



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: 2012.09.04 @ 00:00:00

End Date: 2012.09.04 @ 00:00:00

Job Ticket #: 17792 DST #: 3

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

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Test Start: 2012.09.04 @ 00:00:00

GENERAL INFORMATION:

Formation: **Kansas City "A"**

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: 3335-22

Interval: 3224.00 ft (KB) To 3264.00 ft (KB) (TVD)

Reference Elevations: 1915.00 ft (KB)

Total Depth: 3262.00 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 @ Run Depth: 137.42 psia @ 3268.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.09.04

End Date: 2012.09.04

Last Calib.: 2012.09.04

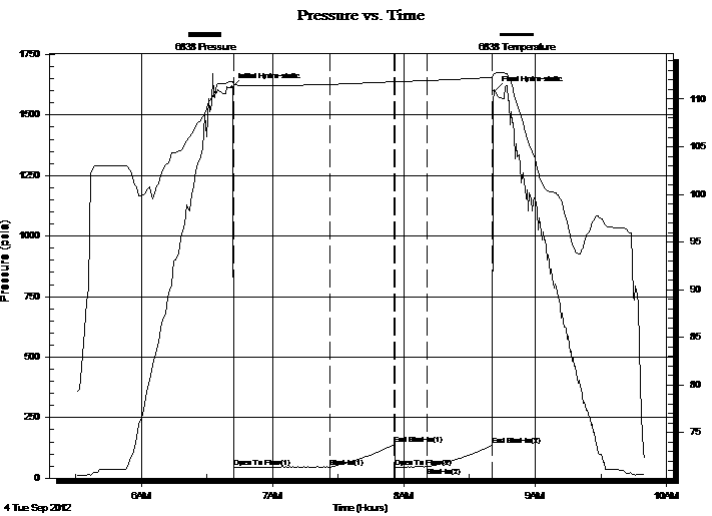
Start Time: 05:30:00

End Time: 09:50:00

Time On Btm: 2012.09.04 @ 06:41:30

Time Off Btm: 2012.09.04 @ 08:41:30

TEST COMMENT: 1st Opening 45 Minutes -Weak blow for 7 minutes and died
1st Shut-In 30 Mintes -No blow back
2nd Opening 15 Minutes-No blow
2nd Shut-In 30 Minutes-No blow bck



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1613.91	111.85	Initial Hydro-static
1	43.45	111.59	Open To Flow (1)
45	45.47	111.55	Shut-In(1)
74	139.56	111.83	End Shut-In(1)
75	43.71	111.82	Open To Flow (2)
89	46.83	111.95	Shut-In(2)
119	137.42	112.26	End Shut-In(2)
120	1599.58	112.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	oil cut mud 20%Oil 80%Mud	0.56
0.00	there w as a good show of free	0.00
0.00	the tools	0.00

Gas Rates

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



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Total Depth: 3262.00 ft (KB) (TVD)

1907.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6839 Outside

Press @ Run Depth: 137.42 psia @ 3269.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.09.04

End Date: 2012.09.04

Last Calib.: 2012.09.04

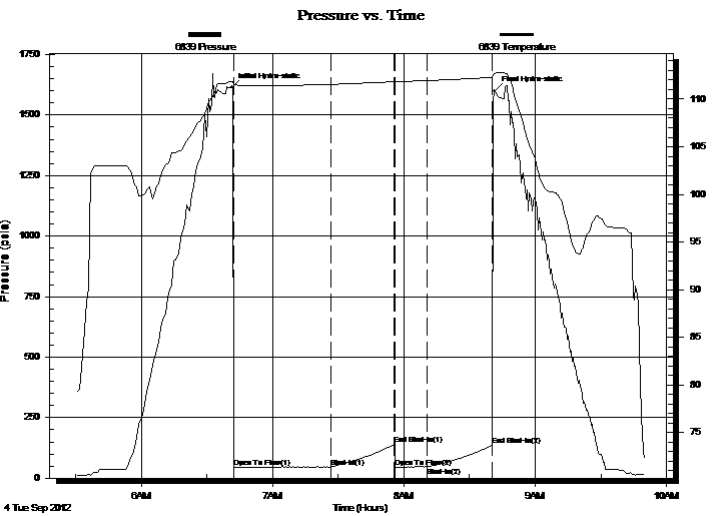
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PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1613.91	111.85	Initial Hydro-static
1	43.45	111.59	Open To Flow (1)
46	46.40	111.55	Shut-In(1)
74	139.56	111.83	End Shut-In(1)
75	43.71	111.82	Open To Flow (2)
89	46.83	111.95	Shut-In(2)
119	137.42	112.26	End Shut-In(2)
120	1599.58	112.67	Final Hydro-static

Recovery

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TOOL DIAGRAM

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

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Wichita, Kansas 67206

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Job Ticket: 17792

DST#: 3

ATTN: Rene Husted

Test Start: 2012.09.04 @ 00:00:00

Tool Information

Drill Pipe:	Length: 3231.00 ft	Diameter: 3.80 inches	Volume: 45.32 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: 58000.00 lb
			<u>Total Volume: 45.32 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3234.00 ft			Final 32000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	66.00 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			3211.00	
Hydraulic Tool	5.00			3216.00	
Jars	6.00			3222.00	
Safety Joint	2.00			3224.00	
Packer	5.00			3229.00	28.00 Bottom Of Top Packer
Packer	5.00			3234.00	
Perforations	33.00			3267.00	
Recorder	1.00	6838	Inside	3268.00	
Recorder	1.00	6839	Outside	3269.00	
Bull Plug	3.00			3272.00	38.00 Bottom Packers & Anchor
Total Tool Length:	66.00				



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FLUID SUMMARY

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Test Start: 2012.09.04 @ 00:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 47.00 sec/qt
Water Loss: 10.00 in³
Resistivity: ohm.m
Salinity: 7000.00 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
40.00	oil cut mud 20%Oil 80%Mud	0.561
0.00	there w as a good show of free	0.000
0.00	the tools	0.000

Total Length: 40.00 ft Total Volume: 0.561 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

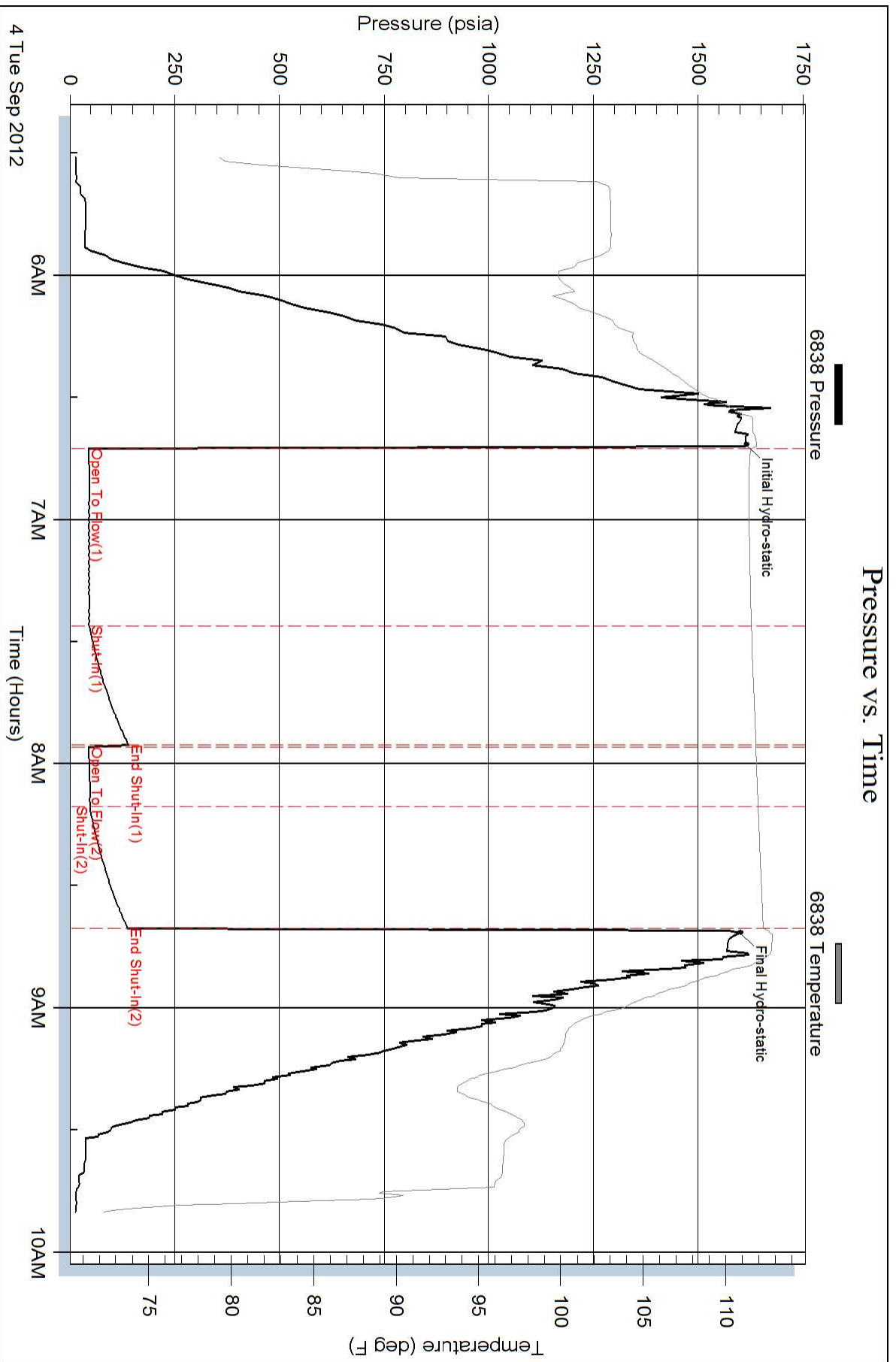
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



Pressure vs. Time

