Start Time: 03:15:00

End Time: 08:29:00

Time On Btm: 2014.02.16 @ 04:43:30

Time Off Btm: 2014.02.16 @ 07:30:30

TEST COMMENT: 1st Opening 15 Minutes-Weak building blow built to 8 inches into the water
1st Shut-In 60 Minujtes-No blow back
2nd Opening 30 Minutes-Weak building blow built to 6 inches into the water
2nd Shut-In 60 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	937.98	80.00	Initial Hydro-static
1	93.25	79.67	Open To Flow (1)
16	97.12	79.89	Shut-In(1)
75	565.69	80.66	End Shut-In(1)
76	128.97	80.53	Open To Flow (2)
108	130.93	80.91	Shut-In(2)
166	539.37	81.53	End Shut-In(2)
167	915.00	81.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	drilling mud	1.82

Gas Rates

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



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TOOL DIAGRAM

F.G.Holl Company LLC

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DST#: 1

ATTN: Ryan Greenbaum

Test Start: 2014.02.16 @ 00:00:00

Tool Information

Drill Pipe:	Length: 1855.00 ft	Diameter: 3.80 inches	Volume: 26.02 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: 38000.00 lb
			Total Volume: 26.02 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	1868.00 ft			Final 30000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	92.02 ft			
Tool Length:	120.02 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			1845.00	
Hydraulic Tool	5.00			1850.00	
Jars	6.00			1856.00	
Safety Joint	2.00			1858.00	
Top Packer	5.00			1863.00	
Packer	5.00			1868.00	28.00 Bottom Of Top Packer
Anchor	3.00			1871.00	
Change Over Sub	0.75			1871.75	
Drill Pipe	63.52			1935.27	
Change Over Sub	0.75			1936.02	
Anchor	19.00			1955.02	
Recorder	1.00	8525	Inside	1956.02	
Recorder	1.00	6748	Outside	1957.02	
Bull Plug	3.00			1960.02	92.02 Anchor Tool

Total Tool Length: 120.02



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 48.00 lb/gal

Viscosity: 9.00 sec/qt

Water Loss: in³

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	drilling mud	1.824

Total Length: 130.00 ft Total Volume: 1.824 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

