



DRILL STEM TEST REPORT

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

9431 East Central Suite100
Wichita, Kansas 67206-2563

ATTN: Ryan Greenbaum

McDonald #1-19

19-20s-13w Barton

Start Date: 2013.07.25 @ 00:00:00

End Date: 2013.07.25 @ 00:00:00

Job Ticket #: 17103 DST #: 7

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

Printed: 2013.07.25 @ 09:49:30

F.G. Holl Company L.L.C. 19-20s-13w Barton McDonald #1-19 DST # 7 Arbuckle 2013.07.25



DRILL STEM TEST REPORT

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19-20s-13w Barton

9431 East Central Suite100
Wichita, Kansas 67206-2563

McDonald #1-19

Job Ticket: 17103

DST#: 7

ATTN: Ryan Greenbaum

Test Start: 2013.07.25 @ 00:00:00

GENERAL INFORMATION:

Formation: **Arbuckle**

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: 3520.00 ft (KB) To 3535.00 ft (KB) (TVD)

Reference Elevations: 1888.00 ft (KB)

Total Depth: 3535.00 ft (KB) (TVD)

1880.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6663 Inside

Press@RunDepth: psia @ 3531.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.07.25

End Date: 2013.07.25

Last Calib.: 2013.07.25

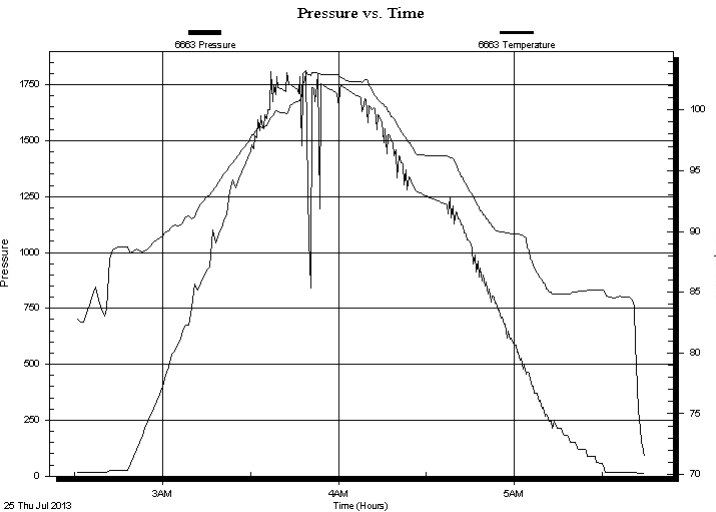
Start Time: 02:30:00

End Time: 10:44:00

Time On Btm:

Time Off Btm:

TEST COMMENT: Miss run packer failure



PRESSURE SUMMARY

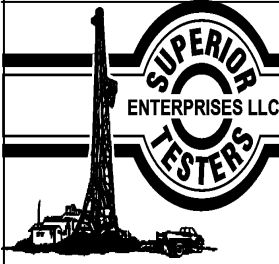
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
430.00	Drilling mud	6.03
0.00	Miss Run Packer failure	0.00

Gas Rates

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



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McDonald #1-19

Job Ticket: 17103

DST#: 7

ATTN: Ryan Greenbaum

Test Start: 2013.07.25 @ 00:00:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Interval: 3520.00 ft (KB) To 3535.00 ft (KB) (TVD)

Total Depth: 3535.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 3335

Reference Elevations: 1888.00 ft (KB)

1880.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6748 Outside

Press@RunDepth: psia @ 3532.00 ft (KB)

Start Date: 2013.07.25

End Date: 2013.07.25

Capacity: 5000.00 psia

Last Calib.: 2013.07.25

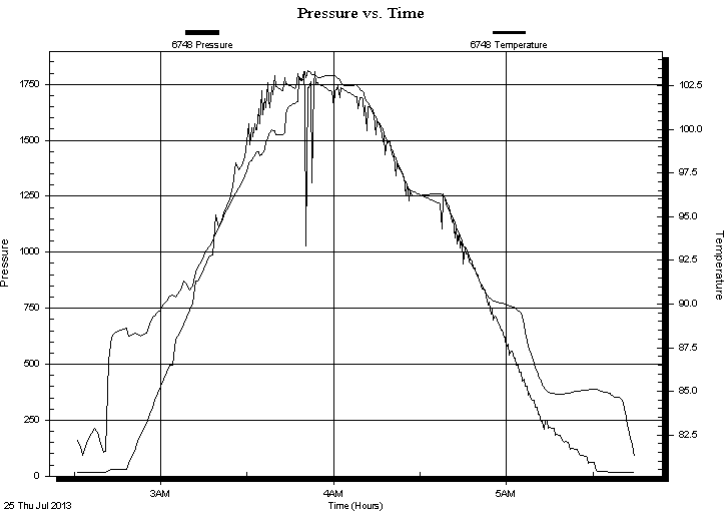
Start Time: 02:30:00

End Time: 10:41:30

Time On Btm:

Time Off Btm:

TEST COMMENT: Miss run packer failure



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
430.00	Drilling mud	6.03
0.00	Miss Run Packer failure	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

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

19-20s-13w Barton

9431 East Central Suite100
Wichita, Kansas 67206-2563

McDonald #1-19

Job Ticket: 17103

DST#:7

ATTN: Ryan Greenbaum

Test Start: 2013.07.25 @ 00:00:00

Tool Information

Drill Pipe:	Length: 3503.00 ft	Diameter: 3.80 inches	Volume: 49.14 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: 50000.00 lb
			<u>Total Volume: 49.14 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3520.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	43.00 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			3497.00	
Hydraulic Tool	5.00			3502.00	
Safety Joint	2.00			3504.00	
Jars	6.00			3510.00	
Packer	5.00			3515.00	28.00 Bottom Of Top Packer
Packer	5.00			3520.00	
Anchor	10.00			3530.00	
Recorder	1.00	6663	Inside	3531.00	
Recorder	1.00	6748	Outside	3532.00	
Bullnose	3.00			3535.00	15.00 Bottom Packers & Anchor
Total Tool Length:	43.00				



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FLUID SUMMARY

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Job Ticket: 17103

DST#:7

ATTN: Ryan Greenbaum

Test Start: 2013.07.25 @ 00:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 68.00 sec/qt

Water Loss: 9.20 in³

Resistivity: ohm.m

Salinity: 8200.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psia

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
430.00	Drilling mud	6.032
0.00	Miss Run Packer failure	0.000

Total Length: 430.00 ft Total Volume: 6.032 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

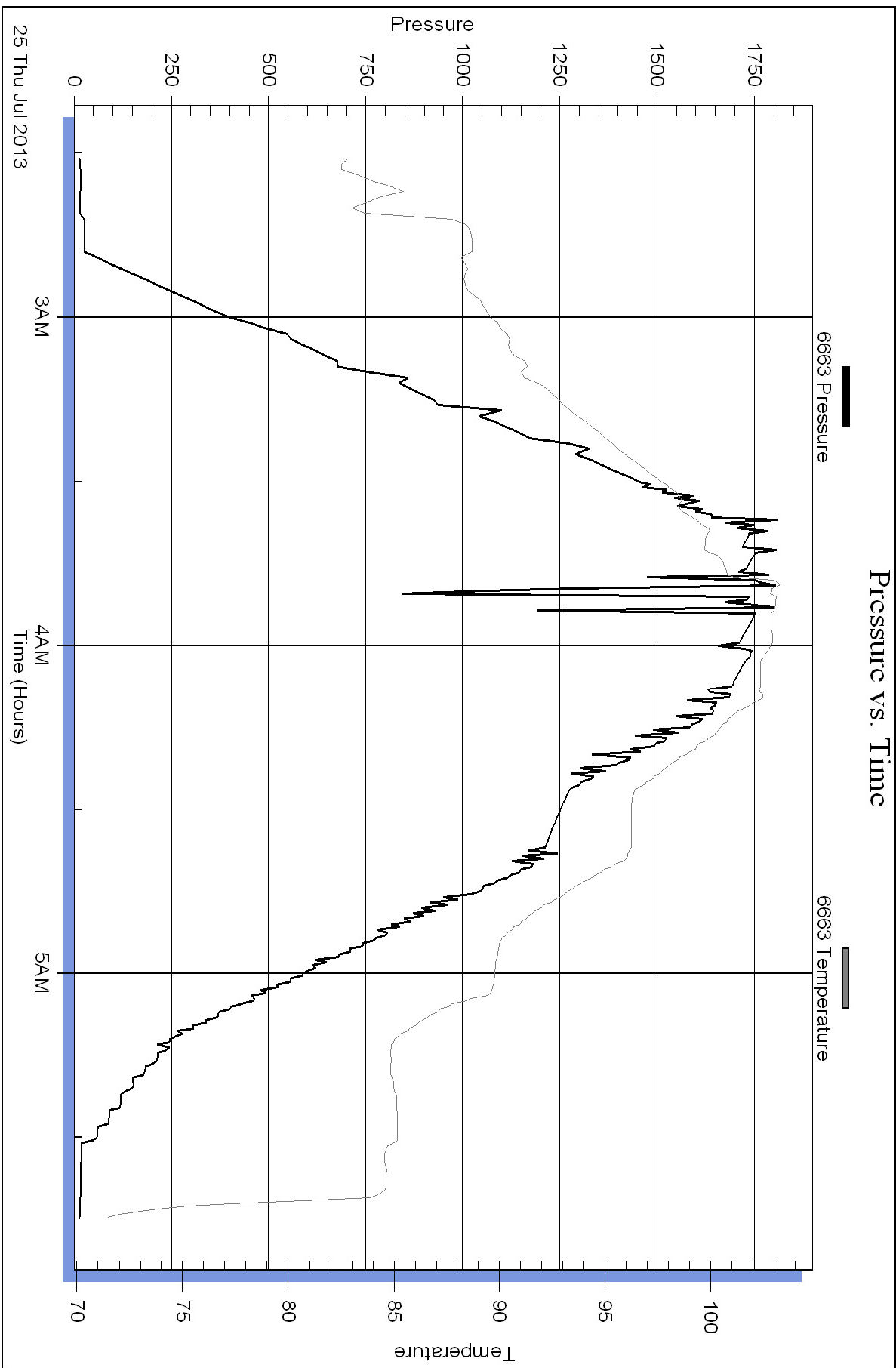
Serial #: 6663

Inside

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

McDonald #1-19

DST Test Number: 7



Superior Testers Enterprises LLC

Ref. No: 17103

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

McDonald #1-19

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