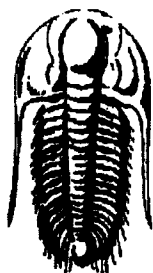


IND



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co**

125 N Market Ste 1000
Wichita KS 67202

CONFIDENTIAL

APR 01 2008

KCC

ATTN: Bill Klaver

19 34 11 Barber KS

Logan X # 7

Start Date: 2007.12.13 @ 19:48:37

End Date: 2007.12.14 @ 08:21:07

Job Ticket #: 28405 DST #: 1

Woolsey Operating Co

Logan X # 7

19 34 11 Barber KS

DST # 1

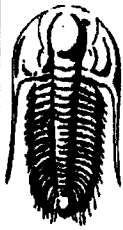
Cherokee Sand

2007.12.13

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Woolsey Operating Co

125 N Market Ste 1000
Wichita KS 67202

ATTN: Bill Klaver

Logan X # 7

19 34 11 Barber KS

Job Ticket: 28405

DST#: 1

Test Start: 2007.12.13 @ 19:48:37

GENERAL INFORMATION:

Formation: **Cherokee Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:51:37
 Time Test Ended: 08:21:07

Test Type: Conventional Bottom Hole
 Tester: Jerry Adams
 Unit No: 36

Interval: **4646.00 ft (KB) To 4704.00 ft (KB) (TVD)**
 Total Depth: 4704.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1403.00 ft (KB)
 1395.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: **6798**

Inside

Press@RunDepth: 29.49 psig @ 4649.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2007.12.13

End Date:

2007.12.14

Last Calib.: 2007.12.14

Start Time: 19:48:38

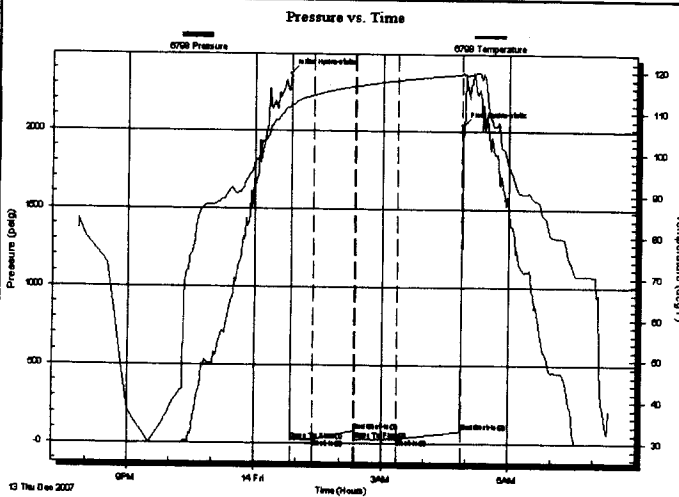
End Time:

08:21:07

Time On Btrm: 2007.12.14 @ 00:50:07

Time Off Btrm: 2007.12.14 @ 04:54:37

TEST COMMENT: IF Weak blow Built to 2 3/4 "
 ISI No blow
 FF Weak blow Built to 1 1/2 "
 FSI No blow



PRESSURE SUMMARY

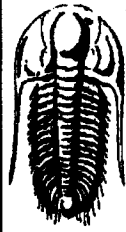
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2365.88	112.07	Initial Hydro-static
2	22.04	111.57	Open To Flow (1)
33	28.30	114.21	Shut-In (1)
91	80.96	116.41	End Shut-In (1)
92	25.04	116.41	Open To Flow (2)
152	29.49	117.88	Shut-In (2)
243	79.06	119.39	End Shut-In (2)
245	2034.73	119.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	DM 100%M	0.05
0.00		0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Co

Logan X # 7

125 N Market Ste 1000
Wichita KS 67202

19 34 11 Barber KS

Job Ticket: 28405

DST#: 1

ATTN: Bill Klaver

Test Start: 2007.12.13 @ 19:48:37

Tool Information

Drill Pipe:	Length: 4508.00 ft	Diameter: 3.80 inches	Volume: 63.24 bbl	Tool Weight: 2600.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 100000.0 lb
			Total Volume: 63.84 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4646.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	86.00 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			4623.00	
Hydraulic tool	5.00			4628.00	
Jars	5.00			4633.00	
Safety Joint	3.00			4636.00	
Packer	5.00			4641.00	28.00 Bottom Of Top Packer
Packer	5.00			4646.00	
Stubb	1.00			4647.00	
Perforations	1.00			4648.00	
Change Over Sub	1.00			4649.00	
Recorder	0.00	6798	Inside	4649.00	
Recorder	0.00	8358	Inside	4649.00	
Blank Spacing	31.00			4680.00	
Change Over Sub	1.00			4681.00	
Perforations	20.00			4701.00	
Bullnose	3.00			4704.00	58.00 Bottom Packers & Anchor

Total Tool Length: 86.00

RECEIVED
KANSAS CORPORATION COMMISSION

APR 01 2008

CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co

Logan X # 7

125 N Market Ste 1000
Wchita KS 67202

19 34 11 Barber KS

Job Ticket: 28405

DST#: 1

ATTN: Bill Klaver

Test Start: 2007.12.13 @ 19:48:37

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: 43.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
10.00	DM 100%M	0.049
0.00		0.000

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6798

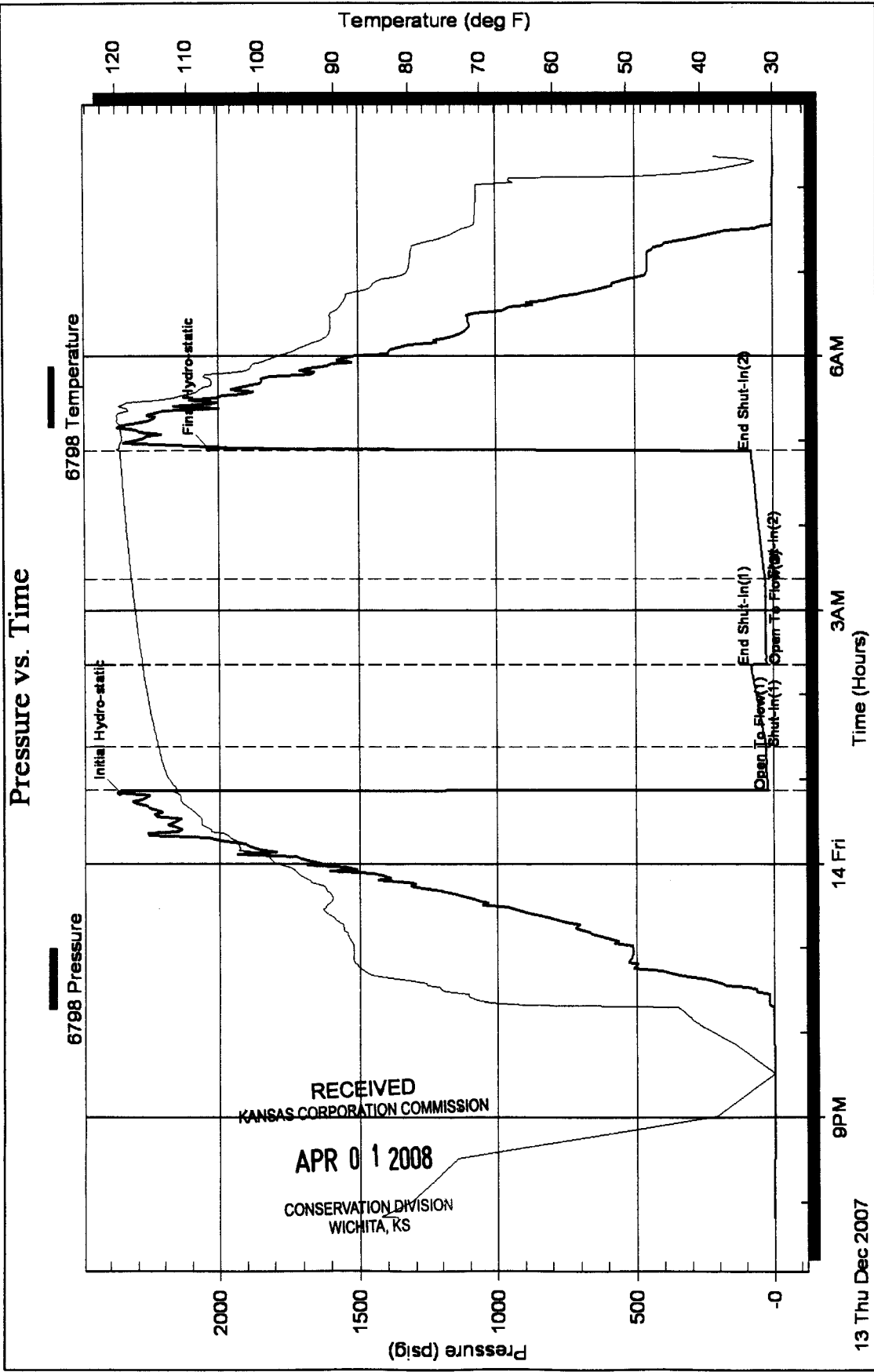
Inside

Woolsey Operating Co

19 34 11 Barber KS

DST Test Number: 1

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 28405

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