



## DRILL STEM TEST REPORT

Prepared For: **Shelby Resources**

2717 Canal Hays Kansas  
67601

ATTN: Ted Pfan

**H-E unit**

**11-17s-14w-Barton**

Start Date: 2012.06.06 @ 03:35:00

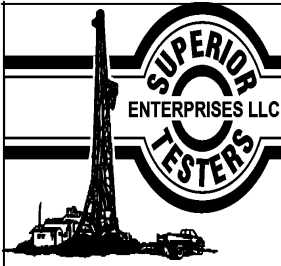
End Date: 2012.06.06 @ 10:22:00

Job Ticket #: 17678                      DST #: 2

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

Printed: 2012.06.06 @ 20:38:09





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 2717 Canal Hays Kansas  
 67601  
 ATTN: Ted Pfan

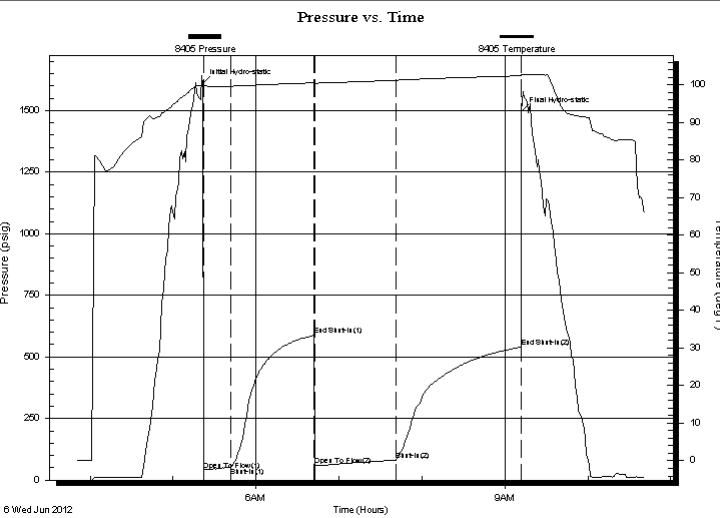
**11-17s-14w-Barton**  
**H-E unit**  
 Job Ticket: 17678      **DST#: 2**  
 Test Start: 2012.06.06 @ 03:35:00

## GENERAL INFORMATION:

Formation: **Lancing F&G**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 05:02:30 Tester: Dustin Ellis  
 Time Test Ended: 10:22:00 Unit No: 3315-Great Bend-38  
 Interval: **3225.00 ft (KB) To 3250.00 ft (KB) (TVD)** Reference Elevations: 1918.00 ft (KB)  
 Total Depth: 3250.00 ft (KB) (TVD) 1909.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

**Serial #: 8405 Inside**  
 Press @ RunDepth: 539.64 psig @ 3246.00 ft (KB) Capacity: 5000.00 psig  
 Start Date: 2012.06.06 End Date: 2012.06.06 Last Calib.: 2012.06.06  
 Start Time: 03:35:00 End Time: 10:41:00 Time On Btm: 2012.06.06 @ 05:21:30  
 Time Off Btm: 2012.06.06 @ 09:12:00

**TEST COMMENT:** 1st Open 20 minutes Fair building blow built to 5.5 inches.  
 1st Shut in 60 minutes No blow back.  
 2nd Open 60 minutes Fair building blow built to bottom bucket 51 minutes.  
 2nd Shut in 90 minutes No blow back.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1608.88	99.90	Initial Hydro-static
1	40.45	99.62	Open To Flow (1)
20	50.74	99.62	Shut-In(1)
81	587.90	100.51	End Shut-In(1)
81	58.71	100.40	Open To Flow (2)
140	80.62	101.17	Shut-In(2)
230	539.64	102.37	End Shut-In(2)
231	1495.55	102.55	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
20.00	Oil cut mudd Oil 20%Mud 80%	0.10
60.00	Oil cut muddy w ater	0.30
0.00	Oil 15% Mud 60%Water25%	0.00

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



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**TOOL DIAGRAM**

Shelby Resources  
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**Tool Information**

Drill Pipe:	Length: 2959.00 ft	Diameter: 3.80 inches	Volume: 41.51 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: 252.91 ft	Diameter: 2.25 inches	Volume: 1.24 bbl	Weight to Pull Loose: 63000.00 lb
			<u>Total Volume: 42.75 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.91 ft			String Weight: Initial 61000.00 lb
Depth to Top Packer:	3225.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	53.00 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			3202.00	
Hydraulic Tool	5.00			3207.00	
Jars	6.00			3213.00	
Safety Joint	2.00			3215.00	
Packer	5.00			3220.00	28.00      Bottom Of Top Packer
Packer	5.00			3225.00	
Anchor	20.00			3245.00	
Recorder	1.00	8405	Inside	3246.00	
Recorder	1.00	8400	Outside	3247.00	
Bull Plug	3.00			3250.00	25.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>53.00</b>				



# 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: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.60 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6300.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Oil cut mudd Oil 20%Mud 80%	0.098
60.00	Oil cut muddy w ater	0.295
0.00	Oil 15% Mud 60%Water25%	0.000

Total Length: 80.00 ft      Total Volume: 0.393 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

