



DRILL STEM TEST REPORT

Prepared For: **FG Holl Company LLC**

9431 East Central
Suite 100
Wichita, Kansas 67206+2563

ATTN: Rene Husted

Long/Bahr Unit #1-26

26/17S/15W

Start Date: 2012.10.03 @ 05:28:00

End Date: 2012.10.03 @ 13:11:30

Job Ticket #: 17841 DST #: 2

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

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 Test Start: 2012.10.03 @ 05:28:00

GENERAL INFORMATION:

Formation: **Lansing/Kansas City**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:14:30

Time Test Ended: 13:11:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 3325 Great Bend/42

Interval: **3410.00 ft (KB) To 3488.00 ft (KB) (TVD)**

Reference Elevations: 2019.00 ft (KB)

Total Depth: 3488.00 ft (KB) (TVD)

2008.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6999 Outside

Press @ RunDepth: 124.59 psia @ 3484.94 ft (KB)

Capacity: psia

Start Date: 2012.10.03

End Date: 2012.10.03

Last Calib.: 1899.12.30

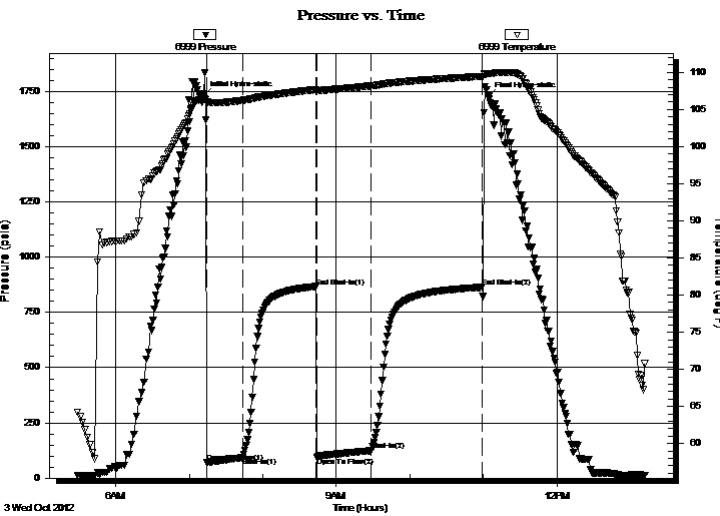
Start Time: 05:28:00

End Time: 13:11:30

Time On Btm: 2012.10.03 @ 07:12:00

Time Off Btm: 2012.10.03 @ 11:04:00

TEST COMMENT: 1ST Open 30 Minutes/Good blow/Blow built to bottom of bucket in 7 1/2 minutes
 1ST Shut In 60 Minutes/No blow back
 2ND Open 45 Minutes/Good blow/Blow built to bottom of bucket in 3 minutes
 2ND Shut In 90 Minutes/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1729.09	106.33	Initial Hydro-static
3	70.07	105.98	Open To Flow (1)
32	92.30	106.22	Shut-In(1)
92	867.63	107.68	End Shut-In(1)
93	93.14	107.55	Open To Flow (2)
137	124.59	108.18	Shut-In(2)
227	863.65	109.47	End Shut-In(2)
232	1724.38	109.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Gassy Emulcified oil cut Mud	0.63
0.00	Gas 20% Emulcified oil 35% Mud 45%	0.00
90.00	Slightly oil cut Mud	1.26
0.00	Oil 2% Mud 98%	0.00
0.00	405 feet of gas in pipe	0.00

Gas Rates

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



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TOOL DIAGRAM

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Tool Information

Drill Pipe:	Length: 3410.00 ft	Diameter: 3.80 inches	Volume: 47.83 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: 80000.00 lb
			<u>Total Volume: 47.83 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3410.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	77.94 ft			
Tool Length:	104.94 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			3388.00	
Hydraulic Tool	5.00			3393.00	
Jars	5.00			3398.00	
Safety Joint	2.00			3400.00	
Packer	5.00			3405.00	27.00 Bottom Of Top Packer
Packer	5.00			3410.00	
Perforations	6.00			3416.00	
Change Over Sub	0.75			3416.75	
Drill Pipe	31.44			3448.19	
Change Over Sub	0.75			3448.94	
Anchor	34.00			3482.94	
Recorder	1.00	6749	Inside	3483.94	
Recorder	1.00	6999	Outside	3484.94	
Bullnose	3.00			3487.94	77.94 Bottom Packers & Anchor

Total Tool Length: 104.94



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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: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 4500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	Gassy Emulcified oil cut Mud	0.631
0.00	Gas 20% Emulcified oil 35% Mud 45%	0.000
90.00	Slightly oil cut Mud	1.262
0.00	Oil 2% Mud 98%	0.000
0.00	405 feet of gas in pipe	0.000

Total Length: 135.00 ft Total Volume: 1.893 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

