



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: 2012.10.02 @ 08:16:00

End Date: 2012.10.02 @ 16:20:00

Job Ticket #: 17840 DST #: 1

Superior Testers Enterprises LLC
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Test Start: 2012.10.02 @ 08:16:00

GENERAL INFORMATION:

Formation: **Lansing/Kansas City**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:28:30

Time Test Ended: 16:20:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 3325 Great Bend/56

Interval: **3330.00 ft (KB) To 3410.00 ft (KB) (TVD)**

Total Depth: 3410.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Fair

Reference Elevations: 2019.00 ft (KB)

2008.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6749

Inside

Press @ Run Depth: 81.87 psia @ 3405.94 ft (KB)

Start Date: 2012.10.02

End Date: 2012.10.02

Start Time: 08:16:00

End Time: 16:20:00

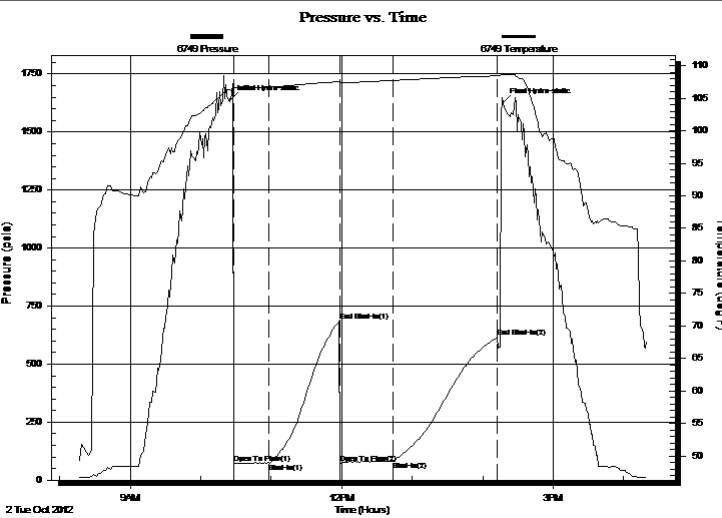
Capacity: 5000.00 psia

Last Calib.: 2012.10.02

Time On Btm: 2012.10.02 @ 10:25:30

Time Off Btm: 2012.10.02 @ 14:17:30

TEST COMMENT: 1ST Open 30 Minutes/Fair blow /Blow built to 7 inches in bucket of water
1ST Shut In 60 Minutes/No blow back
2ND Open 45 Minutes/Good blow /Blow built to bottom of bucket in 29 minutes
2ND Shut In 90 Minutes/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1639.24	106.24	Initial Hydro-static
3	72.11	106.61	Open To Flow (1)
33	74.55	106.71	Shut-In(1)
93	686.72	107.56	End Shut-In(1)
93	72.05	107.39	Open To Flow (2)
138	81.87	107.75	Shut-In(2)
227	615.26	108.45	End Shut-In(2)
233	1628.30	108.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Oil cut Mud	0.63
0.00	Oil 2% Mud 98%	0.00
0.00	225 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: 3311.00 ft	Diameter: 3.80 inches	Volume: 46.44 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: 75000.00 lb
			<u>Total Volume: 46.44 bbl</u>	Tool Chased 3.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3330.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	79.94 ft			
Tool Length:	106.94 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3308.00	
Hydraulic Tool	5.00			3313.00	
Jars	5.00			3318.00	
Safety Joint	2.00			3320.00	
Packer	5.00			3325.00	27.00 Bottom Of Top Packer
Packer	5.00			3330.00	
Perforations	2.00			3332.00	
Change Over Sub	0.75			3332.75	
Drill Pipe	31.44			3364.19	
Change Over Sub	0.75			3364.94	
Anchor	40.00			3404.94	
Recorder	1.00	6749	Inside	3405.94	
Recorder	1.00	6999	Outside	3406.94	
Bullnose	3.00			3409.94	79.94 Bottom Packers & Anchor

Total Tool Length: 106.94



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 58.00 sec/qt
Water Loss: 7.20 in³
Resistivity: ohm.m
Salinity: 4500.00 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
45.00	Oil cut Mud	0.631
0.00	Oil 2% Mud 98%	0.000
0.00	225 feet of Gas in pipe	0.000

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:

