



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: 2012.09.01 @ 00:00:00

End Date: 2012.09.01 @ 00:00:00

Job Ticket #: 17790 DST #: 1

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

Printed: 2012.09.01 @ 11:54:14



DRILL STEM TEST REPORT

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

29-19s-15w Barton

9431 east Central Suite 100
Wichita, Kansas 67206

Button "A" Unit #1-24

Job Ticket: 17790

DST#: 1

ATTN: Rene Husted

Test Start: 2012.09.01 @ 00:00:00

GENERAL INFORMATION:

Formation: **Herrington-Krider &**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Straddle (Initial)

Tester: Gene Budig

Unit No: 3335

Interval: 1730.00 ft (KB) To 1850.00 ft (KB) (TVD)

Reference Elevations: 1915.00 ft (KB)

Total Depth: 1850.00 ft (KB) (TVD)

1907.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6838

Inside

Press @ RunDepth: 454.06 psia @ 1846.38 ft (KB)

Capacity: psia

Start Date: 2012.09.01

End Date:

2012.09.01

Last Calib.:

1899.12.30

Start Time: 06:30:00

End Time:

11:05:00

Time On Btm:

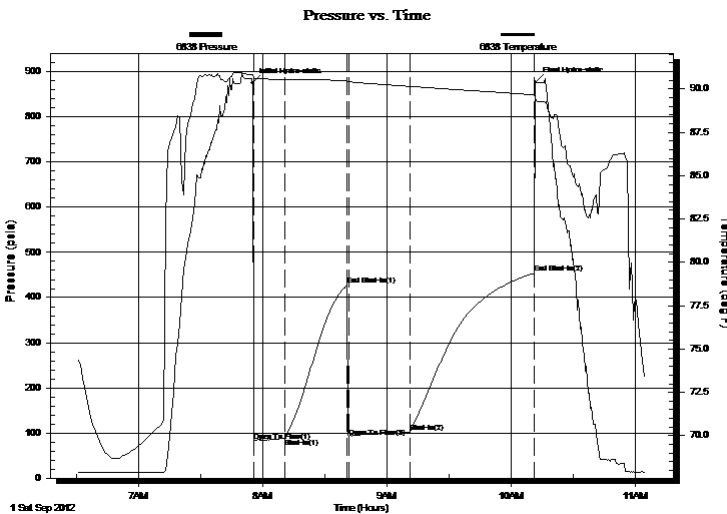
2012.09.01 @ 07:55:00

Time Off Btm:

2012.09.01 @ 10:12:00

TEST COMMENT: 1st Openng 15 Minutes weak building blow built to 10 inches into the water
1st Shut-In 30 Minutes-No bow back
2nd Opening 30 Minutes-Weak buildig blow built to 8 inches into the water
2nd Shut-In 60 Minutes-No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	874.89	90.83	Initial Hydro-static
1	82.40	90.66	Open To Flow (1)
16	87.52	90.55	Shut-In(1)
46	427.22	90.48	End Shut-In(1)
47	90.94	90.43	Open To Flow (2)
76	101.52	90.15	Shut-In(2)
136	454.06	89.66	End Shut-In(2)
137	877.79	89.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	Drilling mud	0.70

Gas Rates

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



DRILL STEM TEST REPORT

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

29-19s-15w Barton

9431 east Central Suite 100
Wichita, Kansas 67206

Button "A" Unit #1-24

Job Ticket: 17790

DST#: 1

ATTN: Rene Hustedad

Test Start: 2012.09.01 @ 00:00:00

GENERAL INFORMATION:

Formation: **Herrington-Krider &**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Straddle (Initial)

Tester: Gene Budig

Unit No: 3335

Interval: 1730.00 ft (KB) To 1850.00 ft (KB) (TVD)

Reference Elevations: 1915.00 ft (KB)

Total Depth: 1850.00 ft (KB) (TVD)

1907.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6839

Press @ RunDepth: 453.31 psia @ ft (KB)

Capacity: psia

Start Date: 2012.09.01

End Date: 2012.09.01

Last Calib.: 1899.12.30

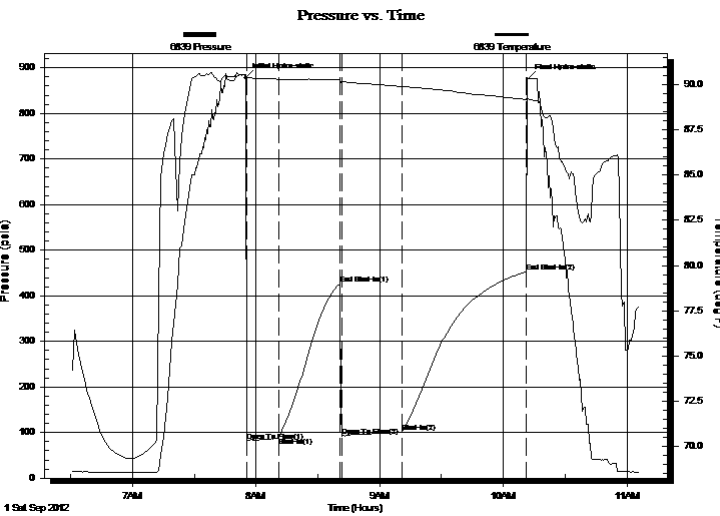
Start Time: 06:30:00

End Time: 11:06:00

Time On Btm: 2012.09.01 @ 07:55:00

Time Off Btm: 2012.09.01 @ 10:12:00

TEST COMMENT: 1st Openng 15 Minutes weak building blow built to 10 inches into the water
 1st Shut-In 30 Minutes-No bow back
 2nd Opening 30 Minutes-Weak buildig blow built to 8 inches into the water
 2nd Shut-In 60 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	877.62	90.54	Initial Hydro-static
1	81.96	90.30	Open To Flow (1)
16	88.83	90.31	Shut-In(1)
46	426.15	90.26	End Shut-In(1)
47	91.05	90.17	Open To Flow (2)
76	101.39	89.89	Shut-In(2)
136	453.31	89.17	End Shut-In(2)
137	875.68	89.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	Drilling mud	0.70

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

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

29-19s-15w Barton

9431 east Central Suite 100
Wichita, Kansas 67206

Button "A" Unit #1-24

Job Ticket: 17790

DST#: 1

ATTN: Rene Husted

Test Start: 2012.09.01 @ 00:00:00

Tool Information

Drill Pipe:	Length: 1721.00 ft	Diameter: 3.80 inches	Volume: 24.14 bbl	Tool Weight:	lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	lb
			<u>Total Volume: 24.14 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial	lb
Depth to Top Packer:	1730.00 ft			Final	lb
Depth to Bottom Packer:	1850.38 ft				
Interval between Packers:	120.38 ft				
Tool Length:	148.38 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			1707.00	
Hydraulic Tool	5.00			1712.00	
Jars	6.00			1718.00	
Safety Joint	2.00			1720.00	
Packer	5.00			1725.00	28.00 Bottom Of Top Packer
Packer	5.00			1730.00	
Perforations	3.00			1733.00	
Change Over Sub	0.75			1733.75	
Drill Pipe	95.88			1829.63	
Change Over Sub	0.75			1830.38	
Perforations	15.00			1845.38	
Recorder	1.00	6838	Inside	1846.38	
Recorder	1.00	6839	Outside	1847.38	
Bull Plug	3.00			1850.38	120.38 Bottom Packers & Anchor

Total Tool Length: 148.38



DRILL STEM TEST REPORT

FLUID SUMMARY

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

29-19s-15w Barton

9431 east Central Suite 100
Wichita, Kansas 67206

Button "A" Unit #1-24

Job Ticket: 17790

DST#: 1

ATTN: Rene Husted

Test Start: 2012.09.01 @ 00:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 42.00 sec/qt
Water Loss: 11.99 in³
Resistivity: ohm.m
Salinity: 39000.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psia

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	Drilling mud	0.701

Total Length: 50.00 ft Total Volume: 0.701 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

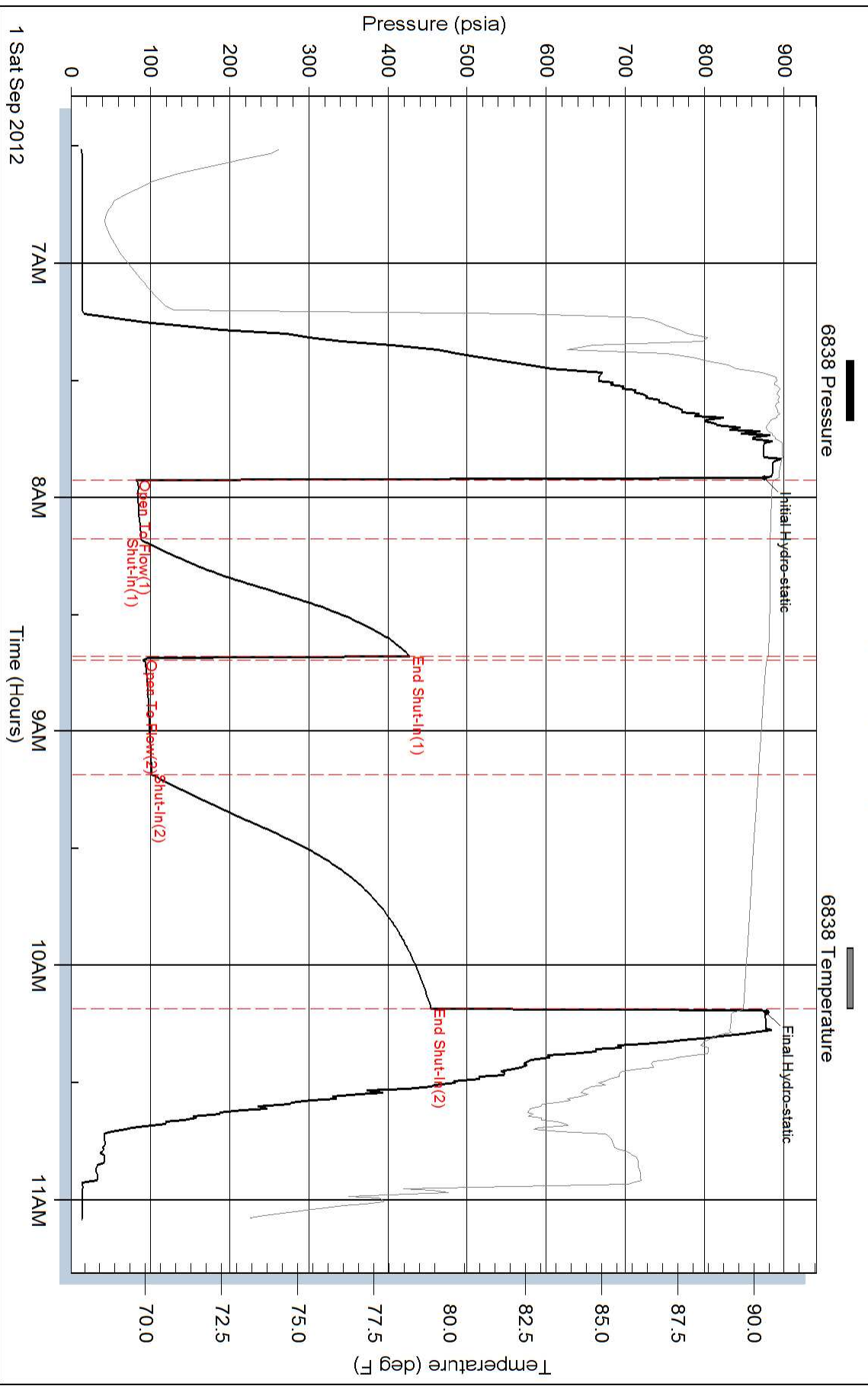
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



Pressure vs. Time

