

## DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum Ltd.**

225 N. Market Ste #300  
Wichita KS 67202

ATTN: Flip Phillips

### **29-20S-23W Ness**

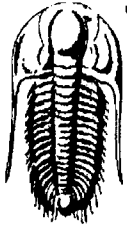
#### **Von Lehe Trust DM #1-29**

Start Date: 2005.03.22 @ 20:00:22

End Date: 2005.03.23 @ 02:43:07

Job Ticket #: 20450                      DST #: 1

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Pintail Petroleum Ltd.  
 225 N. Market Ste #300  
 Wichita KS 67202  
 ATTN: Flip Phillips

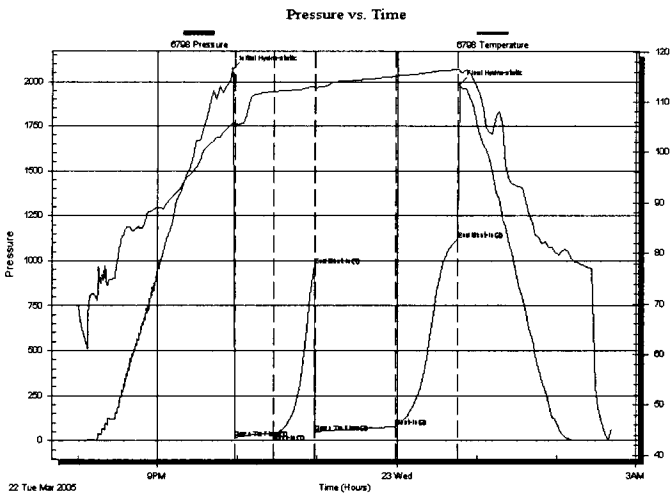
Von Lehe Trust DM #1-29  
 29-20S-23W Ness  
 Job Ticket: 20450      DST#: 1  
 Test Start: 2005.03.22 @ 20:00:22

## GENERAL INFORMATION:

Formation: **Ft. Scott**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 21:57:52  
 Time Test Ended: 02:43:07  
 Interval: **4200.00 ft (KB) To 4243.00 ft (KB) (TVD)**  
 Total Depth: 4243.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition:  
 Test Type: Conventional Bottom Hole  
 Tester: Rod Steinbrink  
 Unit No: 22  
 Reference Elevations: 2234.00 ft (KB)  
 2229.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 6798**      **Inside**  
 Press@RunDepth: 77.38 psig @ 4201.00 ft (KB)      Capacity: 7000.00 psig  
 Start Date: 2005.03.22      End Date: 2005.03.23      Last Calib.: 1899.12.30  
 Start Time: 20:00:27      End Time: 02:43:06      Time On Btm: 2005.03.22 @ 21:56:07  
 Time Off Btm: 2005.03.23 @ 00:46:22

**TEST COMMENT:** F; Weak to fair built to 9"  
 IS; Weak surface return throughout  
 FF; Weak to fair off btm i n 37 mins  
 FS; Weak surface return throughout



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2068.12	105.56	Initial Hydro-static
2	14.50	105.66	Open To Flow (1)
31	39.94	112.16	Shut-In(1)
62	972.71	113.12	End Shut-In(1)
63	47.37	112.83	Open To Flow (2)
122	77.38	115.16	Shut-In(2)
169	1119.89	116.44	End Shut-In(2)
171	1986.91	116.24	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	GOCM 37%gas 8%oil 55%mud	0.59
60.00	SGOCM 10%gas 2%oil 88%mud	0.30
9999999999	270 GP	

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Pintail Petroleum Ltd.

**Von Lehe Trust DM #1-29**

225 N. Market Ste #300  
Wichita KS 67202

**29-20S-23W Ness**

Job Ticket: 20450

**DST#: 1**

ATTN: Flip Phillips

Test Start: 2005.03.22 @ 20:00:22

**Tool Information**

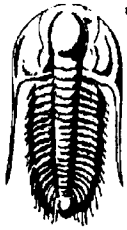
Drill Pipe:	Length: 3949.00 ft	Diameter: 3.80 inches	Volume: 55.39 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 242.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 56.58 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4200.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	61.00 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			4186.00	
Hydraulic tool	5.00			4191.00	
Packer	5.00			4196.00	19.00 Bottom Of Top Packer
Packer	4.00			4200.00	
Stubb	1.00			4201.00	
Recorder	0.00	6798	Inside	4201.00	
Perforations	4.00			4205.00	
Change Over Sub	1.00			4206.00	
Anchor	30.00			4236.00	
Change Over Sub	1.00			4237.00	
Recorder	0.00	13309	Outside	4237.00	
Bullnose	5.00			4242.00	42.00 Bottom Packers & Anchor

**Total Tool Length: 61.00**



**TRILOBITE**  
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FLUID SUMMARY

Pintail Petroleum Ltd.  
225 N. Market Ste #300  
Wichita KS 67202  
ATTN: Flip Phillips

Von Lehe Trust DM #1-29  
29-20S-23W Ness  
Job Ticket: 20450      DST#: 1  
Test Start: 2005.03.22 @ 20:00:22

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	GOCM 37%gas 8%oil 55%mud	0.590
60.00	SGOCM 10%gas 2%oil 88%mud	0.295
999999999.00	270 GIP	

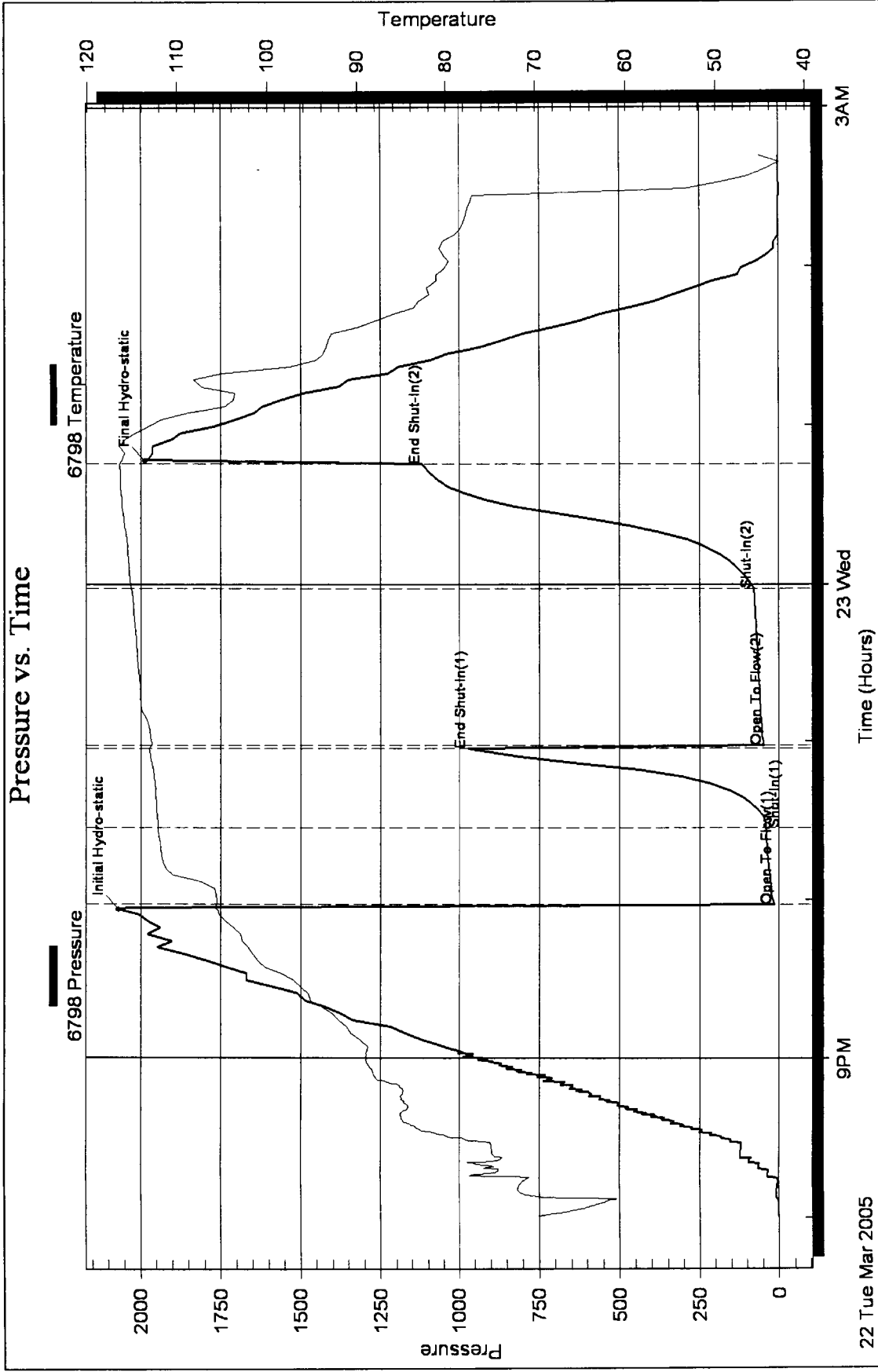
Total Length: 100000017 ft      Total Volume: 0.885 bbl

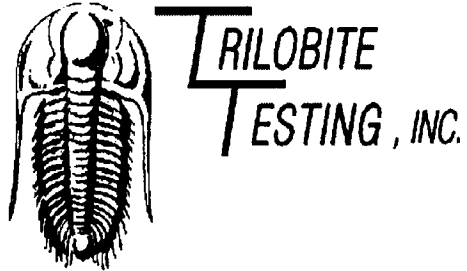
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:

### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum Ltd.**

225 N. Market Ste #300  
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### **29-20S-23W Ness**

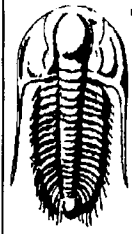
#### **Von Lehe Trust DM #1-29**

Start Date: 2005.03.23 @ 14:40:46

End Date: 2005.03.23 @ 20:38:01

Job Ticket #: 20526                      DST #: 2

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



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# DRILL STEM TEST REPORT

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 225 N. Market Ste #300  
 Wichita KS 67202  
 ATTN: Flip Phillips

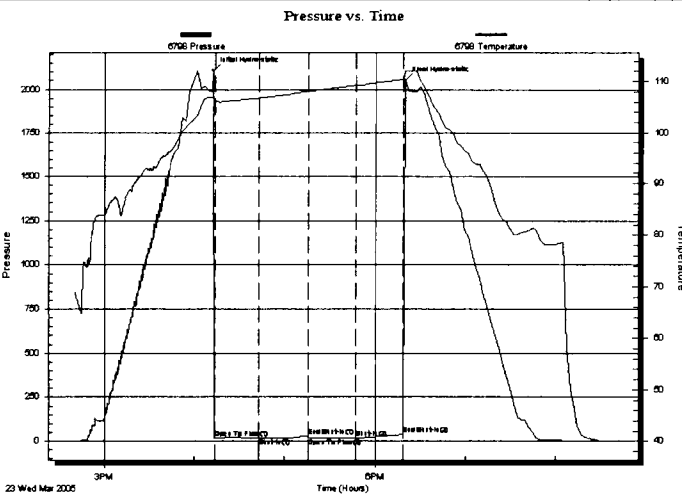
**Von Lehe Trust DM #1-29**  
**29-20S-23W Ness**  
 Job Ticket: 20526      **DST#: 2**  
 Test Start: 2005.03.23 @ 14:40:46

**GENERAL INFORMATION:**

Formation: **Cherokee-Miss**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 16:13:31  
 Time Test Ended: 20:38:01  
 Interval: **4266.00 ft (KB) To 4336.00 ft (KB) (TVD)**  
 Total Depth: **4336.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition:  
 Test Type: Conventional Bottom Hole  
 Tester: Rod Steinbrink  
 Unit No: 22  
 Reference Elevations: 2234.00 ft (KB)  
 2229.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 6798**      **Inside**  
 Press@RunDepth: 19.26 psig @ 4267.00 ft (KB)      Capacity: 7000.00 psig  
 Start Date: 2005.03.23      End Date: 2005.03.23      Last Calib.: 1899.12.30  
 Start Time: 14:40:51      End Time: 20:38:00      Time On Btm: 2005.03.23 @ 16:12:31  
 Time Off Btm: 2005.03.23 @ 18:19:31

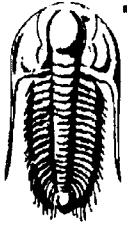
**TEST COMMENT:** IF; Weak blow built to 1/2" decreased to surface  
 IS; Weak surface blow thru  
 FF; Weak intermittent blow thru  
 FSI; No return



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2108.56	106.90	Initial Hydro-static
1	16.12	106.25	Open To Flow (1)
31	19.88	106.76	Shut-In (1)
63	30.35	108.06	End Shut-In (1)
64	18.25	108.07	Open To Flow (2)
95	19.26	109.17	Shut-In (2)
126	37.28	110.39	End Shut-In (2)
127	2055.21	112.11	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
15.00	Slightly Oil Stained Mud	0.07

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Pintail Petroleum Ltd.  
225 N. Market Ste #300  
Wichita KS 67202  
ATTN: Flip Phillips

**Von Lehe Trust DM #1-29**  
**29-20S-23W Ness**  
Job Ticket: 20526      **DST#: 2**  
Test Start: 2005.03.23 @ 14:40:46

**Tool Information**

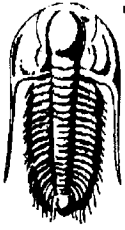
Drill Pipe:	Length: 4010.00 ft	Diameter: 3.80 inches	Volume: 56.25 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 242.00 ft	Diameter: 2.25 inches	Volume: 1.19 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 57.44 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4266.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	89.00 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			4252.00	
Hydraulic tool	5.00			4257.00	
Packer	5.00			4262.00	19.00      Bottom Of Top Packer
Packer	4.00			4266.00	
Stubb	1.00			4267.00	
Recorder	0.00	6798	Inside	4267.00	
Perforations	32.00			4299.00	
Change Over Sub	1.00			4300.00	
Anchor	30.00			4330.00	
Change Over Sub	1.00			4331.00	
Recorder	0.00	13309	Outside	4331.00	
Bullnose	5.00			4336.00	70.00      Bottom Packers & Anchor

**Total Tool Length: 89.00**



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Von Lehe Trust DM #1-29  
29-20S-23W Ness  
Job Ticket: 20526      DST#: 2  
Test Start: 2005.03.23 @ 14:40:46

## Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	in <sup>3</sup>	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Slightly Oil Stained Mud	0.074

Total Length: 15.00 ft      Total Volume: 0.074 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

Serial #: 6798

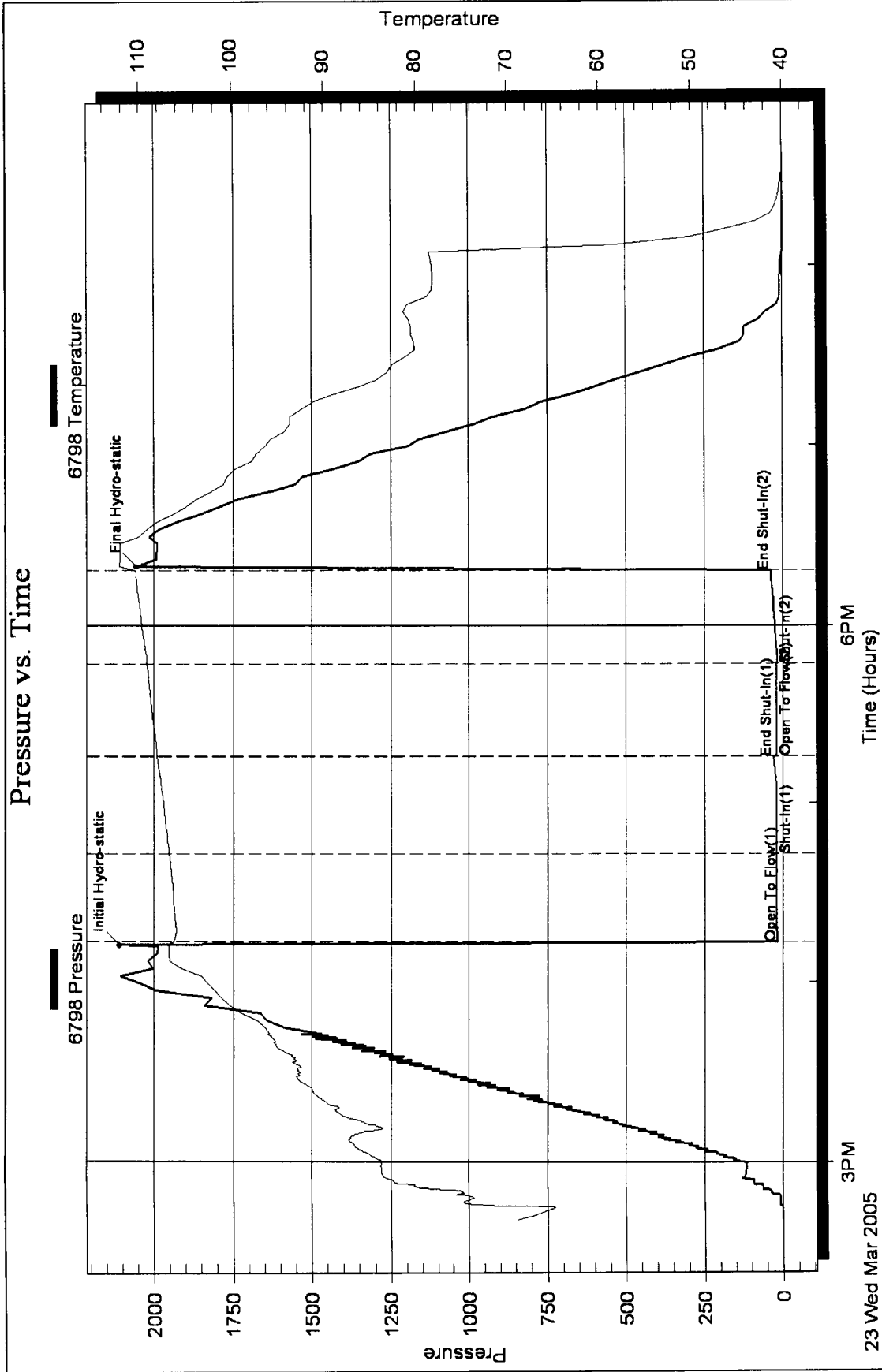
Inside

Pntail Petroleum Ltd.

29-20S-23W Ness

DST Test Number: 2

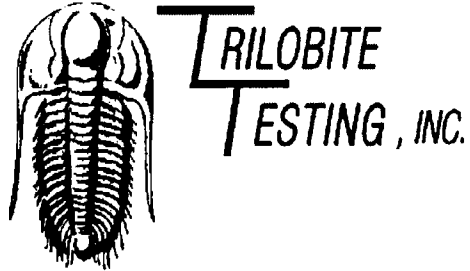
### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 20526

Printed: 2005.03.31 @ 09:37:09 Page 5



## DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum Ltd.**

225 N. Market Ste #300  
Wichita KS 67202

ATTN: Flip Phillips

### **29-20S-23W Ness**

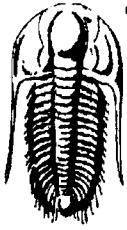
#### **Von Lehe Trust DM #1-29**

Start Date: 2005.03.24 @ 09:31:34

End Date: 2005.03.24 @ 16:50:19

Job Ticket #: 21037                      DST #: 3

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



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# DRILL STEM TEST REPORT

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ATTN: Flip Phillips

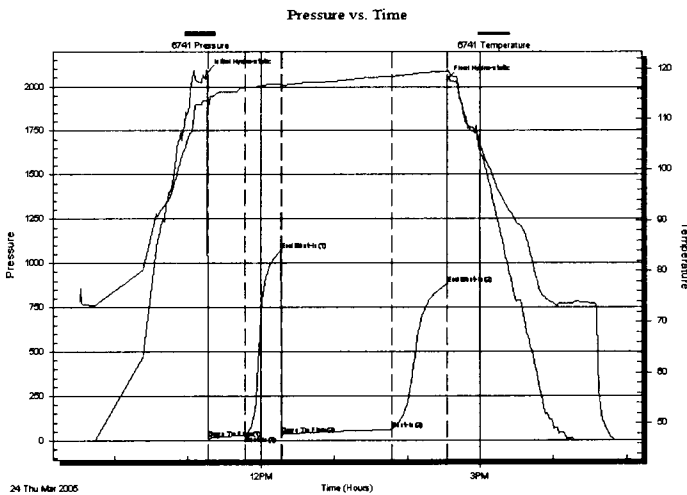
**Von Lehe Trust DM #1-29**  
**29-20S-23W Ness**  
Job Ticket: 21037      **DST#: 3**  
Test Start: 2005.03.24 @ 09:31:34

**GENERAL INFORMATION:**

Formation: **Mississippi**  
Deviated: **No Whipstock:**      **ft (KB)**  
Time Tool Opened: **11:16:34**  
Time Test Ended: **16:50:19**  
Test Type: **Conventional Straddle**  
Tester: **Jason McLemore**  
Unit No: **32**  
Interval: **4332.00 ft (KB) To 4346.00 ft (KB) (TVD)**  
Reference Elevations: **2234.00 ft (KB)**  
Total Depth: **4380.00 ft (KB) (TVD)**  
**2229.00 ft (CF)**  
Hole Diameter: **7.88 inches** Hole Condition: **Good**  
KB to GR/CF: **5.00 ft**

**Serial #: 6741      Inside**  
Press@RunDepth: **62.02 psig @ 4333.00 ft (KB)**      Capacity: **7000.00 psig**  
Start Date: **2005.03.24**      End Date: **2005.03.24**      Last Calib.: **1899.12.30**  
Start Time: **09:31:36**      End Time: **16:50:19**      Time On Btm: **2005.03.24 @ 11:16:19**  
Time Off Btm: **2005.03.24 @ 14:33:19**

**TEST COMMENT:** FFP-Weak Blow , Built to 2-1/4"  
IS-Dead  
FFP-Weak Blow , Built to 4"  
FSI-Dead



**PRESSURE SUMMARY**

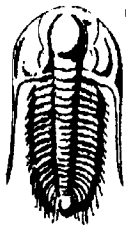
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2081.61	113.76	Initial Hydro-static
1	11.63	113.30	Open To Flow (1)
31	30.06	116.29	Shut-In(1)
61	1072.17	116.94	End Shut-In(1)
62	34.50	116.62	Open To Flow (2)
151	62.02	118.48	Shut-In(2)
197	883.98	119.44	End Shut-In(2)
197	2038.03	119.80	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
31.00	GHOCM-25%G-35%)-40%M	0.15
63.00	OCM-25%O-75%M	0.31
33.00	Clean Oil	0.16

**Gas Rates**

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Pintail Petroleum Ltd.  
225 N. Market Ste #300  
Wichita KS 67202  
ATTN: Flip Phillips

**Von Lehe Trust DM #1-29**  
**29-20S-23W Ness**  
Job Ticket: 21037      **DST#: 3**  
Test Start: 2005.03.24 @ 09:31:34

**Tool Information**

Drill Pipe:	Length: 4098.00 ft	Diameter: 3.80 inches	Volume: 57.48 bbl	Tool Weight: 3500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 243.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 58.68 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4332.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	4346.00 ft			
Interval between Packers:	14.00 ft			
Tool Length:	73.00 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			4312.00	
Shut In Tool	5.00			4317.00	
Hydraulic tool	5.00			4322.00	
Packer	5.00			4327.00	21.00      Bottom Of Top Packer
Packer	5.00			4332.00	
Stubb	1.00			4333.00	
Recorder	0.00	6741	Inside	4333.00	
Perforations	9.00			4342.00	
Blank Off Sub	1.00			4343.00	
Blank Spacing	3.00			4346.00	14.00      Tool Interval
Packer	5.00			4351.00	
Change Over Sub	1.00			4352.00	
Recorder	0.00	13252	Below	4352.00	
Blank Spacing	32.00			4384.00	38.00      Bottom Packers & Anchor

**Total Tool Length: 73.00**



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**FLUID SUMMARY**

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**Von Lehe Trust DM #1-29**

225 N. Market Ste #300  
Wichita KS 67202

**29-20S-23W Ness**

Job Ticket: 21037

**DST#: 3**

ATTN: Flip Phillips

Test Start: 2005.03.24 @ 09:31:34

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 38 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl	
Water Loss: 10.98 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4000.00 ppm		
Filter Cake: 1.00 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
31.00	GHOCM-25%G-35%)~40%M	0.152
63.00	OCM-25%O-75%M	0.310
33.00	Clean Oil	0.162

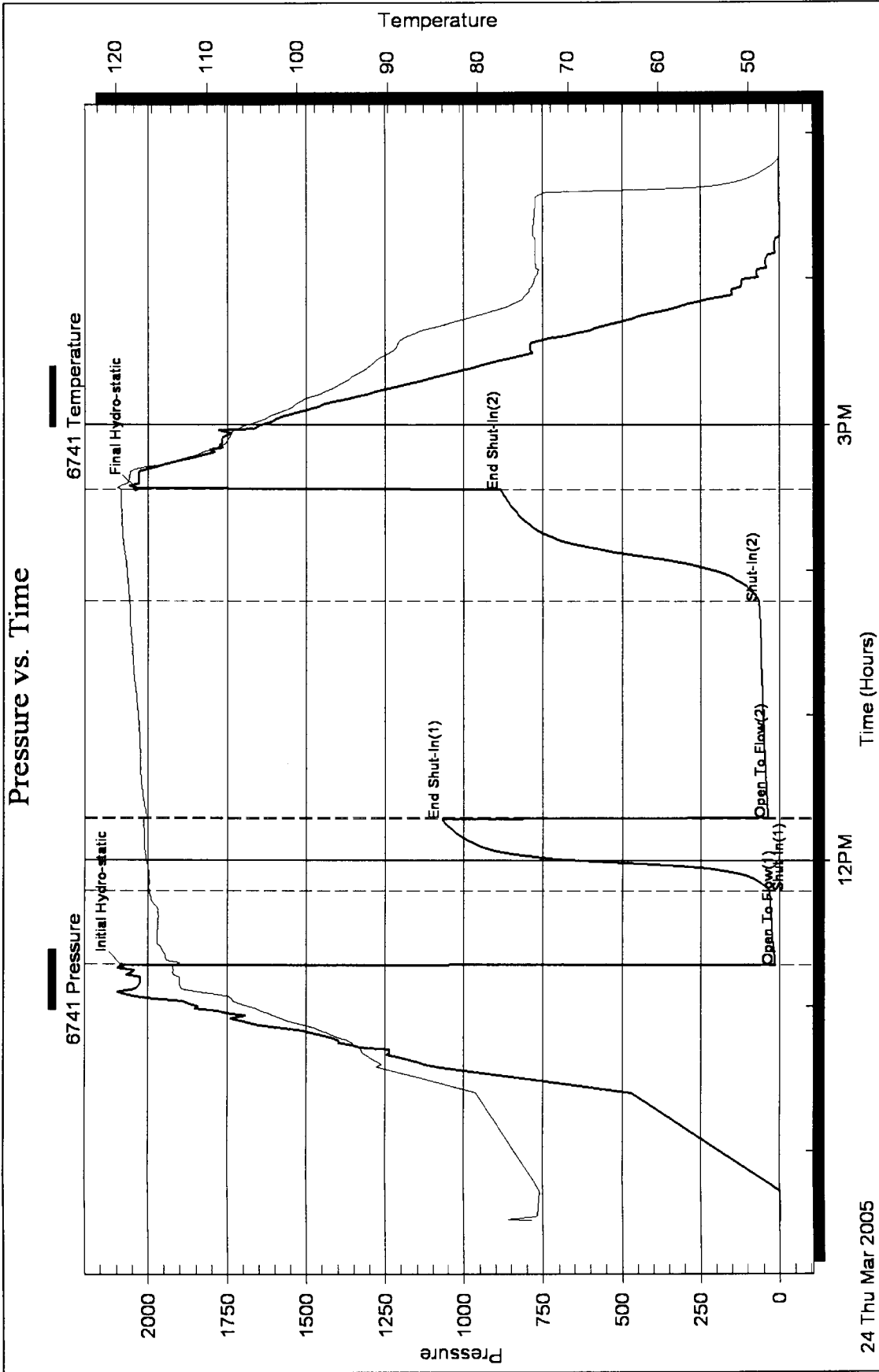
Total Length: 127.00 ft      Total Volume: 0.624 bbl

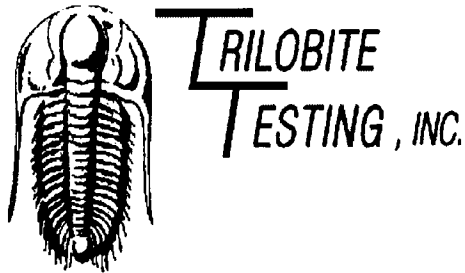
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:

### Pressure vs. Time





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### **29-20S-23W Ness**

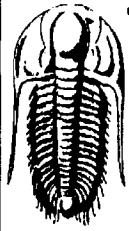
#### **Von Lehe Trust DM #1-29**

Start Date: 2005.03.24 @ 17:50:37

End Date: 2005.03.25 @ 01:48:52

Job Ticket #: 21038                      DST #: 4

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
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 ATTN: Flip Phillips

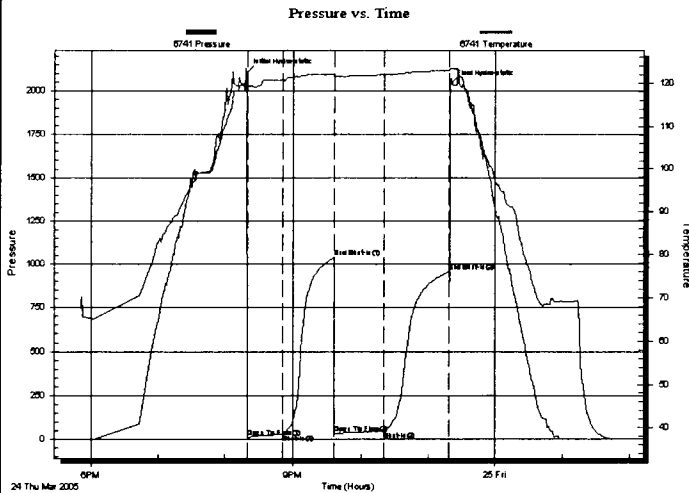
**Von Lehe Trust DM #1-29**  
**29-20S-23W Ness**  
 Job Ticket: 21038 **DST#: 4**  
 Test Start: 2005.03.24 @ 17:50:37

## GENERAL INFORMATION:

Formation: **Mississippi**  
 Deviated: **No Whipstock:** ft (KB)  
 Time Tool Opened: 20:19:37  
 Time Test Ended: 01:48:52  
 Interval: **4333.00 ft (KB) To 4357.00 ft (KB) (TVD)**  
 Total Depth: **4380.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Good**  
 Test Type: **Conventional Straddle**  
 Tester: **Jason McLemore**  
 Unit No: **32**  
 Reference Elevations: **2234.00 ft (KB)**  
**2229.00 ft (CF)**  
 KB to GR/CF: **5.00 ft**

**Serial #: 6741** Inside  
 Press@RunDepth: **45.45 psig @ 4334.00 ft (KB)** Capacity: **7000.00 psig**  
 Start Date: **2005.03.24** End Date: **2005.03.25** Last Calib.: **1899.12.30**  
 Start Time: **17:50:39** End Time: **01:48:52** Time On Btm: **2005.03.24 @ 20:19:22**  
 Time Off Btm: **2005.03.24 @ 23:19:37**

**TEST COMMENT:** FFP-Weak Blow , Built to 1-3/4"  
 ISI-Dead  
 FFP-Weak Blow , Built to 1-1/2"  
 FSI-Dead



## PRESSURE SUMMARY

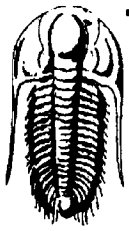
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2103.30	120.31	Initial Hydro-static
1	11.51	119.64	Open To Flow (1)
32	28.58	120.82	Shut-In(1)
77	1038.38	121.98	End Shut-In(1)
78	33.71	121.67	Open To Flow (2)
121	45.45	121.90	Shut-In(2)
180	958.04	122.84	End Shut-In(2)
181	2039.48	123.20	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	HOCM-10%G-30%O-60%M	0.30
30.00	Clean Oil	0.15

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Pintail Petroleum Ltd.  
225 N. Market Ste #300  
Wichita KS 67202  
ATTN: Flip Phillips

**Von Lehe Trust DM #1-29**  
**29-20S-23W Ness**  
Job Ticket: 21038      **DST#: 4**  
Test Start: 2005.03.24 @ 17:50:37

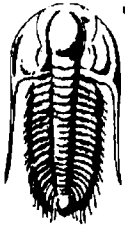
### Tool Information

Drill Pipe:	Length: 4098.00 ft	Diameter: 3.80 inches	Volume: 57.48 bbl	Tool Weight: 3500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 243.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 58.68 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4333.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	4357.00 ft			
Interval between Packers:	24.00 ft			
Tool Length:	72.00 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			4313.00	
Shut In Tool	5.00			4318.00	
Hydraulic tool	5.00			4323.00	
Packer	5.00			4328.00	21.00      Bottom Of Top Packer
Packer	5.00			4333.00	
Stubb	1.00			4334.00	
Recorder	0.00	6741	Inside	4334.00	
Perforations	19.00			4353.00	
Blank Off Sub	1.00			4354.00	
Blank Spacing	3.00			4357.00	24.00      Tool Interval
Packer	5.00			4362.00	
Perforations	19.00			4381.00	
Recorder	0.00	13252	Below	4381.00	
Bullnose	3.00			4384.00	27.00      Bottom Packers & Anchor

**Total Tool Length: 72.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Pintail Petroleum Ltd.

Von Lehe Trust DM #1-29

225 N. Market Ste #300  
Wichita KS 67202

29-20S-23W Ness

Job Ticket: 21038

DST#: 4

ATTN: Flip Phillips

Test Start: 2005.03.24 @ 17:50:37

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbf

Water Loss: 10.97 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbf
60.00	HOCM-10%G-30%O-60%M	0.295
30.00	Clean Oil	0.148

Total Length: 90.00 ft

Total Volume: 0.443 bbf

Num Fluid Samples: 0

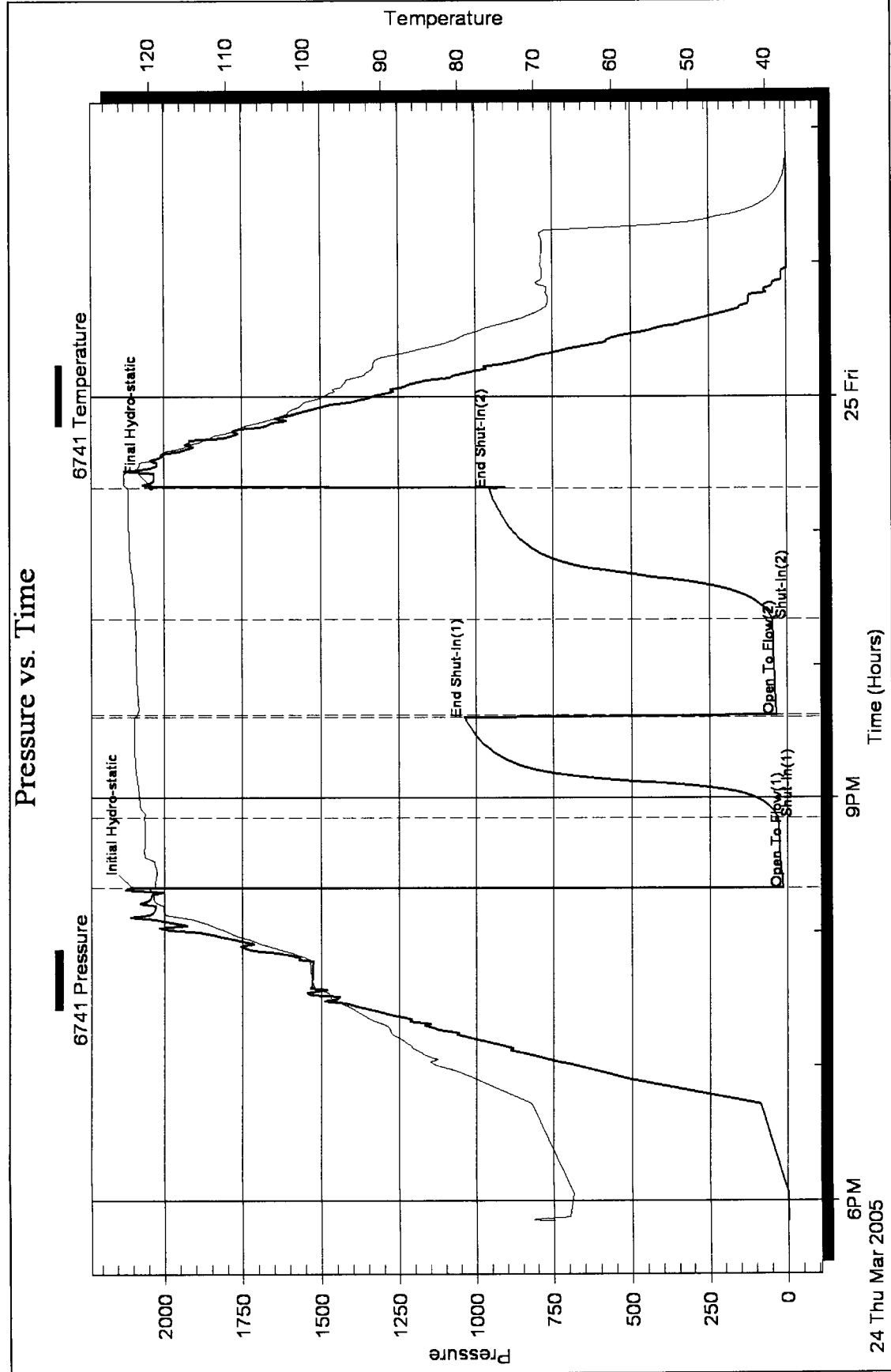
Num Gas Bombs: 0

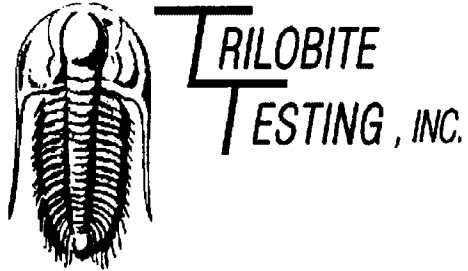
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





## DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum Ltd.**

225 N. Market Ste #300  
Wichita KS 67202

ATTN: Flip Phillips

### **29-20S-23W Ness**

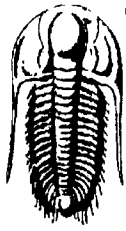
#### **Von Lehe Trust DM #1-29**

Start Date: 2005.03.25 @ 02:58:31

End Date: 2005.03.25 @ 09:46:31

Job Ticket #: 21039                      DST #: 5

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Pintail Petroleum Ltd.  
 225 N. Market Ste #300  
 Wichita KS 67202  
 ATTN: Flip Phillips

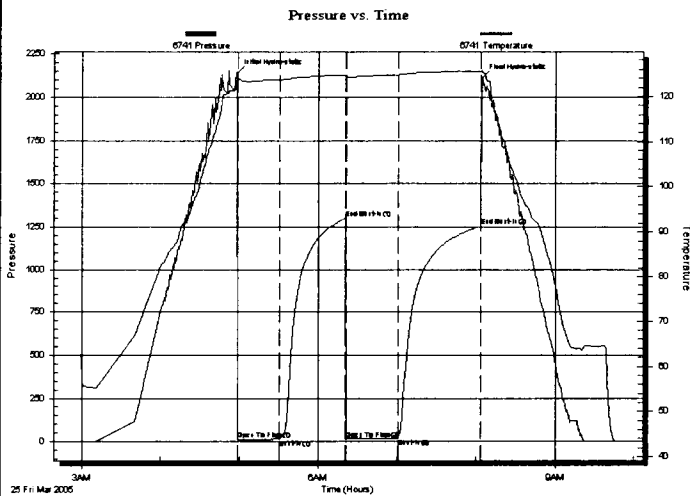
**Von Lehe Trust DM #1-29**  
**29-20S-23W Ness**  
 Job Ticket: 21039      **DST#: 5**  
 Test Start: 2005.03.25 @ 02:58:31

## GENERAL INFORMATION:

Formation: **Mississippi**  
 Deviated: **No Whipstock**      ft (KB)  
 Time Tool Opened: 04:58:31  
 Time Test Ended: 09:46:31  
 Test Type: **Conventional Bottom Hole**  
 Tester: **Jason McLemore**  
 Unit No: **32**  
 Interval: **4361.00 ft (KB) To 4380.00 ft (KB) (TVD)**  
 Total Depth: **4380.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Good**  
 Reference Elevations: **2234.00 ft (KB)**  
**2229.00 ft (CF)**  
 KB to GR/CF: **5.00 ft**

**Serial #: 6741**      **Inside**  
 Press@RunDepth: **19.95 psig @ 4363.00 ft (KB)**      Capacity: **7000.00 psig**  
 Start Date: **2005.03.25**      End Date: **2005.03.25**      Last Calib.: **1899.12.30**  
 Start Time: **02:58:33**      End Time: **09:46:31**      Time On Btm: **2005.03.25 @ 04:58:16**  
 Time Off Btm: **2005.03.25 @ 08:04:16**

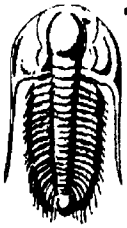
**TEST COMMENT:** **FP-Weak Blow, Built to 1-1/4"**  
**ISI-Dead**  
**FFP-Dead**  
**FSI-Dead**



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2138.12	124.44	Initial Hydro-static
1	10.01	123.42	Open To Flow (1)
33	14.58	123.68	Shut-In(1)
82	1299.58	124.76	End Shut-In(1)
83	14.31	124.05	Open To Flow (2)
122	19.95	124.78	Shut-In(2)
185	1254.80	125.61	End Shut-In(2)
186	2109.22	125.27	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
5.00	SOCM-3%O-97%M	0.02

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



**TRILOBITE**  
TESTING, INC

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petroleum Ltd.  
225 N. Market Ste #300  
Wichita KS 67202  
ATTN: Flip Phillips

Von Lehe Trust DM #1-29  
29-20S-23W Ness  
Job Ticket: 21039      DST#: 5  
Test Start: 2005.03.25 @ 02:58:31

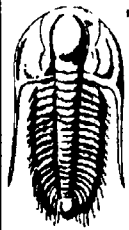
### Tool Information

Drill Pipe:	Length: 4101.00 ft	Diameter: 3.80 inches	Volume: 57.53 bbl	Tool Weight: 2600.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 243.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 58.73 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4361.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	40.00 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			4341.00	
Shut In Tool	5.00			4346.00	
Hydraulic tool	5.00			4351.00	
Packer	5.00			4356.00	21.00      Bottom Of Top Packer
Packer	5.00			4361.00	
Stubb	1.00			4362.00	
Perforations	1.00			4363.00	
Recorder	0.00	6741	Inside	4363.00	
Perforations	14.00			4377.00	
Recorder	0.00	13252	Outside	4377.00	
Bullnose	3.00			4380.00	19.00      Bottom Packers & Anchor

**Total Tool Length: 40.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

FLUID SUMMARY

Pntail Petroleum Ltd.  
225 N. Market Ste #300  
Wchita KS 67202  
ATTN: Flip Phillips

Von Lehe Trust DM #1-29  
29-20S-23W Ness  
Job Ticket: 21039      DST#: 5  
Test Start: 2005.03.25 @ 02:58:31

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	7500 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.97 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	SOCM-3%O-97%M	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

Serial #: 6741

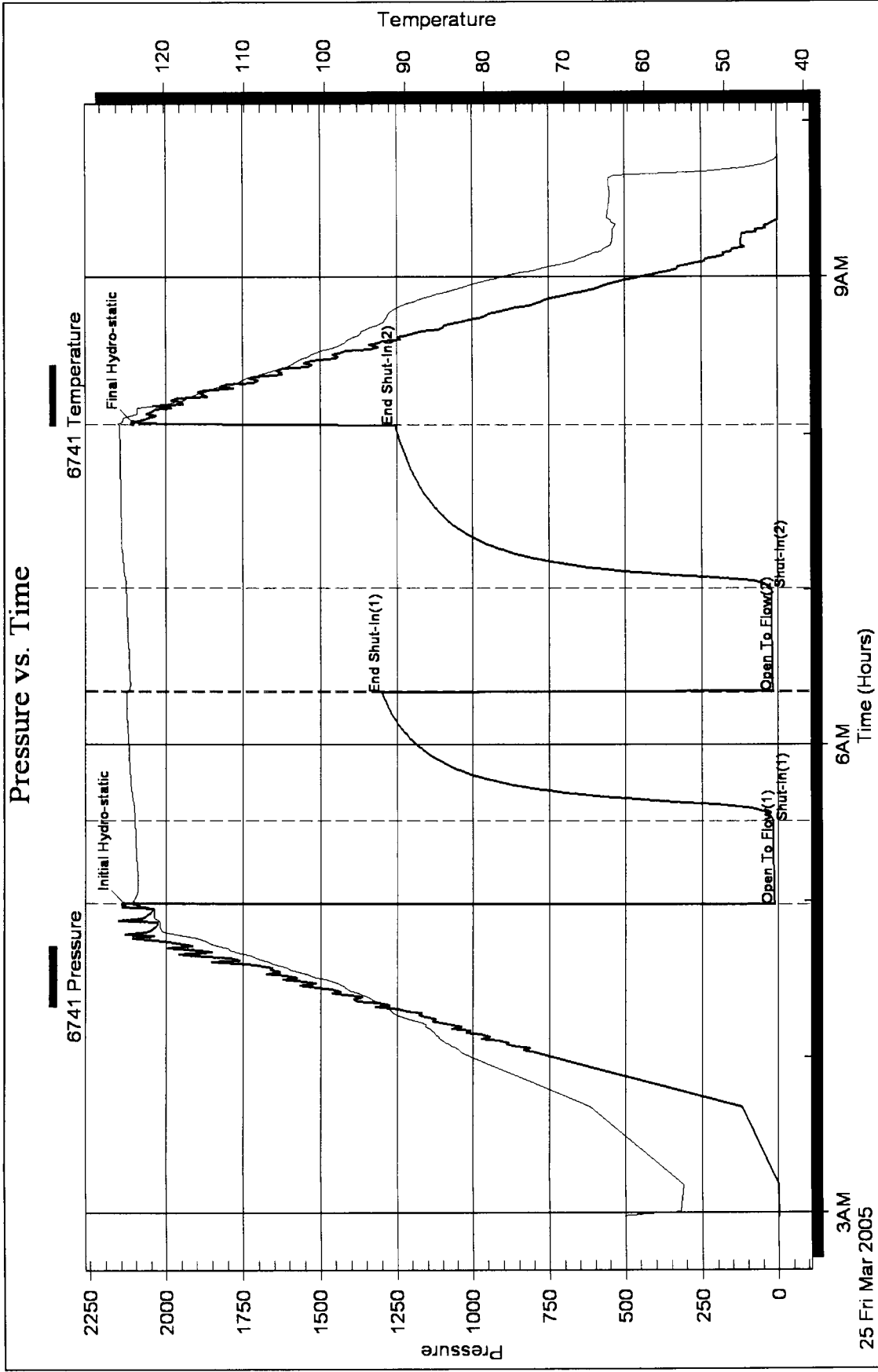
Inside

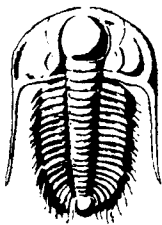
Pintail Petroleum Ltd.

29-20S-23W/Ness

DST Test Number: 5

### Pressure vs. Time





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

TUV  
7310

No 20450

05/03

## Test Ticket

Well Name & No. Van Lehe Trust DM #1-29 Test No. 1 Date 3-22-05  
 Company Pintail Petroleum Ltd. Zone Tested Ft. Scott  
 Address 225 N. Market Ste. 300 Wichita, KS. 67202 Elevation 2234 KB 2229 GL  
 Co. Rep / Geo. Flip Phillip Cont. Mallard #1 Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 29 Twp. 20<sup>S</sup> Rge. 23<sup>W</sup> Co. Ness State KS  
 No. of Copies \_\_\_\_\_ Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 4200 - 4243 Initial Str Wt./Lbs. 58,000 Unseated Str Wt./Lbs. 58,000  
 Anchor Length 43' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 60,000  
 Top Packer Depth 4195 Tool Weight 2,500  
 Bottom Packer Depth 4200 Hole Size 7 7/8" Rubber Size 6 3/4" 242'  
 Total Depth 4243 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run 3949'  
 Mud Wt. 9.1 LCM \_\_\_\_\_ Vis. 50 WL \_\_\_\_\_ Drill Pipe Size 4 1/2" XH Ft. Run \_\_\_\_\_

### Blow Description

IF: Weak to fair built to 9" IS1: Weak surface return throughout  
 FF: Weak to fair off btm 37 mins. FSI: Weak surface return throughout

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>180'</u>	<u>270'</u>	<u>180'</u>	<u>—</u>
Rec. _____	Feet of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. <u>60'</u>	Feet of <u>SGOCM</u>	<u>10</u> %gas <u>2</u> %oil %water <u>88</u> %mud	
Rec. _____	Feet of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. <u>120'</u>	Feet of <u>GOCM</u>	<u>37</u> %gas <u>8</u> %oil %water <u>55</u> %mud	
Rec. _____	Feet of _____	%gas _____ %oil _____ %water _____ %mud _____	
BHT <u>116°</u>	°F Gravity _____	*API D @ _____	°F Corrected Gravity _____ *API _____
RW _____ @ _____ °F	Chlorides _____ ppm	Recovery _____	Chlorides _____ ppm System _____

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2068</u> PSI		<u>6798</u>	
(B) First Initial Flow Pressure	<u>14</u> PSI		(depth) <u>4201</u>	Elec. Rec. _____
(C) First Final Flow Pressure	<u>39</u> PSI		Recorder No. <u>13309</u>	Jars _____
(D) Initial Shut-In Pressure	<u>972</u> PSI		(depth) <u>4238</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>47</u> PSI		Recorder No. _____	Circ Sub <u>X</u> <u>N/C</u>
(F) Second Final Flow Pressure	<u>77</u> PSI		(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>1119</u> PSI	Initial Opening <u>30</u>		Straddle _____
(Q) Final Hydrostatic Mud	<u>1986</u> PSI	Initial Shut-In <u>30</u>		Ext. Packer _____
		Final Flow <u>60</u>		Shale Packer _____
		Final Shut-In <u>45</u>		Mileage <u>1 way 72</u>
		T-On Location <u>1800</u>		Sub Total: <u>1144</u>
		T-Started <u>2000</u>		Std. By _____
		T-Open <u>2157</u>		Other _____
		T-Pulled <u>0045</u>		Total: _____
		T-Out <u>0243</u>		

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.

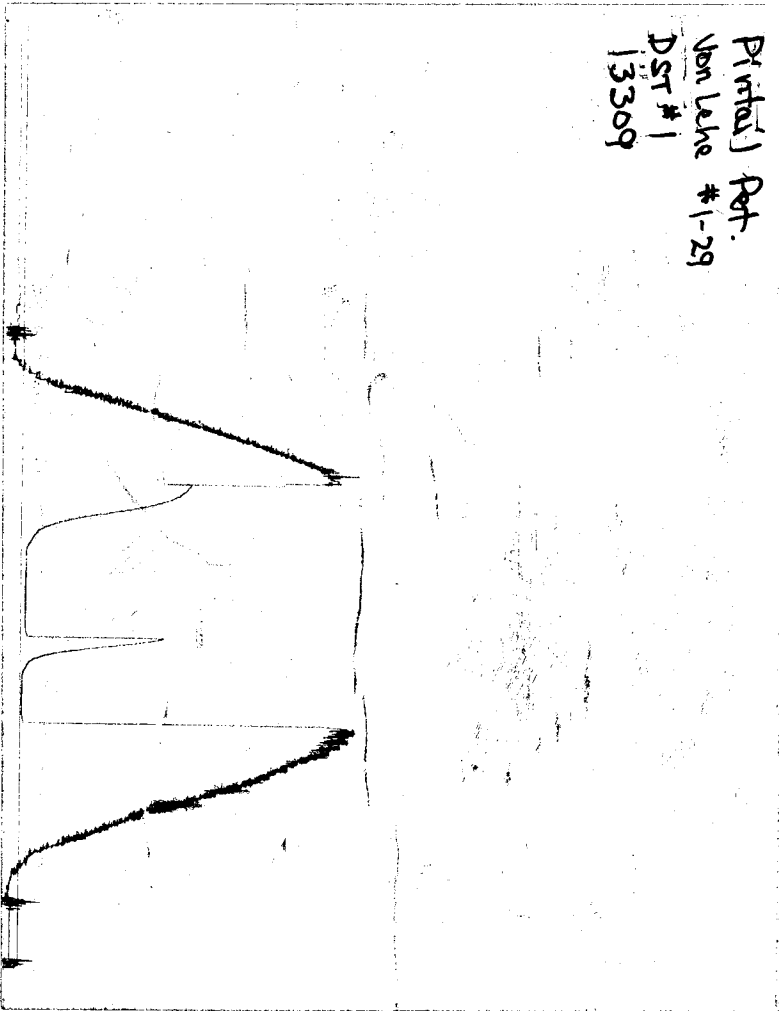
Approved By Walter Phillip

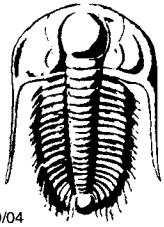
Our Representative Rod Steinbrink

**CHART PAGE**

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

Pitfall Pat.  
Van Lake #1-29  
DST #1  
13309





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 21526

9/04

## Test Ticket

Well Name & No. Von Lehe Trust DM #1-29 Test No. 2 Date 3-23-05  
 Company Pintail Petroleum Ltd. Zone Tested Cherokee-Miss  
 Address 225 N. Market Ste 300 Wichita, KS. 67202 Elevation 2234 KB 2229 GL  
 Co. Rep / Geo. Flip Phillips Cont. Mallard #1 Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 29 Twp. 20<sup>s</sup> Rge. 23<sup>w</sup> Co. Ness State KS.  
 No. of Copies \_\_\_\_\_ Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 4266 - 4336 Initial Str Wt./Lbs. 58,000 Unseated Str Wt/Lbs. 58,000  
 Anchor Length 70' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 60,000  
 Top Packer Depth 4261 Tool Weight 2,500  
 Bottom Packer Depth 4266 Hole Size 7 7/8" Rubber Size 6 3/4"  
 Total Depth 4336 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run 242'  
 Mud Wt. 9.1 LCM \_\_\_\_\_ Vis. 50 WL \_\_\_\_\_ Drill Pipe Size 4 1/2" XH Ft. Run 4010'

Blow Description \_\_\_\_\_  
 IF: Weak blow built to 1/2" decreased to surface ISI: Weak surface blow thru.  
 FF: Weak intermittent blow thru. FSI: No return thru.

Recovery - Total Feet 15' GIP - Ft. in DC 15' Ft. in DP -  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud  
 Rec. 15' Feet of Slightly Oil Stained %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud  
 Rec. \_\_\_\_\_ Feet of Mud %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud  
 BHT 110° °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery \_\_\_\_\_ Chlorides \_\_\_\_\_ ppm System

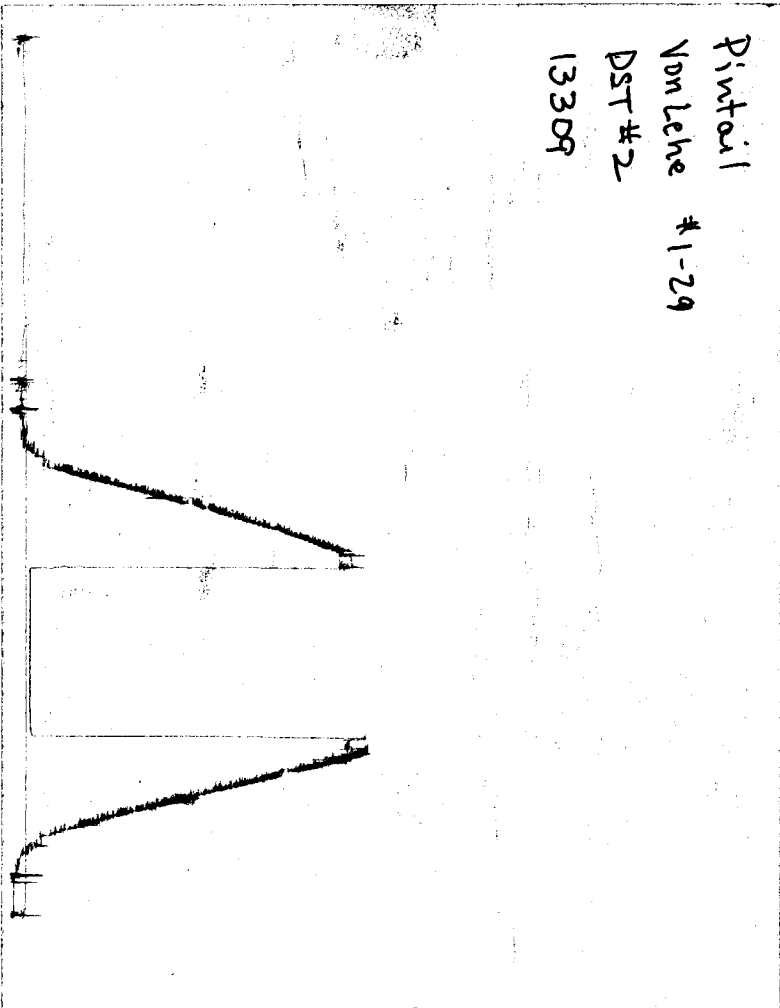
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2108</u>	PSI	<u>6798</u>	_____
(B) First Initial Flow Pressure	<u>16</u>	PSI	(depth) <u>4267</u>	Jars _____
(C) First Final Flow Pressure	<u>19</u>	PSI	Recorder No. <u>13309</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>30</u>	PSI	(depth) <u>4331</u>	Circ Sub <u>X</u> <u>N/C</u>
(E) Second Initial Flow Pressure	<u>18</u>	PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>19</u>	PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>37</u>	PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>2055</u>	PSI	Initial Shut-In <u>30</u>	Shale Packer _____
			Final Flow <u>30</u>	Ruined Packer _____
			Final Shut-In <u>30</u>	Mileage <u>1 way 13</u>
			T-On Location <u>1300</u>	Sub Total: <u>\$1026.00</u>
			T-Started <u>1440</u>	Std. By _____
			T-Open <u>1613</u>	Other _____
			T-Pulled <u>1818</u>	Total: _____
			T-Out <u>2038</u>	

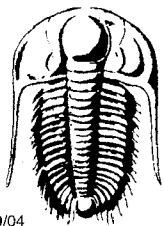
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

Approved By Walt Kulp  
 Our Representative Rod Steinbrink

**CHART PAGE**

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





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 21037

9/04

## Test Ticket

Well Name & No. Von Lake Trust 'DM' 1-29 Test No. 3 Date 3-24-05  
 Company Pintail Petroleum Zone Tested Mississippi  
 Address 225 N. Market, Ste. 300, Wichita, Ks, 67202 Elevation 2234 KB 2229 GL  
 Co. Rep / Geo. Flip Phillips Cont. Mallard Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 29 Twp. 20 S Rge. 23 W Co. Ness State KS  
 No. of Copies Reg Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 4332 - 4346 Initial Str Wt./Lbs. 60,000 Unseated Str Wt./Lbs. 60,000  
 Anchor Length 14' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 65,000  
 Top Packer Depth 4327 Tool Weight 3,500  
 Bottom Packer Depth 4332 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓  
 Total Depth 4380 Wt. Pipe Run 0 Drill Collar Run 243  
 Mud Wt. 9.0 LCM \_\_\_\_\_ Vis. 48 WL 11.0 Drill Pipe Size 4 1/2 XH Ft. Run ~~4098~~ 4098  
 Blow Description IFP - Weak Blow, Built to 2 1/2"  
ISI - Dead  
FFP - Weak Blow, Built to 4"  
FSI - Dead

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
Rec. <u>33</u>	Feet of <u>Clean Oil</u>	%gas _____ %oil _____	%water _____ %mud _____
Rec. <u>63'</u>	Feet of <u>OCM</u>	%gas <u>25</u> %oil _____	%water <u>75</u> %mud _____
Rec. <u>31</u>	Feet of <u>Bottom G HOCM</u>	<u>25</u> %gas <u>35</u> %oil _____	%water <u>40</u> %mud _____
Rec. _____	Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
BHT <u>119'</u>	°F Gravity <u>39</u>	°API D @ <u>50°</u>	°F Corrected Gravity <u>38</u> °API _____
RW _____ @ _____ °F	Chlorides _____ ppm	Recovery _____	Chlorides <u>4,000</u> ppm System

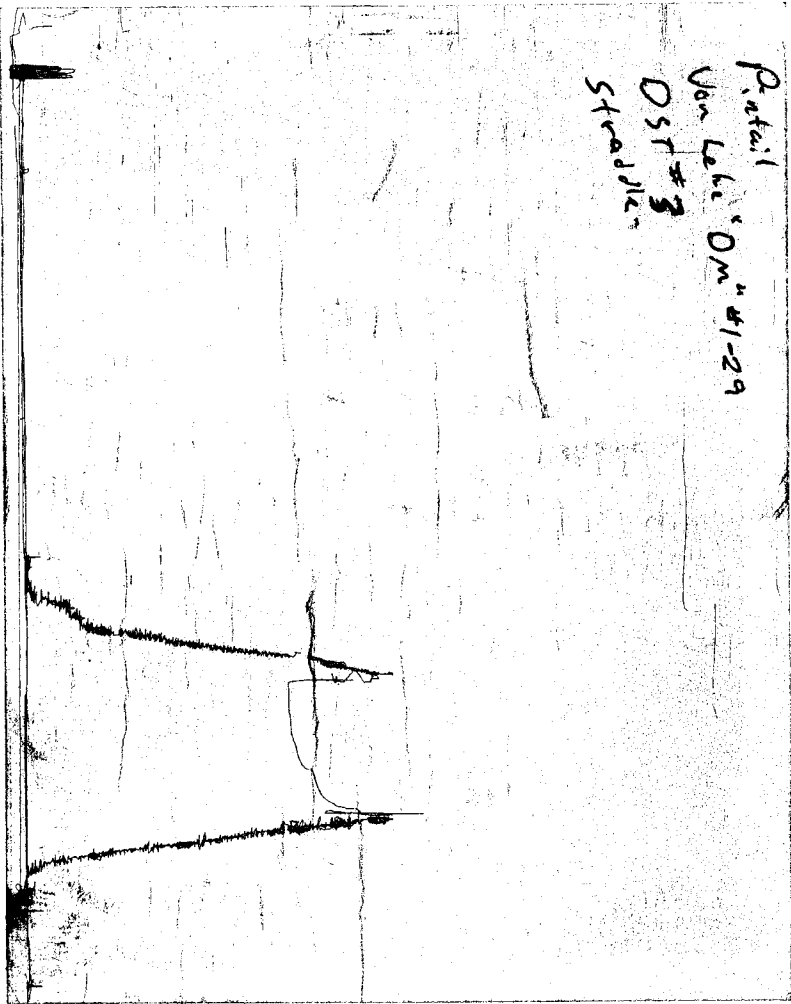
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2081</u>	PSI	<u>6741</u>	✓
(B) First Initial Flow Pressure	<u>12</u>	PSI	(depth) <u>4333</u>	Jars _____
(C) First Final Flow Pressure	<u>30</u>	PSI	Recorder No. <u>13221</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>1072</u>	PSI	(depth) <u><del>4334</del> 4347</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>35</u>	PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>62</u>	PSI	(depth) _____	<u>Straddle</u>
(G) Final Shut-In Pressure	<u>884</u>	PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>2038</u>	PSI	Initial Shut-In <u>30</u>	Shale Packer _____
			Final Flow <u>90</u>	Ruined Packer _____
			Final Shut-In <u>49</u>	Mileage <u>144</u>
			T-On Location <u>8:45</u>	Sub Total: <u>1394</u>
			T-Started <u>9:31</u>	Std. By _____
			T-Open <u>11:16</u>	Other _____
			T-Pulled <u>14:31</u>	Total: _____
			T-Out <u>16:45</u>	

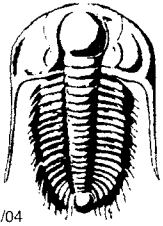
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

Approved By Walter Phillips  
 Our Representative Jason McTomson *Mark You*

**CHART PAGE**

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





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 21038

9/04

## Test Ticket

Well Name & No. Von Lake Trust "DM" #1-29 Test No. 4 Date 3-24-05  
 Company Pintail Petroleum Zone Tested Mississippi  
 Address 225 N. Market, Ste. 300, Wichita, Ks 67202 Elevation 2234 KB 2229 GL  
 Co. Rep / Geo. Flip Phillips Cont. Mallard Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 29 Twp. 20s Rge. 23w Co. Ness State Ks  
 No. of Copies Reg Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 4333 - 4357 Initial Str Wt./Lbs. 60,000 Unseated Str Wt./Lbs. 60,000  
 Anchor Length 24' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 65,000  
 Top Packer Depth 4328 Tool Weight 3500  
 Bottom Packer Depth 4333 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓  
 Total Depth 4380 Wt. Pipe Run 0 Drill Collar Run 243  
 Mud Wt. 9.0 LCM \_\_\_\_\_ Vis. 48 WL 11.0 Drill Pipe Size 4 1/2 XH Ft. Run 4098  
 Blow Description IFP - Weak Blow, Built to 1 3/4"  
ISI - Dead  
FFP - Weak Blow, Built to 1 1/2  
FSI - Dead

Recovery - Total Feet 90 GIP \_\_\_\_\_ Ft. in DC \_\_\_\_\_ Ft. in DP \_\_\_\_\_  
 Rec. 30 Feet of Clean oil %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. 60 Feet of HOCM 10 %gas \_\_\_\_\_ 30 %oil \_\_\_\_\_ %water \_\_\_\_\_ 60 %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 BHT 123 °F Gravity 40 °API D @ 40 °F Corrected Gravity 38 °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery \_\_\_\_\_ Chlorides 4,000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>2103</u> PSI	<u>6741</u>	<u>1000</u>
(B) First Initial Flow Pressure		<u>12</u> PSI	(depth) <u>4334</u>	Jars _____
(C) First Final Flow Pressure		<u>29</u> PSI	Recorder No. <u>13221</u>	Safety Jt. _____
(D) Initial Shut-In Pressure		<u>1038</u> PSI	(depth) <u>4377</u>	Circ Sub _____
(E) Second Initial Flow Pressure		<u>34</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure		<u>45</u> PSI	(depth) _____	<u>Straddle</u> <u>250</u>
(G) Final Shut-In Pressure		<u>958</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud		<u>2039</u> PSI	Initial Shut-In <u>45</u>	Shale Packer _____
			Final Flow <u>60</u>	Ruined Packer _____
			Final Shut-In _____	Mileage _____

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Approved By \_\_\_\_\_  
 Our Representative Jaron McLamore

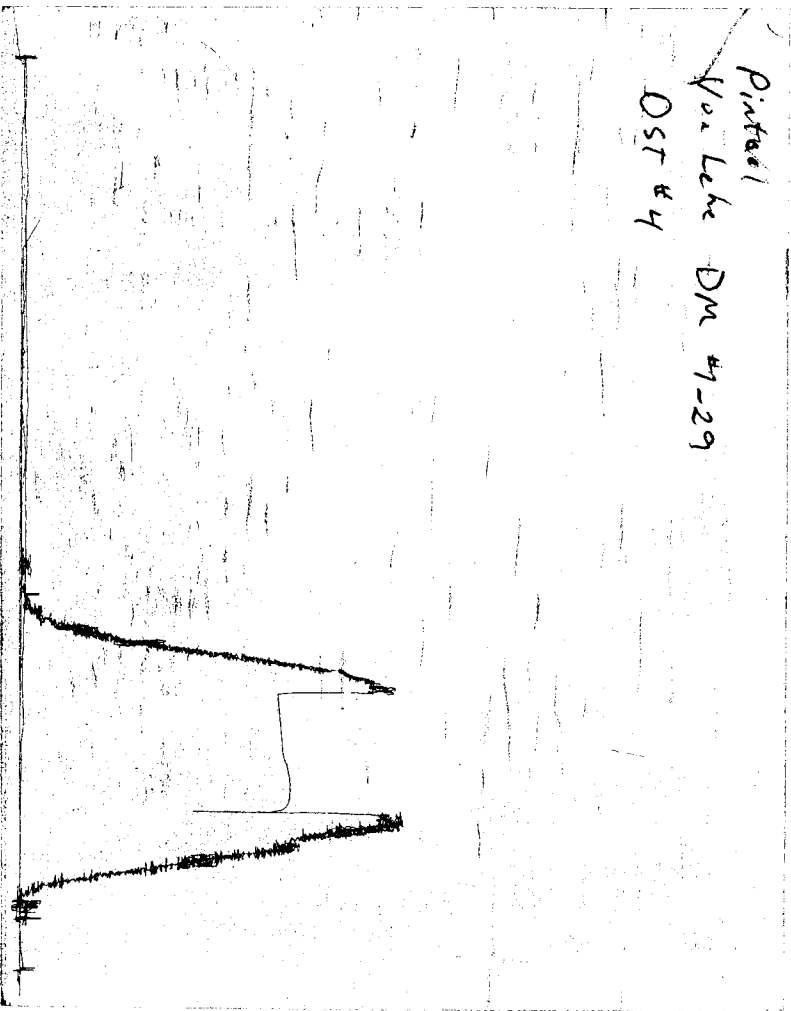
T-On Location  
 T-Started 17:50  
 T-Open 20:20  
 T-Pulled 23:20  
 T-Out 1:40

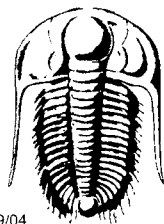
Sub Total: 1250  
 Std. By \_\_\_\_\_  
 Other \_\_\_\_\_  
 Total: \_\_\_\_\_

*Thank you*

**CHART PAGE**

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





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 21039

## Test Ticket

Well Name & No. Von Lehe Trust "DM" #1-29 Test No. 5 Date 3-25-05  
 Company Pintail Petroleum Zone Tested Mississippi  
 Address 225 N. Market, Ste. 300, Wichita, Ks. 67202 Elevation 2234 KB 2229 GL  
 Co. Rep / Geo. Flip Phillips Cont. Mallard Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
 Location: Sec. 29 Twp. 20s Rge. 23w Co. Ness State Ks  
 No. of Copies Reg Disbtribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 4361 - 4380 Initial Str Wt./Lbs. 60,000 Unseated Str Wt/Lbs. \_\_\_\_\_  
 Anchor Length 19' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. \_\_\_\_\_  
 Top Packer Depth 4356 Tool Weight 2600 \_\_\_\_\_  
 Bottom Packer Depth ~~4300~~ 4361 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓  
 Total Depth 4380 Wt. Pipe Run 0 Drill Collar Run 243  
 Mud Wt. \_\_\_\_\_ LCM \_\_\_\_\_ Vis. \_\_\_\_\_ WL \_\_\_\_\_ Drill Pipe Size 4 1/2 X 11 Ft. Run ~~4000~~ 4101  
 Blow Description IFP - Weak Blow, Built to 1 1/4"  
ISI - Dead  
FFP -  
FSI -

Recovery - Total Feet 5 GIP \_\_\_\_\_ Ft. in DC \_\_\_\_\_ Ft. in DP \_\_\_\_\_  
 Rec. 5 Feet of Socm %gas 3 %oil \_\_\_\_\_ %water 97 %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 126 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW 1.150 @ 43° °F Chlorides 7,500 ppm Recovery \_\_\_\_\_ Chlorides 6,000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	2138	PSI	<u>6741</u>	✓
(B) First Initial Flow Pressure	10	PSI	<u>4362</u>	Jars
(C) First Final Flow Pressure	15	PSI	<u>13221</u>	Safety Jt.
(D) Initial Shut-In Pressure	1299	PSI	<u>4377</u>	Circ Sub
(E) Second Initial Flow Pressure	14	PSI		Sampler
(F) Second Final Flow Pressure	20	PSI		Straddle
(G) Final Shut-In Pressure	1255	PSI	<u>Initial Opening 30</u>	Ext. Packer
(Q) Final Hydrostatic Mud	2109	PSI	<u>Initial Shut-In 45</u>	Shale Packer
			<u>Final Flow 45</u>	Ruined Packer
			<u>Final Shut-In 60</u>	Mileage

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Approved By \_\_\_\_\_

Our Representative Jason Mc Jeman

T-On Location

T-Started	<u>2:58</u>
T-Open	<u>4:58</u>
T-Pulled	<u>7:58</u>
T-Out	<u>9:45</u>

Sub Total: 1000  
 Std. By \_\_\_\_\_  
 Other \_\_\_\_\_  
 Total: \_\_\_\_\_

**CHART PAGE**

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

