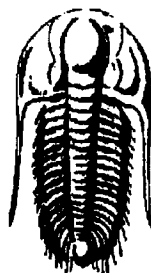


IND



**TRILOBITE
TESTING, INC.**

**CONFIDENTIAL
MAR 03 2008
KCC**

DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co**

125 N Market Ste 1000
Wichita KS 67202

ATTN: Bill Klaver

19 34S 11W Barber KS

5-X Logan

Start Date: 2007.11.13 @ 10:30:31

End Date: 2007.11.13 @ 17:46:10

Job Ticket #: 29853 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

**RECEIVED
KANSAS CORPORATION COMMISSION**

MAR 04 2008

**CONSERVATION DIVISION
WICHITA, KS**

Printed: 2007.11.19 @ 11:12:13 Page 1

Woolsey Operating Co

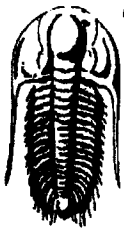
5-X Logan

19 34S 11W Barber KS

DST # 1

Cherokee Sand

2007.11.13



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Woolsey Operating Co

125 N Market Ste 1000
Wichita KS 67202

ATTN: Bill Klaver

5-X Logan

19 34S 11W Barber KS

Job Ticket: 29853

DST#: 1

Test Start: 2007.11.13 @ 10:30:31

GENERAL INFORMATION:

Formation: **Cherokee Sand**

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

Time Tool Opened: 14:09:41

Time Test Ended: 17:46:10

Test Type: **Conventional Bottom Hole**

Tester: **Leal Cason**

Unit No: **24**

Interval: **4594.00 ft (KB) To 4658.00 ft (KB) (TVD)**

Total Depth: **4658.00 ft (KB) (TVD)**

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

Reference Elevations: **1431.00 ft (KB)**

1423.00 ft (CF)

KB to GR/CF: **8.00 ft**

Serial #: 8166 **Inside**

Press@RunDepth: **psig @ 4595.00 ft (KB)**

Start Date: **2007.11.13**

End Date:

2007.11.13

Start Time: **10:30:36**

End Time:

17:46:10

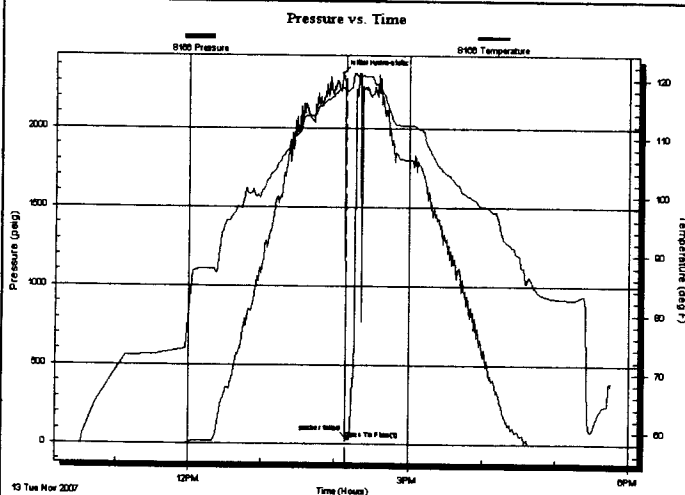
Capacity: **7000.00 psig**

Last Calib.: **2007.11.13**

Time On Btm: **2007.11.13 @ 14:06:31**

Time Off Btm:

TEST COMMENT: **Packer Failure**



PRESSURE SUMMARY

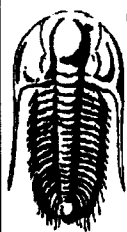
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2348.01	118.52	Initial Hydro-static
4	31.08	117.80	Open To Flow (1)
5	31.17	118.05	packer failed

Recovery

Length (ft)	Description	Volume (bbl)
760.00	DM	9.85

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Co

5-X Logan

125 N Market Ste 1000
Wichita KS 67202

19 34S 11W Barber KS

Job Ticket: 29853

DST#: 1

ATTN: Bill Klaver

Test Start: 2007.11.13 @ 10:30:31

Tool Information

Drill Pipe:	Length: 4498.00 ft	Diameter: 3.80 inches	Volume: 63.10 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 89.00 ft	Diameter: 2.25 inches	Volume: 0.44 bbl	Weight to Pull Loose:	62000.00 lb
		Total Volume:	63.54 bbl	Tool Chased	ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4594.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	64.00 ft				
Tool Length:	93.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Circulating sub	1.00			4566.00	
Change Over Sub	1.00			4567.00	
Shut In Tool	5.00			4572.00	
Hydraulic tool	5.00			4577.00	
Jars	5.00			4582.00	
Safety Joint	3.00			4585.00	
Packer	5.00			4590.00	29.00 Bottom Of Top Packer
Packer	4.00			4594.00	
Stubb	1.00			4595.00	
Recorder	0.00	8166	Inside	4595.00	
Recorder	0.00	8356	Outside	4595.00	
Perforations	21.00			4616.00	
Drill Pipe	32.00			4648.00	
Perforations	7.00			4655.00	
Bullnose	3.00			4658.00	64.00 Bottom Packers & Anchor

Total Tool Length: 93.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co

5-X Logan

125 N Market Ste 1000
Wichita KS 67202

19 34S 11W Barber KS

Job Ticket: 29853

DST#: 1

ATTN: Bill Klaver

Test Start: 2007.11.13 @ 10:30:31

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: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 14.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 10000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
760.00	DM	9.850

Total Length: 760.00 ft

Total Volume: 9.850 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8166

Inside

Woodsey Operating Co

19 34S 11W Barber KS

DST Test Number: 1

Pressure vs. Time

