



DRILL STEM TEST REPORT

Prepared For: **FG Holl Company LLC**

9431 E. Central STE 100
Wichita Kansas, 67208-2563

ATTN: Frank Greenbaum

Mermis "B" #1-31

31-20s-15w-Barton

Start Date: 2013.04.23 @ 22:55:00

End Date: 2013.04.24 @ 07:54:00

Job Ticket #: 17574 DST #: 5

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

Printed: 2013.04.23 @ 08:08:30



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FG Holl Company LLC
 9431 E. Central STE 100
 Wichita Kansas, 67208-2563
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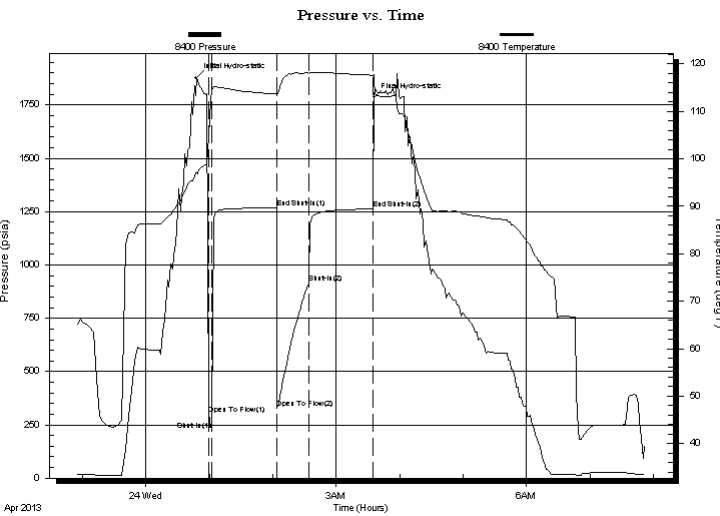
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 Job Ticket: 17574 **DST#: 5**
 Test Start: 2013.04.23 @ 22:55:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 01:01:00
 Tester: Shane Konzem
 Time Test Ended: 07:54:00
 Unit No: 3330/50/Great Bend
 Interval: **3813.00 ft (KB) To 3826.00 ft (KB) (TVD)**
 Reference Elevations: 2001.00 ft (KB)
 Total Depth: 3826.00 ft (KB) (TVD) 1993.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 8.00 ft

Serial #: 8400 Outside
 Press @ RunDepth: 1262.89 psia @ 3823.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.04.23 End Date: 2013.04.24 Last Calib.: 2013.04.23
 Start Time: 22:55:00 End Time: 07:52:53 Time On Btm: 2013.04.24 @ 00:47:53
 Time Off Btm: 2013.04.24 @ 03:35:53

TEST COMMENT: 1st Open/ 2 minutes. Strong blow built to bottom of a 5 gallon bucket in 30 seconds.
 1st Shut In/ 60 Minutes. Blow back built to 1/2 inches in 5 gallon bucket.
 2nd Open/ 30 Minutes. Strong blow built to bottom of 5 gallon bucket in 1 1/2 minutes. No gas to surface.
 2nd Shut In/ 60 Minutes. Blow back built to 1 inch in 5 gallon bucket.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1876.37	96.98	Initial Hydro-static
12	302.49	104.57	Open To Flow (1)
15	267.77	114.39	Shut-In(1)
76	1267.28	113.72	End Shut-In(1)
76	328.92	113.24	Open To Flow (2)
107	917.90	118.05	Shut-In(2)
167	1262.89	117.61	End Shut-In(2)
168	1785.44	116.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	3038 feet of gas.	0.00
62.00	oil cut mud	0.87
0.00	20% oil, 80% mud	0.00
240.00	oil, mud cut w ater	3.37
0.00	5% oil, 10% mud, 85% w ater	0.00
2208.00	100% w ater	30.97

Gas Rates

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



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TOOL DIAGRAM

FG Holl Company LLC

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Mermis "B" #1-31

Job Ticket: 17574

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Test Start: 2013.04.23 @ 22:55:00

Tool Information

Drill Pipe:	Length: 3805.00 ft	Diameter: 3.80 inches	Volume: 53.37 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: 62000.00 lb
			<u>Total Volume: 53.37 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3813.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	13.00 ft			
Tool Length:	41.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	3790.00	
Hydraulic Tool	5.00			3795.00	
Jars	6.00			3801.00	
Safety Joint	2.00			3803.00	
Packer	5.00			3808.00	28.00 Bottom Of Top Packer
Packer	5.00			3813.00	
Anchor	8.00			3821.00	
Recorder	1.00	8405	Inside	3822.00	
Recorder	1.00	8400	Outside	3823.00	
Bullnose	3.00			3826.00	13.00 Bottom Packers & Anchor
Total Tool Length:	41.00				



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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: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.00 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 6000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	3038 feet of gas.	0.000
62.00	oil cut mud	0.870
0.00	20% oil, 80% mud	0.000
240.00	oil, mud cut w ater	3.367
0.00	5% oil, 10% mud, 85% w ater	0.000
2208.00	100% w ater	30.972
0.00	Chloride revoc. 3000 ppm	0.000
0.00	resist recov .21 ohms at 40 degrees.	0.000

Total Length: 2510.00 ft Total Volume: 35.209 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

