



DRILL STEM TEST REPORT

Prepared For: **FG Holl Company LLC**

9431 East Central
Suite 100
Wichita, Kansas 67206+2563

ATTN: Frank Greenbaum

Cantrell Unit #1-26

26/17S/15W/Barton

Start Date: 2012.09.23 @ 07:58:00

End Date: 2012.09.23 @ 15:00:00

Job Ticket #: 17838 DST #: 6

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

Printed: 2012.09.23 @ 15:23:02



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Test Start: 2012.09.23 @ 07:58:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:31:30

Time Test Ended: 15:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 3325 Great Bend/40

Interval: **3584.00 ft (KB) To 3592.00 ft (KB) (TVD)**

Reference Elevations: 2023.00 ft (KB)

Total Depth: 3592.00 ft (KB) (TVD)

2012.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: **6749**

Inside

Press @ Run Depth: 675.85 psia @ 3588.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.09.23

End Date: 2012.09.23

Last Calib.: 2012.09.23

Start Time: 07:58:00

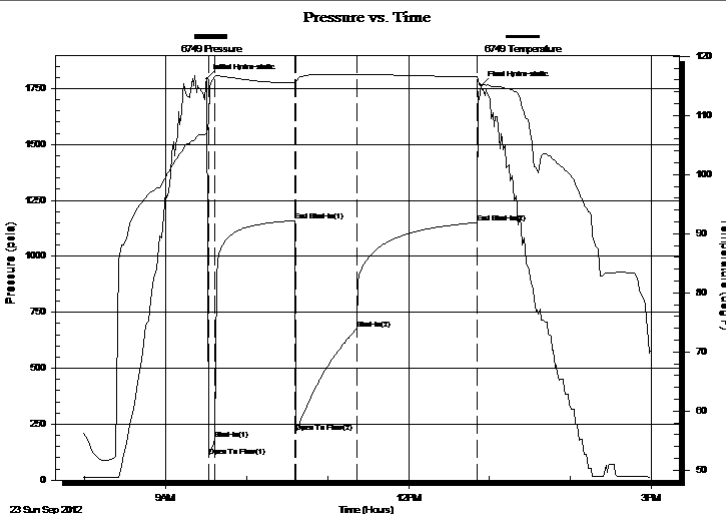
End Time: 15:00:00

Time On Btm: 2012.09.23 @ 09:30:30

Time Off Btm: 2012.09.23 @ 12:53:30

TEST COMMENT: 1ST Open 5 Minutes/Strong blow /Blow built to bottom of bucket in 2 minutes
1ST Shut In 60 Minutes/Blow back built to 1/2 inch
2ND Open 45 Minutes/Strong blow /Blow built to bottom of bucket in 2 minutes
2ND Shut In 90 Minutes/No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1793.16	106.94	Initial Hydro-static
1	105.26	109.18	Open To Flow (1)
6	181.02	116.54	Shut-In(1)
66	1159.74	115.49	End Shut-In(1)
66	216.08	115.71	Open To Flow (2)
112	675.85	116.84	Shut-In(2)
201	1150.32	116.56	End Shut-In(2)
204	1763.65	115.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1440.00	Slightly gassy Muddy Water	20.20
0.00	Gas 5% Mud 5% Water 90%	0.00
0.00	Recov. Chlorides 39000 ppm	0.00
0.00	Recov. Resist. .19 ohms @ 74 deg.	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: 3563.00 ft	Diameter: 3.80 inches	Volume: 49.98 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: 49.98 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3584.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	8.00 ft			
Tool Length:	35.00 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			3562.00	
Hydraulic Tool	5.00			3567.00	
Jars	5.00			3572.00	
Safety Joint	2.00			3574.00	
Packer	5.00			3579.00	27.00 Bottom Of Top Packer
Packer	5.00			3584.00	
Anchor	3.00			3587.00	
Recorder	1.00	6749	Inside	3588.00	
Recorder	1.00	6999	Outside	3589.00	
Bullnose	3.00			3592.00	8.00 Bottom Packers & Anchor
Total Tool Length:	35.00				



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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: 55.00 sec/qt
Water Loss: 6.80 in³
Resistivity: ohm.m
Salinity: 4600.00 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
1440.00	Slightly gassy Muddy Water	20.199
0.00	Gas 5% Mud 5% Water 90%	0.000
0.00	Recov. Chlorides 39000 ppm	0.000
0.00	Recov. Resist. .19 ohms @ 74 deg.	0.000

Total Length: 1440.00 ft Total Volume: 20.199 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

