



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: 2015.05.04 @ 00:00:00

End Date: 2015.05.04 @ 00:00:00

Job Ticket #: 01030 DST #: 1

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

Printed: 2015.05.04 @ 22:54:47



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Job Ticket: 01030

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ATTN: Rene Husted

Test Start: 2015.05.04 @ 00:00:00

GENERAL INFORMATION:

Formation: **Kansas City "G & H"**

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 Budigg

Unit No: 1-17 miles

Interval: **3350.00 ft (KB) To 3378.00 ft (KB) (TVD)**

Reference Elevations: 1886.00 ft (KB)

Total Depth: 3378.00 ft (KB) (TVD)

1878.00 ft (CF)

Hole Diameter: 788.00 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 3139

Inside

Press@RunDepth: 163.24 psia @ 3373.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2015.05.04

End Date:

2015.05.04

Last Calib.:

2015.05.04

Start Time: 03:23:00

End Time:

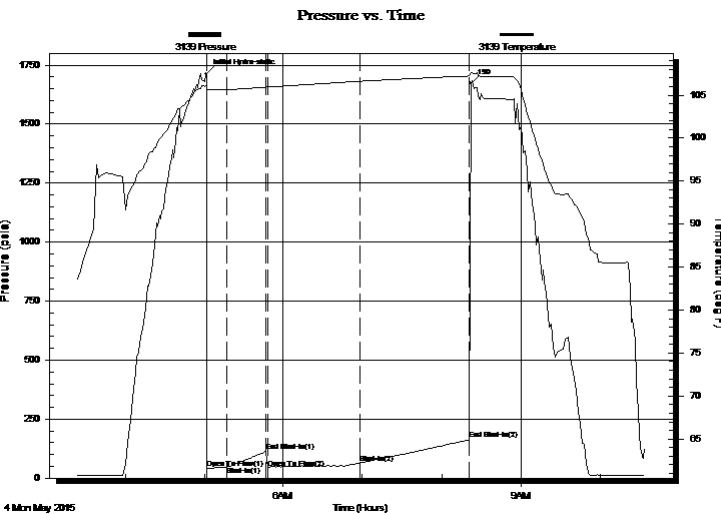
10:34:30

Time On Btm:

2015.05.04 @ 05:01:30

Time Off Btm:

TEST COMMENT: 1st Opening 15 Minutes-Wead steady surface blow through out
1st Shut-In 30 Minutes-No blow back
2nd Opening 60 Minutes-Weak building blow buyit to the bottom of a 5 gallon bucket in 58 minutes
2nd Shut-In 90 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1713.80	106.13	Initial Hydro-static
1	41.01	105.66	Open To Flow (1)
16	48.17	105.64	Shut-In(1)
46	114.14	105.93	End Shut-In(1)
47	43.62	105.93	Open To Flow (2)
117	64.33	106.61	Shut-In(2)
200	163.24	107.23	End Shut-In(2)
201	1672.44	107.64	190

Recovery

Length (ft)	Description	Volume (bbl)
190.00	gas in the pipe	2.67
30.00	oil and gas cut mud	0.42
0.00	there w as a good show of free oil betw	0.00

Gas Rates

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



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Reference Elevations: 1886.00 ft (KB)

Total Depth: 3378.00 ft (KB) (TVD)

1878.00 ft (CF)

Hole Diameter: 788.00 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 3119 Outside

Press@RunDepth: 164.80 psia @ 3373.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2015.05.04

End Date:

2015.05.04

Last Calib.:

2015.05.04

Start Time:

03:23:00

End Time:

10:34:30

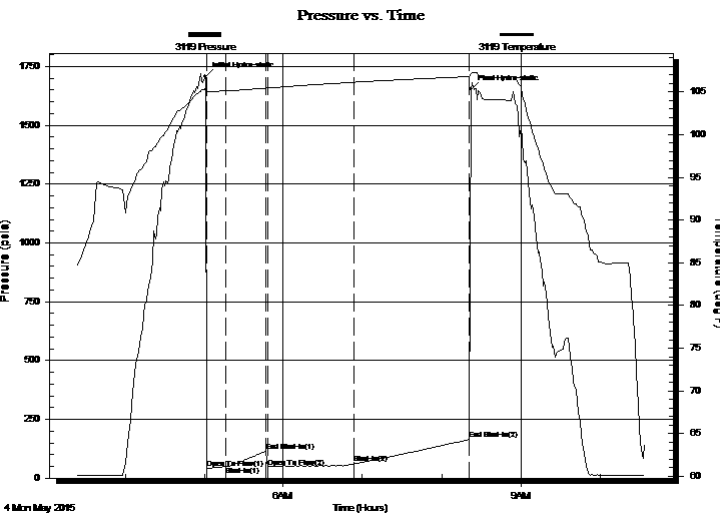
Time On Btm:

2015.05.04 @ 05:01:00

Time Off Btm:

2015.05.04 @ 08:22:00

TEST COMMENT: 1st Opening 15 Minutes-Wead steady surface blow through out
1st Shut-In 30 Minutes-No blow back
2nd Opening 60 Minutes-Weak building blow buyit to the bottom of a 5 gallon bucket in 58 minutes
2nd Shut-In 90 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1707.42	105.50	Initial Hydro-static
1	41.48	104.58	Open To Flow (1)
16	49.04	105.13	Shut-In(1)
46	115.70	105.47	End Shut-In(1)
47	47.04	105.46	Open To Flow (2)
113	60.88	106.14	Shut-In(2)
200	164.80	106.80	End Shut-In(2)
201	1652.43	107.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
190.00	gas in the pipe	2.67
30.00	oil and gas cut mud	0.42
0.00	there w as a good show of free oil betw	0.00

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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Wichita ,Kamsas 67206-2563

G.B.F #1-12

Job Ticket: 01030

DST#: 1

ATTN: Rene Husted

Test Start: 2015.05.04 @ 00:00:00

Tool Information

Drill Pipe:	Length: 3346.00 ft	Diameter: 3.80 inches	Volume: 46.94 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 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:	75000.00 lb
			Total Volume: 46.94 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	3350.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	523.00 ft				
Tool Length:	552.00 ft				
Number of Packers:	2	Diameter: 675.00 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3326.00	
Hydraulic tool	5.00			3331.00	
Jars	7.00			3338.00	
Safety Joint	2.00		Fluid	3340.00	
Top Packer	5.00			3345.00	
Packer	5.00			3350.00	29.00 Bottom Of Top Packer
Anchor	23.00			3373.00	
Recorder	0.00	3139	Inside	3373.00	
Recorder	0.00	3119	Outside	3373.00	
Bullnose	500.00			3873.00	523.00 Anchor Tool
Total Tool Length:	552.00				



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FLUID SUMMARY

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Test Start: 2015.05.04 @ 00:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 49.00 sec/qt
Water Loss: 75.96 in³
Resistivity: ohm.m
Salinity: 5100.00 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
190.00	gas in the pipe	2.665
30.00	oil and gas cut mud	0.421
0.00	there w as a good show of free oil betwee	0.000

Total Length: 220.00 ft Total Volume: 3.086 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

