



DRILL STEM TEST REPORT

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

9431 East Central Suite 100
Wichita, Kansas 67206-2563

ATTN: Ryan Greenbaum

Mull "A" Unit #1-3

3-30s-15w Barton

Start Date: 2012.07.31 @ 00:00:00

End Date: 2012.07.31 @ 00:00:00

Job Ticket #: 17783 DST #: 1

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

Printed: 2012.07.31 @ 22:26:55



DRILL STEM TEST REPORT

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

3-30s-15w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Mull "A" Unit #1-3

Job Ticket: 17783

DST#: 1

ATTN: Ryan Greenbaum

Test Start: 2012.07.31 @ 00:00:00

GENERAL INFORMATION:

Formation: **Herrington & Winfiel**

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: 1820.00 ft (KB) To 1923.00 ft (KB) (TVD)

Reference Elevations: 1964.00 ft (KB)

Total Depth: 1923.00 ft (KB) (TVD)

1956.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 91716 Outside

Press @ Run Depth: 429.73 psia @ 1920.20 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.07.31

End Date: 2012.07.31

Last Calib.: 2012.07.31

Start Time: 06:00:00

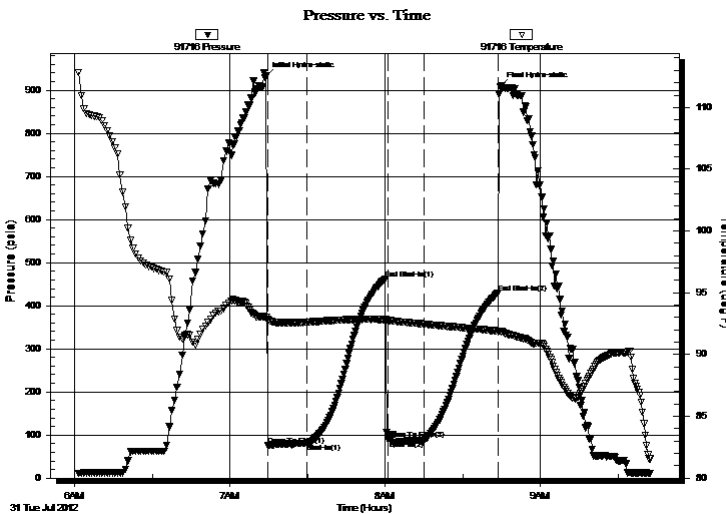
End Time: 09:42:29

Time On Btm: 2012.07.31 @ 07:14:00

Time Off Btm: 2012.07.31 @ 08:44:30

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

PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	932.48	92.99	Initial Hydro-static
1	75.64	92.89	Open To Flow (1)
16	80.73	92.63	Shut-In(1)
46	462.57	92.82	End Shut-In(1)
47	89.49	92.79	Open To Flow (2)
61	87.66	92.46	Shut-In(2)
90	429.73	91.90	End Shut-In(2)
91	908.86	91.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	Drilling mud	0.56

Gas Rates

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



DRILL STEM TEST REPORT

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

3-30s-15w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Mull "A" Unit #1-3

Job Ticket: 17783

DST#: 1

ATTN: Ryan Greenbaum

Test Start: 2012.07.31 @ 00:00:00

GENERAL INFORMATION:

Formation: **Herrington & Winfiel**

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: 1820.00 ft (KB) To 1923.00 ft (KB) (TVD)

Reference Elevations: 1964.00 ft (KB)

Total Depth: 1923.00 ft (KB) (TVD)

1956.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8524 Inside

Press @ Run Depth: 464.11 psia @ 1919.20 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.07.31

End Date: 2012.07.31

Last Calib.: 2012.07.31

Start Time: 06:00:00

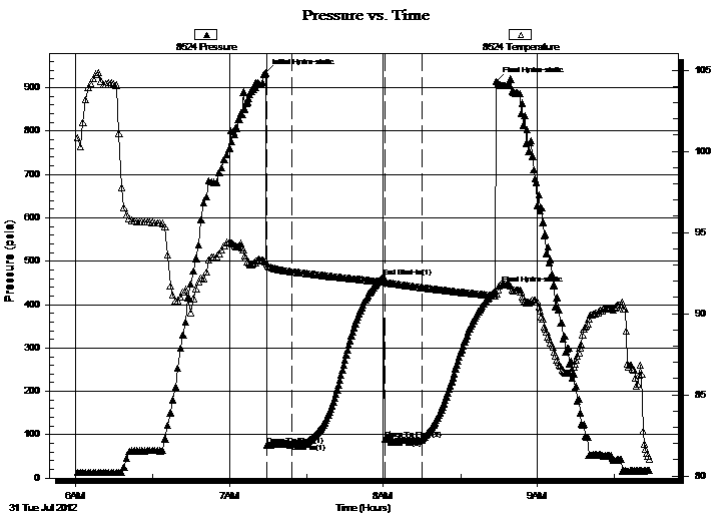
End Time: 09:43:30

Time On Btm: 2012.07.31 @ 07:14:00

Time Off Btm: 2012.07.31 @ 08:43:30

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

PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	933.45	93.22	Initial Hydro-static
1	75.66	93.06	Open To Flow (1)
11	80.81	92.58	Shut-In(1)
46	464.11	91.95	End Shut-In(1)
47	89.47	91.94	Open To Flow (2)
61	88.37	91.61	Shut-In(2)
90	430.73	91.10	Final Hydro-static
90	913.55	91.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	Drilling mud	0.56

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

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

3-30s-15w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Mull "A" Unit #1-3

Job Ticket: 17783

DST#: 1

ATTN: Ryan Greenbaum

Test Start: 2012.07.31 @ 00:00:00

Tool Information

Drill Pipe:	Length: 1812.00 ft	Diameter: 3.80 inches	Volume: 25.42 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.86 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 24000.00 lb
			<u>Total Volume: 25.42 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 20000.00 lb
Depth to Top Packer:	1820.00 ft			Final 20000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	103.20 ft			
Tool Length:	131.20 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			1797.00	
Hydraulic Tool	5.00			1802.00	
Jars	6.00			1808.00	
Safety Joint	2.00			1810.00	
Packer	5.00			1815.00	28.00 Bottom Of Top Packer
Packer	5.00			1820.00	
Perforations	3.00			1823.00	
Change Over Sub	0.75			1823.75	
Drill Pipe	63.70			1887.45	
Change Over Sub	0.75			1888.20	
Perforations	30.00			1918.20	
Recorder	1.00	8524	Inside	1919.20	
Recorder	1.00	91716	Outside	1920.20	
Bull Plug	3.00			1923.20	103.20 Bottom Packers & Anchor

Total Tool Length: 131.20



DRILL STEM TEST REPORT

FLUID SUMMARY

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

3-30s-15w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Mull "A" Unit #1-3

Job Ticket: 17783

DST#: 1

ATTN: Ryan Greenbaum

Test Start: 2012.07.31 @ 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: 42.00 sec/qt

Cushion Volume: bbl

Water Loss: 12.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psia

Salinity: 18000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	Drilling mud	0.561

Total Length: 40.00 ft Total Volume: 0.561 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

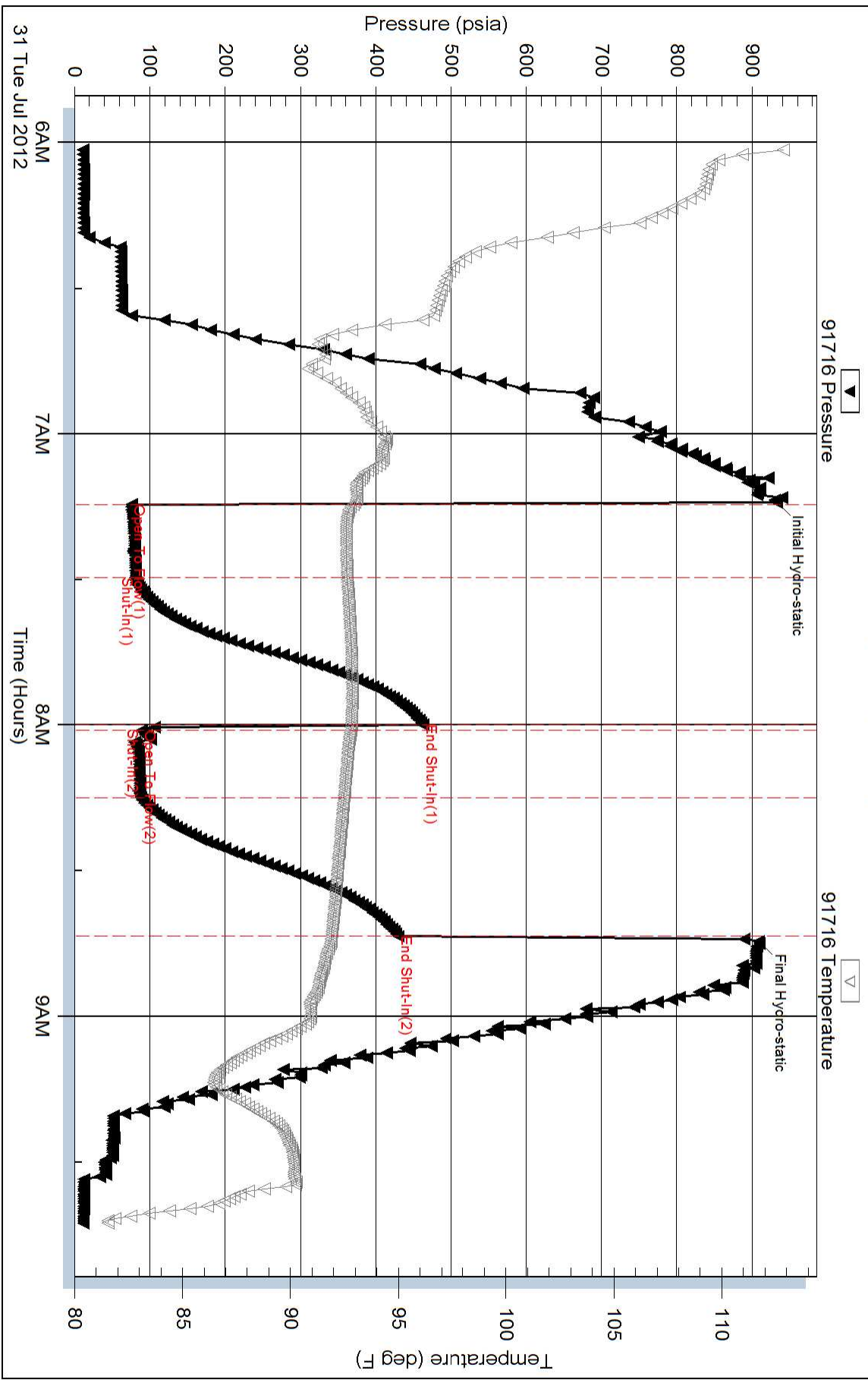
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



Serial #: 8524

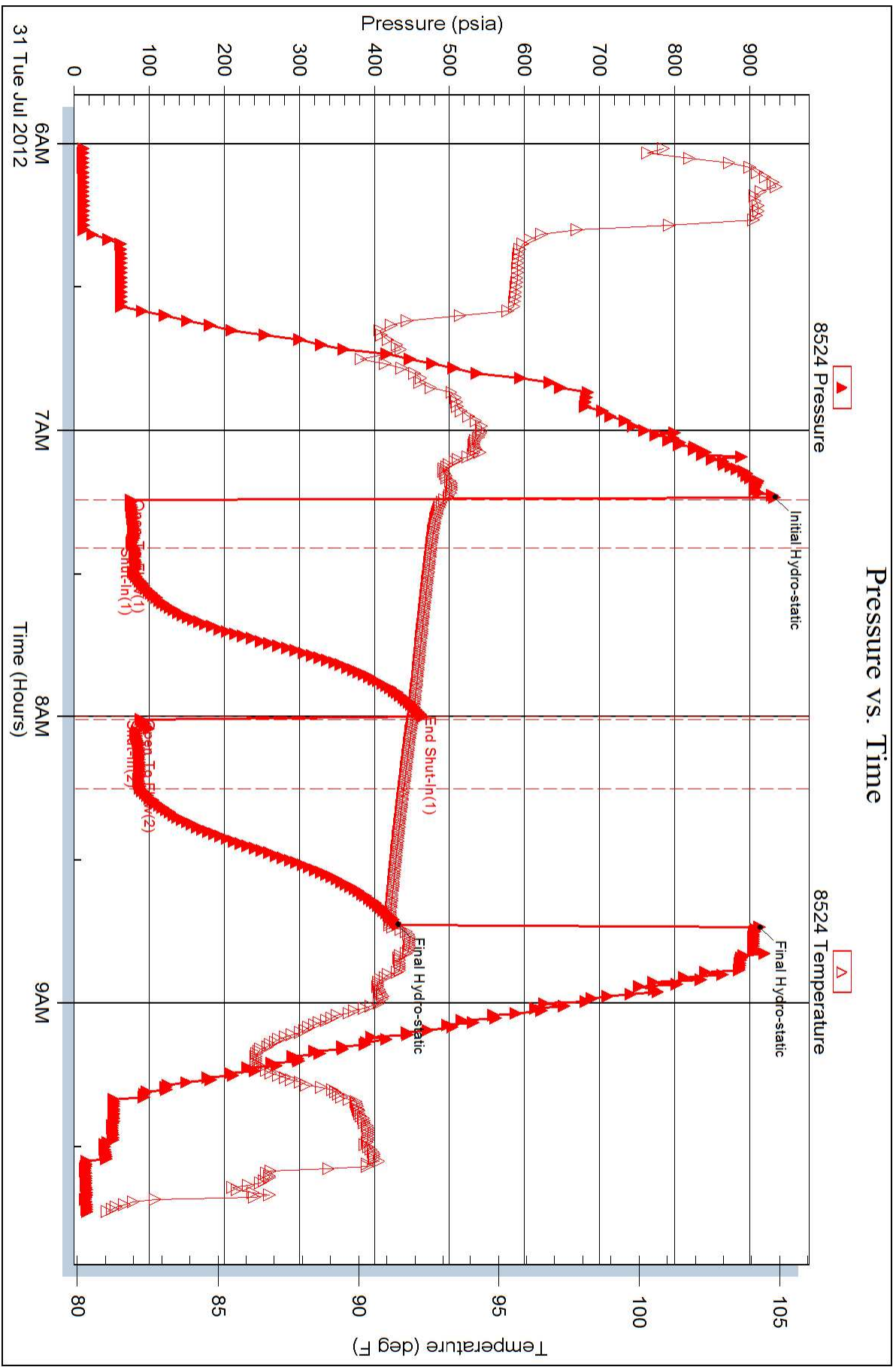
Inside

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

Mall "A" Unit #1-3

DST Test Number: 1

Pressure vs. Time



Superior Testers Enterprises LLC

Ref. No: 17783

Printed: 2012.07.31 @ 22:26:57