



DRILL STEM TEST REPORT

Prepared For: **FG Holl Company LLC**

9431 East Central
Suite 100
Wichita, Kansas 67206+2563

ATTN: Renee Husted

Anshutz "B"

10/21S/14W/Stafford

Start Date: 2013.09.18 @ 06:52:00

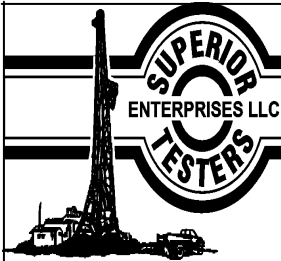
End Date: 2013.09.18 @ 13:32:00

Job Ticket #: 18151 DST #: 1

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

Printed: 2013.09.18 @ 13:53:36

FG Holl Company LLC
10/21S/14W/Stafford
Anshutz "B"
DST # 1
Lansing/Kansas City
2013.09.18



DRILL STEM TEST REPORT

FG Holl Company LLC

10/21S/14W/Stafford

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Anshutz "B"

Job Ticket: 18151

DST#: 1

Test Start: 2013.09.18 @ 06:52:00

GENERAL INFORMATION:

Formation: **Lansing/Kansas City**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:26:30

Time Test Ended: 13:32:00

Interval: **3478.00 ft (KB) To 3504.00 ft (KB) (TVD)**

Total Depth: 3504.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 3325 Great Bend/30

Reference Elevations: 1938.00 ft (KB)

1931.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 6749

Inside

Press @ Run Depth: 69.42 psia @ 3500.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.09.18

End Date: 2013.09.18

Last Calib.: 2013.09.18

Start Time: 06:52:00

End Time: 13:32:00

Time On Btm: 2013.09.18 @ 08:25:30

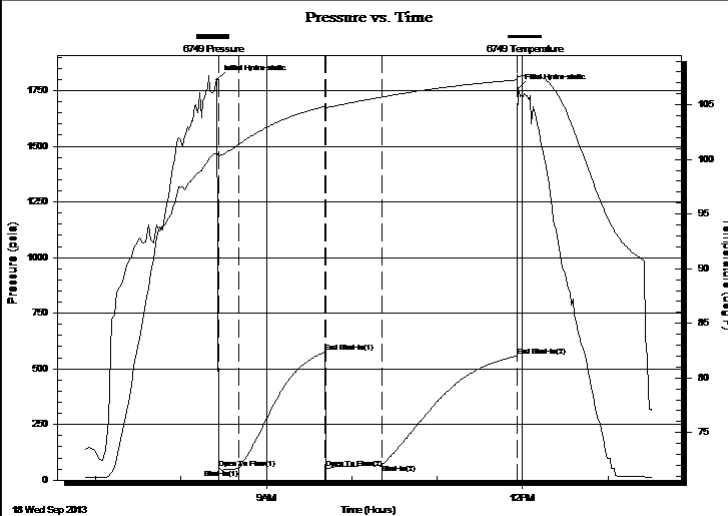
Time Off Btm: 2013.09.18 @ 11:57:00

TEST COMMENT: 1ST Open 15 Minutes/Good blow/Blow built to bottom of bucket in 6 minutes 30 seconds

1ST Shut In 60 Minutes/No blow back

2ND Open 45 Minutes/Strong blow/Blow built to bottom of bucket in 45 seconds

2ND Shut In 90 Minutes/Slight surface blow back



PRESSURE SUMMARY

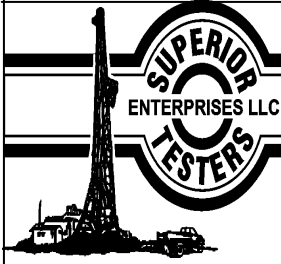
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1797.20	100.63	Initial Hydro-static
1	52.39	100.30	Open To Flow (1)
15	50.96	101.34	Shut-In(1)
76	574.45	104.84	End Shut-In(1)
77	52.08	104.74	Open To Flow (2)
116	69.42	105.70	Shut-In(2)
211	558.47	107.27	End Shut-In(2)
212	1759.83	107.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	Watery Muddy Emulsified Oil	1.74
0.00	Water 25% Mud 30% Oil 45%	0.00
0.00	372 feet of gas in pipe	0.00

Gas Rates

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



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TOOL DIAGRAM

FG Holl Company LLC

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Job Ticket: 18151

DST#: 1

Test Start: 2013.09.18 @ 06:52:00

Tool Information

Drill Pipe:	Length: 3471.00 ft	Diameter: 3.80 inches	Volume: 48.69 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: 55000.00 lb
			<u>Total Volume: 48.69 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3478.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	53.00 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			3456.00	
Hydraulic Tool	5.00			3461.00	
Jars	5.00			3466.00	
Safety Joint	2.00			3468.00	
Packer	5.00			3473.00	27.00 Bottom Of Top Packer
Packer	5.00			3478.00	
Anchor	21.00			3499.00	
Recorder	1.00	6749	Inside	3500.00	
Recorder	1.00	6666	Outside	3501.00	
Bullnose	3.00			3504.00	26.00 Bottom Packers & Anchor
Total Tool Length:	53.00				



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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: 60.00 sec/qt
Water Loss: 8.79 in³
Resistivity: ohm.m
Salinity: 6300.00 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
124.00	Watery Muddy Emulsified Oil	1.739
0.00	Water 25% Mud 30% Oil 45%	0.000
0.00	372 feet of gas in pipe	0.000

Total Length: 124.00 ft Total Volume: 1.739 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Unable to obtain clean water sample for chlorides

