



DRILL STEM TEST REPORT

Prepared For: **FG Holl Company LLC**

9431 East Central
Suite 100
Wichita, Kansas 67206+2563

ATTN: Renee Husted

Oetken A #2-32

32/19S/16W/Rush

Start Date: 2012.06.30 @ 22:34:00

End Date: 2012.07.01 @ 06:18:30

Job Ticket #: 17655 DST #: 3

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

Printed: 2012.07.01 @ 06:33:00



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GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 00:57:30
 Tester: Ken Swinney
 Time Test Ended: 06:18:30
 Unit No: 3325 Great Bend/34
 Interval: **3793.00 ft (KB) To 3803.00 ft (KB) (TVD)**
 Reference Elevations: 2056.00 ft (KB)
 Total Depth: 3803.00 ft (KB) (TVD)
 2048.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 8.00 ft

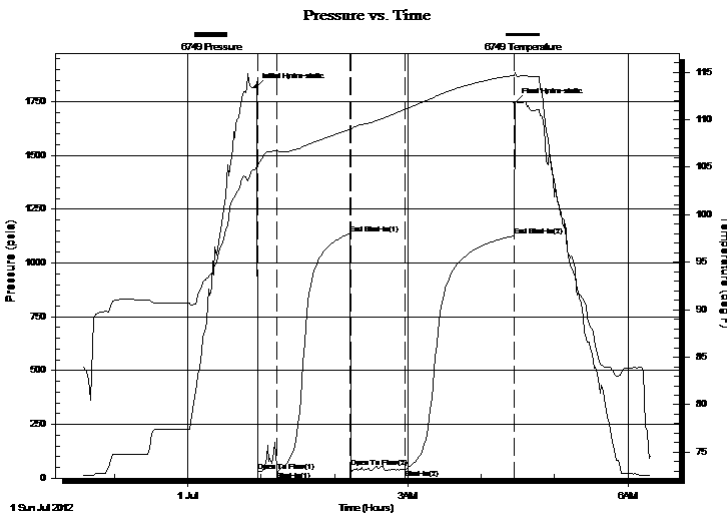
Serial #: 6749

Inside

Press @ Run Depth: 40.03 psia @ 3799.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.06.30 End Date: 2012.07.01 Last Calib.: 2012.07.01
 Start Time: 22:34:00 End Time: 06:18:30 Time On Btm: 2012.07.01 @ 00:55:30
 Time Off Btm: 2012.07.01 @ 04:27:30

TEST COMMENT: 1ST Open 15 Minutes/Weak blow/Blow built to 3/4 inch
 1ST Shut In 60 Minutes/No blow back
 2ND Open 45 Minutes/Fair blow/Blow built to 5 inches
 2ND Shut In 90 Minutes/No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1816.24	104.78	Initial Hydro-static
2	29.56	105.18	Open To Flow (1)
18	32.60	106.72	Shut-In(1)
77	1136.74	108.98	End Shut-In(1)
78	51.66	108.91	Open To Flow (2)
122	40.03	111.06	Shut-In(2)
212	1126.31	114.68	End Shut-In(2)
212	1744.38	114.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Oily Mud	0.44
0.00	Oil 30% Mud 70%	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: 3796.00 ft	Diameter: 3.88 inches	Volume: 55.51 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: 38000.00 lb
			<u>Total Volume: 55.51 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	3793.00 ft			Final 30000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	32.00 ft			
Number of Packers:	1	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			3776.00	
Hydraulic Tool	5.00			3781.00	
Jars	5.00			3786.00	
Safety Joint	2.00			3788.00	
Packer	5.00			3793.00	22.00 Bottom Of Top Packer
Anchor	5.00			3798.00	
Recorder	1.00	6749	Inside	3799.00	
Recorder	1.00	6999	Outside	3800.00	
Bullnose	3.00			3803.00	10.00 Anchor Tool
Total Tool Length:	32.00				



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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: 58.00 sec/qt
Water Loss: 8.39 in³
Resistivity: ohm.m
Salinity: 5800.00 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
30.00	Oily Mud	0.439
0.00	Oil 30% Mud 70%	0.000

Total Length: 30.00 ft Total Volume: 0.439 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

