



## DRILL STEM TEST REPORT

Prepared For: **F.G Holl**

9431 East Central Suite 100  
Wichita Kansas 67206

ATTN: Frank Greenbaum

**Lenkner 1-29**

**29-30s-13w-Barber**

Start Date: 2012.01.02 @ 05:14:00

End Date: 2012.01.02 @ 11:17:30

Job Ticket #: 17247                      DST #: 3

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

Printed: 2012.01.02 @ 23:44:42

F.G Holl  
29-30s-13w-Barber  
Lenkner 1-29  
DST # 3  
Douglas Sand  
2012.01.02



# DRILL STEM TEST REPORT

F.G Holl  
 9431 East Central Suite 100  
 Wichita Kansas 67206  
 ATTN: Frank Greenbaum

**29-30s-13w-Barber**  
**Lenkner 1-29**  
 Job Ticket: 17247 **DST#: 3**  
 Test Start: 2012.01.02 @ 05:14:00

## GENERAL INFORMATION:

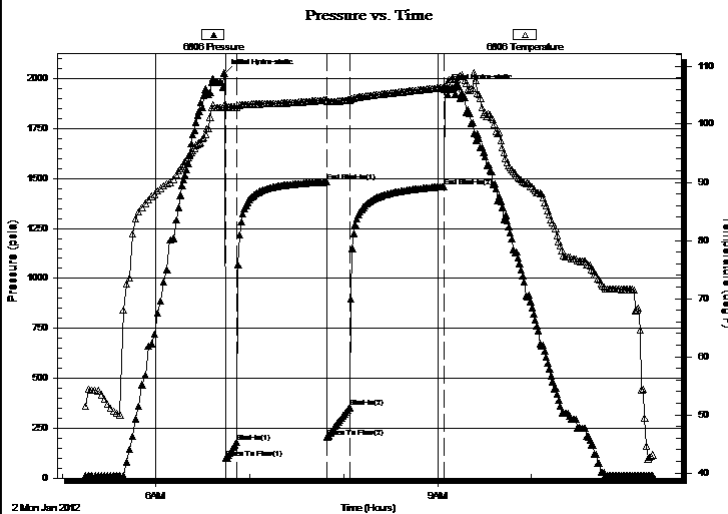
Formation: **Douglas Sand**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 06:44:30  
 Time Test Ended: 11:17:30  
 Interval: **3951.00 ft (KB) To 3990.00 ft (KB) (TVD)**  
 Total Depth: 3990.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Dustin Ellis  
 Unit No: 3315-GB-140  
 Reference Elevations: 1921.00 ft (KB)  
 1913.00 ft (CF)  
 KB to GR/CF: 8.00 ft

## Serial #: 6806

Inside

Press @ Run Depth: 355.44 psia @ 4008.19 ft (KB) Capacity: 5000.00 psia  
 Start Date: 2012.01.02 End Date: 2012.01.02 Last Calib.: 2012.01.02  
 Start Time: 05:14:00 End Time: 11:17:30 Time On Btm: 2012.01.02 @ 06:44:00  
 Time Off Btm: 2012.01.02 @ 09:04:30

TEST COMMENT: 1st Open 5 minutes Fair building blow bottom bucket in 3 minutes  
 1st Shut in 60 minutes No blow back  
 2nd Open 15 minutes Fair building blow blew bottom bucket 4 minutes  
 2nd Shut in 60 minutes No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2026.77	103.33	Initial Hydro-static
1	98.79	102.97	Open To Flow (1)
8	179.78	102.96	Shut-In(1)
65	1482.78	104.16	End Shut-In(1)
66	206.56	103.88	Open To Flow (2)
80	355.44	104.17	Shut-In(2)
140	1459.93	106.34	End Shut-In(2)
141	1947.61	106.48	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
600.00	Water cut mud 10% Mud 90% Water	8.42
0.00	Chlorides 52000	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

F.G Holl  
 9431 East Central Suite 100  
 Wichita Kansas 67206  
 ATTN: Frank Greenbaum

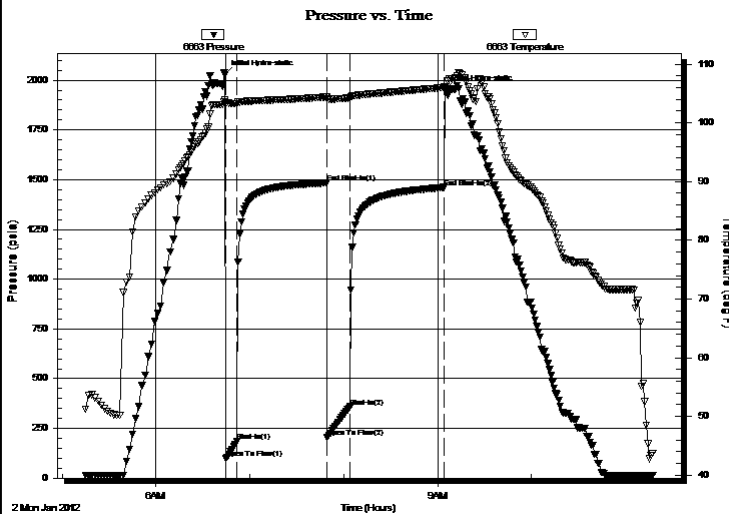
**29-30s-13w-Barber**  
**Lenkner 1-29**  
 Job Ticket: 17247 **DST#: 3**  
 Test Start: 2012.01.02 @ 05:14:00

## GENERAL INFORMATION:

Formation: **Douglas Sand**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 06:44:30 Tester: Dustin Ellis  
 Time Test Ended: 11:17:30 Unit No: 3315-GB-140  
 Interval: **3951.00 ft (KB) To 3990.00 ft (KB) (TVD)** Reference Elevations: 1921.00 ft (KB)  
 Total Depth: 3990.00 ft (KB) (TVD) 1913.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

**Serial #: 6663 Outside**  
 Press @ RunDepth: 1460.89 psia @ 4009.19 ft (KB) Capacity: 5000.00 psia  
 Start Date: 2012.01.02 End Date: 2012.01.02 Last Calib.: 2012.01.02  
 Start Time: 05:14:00 End Time: 11:18:00 Time On Btm: 2012.01.02 @ 06:44:00  
 Time Off Btm: 2012.01.02 @ 09:04:30

**TEST COMMENT:** 1st Open 5 minutes Fair building blow bottom bucket in 3 minutes  
 1st Shut in 60 minutes No blow back  
 2nd Open 15 minutes Fair building blow blew bottom bucket 4 minutes  
 2nd Shut in 60 minutes No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2026.13	103.87	Initial Hydro-static
1	98.01	103.46	Open To Flow (1)
8	183.03	103.24	Shut-In(1)
65	1483.84	104.39	End Shut-In(1)
66	206.31	104.08	Open To Flow (2)
80	358.31	104.26	Shut-In(2)
140	1460.89	106.02	End Shut-In(2)
141	1954.55	106.15	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
600.00	Water cut mud 10% Mud 90% Water	8.42
0.00	Chlorides 52000	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

F.G Holl  
 9431 East Central Suite 100  
 Wichita Kansas 67206  
 ATTN: Frank Greenbaum

**29-30s-13w-Barber**  
**Lenkner 1-29**  
 Job Ticket: 17247      **DST#: 3**  
 Test Start: 2012.01.02 @ 05:14:00

**Tool Information**

Drill Pipe:	Length: 3937.00 ft	Diameter: 3.80 inches	Volume: 55.23 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: 80000.00 lb
			<u>Total Volume: 55.23 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3951.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	61.19 ft			
Tool Length:	89.19 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Shut-In Tool	5.00			3928.00	
Hydraulic Tool	5.00			3933.00	
Jars	6.00			3939.00	
Safety Joint	2.00			3941.00	
Packer	5.00			3946.00	28.00      Bottom Of Top Packer
Packer	5.00			3951.00	
Perforations	5.00			3956.00	
Change Over Sub	0.75			3956.75	
Drill Pipe	30.69			3987.44	
Change Over Sub	0.75			3988.19	
Perforations	19.00			4007.19	
Recorder	1.00	6806	Inside	4008.19	
Recorder	1.00	6663	Outside	4009.19	
Bull Plug	3.00			4012.19	61.19      Bottom Packers & Anchor

**Total Tool Length: 89.19**



# DRILL STEM TEST REPORT

## FLUID SUMMARY

F.G Holl

**29-30s-13w-Barber**

9431 East Central Suite 100  
Wichita Kansas 67206

**Lenkner 1-29**

Job Ticket: 17247

**DST#: 3**

ATTN: Frank Greenbaum

Test Start: 2012.01.02 @ 05:14:00

### 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: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.10 ohm.m

Gas Cushion Pressure:

psia

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
600.00	Water cut mud 10% Mud 90% Water	8.416
0.00	Chlorides 52000	0.000

Total Length: 600.00 ft      Total Volume: 8.416 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

