



DRILL STEM TEST REPORT

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

9431 East Central Suite #100
Wichita, Kansas 67206+2563

ATTN: Renee

Thompson #1-30

30/30S/13W Barber Co.

Start Date: 2012.01.24 @ 09:30:00

End Date: 2012.01.24 @ 21:22:00

Job Ticket #: 18873 DST #: 6

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

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Job Ticket: 18873

DST#: 6

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Test Start: 2012.01.24 @ 09:30:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:58:00

Time Test Ended: 21:22:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 3345-Great Bend-150

Interval: **4438.00 ft (KB) To 4519.00 ft (KB) (TVD)**

Reference Elevations: 1929.00 ft (KB)

Total Depth: 4519.00 ft (KB) (TVD)

1918.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6999 Inside

Press @ RunDepth: 84.97 psia @ 4545.85 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.01.24

End Date:

2012.01.24

Last Calib.:

2012.01.24

Start Time: 09:30:00

End Time:

21:22:00

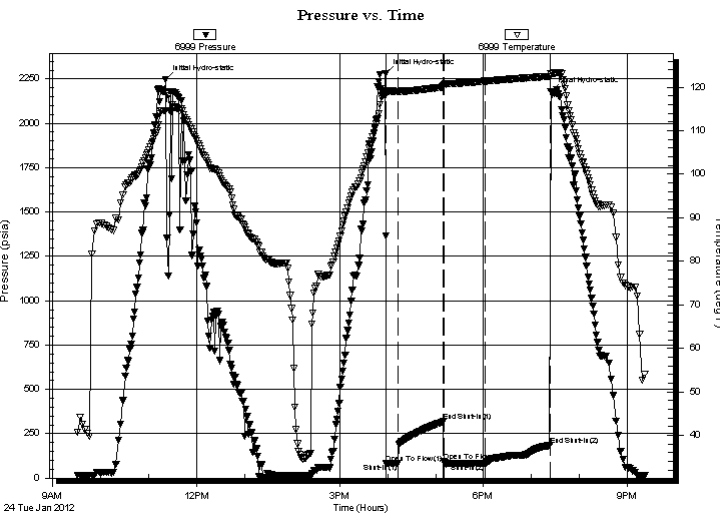
Time On Btm:

2012.01.24 @ 11:21:30

Time Off Btm:

2012.01.24 @ 19:24:30

TEST COMMENT: 1st Open 15 minutes Fair steady blow blew 3 inches in 15 minutes
1st Shut in 60 minutes No blow back
2nd Open 45 minutes Fair 2.5 inches then died off
2nd Shut in 90 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2246.97	114.67	Initial Hydro-static
276	2281.64	118.12	Initial Hydro-static
277	83.45	118.96	Open To Flow (1)
292	81.39	119.02	Shut-In(1)
348	318.36	120.06	End Shut-In(1)
349	95.79	120.31	Open To Flow (2)
400	84.97	121.38	Shut-In(2)
482	183.91	122.50	End Shut-In(2)
483	2177.92	123.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Mudd 100%	0.63

Gas Rates

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



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GENERAL INFORMATION:

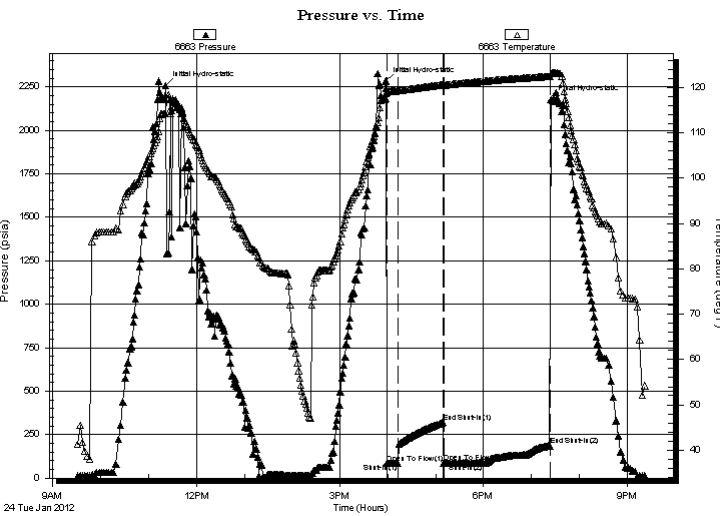
Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:58:00
 Time Test Ended: 21:22:00
 Interval: **4438.00 ft (KB) To 4519.00 ft (KB) (TVD)**
 Total Depth: 4519.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3345-Great Bend-150
 Reference Elevations: 1929.00 ft (KB)
 1918.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 6663

Outside

Press @ Run Depth: 186.54 psia @ 4546.85 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.01.24 End Date: 2012.01.24 Last Calib.: 2012.01.24
 Start Time: 09:30:00 End Time: 21:22:00 Time On Btm: 2012.01.24 @ 11:21:30
 Time Off Btm: 2012.01.24 @ 19:24:30

TEST COMMENT: 1st Open 15 minutes Fair steady blow blew 3 inches in 15 minutes
 1st Shut in 60 minutes No blow back
 2nd Open 45 minutes Fair 2.5 inches then died off
 2nd Shut in 90 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2256.57	114.26	Initial Hydro-static
276	2283.05	117.64	Initial Hydro-static
277	84.60	118.98	Open To Flow (1)
292	84.40	119.23	Shut-In(1)
348	320.99	120.57	End Shut-In(1)
349	88.90	120.49	Open To Flow (2)
399	86.86	121.33	Shut-In(2)
482	186.54	122.42	End Shut-In(2)
483	2176.33	123.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Mudd 100%	0.63

Gas Rates

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



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TOOL DIAGRAM

F.G.Holl Company LLC

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Tool Information

Drill Pipe:	Length: 4447.00 ft	Diameter: 3.80 inches	Volume: 62.38 bbl	Tool Weight: 20000.00 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: 100000.0 lb
			Total Volume: 62.38 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	1000101. ft			
Tool Length:	102.85 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-In Tool	5.00			4452.00	
Hydraulic Tool	5.00			4457.00	
Top Packer	5.00			4462.00	
Bottom Packer	5.00		Fluid	4467.00	
Anchor	2.00			4469.00	
Change Over Sub	0.75			4469.75	
Drill Pipe	64.35			4534.10	
Change Over Sub	0.75		Inside	4534.85	
Anchor	10.00			4544.85	
Recorder	1.00	6999	Inside	4545.85	
Recorder	1.00	6663	Outside	4546.85	
Bull Plug	3.00			4549.85	102.85
					Anchor Tool

Total Tool Length: 102.85



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FLUID SUMMARY

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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: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	Mudd 100%	0.631

Total Length: 45.00 ft Total Volume: 0.631 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

