



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: 2012.06.29 @ 20:19:00

End Date: 2012.06.30 @ 03:32:30

Job Ticket #: 17653 DST #: 1

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

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32/19S/16W/Rush

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ATTN: Renee Husted

Oetken A #2-32

Job Ticket: 17653

DST#: 1

Test Start: 2012.06.29 @ 20:19:00

GENERAL INFORMATION:

Formation: **Lansing KC zone K,L/**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:13:00

Time Test Ended: 03:32:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 3325 Great Bend/34

Interval: 3666.00 ft (KB) To 3792.00 ft (KB) (TVD)

Reference Elevations: 2056.00 ft (KB)

Total Depth: 3792.00 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: 1199.25 psia @ 3787.49 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.06.29

End Date: 2012.06.30

Last Calib.: 2012.06.30

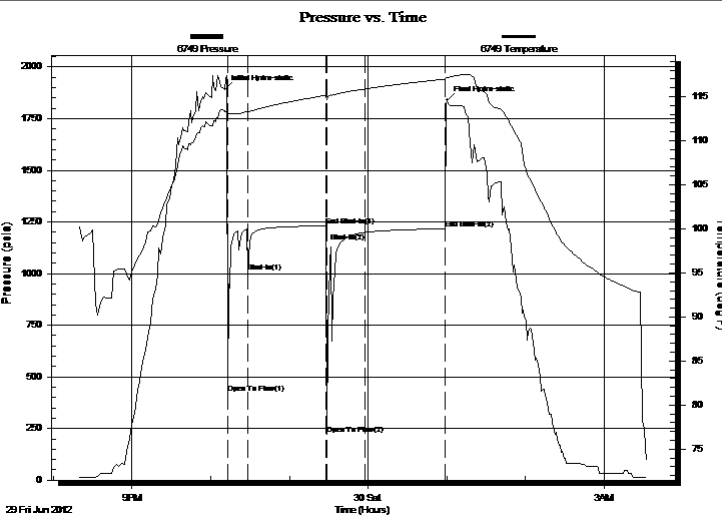
Start Time: 20:19:00

End Time: 03:32:30

Time On Btm: 2012.06.29 @ 22:11:00

Time Off Btm: 2012.06.30 @ 01:00:30

TEST COMMENT: 1ST Open 15 Minutes/Weak blow /Blow built to 1 inch then died to 3/4 inch
1ST Shut In 60 Minutes/No blow back
2ND Open 30 Minutes/Weak blow /Blow built to 2 1/2 inches then died to weak surface blow
2ND Shut In 60 Minutes/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1891.89	113.33	Initial Hydro-static
2	421.78	113.01	Open To Flow (1)
18	1010.14	113.28	Shut-In(1)
77	1231.17	115.11	End Shut-In(1)
78	223.43	114.66	Open To Flow (2)
107	1199.25	115.87	Shut-In(2)
168	1217.14	116.96	End Shut-In(2)
170	1838.40	117.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Oil cut Gassy Mud	0.63
0.00	Oil 2% Gas 8% Mud 90%	0.00

Gas Rates

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



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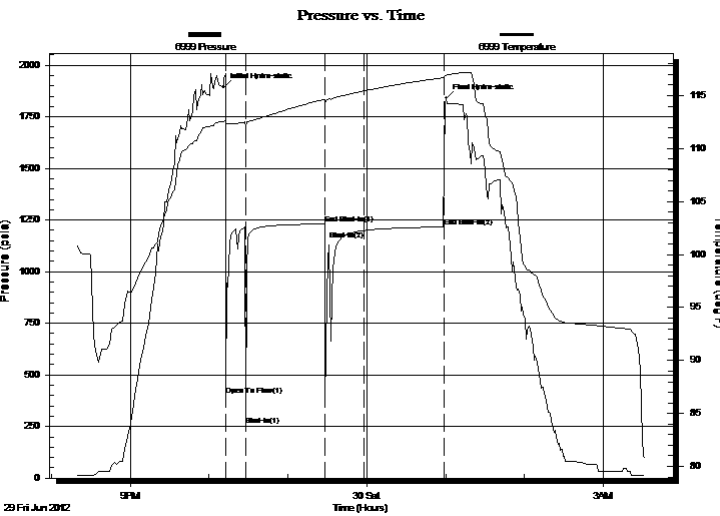
32/19S/16W/Rush
Oetken A #2-32
 Job Ticket: 17653 **DST#: 1**
 Test Start: 2012.06.29 @ 20:19:00

GENERAL INFORMATION:

Formation: **Lansing KC zone K,L/**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:13:00
 Time Test Ended: 03:32:30
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 3325 Great Bend/34
 Interval: **3666.00 ft (KB) To 3792.00 ft (KB) (TVD)**
 Reference Elevations: 2056.00 ft (KB)
 Total Depth: 3792.00 ft (KB) (TVD) 2048.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 6999 Outside
 Press @ Run Depth: 1217.06 psia @ 3788.49 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.06.29 End Date: 2012.06.30 Last Calib.: 2012.06.30
 Start Time: 20:19:00 End Time: 03:32:00 Time On Btm: 2012.06.29 @ 22:11:00
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TEST COMMENT: 1ST Open 15 Minutes/Weak blow /Blow built to 1 inch then died to 3/4 inch
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PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1892.04	112.55	Initial Hydro-static
2	401.93	112.23	Open To Flow (1)
17	255.34	112.11	Shut-In(1)
77	1230.76	114.65	End Shut-In(1)
107	1199.45	115.44	Shut-In(2)
168	1217.06	116.68	End Shut-In(2)
170	1838.95	116.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Oil cut Gassy Mud	0.63
0.00	Oil 2% Gas 8% Mud 90%	0.00

Gas Rates

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



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TOOL DIAGRAM

FG Holl Company LLC

32/19S/16W/Rush

9431 East Central
Suite 100
Wichita, Kansas 67206+2563
ATTN: Renee Husted

Oetken A #2-32

Job Ticket: 17653

DST#: 1

Test Start: 2012.06.29 @ 20:19:00

Tool Information

Drill Pipe:	Length: 3667.00 ft	Diameter: 3.80 inches	Volume: 51.44 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: 43000.00 lb
			<u>Total Volume: 51.44 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	3666.00 ft			Final 30000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	125.49 ft			
Tool Length:	152.49 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			3644.00	
Hydraulic Tool	5.00			3649.00	
Jars	5.00			3654.00	
Safety Joint	2.00			3656.00	
Packer	5.00			3661.00	27.00 Bottom Of Top Packer
Packer	5.00			3666.00	
Perforations	4.00			3670.00	
Change Over Sub	0.65			3670.65	
Drill Pipe	95.19			3765.84	
Change Over Sub	0.65			3766.49	
Anchor	20.00			3786.49	
Recorder	1.00	6749	Inside	3787.49	
Recorder	1.00	6999	Outside	3788.49	
Bullnose	3.00			3791.49	125.49 Bottom Packers & Anchor

Total Tool Length: 152.49



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FLUID SUMMARY

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Job Ticket: 17653

DST#: 1

Test Start: 2012.06.29 @ 20:19:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 50.00 sec/qt
Water Loss: 9.19 in³
Resistivity: ohm.m
Salinity: 5200.00 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 Gassy Mud	0.631
0.00	Oil 2% Gas 8% Mud 90%	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:

