



DRILL STEM TEST REPORT

Prepared For: **F.G Holl Company L.L.C**

9431E Central ste 100 Wichita KS
67206+2563

ATTN: Rene Husted

Axman 'A' Unit #1-23

23-17-15 Barton

Start Date: 2012.10.13 @ 05:20:00

End Date: 2012.10.13 @ 10:16:00

Job Ticket #: 16878 DST #: 2

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

Printed: 2012.10.13 @ 10:21:56



DRILL STEM TEST REPORT

F.G Holl Company L.L.C

23-17-15 Barton

9431E Central ste 100 Wichita KS 67206+2563

Axman 'A' Unit #1-23

ATTN: Rene Husted

Job Ticket: 16878

DST#: 2

Test Start: 2012.10.13 @ 05:20:00

GENERAL INFORMATION:

Formation: **Lansing E-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:05:00

Time Test Ended: 10:16:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320--Great Bend

Interval: 3315.00 ft (KB) To 3330.00 ft (KB) (TVD)

Reference Elevations: 1966.00 ft (KB)

Total Depth: 3330.00 ft (KB) (TVD)

1954.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 8525

Press @ RunDepth: 59.88 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.10.13

End Date: 2012.10.13

Last Calib.: 2012.10.13

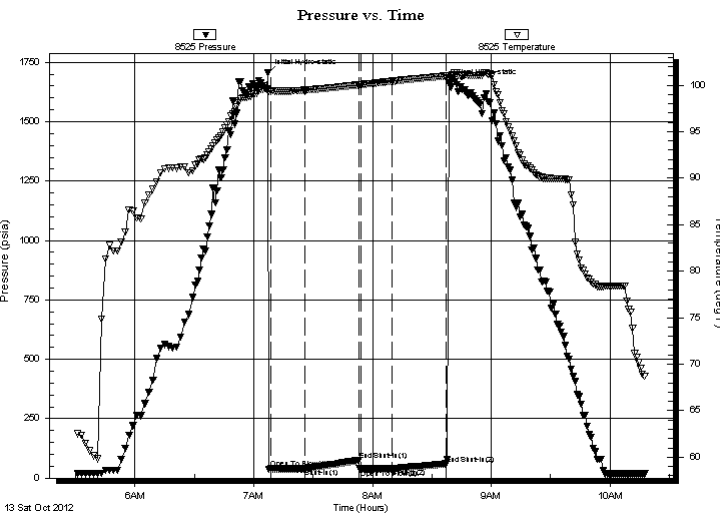
Start Time: 05:30:00

End Time: 10:17:30

Time On Btm: 2012.10.13 @ 07:07:00

Time Off Btm: 2012.10.13 @ 08:38:30

TEST COMMENT: 1st Opening 15 Minutes-Weak blow built 1/4 inch into water in 15 minutes
 1st Shut-in 30 Minutes-No blow back
 2nd Opening 15 Minutes-Weak blow built 1/4 inch into water in 15 minutes
 2nd Shut-in 30 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1704.09	99.64	Initial Hydro-static
2	39.49	99.40	Open To Flow (1)
19	40.55	99.46	Shut-In(1)
46	74.90	100.02	End Shut-In(1)
47	38.77	100.05	Open To Flow (2)
63	39.94	100.42	Shut-In(2)
90	59.88	100.99	End Shut-In(2)
92	1661.88	101.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Spot oil cut mud 2%oil 98%mud	0.03

Gas Rates

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



DRILL STEM TEST REPORT

F.G Holl Company L.L.C

23-17-15 Barton

9431E Central ste 100 Wichita KS 67206+2563

Axman 'A' Unit #1-23

ATTN: Rene Husted

Job Ticket: 16878

DST#: 2

Test Start: 2012.10.13 @ 05:20:00

GENERAL INFORMATION:

Formation: **Lansing E-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:05:00

Time Test Ended: 10:16:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320--Great Bend

Interval: 3315.00 ft (KB) To 3330.00 ft (KB) (TVD)

Reference Elevations: 1966.00 ft (KB)

Total Depth: 3330.00 ft (KB) (TVD)

1954.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 6731

Press @ RunDepth: 35.94 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.10.13

End Date: 2012.10.13

Last Calib.: 2012.10.13

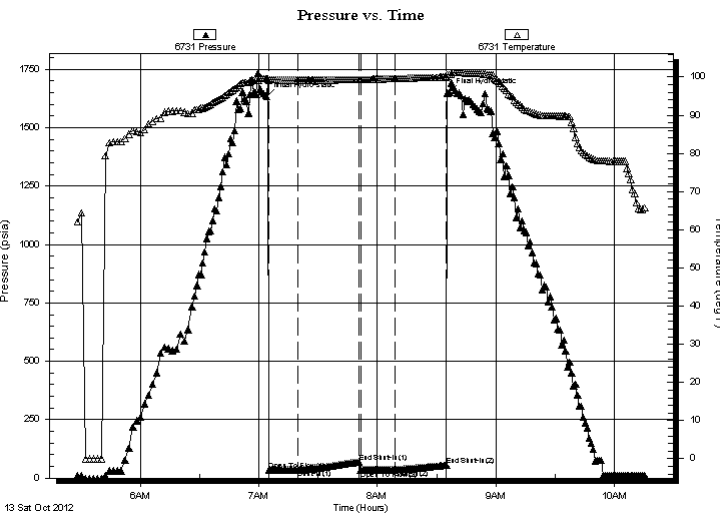
Start Time: 05:20:00

End Time: 10:16:00

Time On Btm: 2012.10.13 @ 07:04:00

Time Off Btm: 2012.10.13 @ 08:36:30

TEST COMMENT: 1st Opening 15 Minutes-Weak blow built 1/4 inch into water in 15 minutes
 1st Shut-in 30 Minutes-No blow back
 2nd Opening 15 Minutes-Weak blow built 1/4 inch into water in 15 minutes
 2nd Shut-in 30 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1632.28	99.60	Initial Hydro-static
1	34.67	99.07	Open To Flow (1)
16	35.99	99.16	Shut-In(1)
47	69.86	99.34	End Shut-In(1)
48	35.03	99.34	Open To Flow (2)
65	35.94	99.58	Shut-In(2)
91	55.04	100.03	End Shut-In(2)
93	1648.84	100.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Spot oil cut mud 2%oil 98%mud	0.03

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G Holl Company L.L.C

23-17-15 Barton

9431E Central ste 100 Wichita KS 67206+2563

Axman 'A' Unit #1-23

Job Ticket: 16878

DST#: 2

ATTN: Rene Husted

Test Start: 2012.10.13 @ 05:20:00

Tool Information

Drill Pipe:	Length: 3317.00 ft	Diameter: 3.80 inches	Volume: 46.53 bbl	Tool Weight: 1000.00 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: 55000.00 lb
			<u>Total Volume: 46.53 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3315.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	43.00 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			3292.00	
Hydraulic Tool	5.00			3297.00	
Jars	6.00			3303.00	
Safety Joint	2.00			3305.00	
Packer	5.00			3310.00	28.00 Bottom Of Top Packer
Packer	5.00			3315.00	
Perforations	10.00			3325.00	
Recorder	1.00	8524	Inside	3326.00	
Recorder	1.00		Outside	3327.00	
Bullnose	3.00			3330.00	15.00 Bottom Packers & Anchor
Total Tool Length:	43.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

F.G Holl Company L.L.C

23-17-15 Barton

9431E Central ste 100 Wichita KS 67206+2563

Axman 'A' Unit #1-23

Job Ticket: 16878

DST#: 2

ATTN: Rene Husted

Test Start: 2012.10.13 @ 05:20:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 6600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Spot oil cut mud 2%oil 98%mud	0.028

Total Length: 2.00 ft Total Volume: 0.028 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

