



## 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

**G.B.F #1-12**

**12-19s-14w Barton**

Start Date: 2015.05.07 @ 00:00:00

End Date: 2015.05.07 @ 00:00:00

Job Ticket #: 01033                      DST #: 4

Eagle Testers  
1309 Patton Road    Great Bend, Kansas 67530  
620-791-7394

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F.G.Holl Company L.L.C.  
12-19s-14w Barton  
G.B.F #1-12  
DST # 4  
Conglomerat & Arbuck  
2015.05.07



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Test Start: 2015.05.07 @ 00:00:00

## GENERAL INFORMATION:

Formation: **Conglomerat & Arbuck**

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: 1

Interval: **3443.00 ft (KB) To 3510.00 ft (KB) (TVD)**

Reference Elevations: 1886.00 ft (KB)

Total Depth: 3510.00 ft (KB) (TVD)

1878.00 ft (CF)

Hole Diameter: 788.00 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: **9139** Outside

Press@RunDepth: 1093.25 psia @ 3504.60 ft (KB)

Capacity: 5000.00 psia

Start Date: 2015.05.07 End Date: 2015.05.07

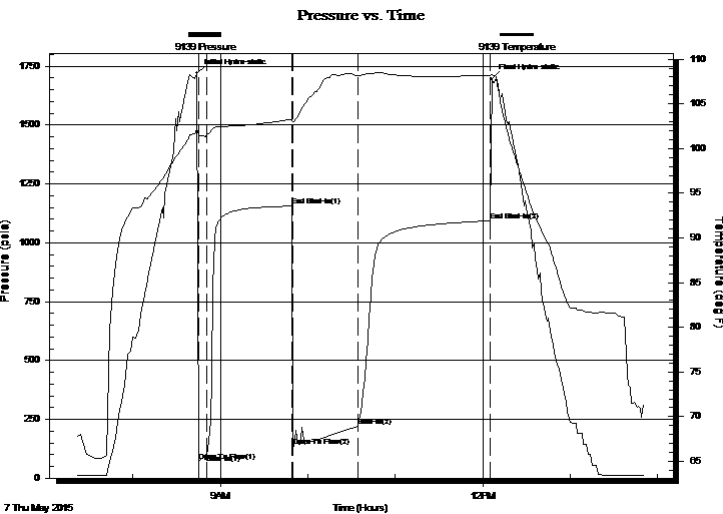
Last Calib.: 2015.05.07

Start Time: 07:21:00 End Time: 13:51:00

Time On Btm: 2015.05.07 @ 08:44:00

Time Off Btm: 2015.05.07 @ 12:06:00

TEST COMMENT: 1st Opening 5 Minutexts-Fair blow built to 9 inches into the water  
1st Shut-In 60 Minutes-Weak steady blow back  
2nd Opening 45 Minutes-Fair blow built to the bottom of a 5 gallon bucket in 10 minutes  
2nd Shut-In 90 Minutes-Weak blow back through out



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1719.96	102.17	Initial Hydro-static
1	69.83	101.58	Open To Flow (1)
7	102.55	101.59	Shut-In(1)
65	1155.27	103.27	End Shut-In(1)
66	137.06	102.96	Open To Flow (2)
110	220.70	108.17	Shut-In(2)
201	1093.25	108.20	End Shut-In(2)
202	1696.56	108.22	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	180 gAS IN THE PIP3	0.00
135.00	Mud cut gassy oil 28%Gas 22%Oil 50%	1.89
120.00	Mud Cut Gassy oil 20%Gas 45%Oil 35%	1.68
60.00	Slightly mud cut gassy oil	0.84
0.00	60%GAS 30%OIL 10%MUD	0.00
60.00	sLIGHTLY MUD CUT GASSY OIL	0.84

## Gas Rates

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





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TOOL DIAGRAM

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

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Job Ticket: 01033

DST#: 4

ATTN: Rene Husted

Test Start: 2015.05.07 @ 00:00:00

## Tool Information

Drill Pipe:	Length: 3435.00 ft	Diameter: 3.80 inches	Volume: 48.18 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: 3.22 inches	Volume: 0.00 bbl	Weight to Pull Loose:	75000.00 lb
			Total Volume: 48.18 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	3443.00 ft			Final	61000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	66.60 ft				
Tool Length:	95.60 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3419.00	
Hydraulic tool	5.00			3424.00	
Jars	7.00			3431.00	
Safety Joint	2.00		Fluid	3433.00	
Top Packer	5.00			3438.00	
Packer	5.00			3443.00	29.00 Bottom Of Top Packer
Anchor	5.00			3448.00	
Change Over Sub	0.75			3448.75	
Drill Pipe	30.10			3478.85	
Change Over Sub	0.75			3479.60	
Anchor	25.00			3504.60	
Recorder	0.00	9119	Inside	3504.60	
Recorder	0.00	9139	Outside	3504.60	
Bullnose	5.00			3509.60	66.60 Anchor Tool

**Total Tool Length: 95.60**



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## FLUID SUMMARY

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Test Start: 2015.05.07 @ 00:00:00

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 49.00 sec/qt  
Water Loss: 7.60 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 4600.00 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
0.00	180 gAS IN THE PIP3	0.000
135.00	Mud cut gassy oil 28%Gas 22%Oil 50%Mud	1.894
120.00	Mud Cut Gassy oil 20%Gas 45%Oil 35%Mud	1.683
60.00	Slightly mud cut gassy oil	0.842
0.00	60%GAS 30%OIL 10%MUD	0.000
60.00	sLIGHTLY MUD CUT GASSY OIL	0.842
0.00	50%GAS 40%OIL 10%MUD	0.000

Total Length: 375.00 ft Total Volume: 5.261 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

### Pressure vs. Time

