



DRILL STEM TEST REPORT

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

9431 east Central Suite 100
Wichita, Kansas 67206

ATTN: Rene Husted

Button "A" Unit #1-24

29-19s-15w Barton

Start Date: 2012.09.10 @ 00:00:00

End Date: 2012.09.10 @ 00:00:00

Job Ticket #: 17800 DST #: 11

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

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Test Start: 2012.09.10 @ 00:00:00

GENERAL INFORMATION:

Formation: **Quartzite**

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

Interval: 3578.00 ft (KB) To 3602.00 ft (KB) (TVD)

Reference Elevations: 1915.00 ft (KB)

Total Depth: 3602.00 ft (KB) (TVD)

1907.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6839 Outside

Press @ RunDepth: 1032.94 psia @ 3599.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.09.10 End Date: 2012.09.10

Last Calib.: 2012.09.10

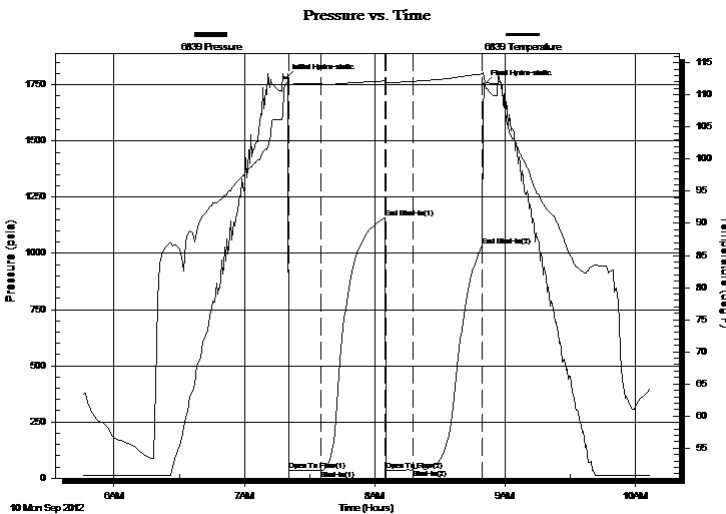
Start Time: 05:45:00 End Time: 10:07:00

Time On Btm: 2012.09.10 @ 07:19:00

Time Off Btm: 2012.09.10 @ 08:50:30

TEST COMMENT: 1st Opening 15 Minutes-Weak blow for 6 minutes and died
1st Shut-In 30 Minutes-No blow back
2nd Opening 15 Minutes-No blow
2nd nShut-In 30 Mintes-No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1778.86	111.76	Initial Hydro-static
2	33.35	111.70	Open To Flow (1)
16	35.25	111.70	Shut-In(1)
46	1156.24	112.18	End Shut-In(1)
46	35.46	111.99	Open To Flow (2)
59	39.53	112.11	Shut-In(2)
91	1032.94	113.28	End Shut-In(2)
92	1752.78	112.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Drilling mud	0.03

Gas Rates

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



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1907.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6838 Inside

Press @ RunDepth: 1032.94 psia @ 3598.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.09.10 End Date: 2012.09.10

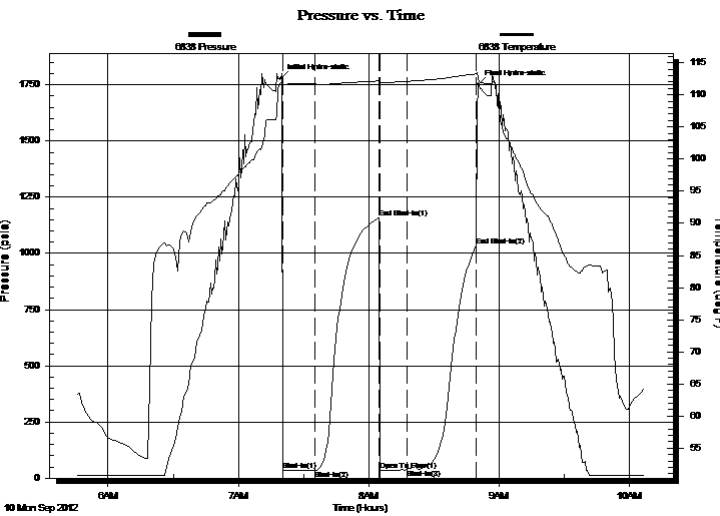
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PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1777.32	111.94	Initial Hydro-static
1	33.35	111.70	Shut-In(1)
16	35.25	111.70	Shut-In(2)
45	1156.24	112.18	End Shut-In(1)
46	35.46	111.99	Open To Flow (1)
58	39.53	112.11	Shut-In(3)
90	1032.94	113.28	End Shut-In(2)
91	1752.78	112.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Drilling mud	0.03

Gas Rates

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



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TOOL DIAGRAM

F.G.Holl Company L.L.C.

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Job Ticket: 17800

DST#: 11

ATTN: Rene Husted

Test Start: 2012.09.10 @ 00:00:00

Tool Information

Drill Pipe:	Length: 3576.00 ft	Diameter: 3.80 inches	Volume: 50.16 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: 48000.00 lb
			<u>Total Volume: 50.16 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3578.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	44.00 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			3563.00	
Hydraulic Tool	5.00			3568.00	
Packer	5.00			3573.00	20.00 Bottom Of Top Packer
Packer	5.00			3578.00	
Perforations	19.00			3597.00	
Recorder	1.00	6838	Inside	3598.00	
Recorder	1.00	6839	Outside	3599.00	
Bull Plug	3.00			3602.00	24.00 Bottom Packers & Anchor

Total Tool Length: 44.00



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FLUID SUMMARY

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Test Start: 2012.09.10 @ 00:00:00

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: 10.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psia

Salinity: 7400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Drilling mud	0.028

Total Length: 2.00 ft Total Volume: 0.028 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

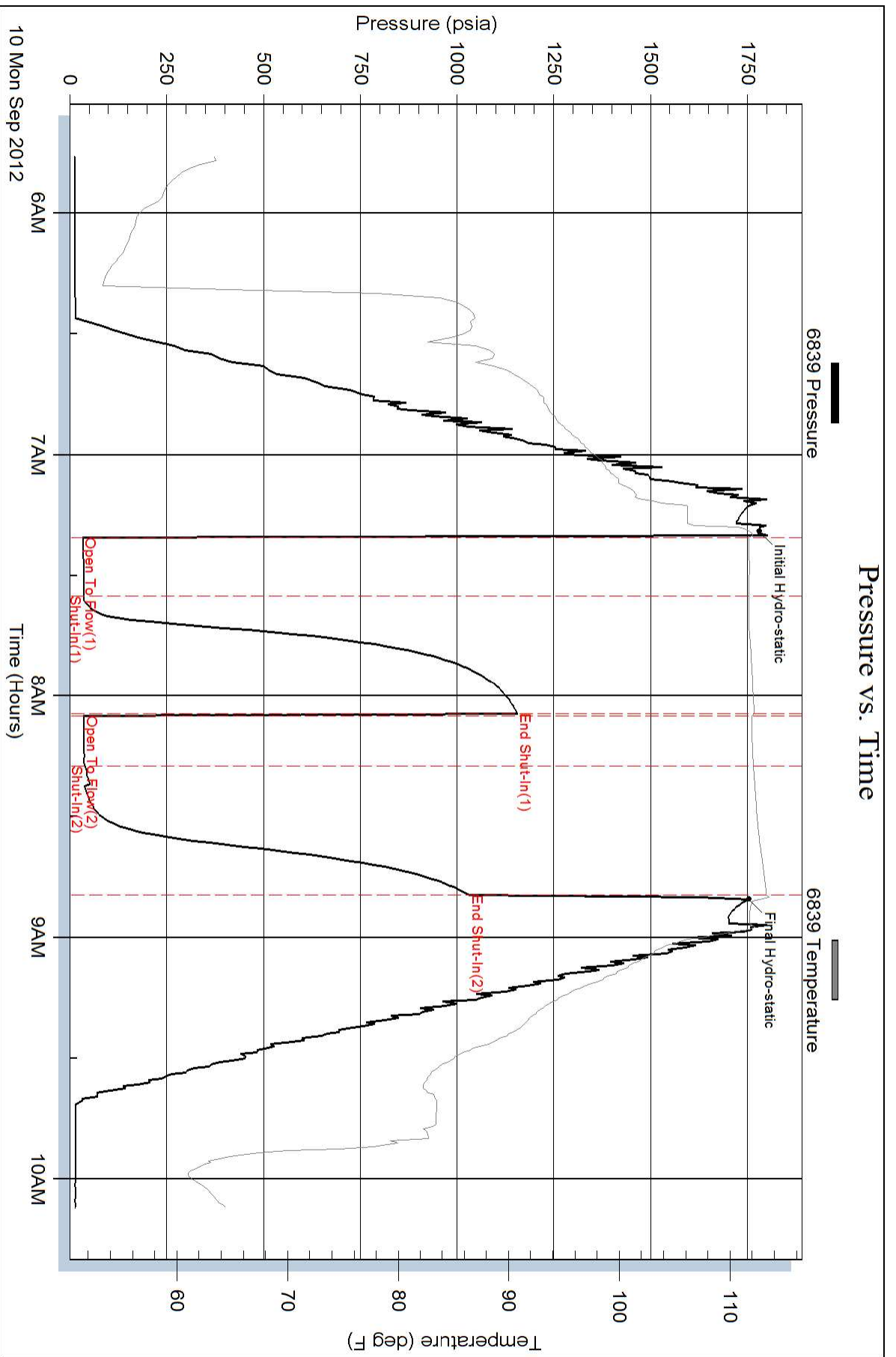
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



Pressure vs. Time

