



DRILL STEM TEST REPORT

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

9431 East Central Suite 100
Wichita, Kansas 67206-2563

ATTN: Ryan Greenbaum

Mermis"A"Unit #1-21

21-20s-15w Barton

Start Date: 2012.09.22 @ 00:00:00

End Date: 2012.09.22 @ 00:00:00

Job Ticket #: 17751 DST #: 1

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

Printed: 2012.09.22 @ 08:25:00



DRILL STEM TEST REPORT

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

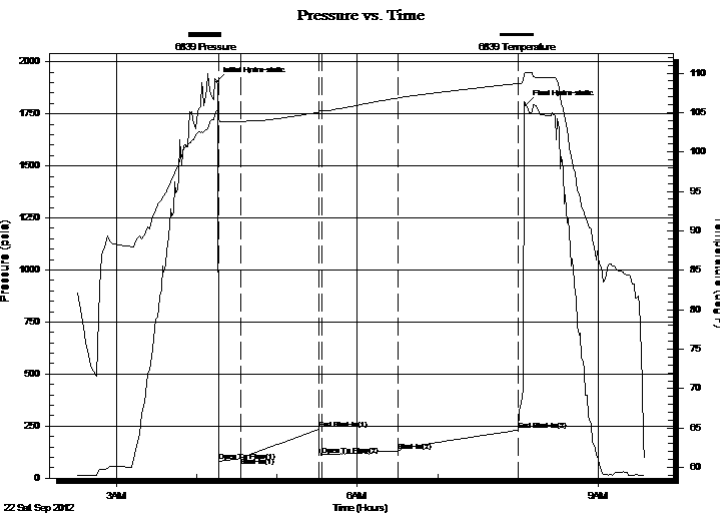
21-20s-15w Barton
Mermis"A"Unit #1-21
 Job Ticket: 17751 **DST#: 1**
 Test Start: 2012.09.22 @ 00:00:00

GENERAL INFORMATION:

Formation: **Conglomerate Chert**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:00:00
 Time Test Ended: 00:00:00
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gene Budig
 Unit No: 3335-29
 Interval: **3640.00 ft (KB) To 3730.00 ft (KB) (TVD)**
 Reference Elevations: 2012.00 ft (KB)
 Total Depth: 3730.00 ft (KB) (TVD) 2004.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 6839 Outside
 Press @ RunDepth: 230.86 psia @ 3669.50 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.09.22 End Date: 2012.09.22 Last Calib.: 2012.09.22
 Start Time: 02:30:00 End Time: 09:34:30 Time On Btm: 2012.09.22 @ 04:15:00
 Time Off Btm: 2012.09.22 @ 08:06:00

TEST COMMENT: 1st Opening 15 Minutes-Weak building blow built to 7 inches into the water
 1st Shut-In 60 Minutes-No blow back
 2nd Opening 60 Minutes-Weak building blow to a 8 inch stead blow
 2nd Shut-In 90 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1902.55	105.31	Initial Hydro-static
2	81.97	104.27	Open To Flow (1)
18	97.95	103.88	Shut-In(1)
76	234.67	105.05	End Shut-In(1)
78	111.84	105.24	Open To Flow (2)
136	126.86	106.86	Shut-In(2)
225	230.86	108.68	End Shut-In(2)
231	1792.35	110.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	Drilling Mud No show s	1.40

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

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

21-20s-15w Barton
Mermis"A"Unit #1-21
 Job Ticket: 17751 **DST#: 1**
 Test Start: 2012.09.22 @ 00:00:00

Tool Information

Drill Pipe:	Length: 3642.00 ft	Diameter: 3.80 inches	Volume: 51.09 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: 55000.00 lb
			Total Volume: 51.09 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3640.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	32.50 ft			
Tool Length:	60.50 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			3617.00	
Hydraulic Tool	5.00			3622.00	
Jars	6.00			3628.00	
Safety Joint	2.00			3630.00	
Packer	5.00			3635.00	28.00 Bottom Of Top Packer
Packer	5.00			3640.00	
Perforations	5.00			3645.00	
Change Over Sub	0.75			3645.75	
Drill Pipe	0.00			3645.75	
Change Over Sub	0.75			3646.50	
Perforations	21.00			3667.50	
Recorder	1.00	6838	Inside	3668.50	
Recorder	1.00	6839	Outside	3669.50	
Bull Plug	3.00			3672.50	32.50 Bottom Packers & Anchor

Total Tool Length: 60.50



DRILL STEM TEST REPORT

FLUID SUMMARY

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

21-20s-15w Barton
Mermis"A"Unit #1-21
Job Ticket: 17751 **DST#: 1**
Test Start: 2012.09.22 @ 00:00:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 5700.00 ppm			
Filter Cake: 1.00 inches			

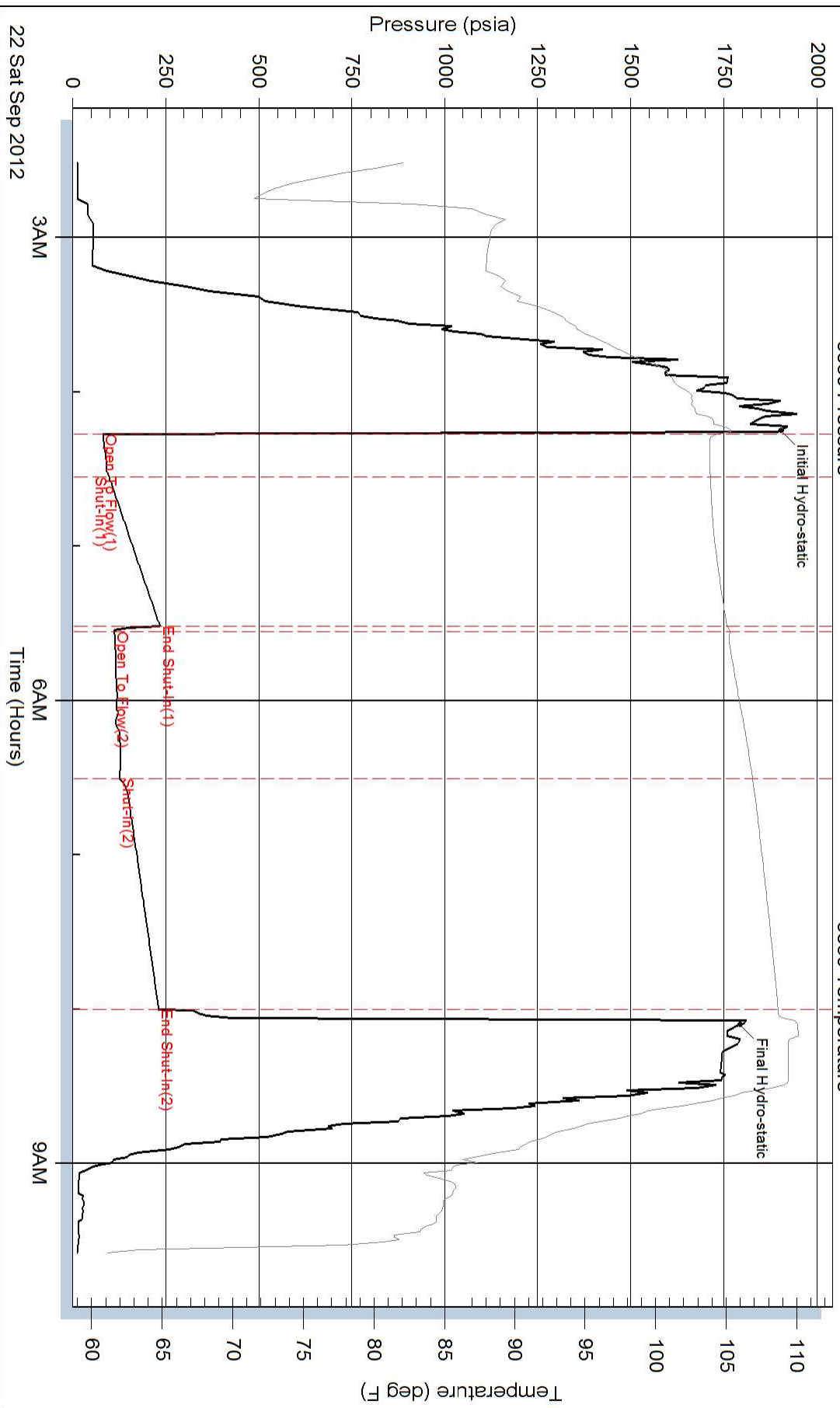
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	Drilling Mud No show s	1.403

Total Length: 100.00 ft Total Volume: 1.403 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time



Pressure vs. Time

