



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: 2015.05.06 @ 00:00:00

End Date: 2015.05.06 @ 00:00:00

Job Ticket #: 01032 DST #: 3

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

Printed: 2015.05.06 @ 15:59:34



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Job Ticket: 01032

DST#: 3

ATTN: Rene Husted

Test Start: 2015.05.06 @ 00:00:00

GENERAL INFORMATION:

Formation: **Kansas City "L"**

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: **3446.00 ft (KB) To 3463.00 ft (KB) (TVD)**

Reference Elevations: 1886.00 ft (KB)

Total Depth: 3463.00 ft (KB) (TVD)

1878.00 ft (CF)

Hole Diameter: 788.00 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 3139 Outside

Press@RunDepth: 114.97 psia @ 3458.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2015.05.06 End Date: 2015.05.06

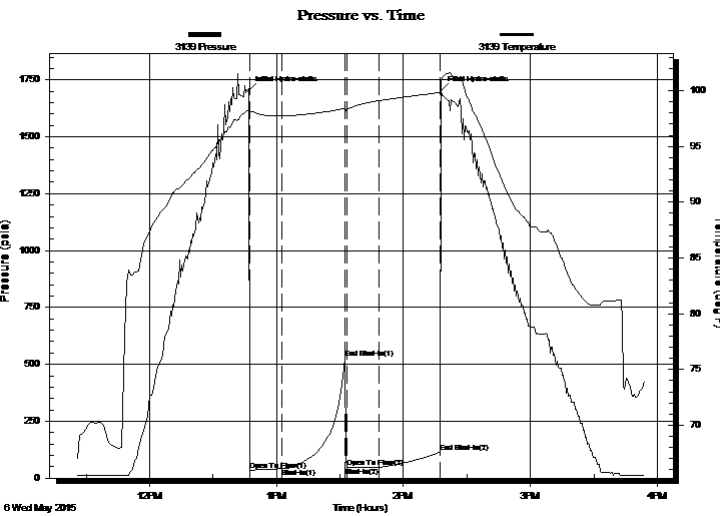
Last Calib.: 2015.05.06

Start Time: 11:25:00 End Time: 15:54:00

Time On Btm: 2015.05.06 @ 12:47:00

Time Off Btm: 2015.05.06 @ 14:18:00

TEST COMMENT: 1st Opening 15 Minutes Weak blow for 7 minutes and died
1st Shut-In 30 Minutes
2nd Opening 15 Minutes-No blow
2nd Shut-In 30 Min utes



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1703.24	98.18	Initial Hydro-static
1	34.88	97.94	Open To Flow (1)
16	41.74	97.73	Shut-In(1)
46	525.45	98.44	End Shut-In(1)
47	47.46	98.37	Open To Flow (2)
62	46.86	99.10	Shut-In(2)
91	114.97	99.85	End Shut-In(2)
91	1702.82	100.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Oil cut mud 15%Oil 85 %Mud	0.21

Gas Rates

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



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Test Type: Conventional Bottom Hole (Initial)

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Unit No: 1

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Reference Elevations: 1886.00 ft (KB)

Total Depth: 3463.00 ft (KB) (TVD)

1878.00 ft (CF)

Hole Diameter: 788.00 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 9119

Inside

Press@RunDepth: 116.80 psia @ 3458.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2015.05.06

End Date: 2015.05.06

Last Calib.: 2015.05.06

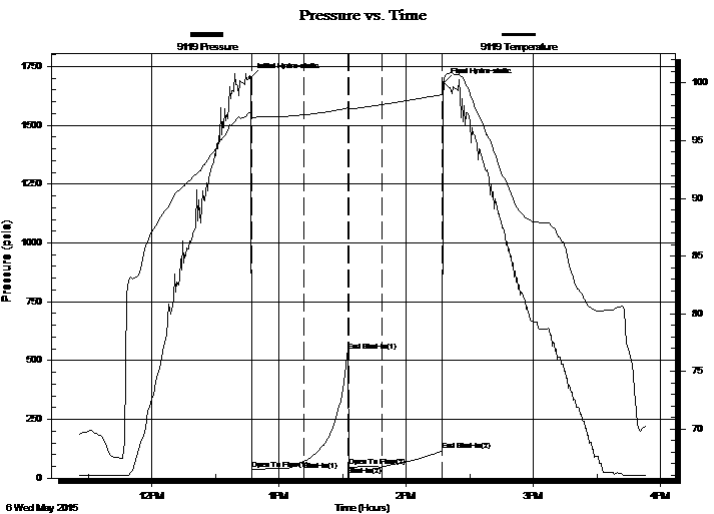
Start Time: 11:25:00

End Time: 15:53:30

Time On Btm: 2015.05.06 @ 12:46:30

Time Off Btm: 2015.05.06 @ 14:18:00

TEST COMMENT: 1st Opening 15 Minutes Weak blow for 7 minutes and died
1st Shut-In 30 Minutes
2nd Opening 15 Minutes-No blow
2nd Shut-In 30 Min utes



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1703.14	97.44	Initial Hydro-static
1	35.97	96.99	Open To Flow (1)
26	72.46	97.24	Shut-In(1)
46	538.06	97.85	End Shut-In(1)
47	48.92	97.73	Open To Flow (2)
62	48.93	98.12	Shut-In(2)
91	116.80	98.98	End Shut-In(2)
92	1682.90	100.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Oil cut mud 15%Oil 85 %Mud	0.21

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: 01032

DST#: 3

ATTN: Rene Husted

Test Start: 2015.05.06 @ 00:00:00

Tool Information

Drill Pipe:	Length: 3441.00 ft	Diameter: 3.80 inches	Volume: 48.27 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:	74000.00 lb
			Total Volume: 48.27 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	3446.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	17.00 ft				
Tool Length:	46.00 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			3422.00	
Hydraulic tool	5.00			3427.00	
Jars	7.00			3434.00	
Safety Joint	2.00		Fluid	3436.00	
Top Packer	5.00			3441.00	
Packer	5.00			3446.00	29.00 Bottom Of Top Packer
Anchor	12.00			3458.00	
Recorder	0.00	3119	Inside	3458.00	
Recorder	0.00	3139	Outside	3458.00	
Bullnose	5.00			3463.00	17.00 Anchor Tool
Total Tool Length:	46.00				



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FLUID SUMMARY

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Test Start: 2015.05.06 @ 00:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 7.20 in³

Resistivity: ohm.m

Salinity: 5100.00 ppm

Filter Cake: 0.00 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
15.00	Oil cut mud 15%Oil 85 %Mud	0.210

Total Length: 15.00 ft Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

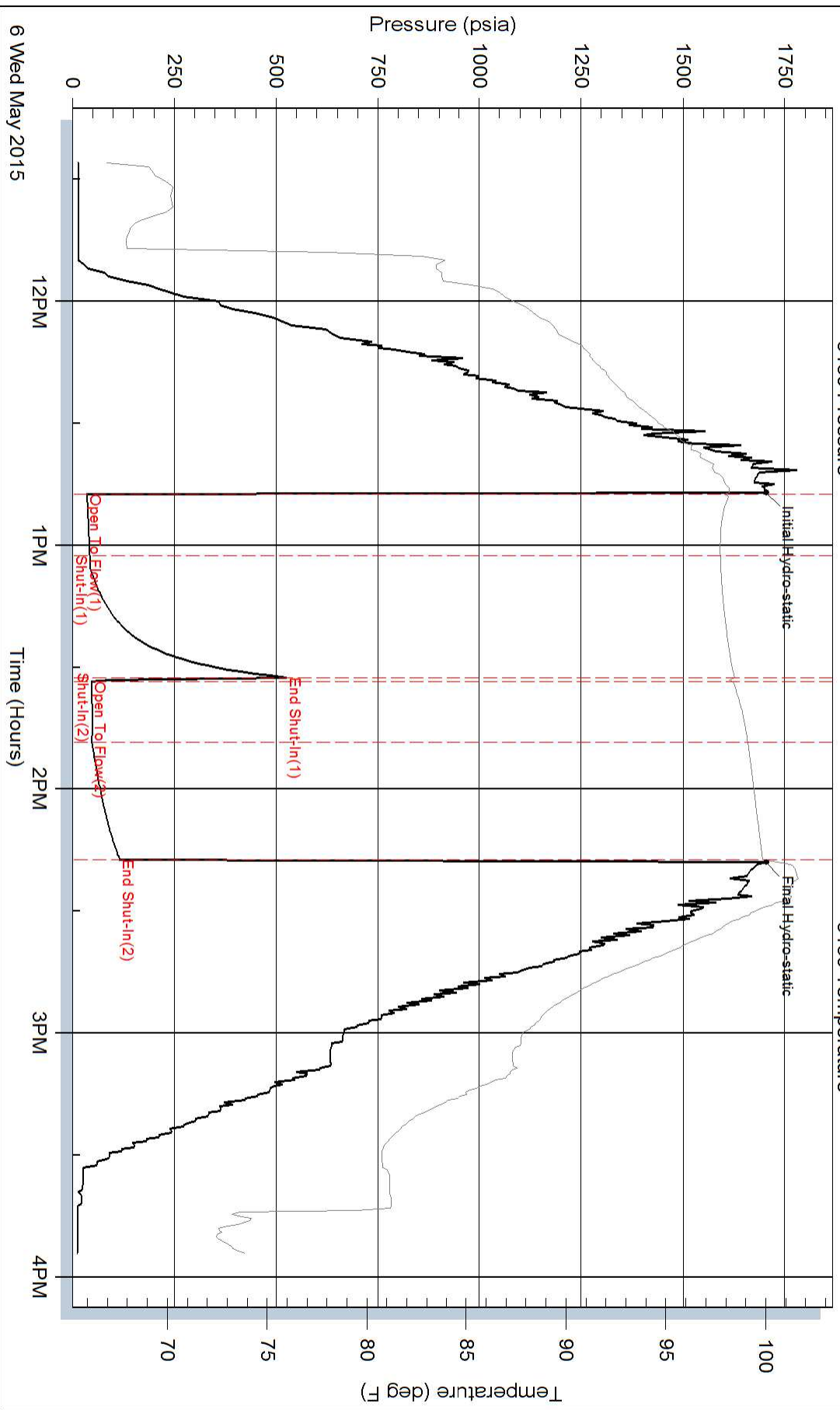
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



Pressure vs. Time

