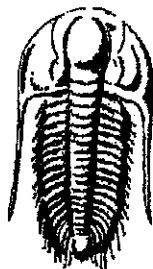


KCC
JUL 24 2006
CONFIDENTIAL



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Larson Engineering INC**

562 West State Road 4
Olmitz KS 67564

ATTN: Bob Lewellyn

24 19S 29W Lane KS

Perkins Martin 1-24

Start Date: 2006.04.07 @ 11:50:55

End Date: 2006.04.07 @ 23:52:44

Job Ticket #: 22306

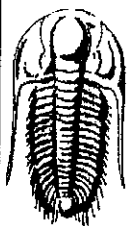
DST #: 1

RECEIVED
KANSAS CORPORATION COMMISSION
JUL 25 2006
CONSERVATION DIVISION
WICHITA, KS

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Larson Engineering INC

562 West State Road 4
Olmritz KS 67564

ATTN: Bob Lewellyn

Perkins Martin 1-24

24 19S 29W Lane KS

Job Ticket: 22306

DST#: 1

Test Start: 2006.04.07 @ 11:50:55

GENERAL INFORMATION:

Formation: **Altamont**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:16:45

Time Test Ended: 23:52:44

Test Type: Conventional Bottom Hole

Tester: Chris Hagman

Unit No: 34

Interval: 4370.00 ft (KB) To 4440.00 ft (KB) (TVD)

Total Depth: 4440.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Good

Reference Elevations: 2806.00 ft (KB)

2801.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6753

Inside

Press@RunDepth: 31.73 psig @ 4372.00 ft (KB)

Start Date: 2006.04.07

End Date:

2006.04.07

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Start Time: 11:50:55

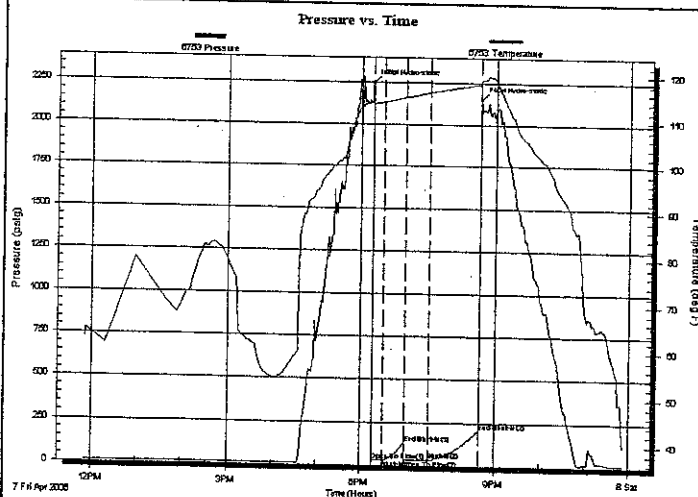
End Time:

23:52:44

Time On Btm: 2006.04.07 @ 18:16:04

Time Off Btm: 2006.04.07 @ 20:39:55

TEST COMMENT: IF Weak Surf Blow
ISI No Blow back
FF No Blow
FSI No Blow back



PRESSURE SUMMARY

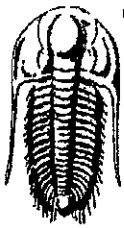
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2246.26	114.29	Initial Hydro-static
1	29.60	113.74	Open To Flow (1)
16	30.77	114.23	Shut-In(1)
44	131.21	115.33	End Shut-In(1)
45	30.62	115.32	Open To Flow (2)
76	31.73	116.36	Shut-In(2)
144	204.93	118.31	End Shut-In(2)
144	2148.88	119.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	100%M	0.15

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Larson Engineering INC

562 West State Road 4
Olmitz KS 67564

ATTN: Bob Lewellyn

Perkins Martin 1-24

24 19S 29W Lane KS

Job Ticket: 22306

DST#: 1

Test Start: 2006.04.07 @ 11:50:55

Tool Information

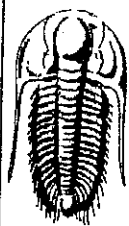
Drill Pipe:	Length: 4159.00 ft	Diameter: 3.80 inches	Volume: 58.34 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 215.00 ft	Diameter: 2.25 inches	Volume: 1.06 bbl	Weight to Pull Loose: 60000.00 lb
			Total Volume: 59.40 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	4370.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	98.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

KCC

JUL 24 2006

CONFIDENTIAL

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4343.00		
Shut In Tool	5.00			4348.00		
Hydraulic tool	5.00			4353.00		
Jars	5.00			4358.00		
Safety Joint	3.00			4361.00		
Packer	5.00			4366.00	28.00	Bottom Of Top Packer
Packer	4.00			4370.00		
Stubb	1.00			4371.00		
Perforations	1.00			4372.00		
Recorder	0.00	6753	Inside	4372.00		
Perforations	22.00			4394.00		
Change Over Sub	1.00			4395.00		
Drill Pipe	31.00			4426.00		
Change Over Sub	1.00			4427.00		
Perforations	10.00			4437.00		
Recorder	0.00	13630	Inside	4437.00		
Bullnose	3.00			4440.00	70.00	Bottom Packers & Anchor
Total Tool Length:		98.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Engineering INC

Perkins Martin 1-24

562 West State Road 4
Olmritz KS 67564

24 19S 29W Lane KS

Job Ticket: 22306

DST#: 1

ATTN: Bob Lewellyn

Test Start: 2006.04.07 @ 11:50:55

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 59.00 sec/qt

Water Loss: 11.18 in³

Resistivity: ohm.m

Salinity: 1800.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

4200 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	100%M	0.148

Total Length: 30.00 ft

Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=1.705@55F=4200ppm

DST Test Number: 1

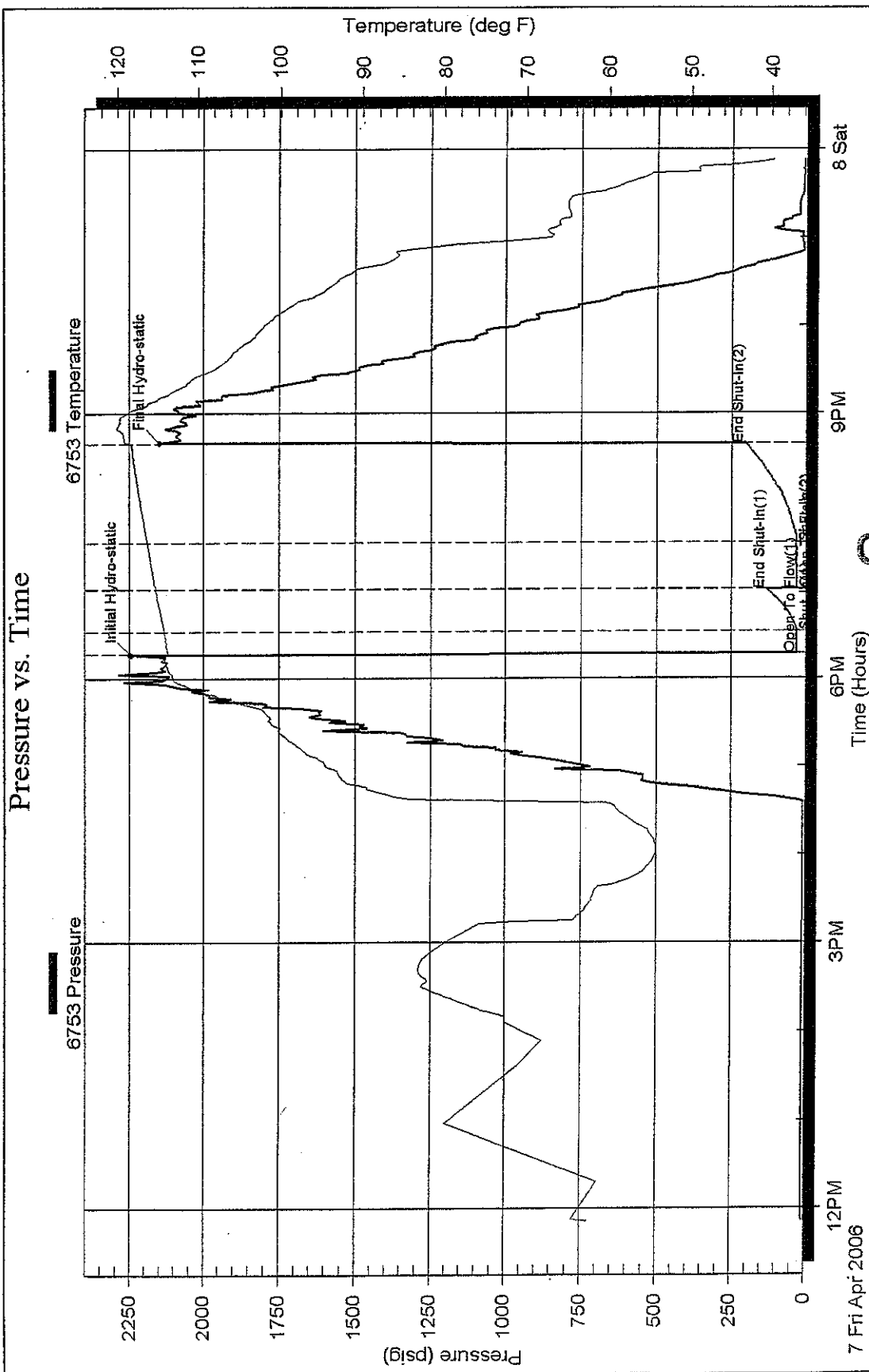
24 19S 29W Lane KS

Larson Engineering INC

Inside

Serial #: 6753

Pressure vs. Time



Ref. No: 22306

Trilobite Testing, Inc

KCC
JUL 24 2006
CONFIDENTIAL

