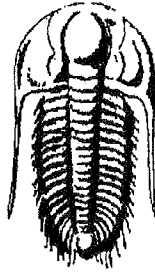


15-151-22363

29-26-14w



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Lachenmayer Oil**

PO Box 526
Newton, Ks
67114

ATTN: Frank Mize

29-26-14 Pratt KS

Acherburg Trust #1

Start Date: 2011.01.22 @ 23:41:20

End Date: 2011.01.23 @ 08:52:49

Job Ticket #: 41419 DST #: 1

RECEIVED

APR 22 2011

KCC WICHITA

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

ORIGINAL

Lachenmayer Oil

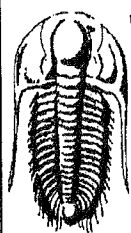
Acherburg Trust #1

29-26-14 Pratt KS

DST # 1

Miss

2011.01.22



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Lachenmayer Oil

Acherburg Trust #1

PO Box 526
Newton, Ks
67114

29-26-14 Pratt KS

Job Ticket: 41419

DST#: 1

ATTN: Frank Mize

Test Start: 2011.01.22 @ 23:41:20

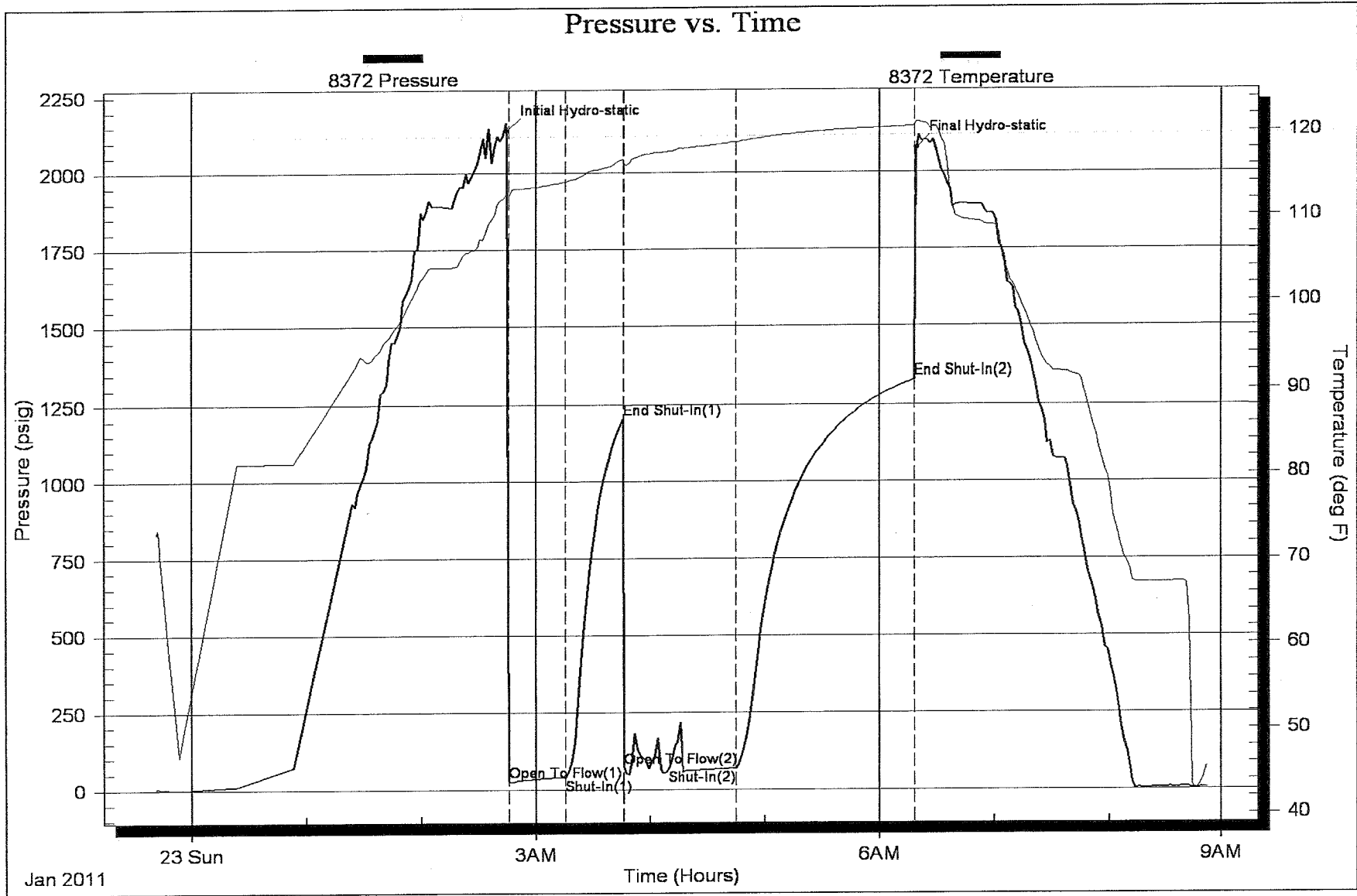
Tool Information

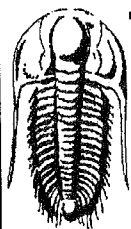
Drill Pipe:	Length: 4326.00 ft	Diameter: 3.80 inches	Volume: 60.68 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			Total Volume: 60.68 bbl	Tool Chased 2.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4334.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	69.00 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			4312.00	
Hydraulic tool	5.00			4317.00	
Jars	5.00			4322.00	
Safety Joint	2.00			4324.00	
Packer	5.00			4329.00	27.00 Bottom Of Top Packer
Packer	5.00			4334.00	
Stubb	1.00			4335.00	
Perforations	1.00			4336.00	
Change Over Sub	1.00			4337.00	
Recorder	0.00	8372	Inside	4337.00	
Recorder	0.00	8365	Outside	4337.00	
Blank Spacing	31.00			4368.00	
Change Over Sub	1.00			4369.00	
Perforations	4.00			4373.00	
Bullnose	3.00			4376.00	42.00 Bottom Packers & Anchor

Total Tool Length: 69.00





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lachenmayer Oil

Acherburg Trust #1

PO Box 526
New ton, Ks
67114

29-26-14 Pratt KS

Job Ticket: 41419

DST#: 1

ATTN: Frank Mize

Test Start: 2011.01.22 @ 23:41:20

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 46.00 sec/qt
Water Loss: 10.38 in³
Resistivity: ohm.m
Salinity: 5000.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
95.00	mud 100%	1.333
0.00	60' gip	0.000

Total Length: 95.00 ft Total Volume: 1.333 bbl

Num Fluid Samples: 0

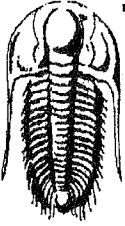
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Lachenmayer Oil

Acherburg Trust #1

PO Box 526
New ton, Ks
67114
ATTN: Frank Mize

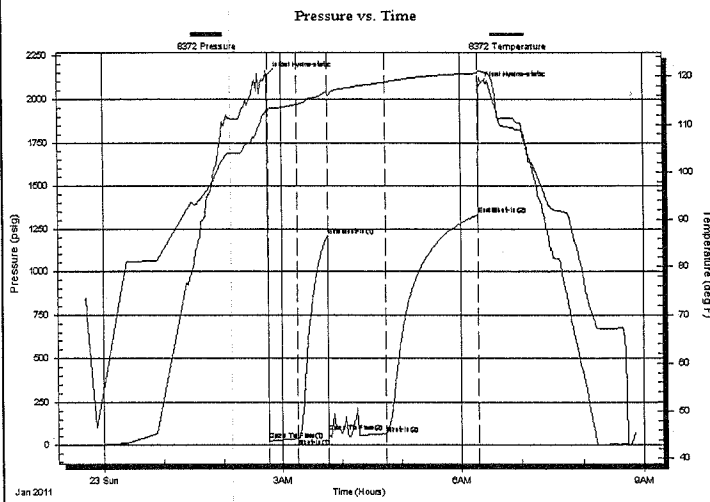
29-26-14 Pratt KS
Job Ticket: 41419 **DST#: 1**
Test Start: 2011.01.22 @ 23:41:20

GENERAL INFORMATION:

Formation: **Miss**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 02:45:49
Time Test Ended: 08:52:49
Interval: **4334.00 ft (KB) To 4376.00 ft (KB) (TVD)**
Total Depth: **4376.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: KB to GR/CF: **10.00 ft**
Test Type: **Conventional Bottom Hole**
Tester: **Brian Fairbank**
Unit No: **41**
Reference Elevations: **2021.00 ft (KB)**
2011.00 ft (CF)

Serial #: 8372 **Inside**
Press@RunDepth: **66.46 psig @ 4337.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2011.01.22** End Date: **2011.01.23** Last Calib.: **2011.01.23**
Start Time: **23:41:20** End Time: **08:52:49** Time On Btm: **2011.01.23 @ 02:44:49**
Time Off Btm: **2011.01.23 @ 06:19:19**

TEST COMMENT: IFF - weak to good blow 1/2" - 6 1/2"
ISI - no blow back
FFP - weak to fair blow sur - 4 1/2"
FSI - no blow back

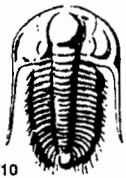


PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2136.68	113.26	Initial Hydro-static
1	29.24	112.38	Open To Flow (1)
31	39.19	114.13	Shut-In(1)
61	1207.83	116.71	End Shut-In(1)
62	73.33	116.22	Open To Flow (2)
120	66.46	118.75	Shut-In(2)
214	1333.10	120.67	End Shut-In(2)
215	2077.88	121.05	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
95.00	mud 100%	1.33
0.00	60' gip	0.00

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

ORIGINAL



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 04141915310

Well Name & No. Achterberg Trust #1 Test No. 1 Date 1-22-11
 Company Lachenmeyer Oil Elevation 2021 KB 2011 GL
 Address PO Box 526 Newton, KS 67114
 Co. Rep / Geo. Frank Mize Rig B. Pickrell 1
 Location: Sec. 29 Twp. 26 Rge. 14 Co. Pratt State Ks

Interval Tested 4334-4376 Zone Tested Miss
 Anchor Length 42 Drill Pipe Run 4326 Mud Wt. 9.1
 Top Packer Depth 4329 Drill Collars Run — Vis 46
 Bottom Packer Depth 4334 Wt. Pipe Run — WL 10.4
 Total Depth 4376 Chlorides 5000 ppm System LCM

Blow Description IFP- weak to good blow 1/2-6 1/2"
ISI- no blow back
FFP- weak to fair blow sur - 4 1/2"
FSI- no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>GIP</u>				
<u>95</u>	<u>mud</u>				<u>100</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 95 BHT 121 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2137</u>	<input checked="" type="checkbox"/> Test <u>1225</u>	T-On Location <u>2024</u>
(B) First Initial Flow <u>29</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>2341</u>
(C) First Final Flow <u>39</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0246</u>
(D) Initial Shut-In <u>1208</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>0616</u>
(E) Second Initial Flow <u>73</u>	<input checked="" type="checkbox"/> Hourly Standby <u>2 1/4 hr 225</u>	T-Out <u>0853</u>
(F) Second Final Flow <u>66</u>	<input checked="" type="checkbox"/> Mileage <u>50 RT x 2 125</u>	Comments <u>Tool slid 2'</u>
(G) Final Shut-In <u>1333</u>	<input type="checkbox"/> Sampler	<u>to bottom</u>
(H) Final Hydrostatic <u>2078</u>	<input type="checkbox"/> Straddle	<u>mileage to load tools</u>
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>8</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Day Standby	Total <u>1900</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1900</u>	

Approved By _____ Our Representative Brian Farbank

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.