

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co.LLC**

125 N.Market, Ste. 1000
Wichita Ks. 67202

ATTN: Curtis Covey

28-34s-11w Barber Ks

Molz#2

Start Date: 2010.08.29 @ 00:42:48

End Date: 2010.08.29 @ 10:15:33

Job Ticket #: 38801 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Woolsey Operating Co.LLC

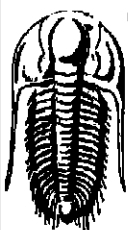
Molz#2

28-34s-11w Barber Ks

DST # 1

Miss.

2010.08.29



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Woolsey Operating Co.LLC

125 N.Market, Ste. 1000
Wichita Ks. 67202

ATTN: Curtis Covey

Molz#2

28-34s-11w Barber Ks

Job Ticket: 38801

DST#: 1

Test Start: 2010.08.29 @ 00:42:48

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 03:05:03

Time Test Ended: 10:15:33

Interval: **4626.00 ft (KB) To 4756.00 ft (KB) (TVD)**

Total Depth: **4756.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition:

Test Type: **Conventional Bottom Hole**

Tester: **Gary Pevoteaux**

Unit No: **39**

Reference Elevations: **1392.00 ft (KB)**

1382.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: 8167

Inside

Press@RunDepth: **110.82 psig @ 4627.00 ft (KB)**

Start Date: **2010.08.29**

End Date: **2010.08.29**

Start Time: **00:42:53**

End Time: **10:15:33**

Capacity: **8000.00 psig**

Last Calib.: **2010.08.29**

Time On Btm: **2010.08.29 @ 03:02:48**

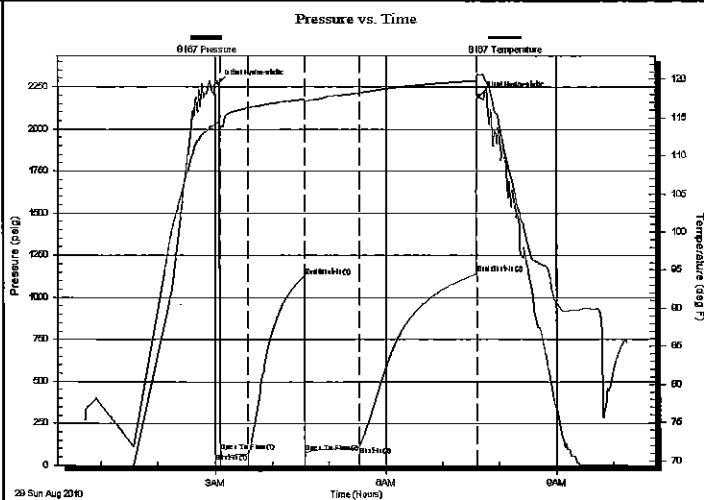
Time Off Btm: **2010.08.29 @ 07:39:03**

TEST COMMENT: IF: Strong blow . B.O.B. in 3 1/2 mins.

IS: No blow .

FF: Strong blow . B.O.B. in 22 secs. Decreased back to 7" after 60 mins.

FS: No blow .



PRESSURE SUMMARY

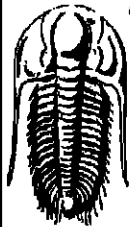
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2270.52	114.34	Initial Hydro-static
3	83.84	113.86	Open To Flow (1)
32	70.96	116.25	Shut-In(1)
91	1125.26	117.39	End Shut-In(1)
92	79.73	117.15	Open To Flow (2)
150	110.82	118.22	Shut-In(2)
273	1139.64	119.87	End Shut-In(2)
277	2200.66	120.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	SO&GCM 2%o 11%g 87%m	0.59
72.00	Drig.mud	1.01
0.00	1305 ft.of GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Co.LLC

Molz#2

125 N.Market,Ste.1000
Wichita Ks.67202

28-34s-11w Barber Ks

Job Ticket: 38801

DST#: 1

ATTN: Curtis Covey

Test Start: 2010.08.29 @ 00:42:48

Tool Information

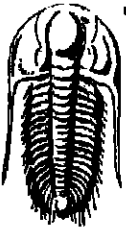
Drill Pipe:	Length: 4499.00 ft	Diameter: 3.80 inches	Volume: 63.11 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 88000.00 lb
		Total Volume:	63.70 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 69000.00 lb
Depth to Top Packer:	4626.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	130.00 ft			
Tool Length:	158.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4599.00	
Shut in tool	5.00			4604.00	
HMV	5.00			4609.00	
Jars	5.00			4614.00	
Safety Joint	3.00			4617.00	
Packer	4.00			4621.00	28.00 Bottom Of Top Packer
Packer	5.00			4626.00	
Stubb	1.00			4627.00	
Recorder	0.00	8167	Inside	4627.00	
Recorder	0.00	8370	Outside	4627.00	
Perforations	4.00			4631.00	
Blank Spacing	95.00			4726.00	
Perforations	25.00			4751.00	
Bullnose	5.00			4756.00	130.00 Bottom Packers & Anchor

Total Tool Length: 158.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co.LLC

Molz#2

125 N.Market,Ste.1000
Wichita Ks.67202

28-34s-11w Barber Ks

Job Ticket: 38801

DST#: 1

ATTN: Curtis Covey

Test Start: 2010.08.29 @ 00:42:48

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:	5500 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 12.39 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5500.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	SO&GCM 2%o 11%g 87%m	0.590
72.00	Drlg.mud	1.010
0.00	1305 ft.of GIP	0.000

Total Length: 192.00 ft Total Volume: 1.600 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial#: none

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time

