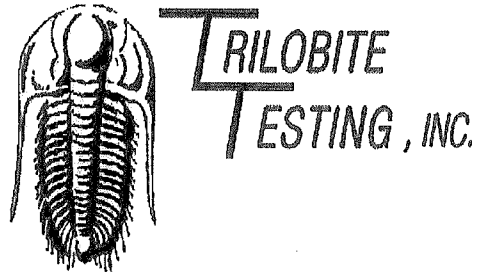


15-167-23661

6-14s-11w

IND



## DRILL STEM TEST REPORT

Prepared For: **Buffalo Resources LLC**

301 Commerce  
Ste 1380  
Ft Worth, Tx 76102

ATTN: Matthew Flanery

**6-14s-11w Russell, Ks**

**Beisel 1-6**

Start Date: 2010.09.04 @ 21:05:30

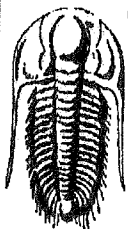
End Date: 2010.09.05 @ 04:42:30

Job Ticket #: 38514                      DST #: 1

Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

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**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Buffalo Resources LLC

**Beisel 1-6**

301 Commerce  
Ste 1380  
Ft Worth, Tx 76102  
ATTN: Matthew Flanery

**6-14s-11w Russell, Ks**  
Job Ticket: 38514      **DST#: 1**  
Test Start: 2010.09.04 @ 21:05:30

## Tool Information

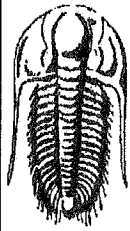
Drill Pipe:	Length: 2939.00 ft	Diameter: 3.80 inches	Volume: 41.23 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 44000.00 lb
		Total Volume: 41.23 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	2933.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	17.00 ft			
Tool Length:	45.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2906.00	
Shut In Tool	5.00			2911.00	
Hydraulic tool	5.00			2916.00	
Jars	5.00			2921.00	
Safety Joint	3.00			2924.00	
Packer	4.00			2928.00	28.00 Bottom Of Top Packer
Packer	5.00			2933.00	
Stubb	1.00			2934.00	
Recorder	0.00	8321	Inside	2934.00	
Recorder	0.00	8672	Outside	2934.00	
Perforations	13.00			2947.00	
Bullnose	3.00			2950.00	17.00 Bottom Packers & Anchor

**Total Tool Length: 45.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Buffalo Resources LLC

Beisel 1-6

301 Commerce  
Ste 1380  
Ft Worth, Tx 76102  
ATTN: Matthew Flanery

6-14s-11w Russell, Ks  
Job Ticket: 38514      DST#: 1  
Test Start: 2010.09.04 @ 21:05:30

## 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:	40000 ppm
Viscosity: 54.00 sec/l	Cushion Volume: bbl		
Water Loss: 9.19 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4500.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	HOCVM 30%O15%W55%M	0.140
31.00	SOCVM 10%O20%W70%M	0.435
0.00	137 GIP	0.000

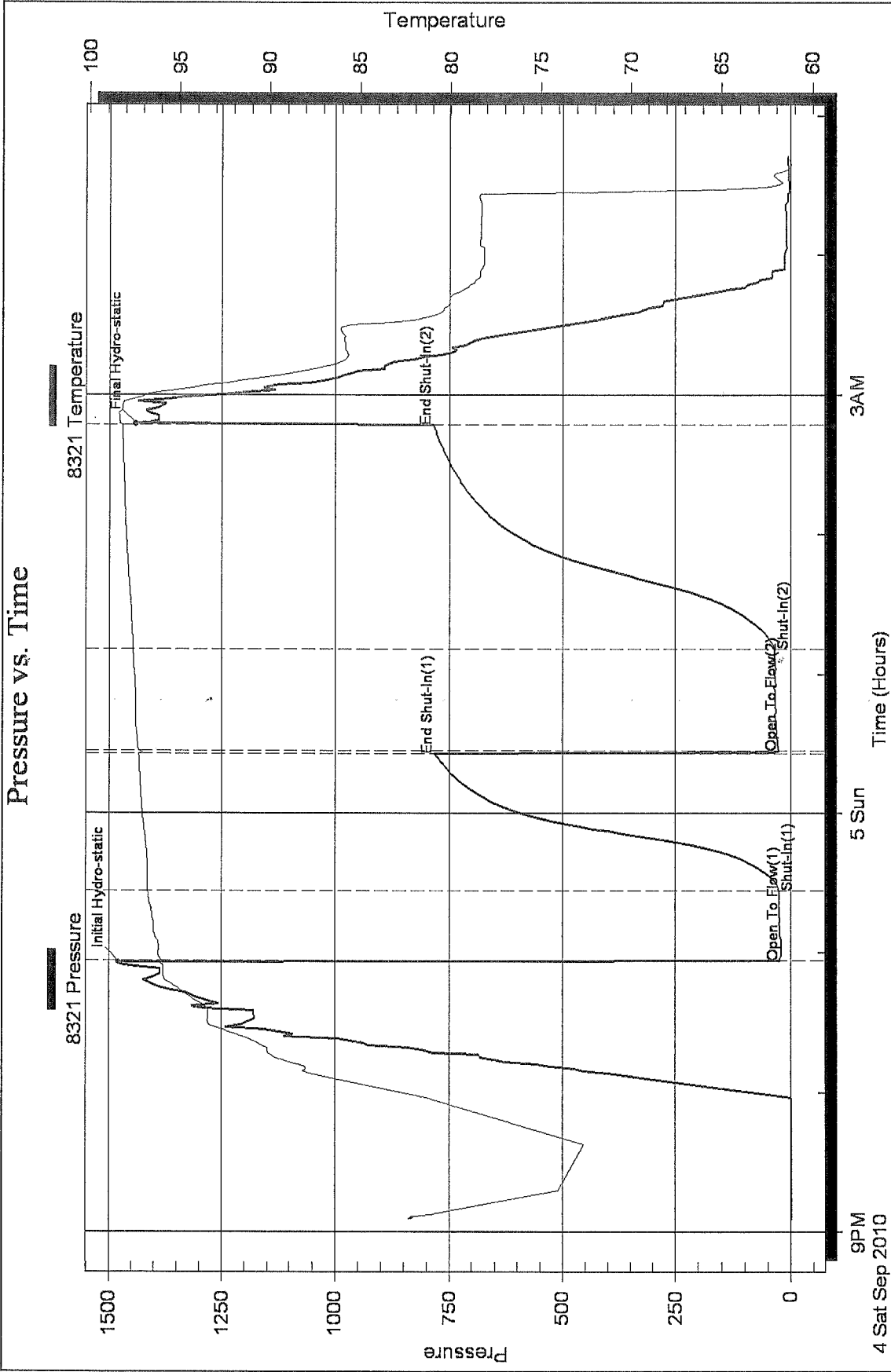
Total Length: 41.00 ft      Total Volume: 0.575 bbl

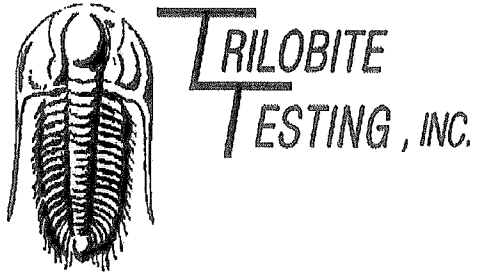
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:

### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Buffalo Resources LLC**

301 Commerce  
Ste 1380  
Ft Worth, Tx 76102

ATTN: Matthew Flanery

**6-14s-11w Russell,Ks**

**Beisel 1-6**

Start Date: 2010.09.05 @ 11:29:11

End Date: 2010.09.05 @ 18:51:41

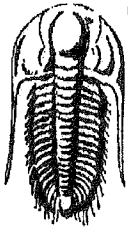
Job Ticket #: 38515                      DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Buffalo Resources LLC

**Beisel 1-6**

301 Commerce  
Ste 1380  
Ft Worth, Tx 76102  
ATTN: Matthew Flanery

**6-14s-11w Russell, Ks**  
Job Ticket: 38515      **DST#: 2**  
Test Start: 2010.09.05 @ 11:29:11

**Tool Information**

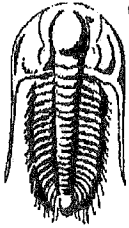
Drill Pipe:	Length: 3005.00 ft	Diameter: 3.80 inches	Volume: 42.15 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 44000.00 lb
			<u>Total Volume: 42.15 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 39000.00 lb
Depth to Top Packer:	3001.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	43.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

**Tool Description**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2974.00	
Shut In Tool	5.00			2979.00	
Hydraulic tool	5.00			2984.00	
Jars	5.00			2989.00	
Safety Joint	3.00			2992.00	
Packer	4.00			2996.00	28.00      Bottom Of Top Packer
Packer	5.00			3001.00	
Stubb	1.00			3002.00	
Perforations	1.00			3003.00	
Recorder	0.00	8321	Inside	3003.00	
Recorder	0.00	8672	Outside	3003.00	
Perforations	10.00			3013.00	
Bullnose	3.00			3016.00	15.00      Bottom Packers & Anchor

**Total Tool Length: 43.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

FLUID SUMMARY

Buffalo Resources LLC  
301 Commerce  
Ste 1380  
Ft Worth, Tx 76102  
ATTN: Matthew Flanery

**Beisel 1-6**  
**6-14s-11w Russell, Ks**  
Job Ticket: 38515      DST#: 2  
Test Start: 2010.09.05 @ 11:29:11

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 39 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 50000 ppm
Viscosity: 54.00 sec/l	Cushion Volume: bbl	
Water Loss: 9.18 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4500.00 ppm		
Filter Cake: inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	Free Gsy Oil	0.042
65.00	MW With oil spots 15%M85%W	0.912
0.00	220 GIP	0.000

Total Length: 68.00 ft      Total Volume: 0.954 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

### Pressure vs. Time

