



## 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: 2012.01.04 @ 11:00:00

End Date: 2012.01.04 @ 15:27:30

Job Ticket #: 17249                      DST #: 5

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

Printed: 2012.01.05 @ 04:54:44

F.G Holl  
29-30s-13w-Barber  
Lenkner 1-29  
DST # 5  
Marmaton  
2012.01.04



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 Wichita Kansas 67206  
 ATTN: Frank Greenbaum

**29-30s-13w-Barber**  
**Lenkner 1-29**  
 Job Ticket: 17249 **DST#: 5**  
 Test Start: 2012.01.04 @ 11:00:00

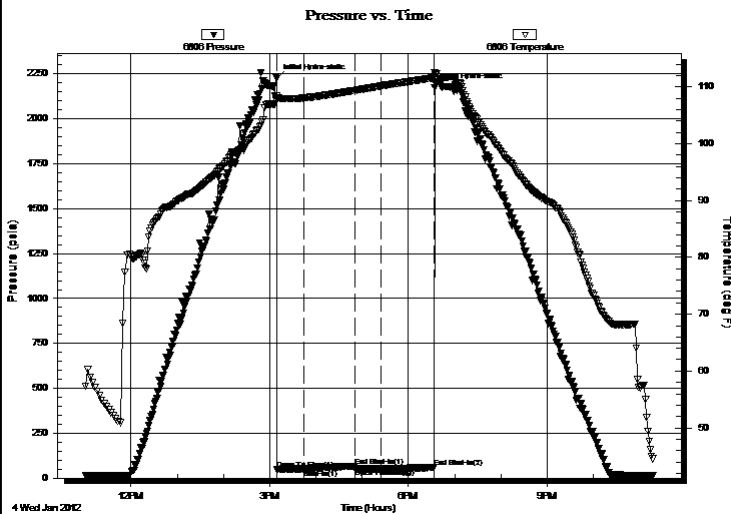
## GENERAL INFORMATION:

Formation: **Marmaton**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 15:09:30  
 Time Test Ended: 15:27:30  
 Interval: **4396.00 ft (KB) To 4440.00 ft (KB) (TVD)**  
 Total Depth: 4440.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Dustin Ellis  
 Unit No: 3315-GB-170  
 Reference Elevations: 1921.00 ft (KB)  
 1913.00 ft (CF)  
 KB to GR/CF: 8.00 ft

## Serial #: 6806

Press @ Run Depth: 52.55 psia @ ft (KB) Capacity: 5000.00 psia  
 Start Date: 2012.01.04 End Date: 2012.01.04 Last Calib.: 2012.01.05  
 Start Time: 11:00:00 End Time: 15:27:30 Time On Btm: 2012.01.04 @ 15:09:00  
 Time Off Btm: 2012.01.04 @ 18:34:00

TEST COMMENT: 1st Open 15 minutes Weak surface blow .5 inches  
 1st Shut in 30 minutes No blow back  
 2nd Open 15 minutes Weak surface blow  
 2nd Shut in 30 minutes No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2223.68	108.35	Initial Hydro-static
1	50.16	107.86	Open To Flow (1)
36	51.37	108.04	Shut-In(1)
102	67.04	109.36	End Shut-In(1)
102	51.81	109.37	Open To Flow (2)
136	52.55	110.15	Shut-In(2)
205	58.71	111.61	End Shut-In(2)
205	2174.63	112.54	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
4.00	Mud 100%	0.06

## Gas Rates

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



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**29-30s-13w-Barber**  
**Lenkner 1-29**  
 Job Ticket: 17249 **DST#: 5**  
 Test Start: 2012.01.04 @ 11:00:00

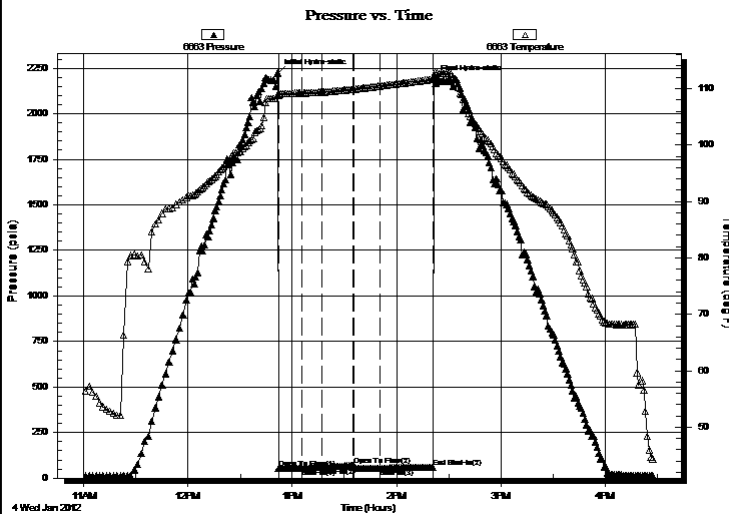
## GENERAL INFORMATION:

Formation: **Marmaton**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 15:09:30  
 Time Test Ended: 15:27:30  
 Interval: **4396.00 ft (KB) To 4440.00 ft (KB) (TVD)**  
 Total Depth: 4440.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Dustin Ellis  
 Unit No: 3315-GB-170  
 Reference Elevations: 1921.00 ft (KB)  
 1913.00 ft (CF)  
 KB to GR/CF: 8.00 ft

## Serial #: 6663

Press @ RunDepth: 60.90 psia @ ft (KB) Capacity: 5000.00 psia  
 Start Date: 2012.01.04 End Date: 2012.01.04 Last Calib.: 2012.01.05  
 Start Time: 11:00:00 End Time: 15:27:30 Time On Btm: 2012.01.04 @ 12:51:30  
 Time Off Btm: 2012.01.04 @ 14:21:30

TEST COMMENT: 1st Open 15 minutes Weak surface blow .5 inches  
 1st Shut in 30 minutes No blow back  
 2nd Open 15 minutes Weak surface blow  
 2nd Shut in 30 minutes No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2222.77	108.83	Initial Hydro-static
1	52.47	108.78	Open To Flow (1)
14	53.86	109.21	Shut-In(1)
26	60.14	109.38	Shut-In(2)
44	69.04	109.89	End Shut-In(1)
44	69.13	109.91	Open To Flow (2)
59	54.68	110.45	Shut-In(3)
90	60.90	111.66	End Shut-In(2)
90	2186.88	112.22	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
4.00	Mud 100%	0.06

## Gas Rates

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



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TOOL DIAGRAM

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

**29-30s-13w-Barber**  
**Lenkner 1-29**  
 Job Ticket: 17249      **DST#: 5**  
 Test Start: 2012.01.04 @ 11:00:00

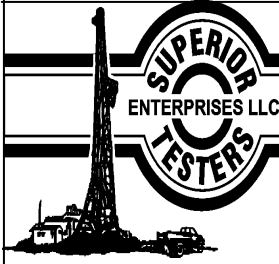
## Tool Information

Drill Pipe:	Length: 4382.00 ft	Diameter: 3.80 inches	Volume: 61.47 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: 61.47 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	4396.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	72.00 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			4373.00	
Hydraulic Tool	5.00			4378.00	
Jars	6.00			4384.00	
Safety Joint	2.00			4386.00	
Packer	5.00			4391.00	28.00      Bottom Of Top Packer
Packer	5.00			4396.00	
Perforations	39.00			4435.00	
Recorder	1.00	6806	Inside	4436.00	
Recorder	1.00	6663	Outside	4437.00	
Bull Plug	3.00			4440.00	44.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>72.00</b>				



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## FLUID SUMMARY

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Job Ticket: 17249

**DST#: 5**

ATTN: Frank Greenbaum

Test Start: 2012.01.04 @ 11:00:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.00 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
4.00	Mud 100%	0.056

Total Length: 4.00 ft      Total Volume: 0.056 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

