

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **FIML Natural Res**

410-17th ST Ste 900
Denver CO 80202

ATTN: Jim Musgrove

~~11-29-31~~ **Scott KS**

29-18s-31w KCC

Pfenninger #11-29

Start Date: 2006.03.19 @ 08:00:05

End Date: 2006.03.19 @ 20:46:45

Job Ticket #: 23274 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

FIML Natural Res

Pfenninger #11-29

11-29-31 Scott KS

DST # 1

KC

2006.03.19



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

FIML Natural Res
410-17th ST Ste 900-
Denver CO 80202
ATTN: Jim Musgrove

Pfenninger #11-29
11-29-31 Scott KS
Job Ticket: 23274 **DST#: 1**
Test Start: 2006.03.19 @ 08:00:05

Tool Information

Drill Pipe:	Length: 3595.00 ft	Diameter: 3.80 inches	Volume: 50.43 bbl	Tool Weight: 1500.00 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: 650.00 ft	Diameter: 2.25 inches	Volume: 3.20 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 53.63 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4241.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	46.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4215.00	
Shut In Tool	5.00			4220.00	
Hydraulic tool	5.00			4225.00	
Jars	5.00			4230.00	
Safety Joint	2.00			4232.00	
Packer	5.00		Fluid	4237.00	27.00 Bottom Of Top Packer
Packer	4.00			4241.00	
Stubb	1.00			4242.00	
Recorder	0.00	6667	Inside	4242.00	
Perforations	13.00			4255.00	
Recorder	0.00	11058	Inside	4255.00	
Bullnose	5.00			4260.00	19.00 Bottom Packers & Anchor

Total Tool Length: 46.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

FIML Natural Res

Pfenninger #11-29

410-17th ST Ste 900
Denver CO 80202

11-29-31 Scott KS

Job Ticket: 23274

DST#: 1

ATTN: Jim Musgrove

Test Start: 2006.03.19 @ 08:00:05

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

51000 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	m c w 20m 80w	0.590

Total Length: 120.00 ft Total Volume: 0.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler data: 650 PSI, 2000ml w ater
rw .193 @ 50*f = 51000

Serial #: 6667

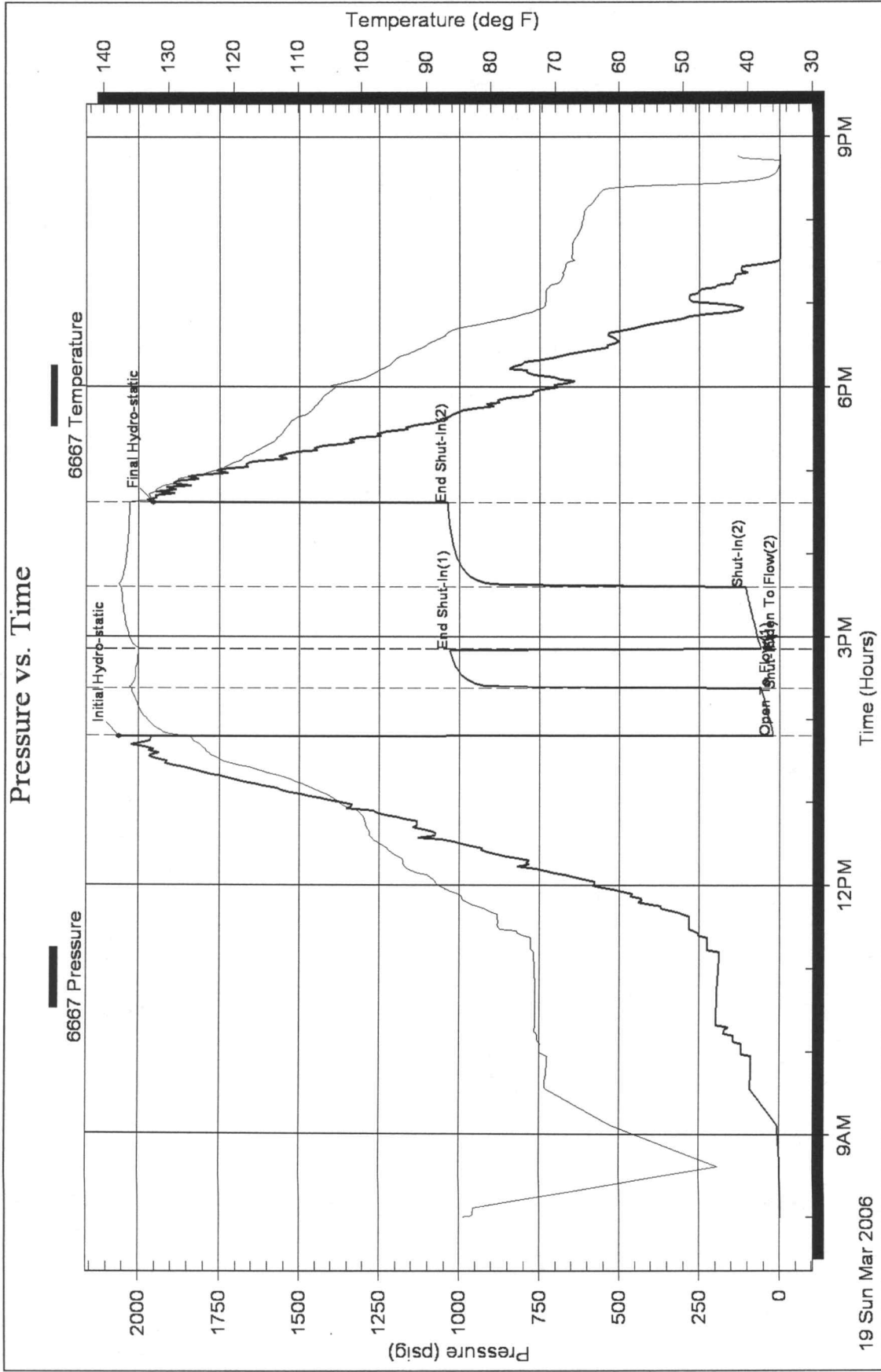
Inside

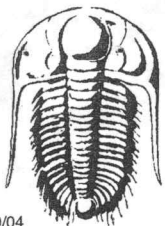
FIML Natural Res

11-29-31 Scott KS

DST Test Number: 1

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

8550
No 23274

Test Ticket

Well Name & No. Pfenninger #11-29 Test No. #1 Date 3/18/06
 Company FIML Natural Res Zone Tested KC
 Address 410-17th St, Suite 900, Denver, Colo 80202 Elevation 2982 KB 2970 GL
 Co. Rep / Geo Ed P. Icher / Jim Thurgrove Cont. Excell #3 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 11 Twp. 29 Rge. 31 Co. Scott State Ks
 No. of Copies Num. Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4241 4260 Initial Str Wt./Lbs. 60,000 Unseated Str Wt./Lbs. 61,000
 Anchor Length _____ 19 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 80,000
 Top Packer Depth _____ 4236 Tool Weight 1500
 Bottom Packer Depth _____ 4241 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth _____ 4260 Wt. Pipe Run _____ Drill Collar Run 650'
 Mud Wt. 8.9 LCM #2 Vis. 44 WL 6.8 Drill Pipe Size 4 1/2 X H Ft. Run 3595'
 Blow Description 1/2" in blow
No return
No blow Flush tool 1/2" in blow
No return

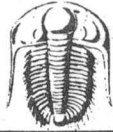
Recovery - Total Feet 120' GIP _____ Ft. in DC 120' Ft. in DP _____
 Rec. 120' Feet of MCLW %gas _____ %oil 80 %water 20 %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 136' °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW .193 @ 50 °F Chlorides 51,000 ppm Recovery 51,000 Chlorides 1800 ppm System

	AK-1	Alpine	Recorder No.	Test X
(A) Initial Hydrostatic Mud		<u>2059</u> PSI	<u>6667</u>	<u>\$ 1100.00</u>
(B) First Initial Flow Pressure		<u>21</u> PSI	(depth) <u>4242</u>	Jars x <u>\$ 250.00</u>
(C) First Final Flow Pressure		<u>56</u> PSI	Recorder No. <u>11058</u>	Safety Jt. y <u>\$ 75.00</u>
(D) Initial Shut-In Pressure		<u>1029</u> PSI	(depth) <u>4255</u>	Circ Sub y <u>N/R</u>
(E) Second Initial Flow Pressure		<u>59</u> PSI	Recorder No. _____	Sampler <u>\$ 250.00</u>
(F) Second Final Flow Pressure		<u>106</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure		<u>1036</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>1953</u> PSI	Initial Shut-In <u>30</u>	Shale Packer _____

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By [Signature] 3/19/06
 Our Representative [Signature]

Final Flow 45 Ruined Packer _____
 Final Shut-In 600 Mileage x 24 hr \$ 30.00
 T-On Location 01:30 a.m. Sub Total: \$ 1405.00
 T-Started 08:00 a.m. Std. By 10 hrs \$ 650.00
 T-Open 13:20 p.m. Other x 1 hr \$ 150.00
 T-Pulled 16:00 p.m. Total: \$ 2805.00
 T-Out 20:45 p.m.



TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 23274 Date 3/18/06
 Company Name FIML Natural Res
 Lease Fenninger #11-29 Test No. #1 KC
 County Scott, Ks Sec. 11 Twp. 29 Rng. 31

SAMPLER RECOVERY

Gas ML
 Oil ML
 Mud ML
 Water 2000 ML
 Other ML
 Pressure 650 PSI ~~ML~~
 Total 2000 ML Water ML

PIT MUD ANALYSIS

Chlorides 1800 ppm.
 Resistivity ohms @ F
 Viscosity 44
 Mud Weight 8.9
 Filtrate 6.8
 Other LCM #2

SAMPLER ANALYSIS

Resistivity .193 ohms @ 50° F
 Chlorides 51,000 ppm.
 Gravity corrected @60F

PIPE RECOVERY

TOP
 Resistivity .193 ohms @ 50° F
 Chlorides 51,000 ppm.

MIDDLE
 Resistivity ohms @ F
 Chlorides ppm.

BOTTOM
 Resistivity .193 ohms @ 50° F
 Chlorides 51,000 ppm.

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

