



## DRILL STEM TEST REPORT

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

9431 E Central Ste 100 Wichita KS 67206-2563

ATTN: Ryan Greenbaum

**Thompson # 2-30**

**30-30-13 Barber**

Start Date: 2012.07.24 @ 04:37:00

End Date: 2012.07.24 @ 10:15:30

Job Ticket #: 17371                      DST #: 2

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

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Job Ticket: 17371

**DST#: 2**

Test Start: 2012.07.24 @ 04:37:00

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:37:00

Time Test Ended: 10:15:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Pratt-

**Interval: 4320.00 ft (KB) To 4430.00 ft (KB) (TVD)**

Reference Elevations: 1826.00 ft (KB)

Total Depth: 4430.00 ft (KB) (TVD)

1813.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

## Serial #: 6731

Press @ RunDepth: 98.13 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.07.24

End Date:

2012.07.24

Last Calib.:

2012.07.24

Start Time: 04:37:00

End Time:

10:15:30

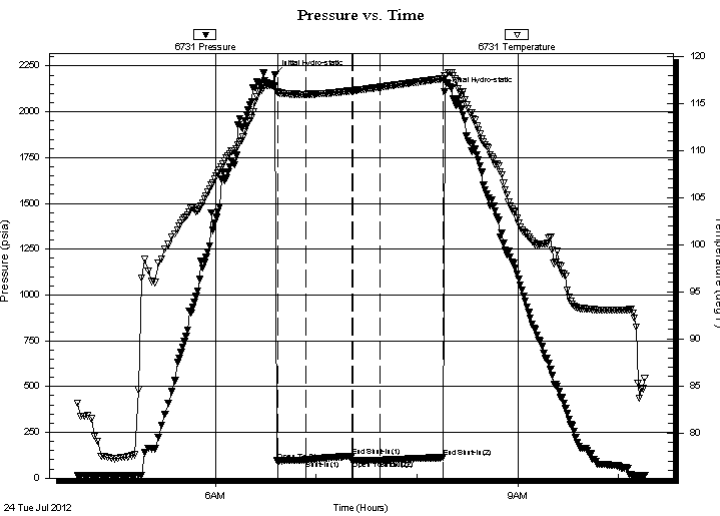
Time On Btm:

2012.07.24 @ 06:35:30

Time Off Btm:

2012.07.24 @ 08:16:30

**TEST COMMENT:** 1st Opening 15 Minutes-Weak blow built 1/2 inch into water in 15 minutes  
 1st Shut-in 30 Minutes-No blow back  
 2nd Opening 15 Minutes-Weak surface blow built 1/4 inch into water stayed steady throughout open  
 2nd Shut-in 30 Minutes-No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2203.96	116.90	Initial Hydro-static
2	93.15	116.18	Open To Flow (1)
19	99.77	115.97	Shut-In(1)
46	120.42	116.35	End Shut-In(1)
47	95.81	116.36	Open To Flow (2)
63	98.13	116.73	Shut-In(2)
100	112.63	117.64	End Shut-In(2)
101	2110.84	117.98	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud	0.05

## Gas Rates

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



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Time Test Ended: 10:15:30

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Tester: Jared Scheck

Unit No: 3320-Pratt-

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Reference Elevations: 1826.00 ft (KB)

Total Depth: 4430.00 ft (KB) (TVD)

1813.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

## Serial #: 8159

Press @ RunDepth: 113.94 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.07.24

End Date:

2012.07.24

Last Calib.:

2012.07.24

Start Time: 04:37:00

End Time:

10:16:00

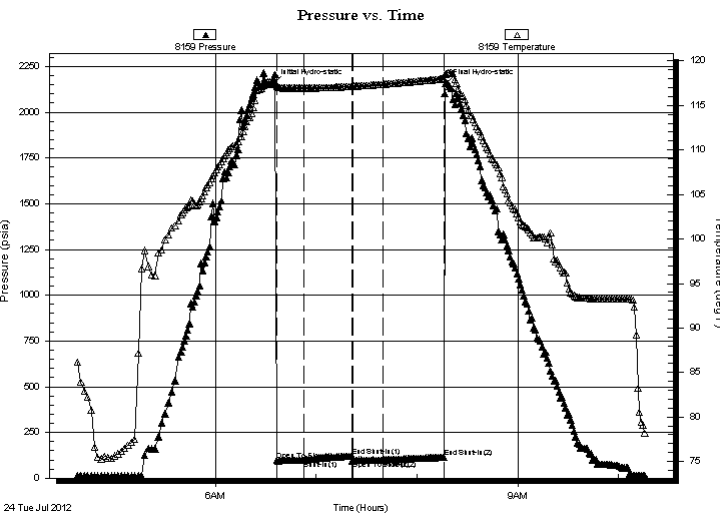
Time On Btm:

2012.07.24 @ 06:35:00

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2012.07.24 @ 08:17:00

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 2nd Opening 15 Minutes-Weak surface blow built 1/4 inch into water stayed steady throughout open  
 2nd Shut-in 30 Minutes-No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2156.65	117.69	Initial Hydro-static
2	96.33	117.11	Open To Flow (1)
18	99.00	116.94	Shut-In(1)
46	121.39	117.14	End Shut-In(1)
47	96.56	117.15	Open To Flow (2)
65	99.99	117.39	Shut-In(2)
101	113.94	117.99	End Shut-In(2)
102	2158.34	118.49	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud	0.05

## Gas Rates

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



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

F.G Holl Company

**30-30-13 Barber**

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**DST#: 2**

ATTN: Ryan Greenbaum

Test Start: 2012.07.24 @ 04:37:00

## Tool Information

Drill Pipe:	Length: 4143.00 ft	Diameter: 3.80 inches	Volume: 58.12 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 59.01 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4320.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	110.00 ft			
Tool Length:	138.00 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-InTool	5.00		Inside	4297.00	
Hydraulic Tool	5.00			4302.00	
Jars	6.00			4308.00	
Safety Joint	2.00			4310.00	
Packer	5.00			4315.00	28.00 Bottom Of Top Packer
Packer	5.00			4320.00	
Anchor	0.00			4320.00	
Change Over Sub	0.75			4320.75	
Drill Pipe	63.50		Outside	4384.25	
Change Over Sub	0.75		Outside	4385.00	
Anchor	40.00			4425.00	
Recorder	1.00	6731	Inside	4426.00	
Recorder	1.00	8159	Outside	4427.00	
Bullnose	3.00			4430.00	110.00 Bottom Packers & Anchor

**Total Tool Length: 138.00**



# DRILL STEM TEST REPORT

## FLUID SUMMARY

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### 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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud	0.049

Total Length: 10.00 ft      Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

