



## DRILL STEM TEST REPORT

Prepared For: **Shelby Resources**

2717 Canal Blvd. Hays Kansas 67601

ATTN: Charlie Sturdavant

### **Penny 1-16**

#### **16-19s-12w-Barton**

Start Date: 2012.10.04 @ 05:40:00

End Date: 2012.10.04 @ 13:23:00

Job Ticket #: 17852                      DST #: 3

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

Printed: 2012.10.04 @ 23:43:40







# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Shelby Resources  
 2717 Canal Blvd. Hays Kansas 67601  
 ATTN: Charlie Sturdavant

**16-19s-12w-Barton**  
**Penny 1-16**  
 Job Ticket: 17852      **DST#: 3**  
 Test Start: 2012.10.04 @ 05:40:00

**Tool Information**

Drill Pipe:	Length: 3199.00 ft	Diameter: 3.80 inches	Volume: 44.87 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: 216.25 ft	Diameter: 2.25 inches	Volume: 1.06 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 45.93 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.25 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3408.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.72 ft			
Tool Length:	72.72 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			3393.00	
Hydraulic Tool	5.00			3398.00	
Packer	5.00			3403.00	20.00      Bottom Of Top Packer
Packer	5.00			3408.00	
Anchor	5.00			3413.00	
Change Over Sub	0.75			3413.75	
Drill Pipe	30.22			3443.97	
Change Over Sub	0.75			3444.72	
Anchor	11.00			3455.72	
Recorder	1.00	6663	Inside	3456.72	
Recorder	1.00	8400	Outside	3457.72	
Bull Plug	3.00			3460.72	52.72      Bottom Packers & Anchor

**Total Tool Length: 72.72**



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## 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: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.80 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 14600.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
516.00	Clean oil Oil 99% Mud 1%	5.268
186.00	Oil cut gassy mud	2.609
0.00	Gas 10% Oil 75% Mud 15%	0.000
0.00	Gravity of oil 39 corrected	0.000

Total Length: 702.00 ft      Total Volume: 7.877 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

### Pressure vs. Time



