



## DRILL STEM TEST REPORT

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

9431 East Central Suite 100  
Wichita, Kansas 67206-2563

ATTN: Rene Husted

### **Panning #2-13**

#### **13-20s-14w Barton**

Start Date: 2012.06.16 @ 00:00:00

End Date: 2012.06.16 @ 00:00:00

Job Ticket #: 15873                      DST #: 1

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

Printed: 2012.06.16 @ 22:29:36



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Test Start: 2012.06.16 @ 00:00:00

## GENERAL INFORMATION:

Formation: **Kansas City "A-B & C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

**Interval: 3250.00 ft (KB) To 3306.00 ft (KB) (TVD)**

Total Depth: 3306.00 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: 1895.00 ft (KB)

1887.00 ft (CF)

KB to GR/CF: 8.00 ft

**Serial #: 93335 Inside**

Press @ Run Depth: 145.58 psia @ 3301.69 ft (KB)

Start Date: 2012.06.16

End Date: 2012.06.17

Start Time: 22:17:07

End Time: 02:24:37

Capacity: 5000.00 psia

Last Calib.: 2012.06.16

Time On Btm: 2012.06.16 @ 23:39:07

Time Off Btm: 2012.06.17 @ 01:10:37

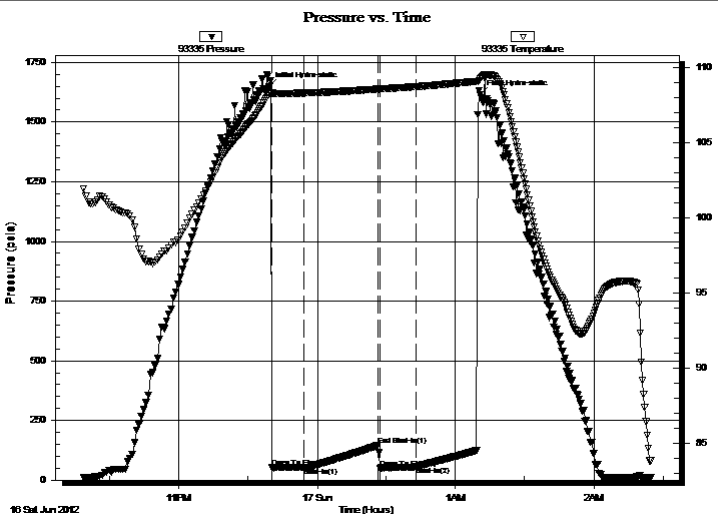
**TEST COMMENT:** 1sr Opening 15 Minutes Very weak surface blow through out

1st Shut-In 30 Minutes-No blow back

2nd Opening 15 Minutes-Good surge 3i inches bleed it off very weak surface blow 9 minutes and died

2nd Shut-In 30 Minutes-No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1648.52	108.22	Initial Hydro-static
1	51.84	108.30	Open To Flow (1)
15	52.97	108.30	Shut-In(1)
47	145.58	108.57	End Shut-In(1)
48	50.79	108.58	Open To Flow (2)
64	55.81	108.72	Shut-In(2)
92	1614.96	109.24	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud with a very slight show	0.14
0.00	of oil	0.00

## Gas Rates

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



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Job Ticket: 15873

**DST#: 1**

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Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 3335

Reference Elevations: 1895.00 ft (KB)

1887.00 ft (CF)

KB to GR/CF: 8.00 ft

**Serial #: 91716 Outside**

Press @ Run Depth: 124.20 psia @ 3302.69 ft (KB)

Start Date: 2012.06.16

End Date: 2012.06.17

Start Time: 22:25:13

End Time: 02:32:43

Capacity: 5000.00 psia

Last Calib.: 2012.06.16

Time On Btm: 2012.06.16 @ 23:47:13

Time Off Btm: 2012.06.17 @ 01:18:13

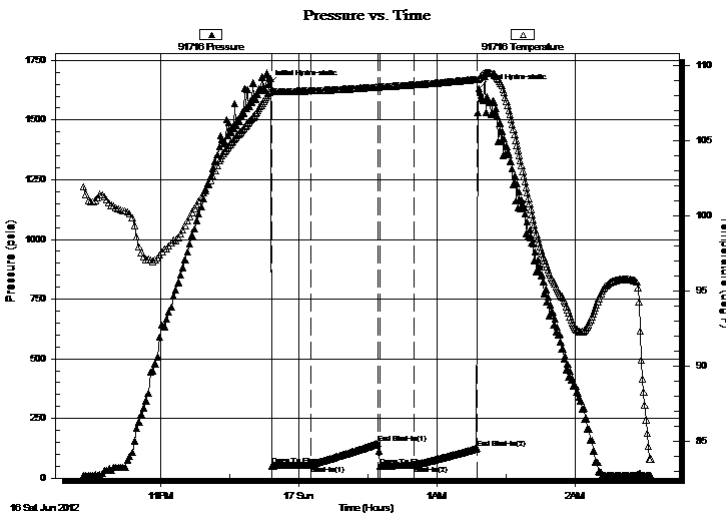
**TEST COMMENT:** 1sr Opening 15 Minutes Very weak surface blow through out

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2nd Opening 15 Minutes-Good surge 3i inches bleed it off very weak surface blow 9 minutes and died

2nd Shut-In 30 Minutes-No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1648.52	108.22	Initial Hydro-static
1	51.84	108.30	Open To Flow (1)
18	55.51	108.32	Shut-In(1)
47	145.58	108.57	End Shut-In(1)
48	50.79	108.58	Open To Flow (2)
63	54.25	108.72	Shut-In(2)
91	124.20	109.07	End Shut-In(2)
91	1630.46	109.15	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud with a very slight show	0.14
0.00	of oil	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.

**13-20s-14w Barton**

9431 East Central Suite 100  
Wichita, Kansas 67206-2563

**Panning #2-13**

Job Ticket: 15873

**DST#: 1**

ATTN: Rene Husted

Test Start: 2012.06.16 @ 00:00:00

## Tool Information

Drill Pipe:	Length: 3230.00 ft	Diameter: 3.80 inches	Volume: 45.31 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.76 inches	Volume: - 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: 42000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3250.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.69 ft			
Tool Length:	83.69 ft			
Number of Packers:	2	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			3227.00	
Hydraulic Tool	5.00			3232.00	
Jars	6.00			3238.00	
Safety Joint	2.00			3240.00	
Packer	5.00			3245.00	28.00 Bottom Of Top Packer
Packer	5.00			3250.00	
Perforations	5.00			3255.00	
Change Over Sub	0.75			3255.75	
Drill Pipe	29.19			3284.94	
Change Over Sub	0.75			3285.69	
Perforations	15.00			3300.69	
Recorder	1.00	93335	Inside	3301.69	
Recorder	1.00	91716	Outside	3302.69	
Bull Plug	3.00			3305.69	55.69 Bottom Packers & Anchor

**Total Tool Length: 83.69**



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## FLUID SUMMARY

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Job Ticket: 15873

**DST#: 1**

ATTN: Rene Husted

Test Start: 2012.06.16 @ 00:00:00

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 50.00 sec/qt  
Water Loss: 8.80 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 67000.00 ppm  
Filter Cake: 1.00 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
10.00	mud with a very slight show	0.140
0.00	of oil	0.000

Total Length: 10.00 ft      Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

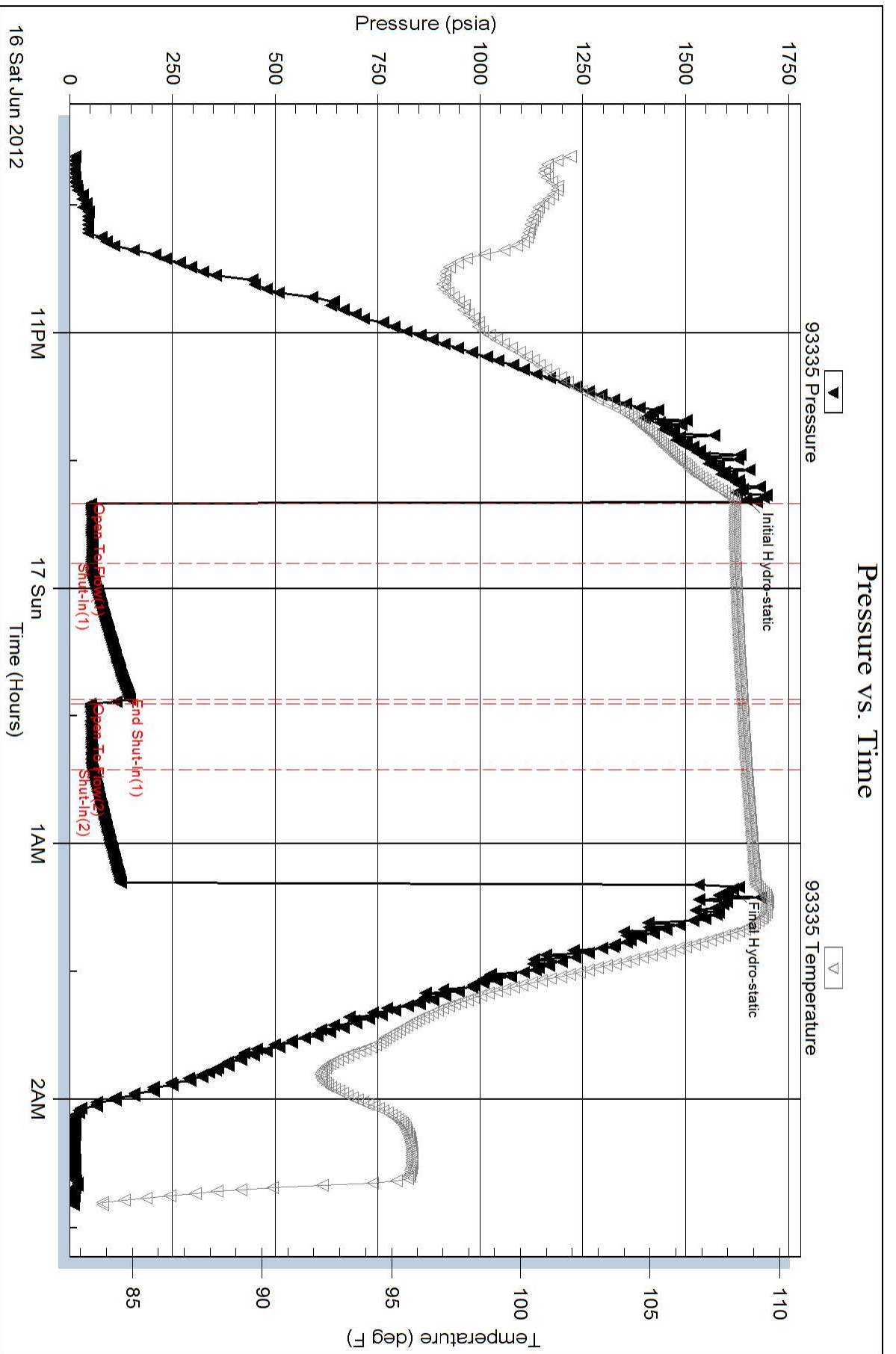
Serial #: 93335

Inside

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DST Test Number: 1



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