



DRILL STEM TEST REPORT

Prepared For: **FG Holl Company LLC**

9431 E. Central STE. 100 Wichita Kansas
67208-2563

ATTN: Frank Greenbaum

Binford/Campbell #1

31/20s/15w/Barton

Start Date: 2013.05.02 @ 16:25:00

End Date: 2013.05.02 @ 22:53:00

Job Ticket #: 17577 DST #: 1

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

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DRILL STEM TEST REPORT

FG Holl Company LLC

31/20s/15w/Barton

9431 E. Central STE. 100 Wichita Kansas 67208-2563

Binford/Campbell #1

Job Ticket: 17577

DST#: 1

ATTN: Frank Greenbaum

Test Start: 2013.05.02 @ 16:25:00

GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:26:30

Time Test Ended: 22:53:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane Konzem

Unit No: 3330/50/Great Bend

Interval: **3682.00 ft (KB) To 3750.00 ft (KB) (TVD)**

Reference Elevations: 2022.00 ft (KB)

Total Depth: 3750.00 ft (KB) (TVD)

2014.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

Serial #: 8405 Inside

Press @ RunDepth: 74.63 psia @ 3746.50 ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.05.02

End Date: 2013.05.02

Last Calib.: 2013.05.02

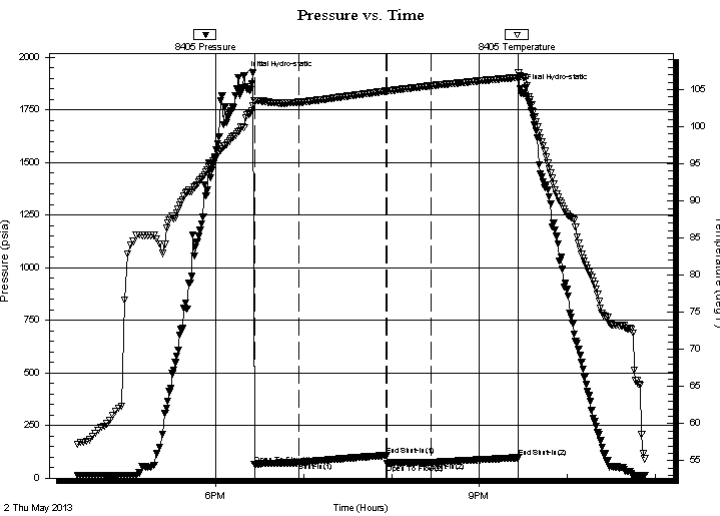
Start Time: 16:26:00

End Time: 22:53:00

Time On Btm: 2013.05.02 @ 18:19:30

Time Off Btm: 2013.05.02 @ 21:27:30

TEST COMMENT: 1st Open/ 30 Minutes. Weak blow built to 2 inches in 5 gallon bucket.
 1st Shut In/ 60 Minutes. No blow back.
 2nd Open/ 30 Minutes. Weak surface blow that died after 25 minutes.
 2nd Shut In/ 60 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1913.35	99.85	Initial Hydro-static
7	66.59	103.44	Open To Flow (1)
37	74.09	103.28	Shut-In(1)
97	107.82	104.79	End Shut-In(1)
98	67.88	104.80	Open To Flow (2)
128	74.63	105.50	Shut-In(2)
187	97.07	106.63	End Shut-In(2)
188	1849.25	106.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	620 feet of gas	0.00
25.00	100% mud	0.35

Gas Rates

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



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Binford/Campbell #1

ATTN: Frank Greenbaum

Job Ticket: 17577

DST#: 1

Test Start: 2013.05.02 @ 16:25:00

GENERAL INFORMATION:

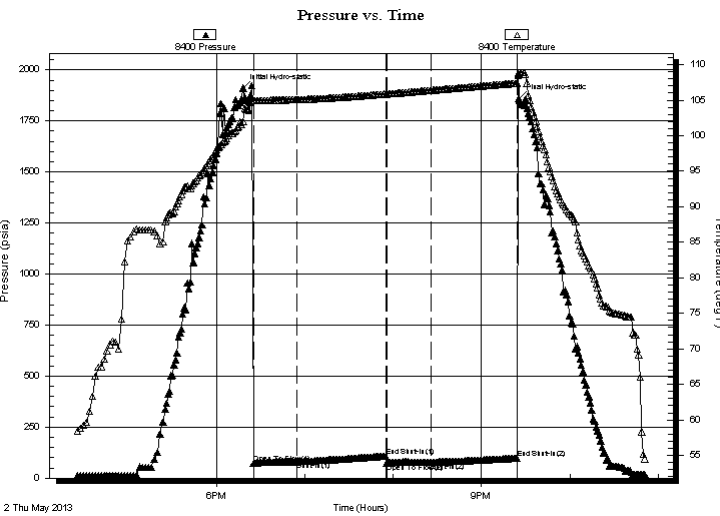
Formation: **Viola**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:26:30
 Time Test Ended: 22:53:00
 Interval: **3682.00 ft (KB) To 3750.00 ft (KB) (TVD)**
 Total Depth: 3750.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane Konzem
 Unit No: 3330/50/Great Bend
 Reference Elevations: 2022.00 ft (KB)
 2014.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8400

Outside

Press @ Run Depth: 97.81 psia @ 3747.50 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.05.02 End Date: 2013.05.02 Last Calib.: 2013.05.02
 Start Time: 16:25:23 End Time: 22:51:23 Time On Btm: 2013.05.02 @ 18:17:53
 Time Off Btm: 2013.05.02 @ 21:25:23

TEST COMMENT: 1st Open/ 30 Minutes. Weak blow built to 2 inches in 5 gallon bucket.
 1st Shut In/ 60 Minutes. No blow back.
 2nd Open/ 30 Minutes. Weak surface blow that died after 25 minutes.
 2nd Shut In/ 60 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1910.50	101.98	Initial Hydro-static
7	72.39	104.97	Open To Flow (1)
37	80.32	105.07	Shut-In(1)
97	108.00	105.86	End Shut-In(1)
98	74.88	105.85	Open To Flow (2)
128	78.43	106.37	Shut-In(2)
187	97.81	107.38	End Shut-In(2)
188	1859.60	108.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	620 feet of gas	0.00
25.00	100% mud	0.35

Gas Rates

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



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TOOL DIAGRAM

FG Holl Company LLC

31/20s/15w/Barton

9431 E. Central STE. 100 Wichita Kansas 67208-2563

Binford/Campbell #1

Job Ticket: 17577

DST#: 1

ATTN: Frank Greenbaum

Test Start: 2013.05.02 @ 16:25:00

Tool Information

Drill Pipe:	Length: 3674.00 ft	Diameter: 3.80 inches	Volume: 51.54 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: 60000.00 lb
			<u>Total Volume: 51.54 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3682.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	68.50 ft			
Tool Length:	96.50 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-InTool	5.00		Inside	3659.00	
Hydraulic Tool	5.00			3664.00	
Jars	6.00			3670.00	
Safety Joint	2.00			3672.00	
Packer	5.00			3677.00	28.00 Bottom Of Top Packer
Packer	5.00			3682.00	
Anchor	5.00			3687.00	
Change Over Sub	0.75			3687.75	
Drill Pipe	31.00		Outside	3718.75	
Change Over Sub	0.75		Outside	3719.50	
Anchor	26.00			3745.50	
Recorder	1.00	8405	Inside	3746.50	
Recorder	1.00	8400	Outside	3747.50	
Bullnose	3.00			3750.50	68.50 Bottom Packers & Anchor

Total Tool Length: 96.50



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FLUID SUMMARY

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DST#: 1

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Test Start: 2013.05.02 @ 16:25:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 52.00 sec/qt
Water Loss: 7.20 in³
Resistivity: ohm.m
Salinity: 4800.00 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	620 feet of gas	0.000
25.00	100% mud	0.351

Total Length: 25.00 ft Total Volume: 0.351 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

