



## DRILL STEM TEST REPORT

Prepared For: **F.G Holl Company L.L.C**

9431 E Central St # 100 Wichita KS 67206

ATTN: Ryan Greenbaum

### **Zimmer #1-20**

### **20-19s-14w Barton**

Start Date: 2014.07.10 @ 08:55:00

End Date: 2014.07.10 @ 15:42:30

Job Ticket #: 19305                      DST #: 4

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

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**20-19s-14w Barton**

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Job Ticket: 19305

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ATTN: Ryan Greenbaum

Test Start: 2014.07.10 @ 08:55:00

## GENERAL INFORMATION:

Formation: **LKC "J" zone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:15:00

Time Test Ended: 15:42:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3340-Great Bend-25

**Interval: 3380.00 ft (KB) To 3400.00 ft (KB) (TVD)**

Reference Elevations: 1901.00 ft (KB)

Total Depth: 3400.00 ft (KB) (TVD)

1893.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

## Serial #: 8524

Press@RunDepth: 46.65 psig @ ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.07.10

End Date: 2014.07.10

Last Calib.: 2014.07.10

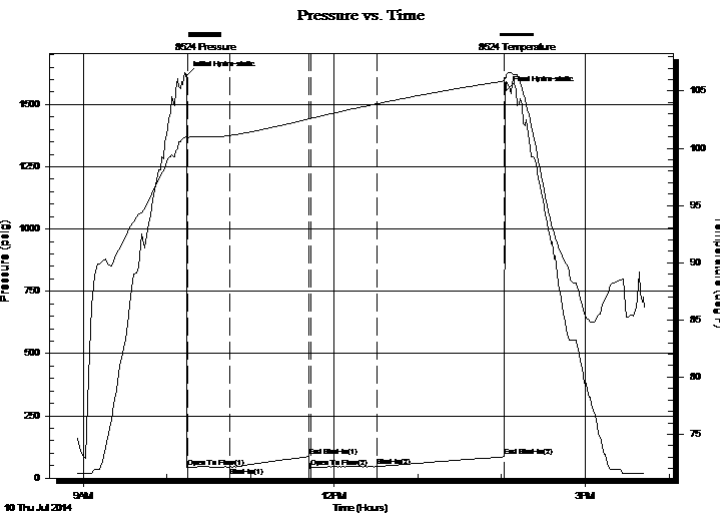
Start Time: 08:55:00

End Time: 15:42:30

Time On Btm: 2014.07.10 @ 10:14:00

Time Off Btm: 2014.07.10 @ 14:03:00

**TEST COMMENT:** 1st Opening 30 Minutes-Very weak blow built 2 inches into water in 30 minutes  
 1st Shut-in 60 Minutes-No blow back  
 2nd Opening 45 Minutes-Very weak blow built 3 inches into water in 45 minutes  
 2nd Shut-in 90 Minutes-No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1617.72	101.11	Initial Hydro-static
1	43.45	100.92	Open To Flow (1)
31	44.65	101.12	Shut-In(1)
88	86.93	102.57	End Shut-In(1)
89	41.59	102.61	Open To Flow (2)
137	46.65	103.88	Shut-In(2)
228	85.83	105.88	End Shut-In(2)
229	1557.06	106.19	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	oil mud 15%oil 85%mud	0.28

## Gas Rates

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



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Tester: Jared Scheck

Unit No: 3340-Great Bend-25

**Interval: 3380.00 ft (KB) To 3400.00 ft (KB) (TVD)**

Reference Elevations: 1901.00 ft (KB)

Total Depth: 3400.00 ft (KB) (TVD)

1893.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

## Serial #: 8400

Press@RunDepth: 80.69 psig @ ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.07.10

End Date: 2014.07.10

Last Calib.: 2014.07.10

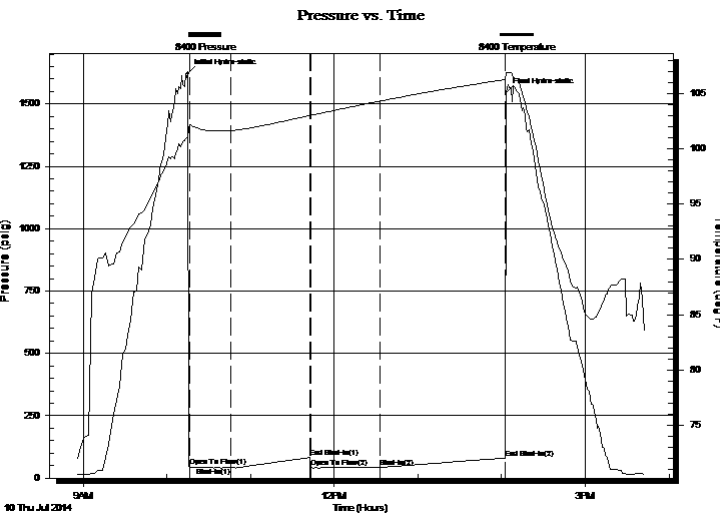
Start Time: 08:55:00

End Time: 15:43:00

Time On Btm: 2014.07.10 @ 10:15:00

Time Off Btm: 2014.07.10 @ 14:03:30

**TEST COMMENT:** 1st Opening 30 Minutes-Very weak blow built 2 inches into water in 30 minutes  
 1st Shut-in 60 Minutes-No blow back  
 2nd Opening 45 Minutes-Very weak blow built 3 inches into water in 45 minutes  
 2nd Shut-in 90 Minutes-No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1621.97	100.95	Initial Hydro-static
1	45.52	102.14	Open To Flow (1)
31	42.14	101.64	Shut-In(1)
88	82.14	103.01	End Shut-In(1)
89	42.43	103.02	Open To Flow (2)
138	43.14	104.31	Shut-In(2)
228	80.69	106.26	End Shut-In(2)
229	1546.60	106.86	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	oil mud 15%oil 85%mud	0.28

## Gas Rates

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



# DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G Holl Company L.L.C

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**Zimmer #1-20**

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**DST#: 4**

ATTN: Ryan Greenbaum

Test Start: 2014.07.10 @ 08:55:00

## Tool Information

Drill Pipe:	Length: 3372.00 ft	Diameter: 3.80 inches	Volume: 47.30 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: 80000.00 lb
			<u>Total Volume: 47.30 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3380.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	48.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3357.00	
Hydraulic tool	5.00			3362.00	
Jars	6.00			3368.00	
Safety Joint	2.00			3370.00	
Packer	5.00			3375.00	28.00 Bottom Of Top Packer
Packer	5.00			3380.00	
Anchor	4.00			3384.00	
Recorder	1.00	8525		3385.00	
Recorder	1.00	8400		3386.00	
Bullnose	14.00			3400.00	20.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>48.00</b>				



# DRILL STEM TEST REPORT

FLUID SUMMARY

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## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 47.00 sec/qt  
Water Loss: 8.80 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 4200.00 ppm  
Filter Cake: 1.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: deg API  
Water Salinity: ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	oil mud 15%oil 85%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:

### Pressure vs. Time

