



DRILL STEM TEST REPORT

Prepared For: **F G Holl Company LLC**

9431 East Central Suite 100
Wichita, Kansas 67206-2563

ATTN: Renee Husted

Leroy Farm #2-30

30-19s-14w Barton

Start Date: 2019.11.10 @ 06:45:00

End Date: 2019.11.10 @ 11:42:00

Job Ticket #: 01390 DST #: 3

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

Printed: 2019.11.10 @ 11:44:12



DRILL STEM TEST REPORT

F G Holl Company LLC
 9431 East Central Suite 100
 Wichita, Kansas 67206-2563
 ATTN: Renee Hustead

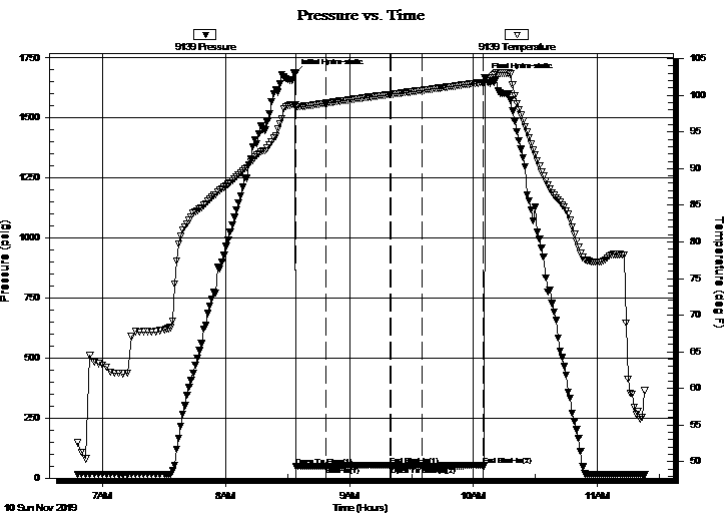
30-19s-14w Barton
Leroy Farm #2-30
 Job Ticket: 01390 **DST#: 3**
 Test Start: 2019.11.10 @ 06:45:00

GENERAL INFORMATION:

Formation: **Kansas City "H & I"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:34:00
 Time Test Ended: 11:42:00
 Interval: **3346.00 ft (KB) To 3380.00 ft (KB) (TVD)**
 Total Depth: 3380.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gene Biudig
 Unit No: 1
 Reference Elevations: 1915.00 ft (KB)
 1907.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 9139 Outside
 Press@RunDepth: 52.85 psig @ 3375.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2019.11.10 End Date: 2019.11.10 Last Calib.: 2019.11.10
 Start Time: 06:45:00 End Time: 11:23:30 Time On Btm: 2019.11.10 @ 08:33:30
 Time Off Btm: 2019.11.10 @ 10:05:30

TEST COMMENT: 1st Opening 15 Weak blow for 6minutes and died
 1st Shut-In 30 Minutes
 2nd Opening 15 Minutes no blow
 2nd Shut-In 30 Minutes



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1684.05	98.75	Initial Hydro-static
1	49.01	98.40	Open To Flow (1)
15	49.96	98.94	Shut-In(1)
46	54.34	100.11	End Shut-In(1)
47	49.71	100.13	Open To Flow (2)
62	49.63	100.68	Shut-In(2)
91	52.85	101.77	End Shut-In(2)
92	1669.55	102.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling mud	0.07

Gas Rates

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



DRILL STEM TEST REPORT

F G Holl Company LLC
 9431 East Central Suite 100
 Wichita, Kansas 67206-2563
 ATTN: Renee Husted

30-19s-14w Barton
Leroy Farm #2-30
 Job Ticket: 01390 **DST#: 3**
 Test Start: 2019.11.10 @ 06:45:00

GENERAL INFORMATION:

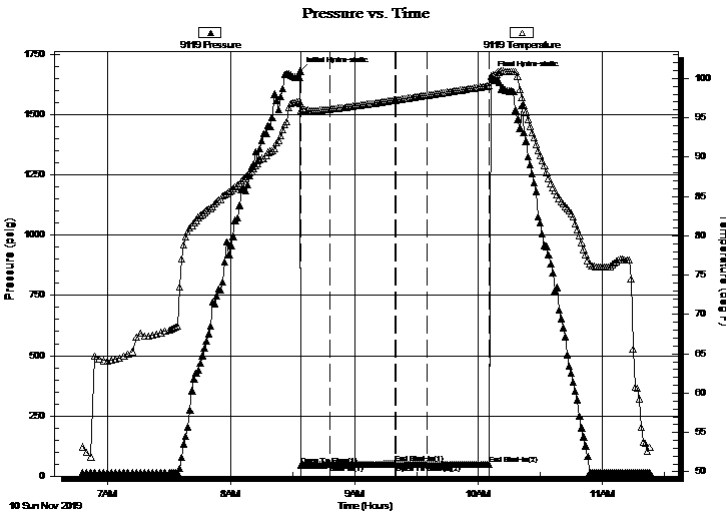
Formation: **Kansas City "H & I"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:34:00
 Time Test Ended: 11:42:00
 Interval: **3346.00 ft (KB) To 3380.00 ft (KB) (TVD)**
 Total Depth: 3380.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gene Biudig
 Unit No: 1
 Reference Elevations: 1915.00 ft (KB)
 1907.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 9119

Press@RunDepth: 49.44 psig @ ft (KB) Capacity: psig
 Start Date: 2019.11.10 End Date: 2019.11.10 Last Calib.: 1899.12.30
 Start Time: 06:45:00 End Time: 11:23:30 Time On Btm: 2019.11.10 @ 08:33:30
 Time Off Btm: 2019.11.10 @ 10:06:00

TEST COMMENT: 1st Opening 15 Weak blow for 6minutes and died
 1st Shut-In 30 Minutes
 2nd Opening 15 Minutes no blow
 2nd Shut-In 30 Minutes

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1680.84	96.76	Initial Hydro-static
1	46.68	95.87	Open To Flow (1)
15	47.55	96.11	Shut-In(1)
46	51.38	97.25	End Shut-In(1)
47	47.54	97.26	Open To Flow (2)
62	47.67	97.86	Shut-In(2)
92	49.44	99.05	End Shut-In(2)
93	1660.71	100.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling mud	0.07

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

F G Holl Company LLC

30-19s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Leroy Farm #2-30

Job Ticket: 01390

DST#: 3

ATTN: Renee Husted

Test Start: 2019.11.10 @ 06:45:00

Tool Information

Drill Pipe:	Length: 3343.00 ft	Diameter: 3.80 inches	Volume: 46.89 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: 46.89 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3346.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	34.00 ft				
Tool Length:	64.00 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			3321.00	
Hydraulic tool	5.00			3326.00	
Jars	5.00			3331.00	
Safety Joint	5.00			3336.00	
Packer	5.00			3341.00	30.00 Bottom Of Top Packer
Packer	5.00		Fluid	3346.00	
Anchor	5.00			3351.00	
Recorder	0.00	9119	Inside	3351.00	
Recorder	24.00	9139	Outside	3375.00	
Bullnose	5.00			3380.00	34.00 Bottom Packers & Anchor
Total Tool Length:	64.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

F G Holl Company LLC

30-19s-14w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Leroy Farm #2-30

Job Ticket: 01390

DST#: 3

ATTN: Renee Husted

Test Start: 2019.11.10 @ 06:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 8.00 in³

Resistivity: ohm.m

Salinity: 8100.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drilling mud	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

