



DRILL STEM TEST REPORT

Prepared For: **FG Holl Company L.L.C**

9431 E Central Ste 100 Wichita KS
67206+2563

ATTN: Rene Husted

Lang?Bahr Unit #2-26

26-17s-15w Barton

Start Date: 2013.11.06 @ 15:43:00

End Date: 2013.11.06 @ 21:07:00

Job Ticket #: 18453 DST #: 1

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

Printed: 2013.11.06 @ 21:19:39



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DST#: 1

Test Start: 2013.11.06 @ 15:43:00

GENERAL INFORMATION:

Formation: **Lansing A B C D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:19:30

Time Test Ended: 21:07:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320- Great Bend- 60

Interval: 3284.00 ft (KB) To 3355.00 ft (KB) (TVD)

Reference Elevations: 2000.00 ft (KB)

Total Depth: 3355.00 ft (KB) (TVD)

1992.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8159

Press@RunDepth: 72.05 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.11.06

End Date: 2013.11.06

Last Calib.: 2013.11.06

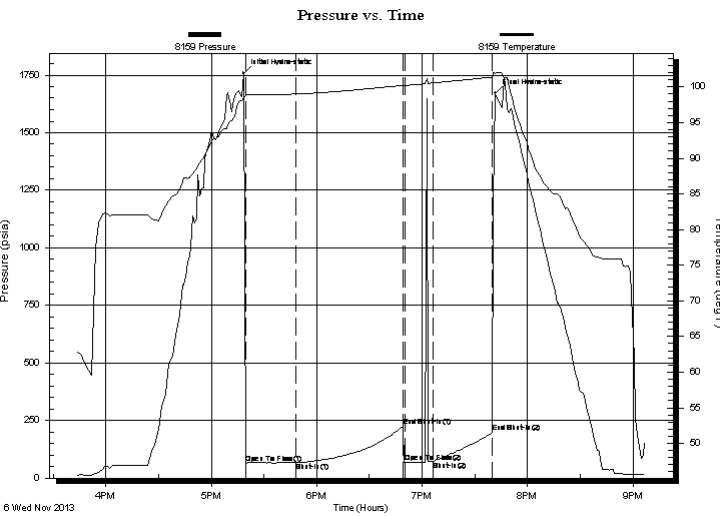
Start Time: 15:43:00

End Time: 21:07:00

Time On Btm: 2013.11.06 @ 17:18:30

Time Off Btm: 2013.11.06 @ 19:41:30

TEST COMMENT: 1st Opening 30 Minutes-Weak blow built 3/4 inch into bucket in 30 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 15 minutes-No blow flushed tool w weak surge did not build
 2nd Shut-in 30 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1758.32	98.58	Initial Hydro-static
1	66.33	98.77	Open To Flow (1)
30	69.01	99.01	Shut-In(1)
91	226.38	100.23	End Shut-In(1)
92	69.32	100.20	Open To Flow (2)
108	72.05	100.56	Shut-In(2)
142	198.34	101.38	End Shut-In(2)
143	1671.21	101.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud	0.28

Gas Rates

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



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TOOL DIAGRAM

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DST#: 1

ATTN: Rene Hustedad

Test Start: 2013.11.06 @ 15:43:00

Tool Information

Drill Pipe:	Length: 3282.00 ft	Diameter: 3.80 inches	Volume: 46.04 bbl	Tool Weight: 1000.00 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: 53000.00 lb
			<u>Total Volume: 46.04 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3284.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	71.00 ft			
Tool Length:	99.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

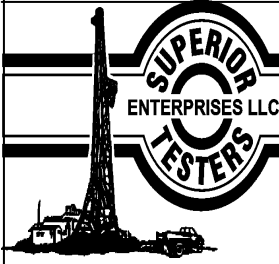
Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3261.00	
Hydraulic Tool	5.00			3266.00	
Jars	6.00			3272.00	
Safety Joint	2.00			3274.00	
Packer	5.00			3279.00	28.00 Bottom Of Top Packer
Packer	5.00			3284.00	
Anchor	0.00			3284.00	
Change Over Sub	0.75			3284.75	
Drill Pipe	31.50			3316.25	
Change Over Sub	0.75			3317.00	
Anchor	33.00			3350.00	
Recorder	1.00	6731	Inside	3351.00	
Recorder	1.00	8159	Outside	3352.00	
Bullnose	3.00			3355.00	71.00 Bottom Packers & Anchor

Total Tool Length: 99.00



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FLUID SUMMARY

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Test Start: 2013.11.06 @ 15:43:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 6100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	mud	0.281

Total Length: 20.00 ft Total Volume: 0.281 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

