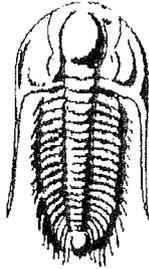


15-155-21483

6-22s-10w ORIGINAL

RECEIVED
AUG 02 2005
KCC WICHITA



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Lachenmayr Oil Co.**

904 Emmaline
Newton Ks. 67114

ATTN: Tod Morgenstern

6-22s-10w Reno Ks.

Black Trust #1

Start Date: 2005.05.01 @ 18:09:09

End Date: 2005.05.01 @ 21:52:09

Job Ticket #: 20669 DST #: 1

15-155-21483

C N2 SW SE

990 FSL 1980 FEL

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Lachenmayr Oil Co.

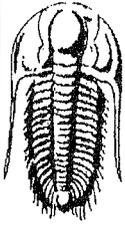
Black Trust #1

6-22s-10w Reno Ks.

DST # 1

Cong. Viola

2005.05.01



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Lachenmayr Oil Co.

Black Trust #1

904 Emmaline
New ton Ks. 67114

6-22s-10w Reno Ks.

ATTN: Tod Morgenstern

Job Ticket: 20669 DST#: 1

Test Start: 2005.05.01 @ 18:09:09

GENERAL INFORMATION:

Formation: **Cong. Viola**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:46:39
 Time Test Ended: 21:52:09

Test Type: Conventional Straddle
 Tester: Gary Pevoteaux
 Unit No: 23

Interval: **3440.00 ft (KB) To 3493.00 ft (KB) (TVD)**
 Total Depth: 3618.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1770.00 ft (KB)
 1761.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 6755

Inside

Press@RunDepth: psig @ 3441.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2005.05.01 End Date: 2005.05.01

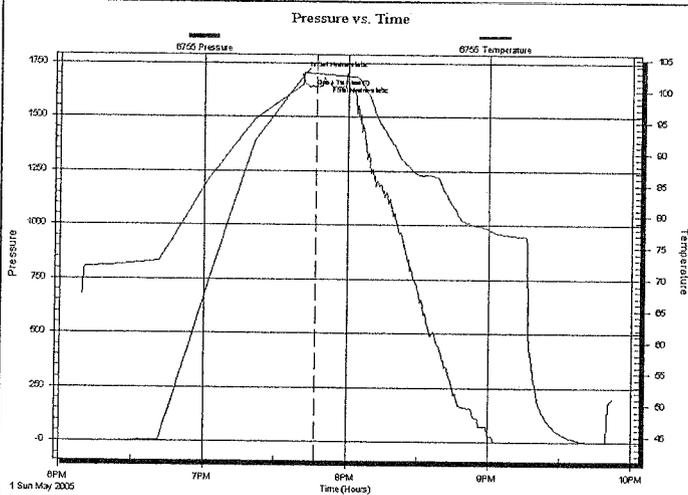
Last Calib.: 2005.05.01

Start Time: 18:09:14 End Time: 21:52:09

Time On Btm: 2005.05.01 @ 19:41:09

Time Off Btm: 2005.05.01 @ 19:50:24

TEST COMMENT: IF: Strong blow. Packers failing. Picked up & re-set. Upper packers failed! MSRUN



PRESSURE SUMMARY

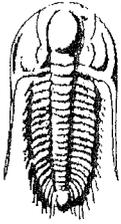
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1693.30	101.07	Initial Hydro-static
6	1638.13	102.77	Open To Flow (1)
10	1675.68	102.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
330.00	Drig. mud	4.63

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Lachenmayr Oil Co.

Black Trust #1

904 Emmaline
New ton Ks.67114

6-22s-10w Reno Ks.

Job Ticket: 20669

DST#: 1

ATTN: Tod Morgenstern

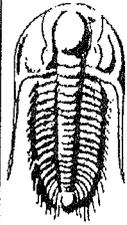
Test Start: 2005.05.01 @ 18:09:09

Tool Information

Drill Pipe:	Length: 3443.00 ft	Diameter: 3.80 inches	Volume: 48.30 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 52000.00 lb
			Total Volume: 48.30 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3440.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	3493.00 ft			
Interval between Packers:	53.00 ft			
Tool Length:	198.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3421.00	
Shut In Tool	5.00			3426.00	
Hydraulic tool	5.00			3431.00	
Packer	4.00			3435.00	20.00 Bottom Of Top Packer
Packer	5.00			3440.00	
Stubb	1.00			3441.00	
Recorder	0.00	6755	Inside	3441.00	
Perforations	5.00			3446.00	
Change Over Sub	1.00			3447.00	
Blank Spacing	30.00			3477.00	
Change Over Sub	1.00			3478.00	
Perforations	11.00			3489.00	
Recorder	0.00	10290	Outside	3489.00	
Blank Off Sub	1.00			3490.00	
travel collar	3.00			3493.00	53.00 Tool Interval
Packer	0.00			3493.00	
Stubb	1.00			3494.00	
Change Over Sub	1.00			3495.00	
Blank Spacing	120.00			3615.00	
Change Over Sub	1.00			3616.00	
Recorder	0.00	13222	Below	3616.00	
Bullnose	2.00			3618.00	125.00 Bottom Packers & Anchor
Total Tool Length:	198.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Lachenmayr Oil Co.

Black Trust #1

904 Emmaline
New ton Ks. 67114

6-22s-10w Reno Ks.

Job Ticket: 20669

DST#: 1

ATTN: Tod Morgenstern

Test Start: 2005.05.01 @ 18:09:09

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:

7000 ppm

Viscosity: 40.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
330.00	Drig.mud	4.629

Total Length: 330.00 ft Total Volume: 4.629 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

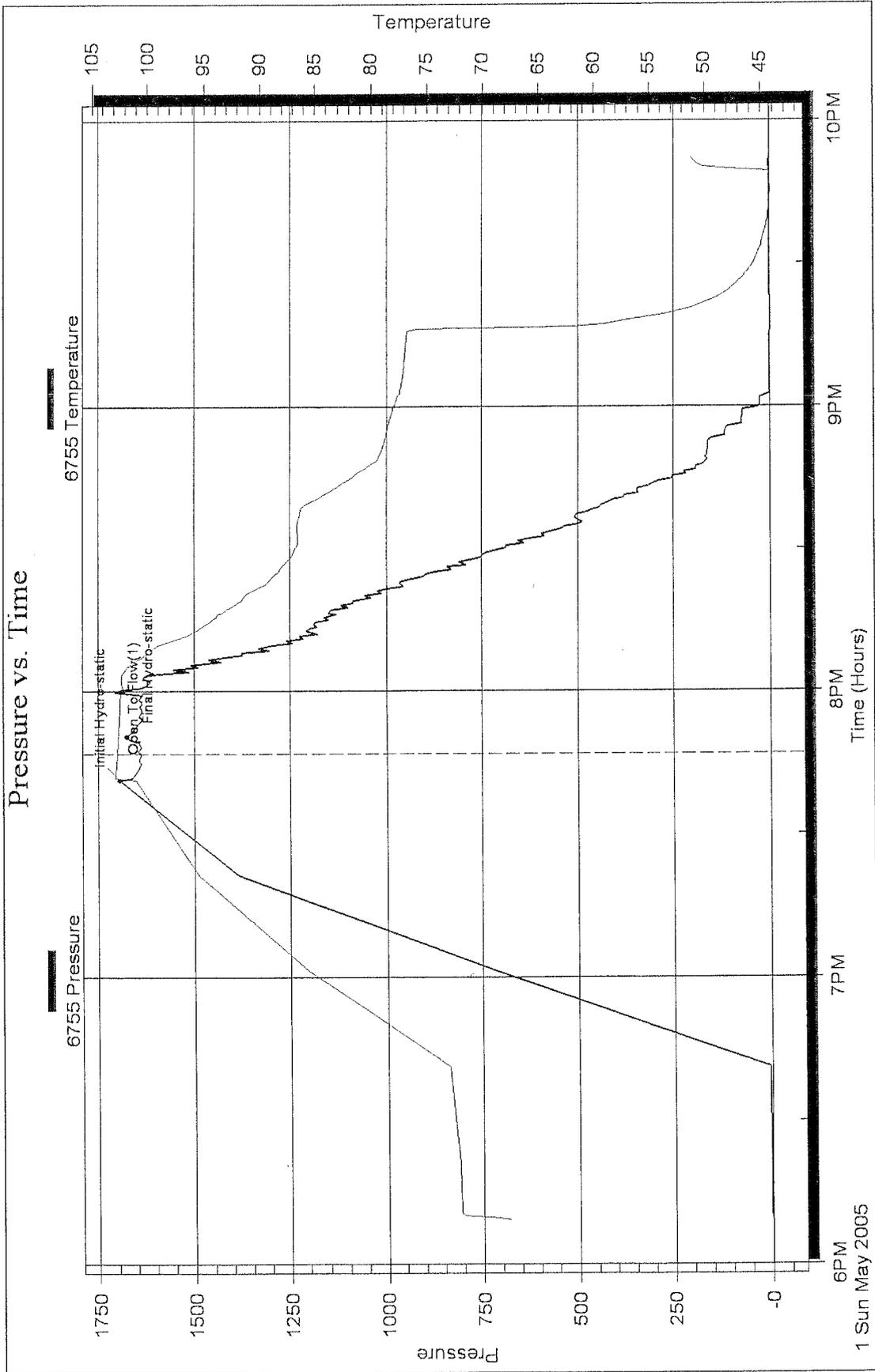
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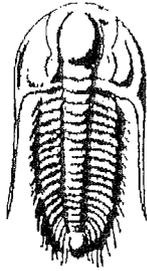
Serial #: 6755

Inside Lachenmayr Oil Co.

6-22s-10w Reno Ks.

DST Test Number: 1





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Lachenmayr Oil Co.**

904 Emmaline
Newton Ks.67114

ATTN: Tod Morgenstern

6-22s-10w Reno Ks.

Black Trust #1

Start Date: 2005.05.01 @ 22:01:31

End Date: 2005.05.02 @ 03:55:16

Job Ticket #: 20670 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Lachenmayr Oil Co.

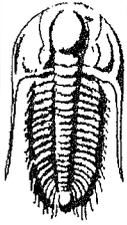
Black Trust #1

6-22s-10w Reno Ks.

DST # 2

Cong./Viola

2005.05.01



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Lachenmayr Oil Co.

904 Emmaline
New ton Ks. 67114

ATTN: Tod Morgenstern

Black Trust #1

6-22s-10w Reno Ks.

Job Ticket: 20670

DST#: 2

Test Start: 2005.05.01 @ 22:01:31

GENERAL INFORMATION:

Formation: **Cong./Viola**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: 23:40:46
 Time Test Ended: 03:55:16

Test Type: **Conventional Straddle**
 Tester: **Gary Pevoteaux**
 Unit No: **23**

Interval: **3400.00 ft (KB) To 3493.00 ft (KB) (TVD)**
 Total Depth: **3618.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **1770.00 ft (KB)**
1761.00 ft (CF)
 KB to GR/CF: **9.00 ft**

Serial #: 6755

Inside

Press@RunDepth: **1189.75 psig @ 3401.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2005.05.01**

End Date:

2005.05.02

Last Calib.: **2005.05.02**

Start Time: **22:01:36**

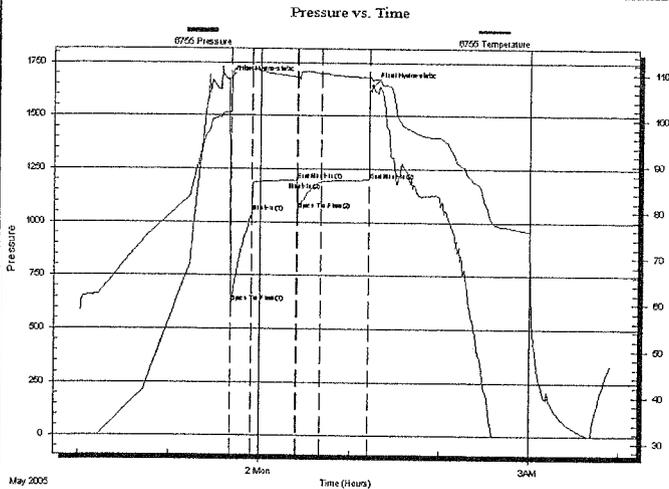
End Time:

03:55:15

Time On Btm: **2005.05.01 @ 23:39:01**

Time Off Btm: **2005.05.02 @ 01:14:01**

TEST COMMENT: IF: Strong blow . B.O.B. in 5 secs.
 IS: No blow .
 FF: Strong blow . B.O.B. in 8 secs.
 FSI: No blow .



PRESSURE SUMMARY

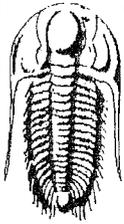
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1670.23	101.68	Initial Hydro-static
2	622.46	103.12	Open To Flow (1)
16	1044.75	111.04	Shut-In(1)
45	1197.40	109.38	End Shut-In(1)
46	1058.43	109.33	Open To Flow (2)
61	1189.75	110.20	Shut-In(2)
93	1198.81	109.25	End Shut-In(2)
95	1641.36	108.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
360.00	MMV 40% m 60% w	5.05
2340.00	SW Fw .13 ohns @56 deg.	32.82

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Lachenmayr Oil Co.

Black Trust #1

904 Enmaline
New ton Ks. 67114

6-22s-10w Reno Ks.

Job Ticket: 20670

DST#: 2

ATTN: Tod Morgenstern

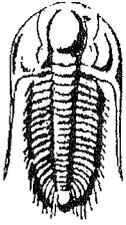
Test Start: 2005.05.01 @ 22:01:31

Tool Information

Drill Pipe:	Length: 3393.00 ft	Diameter: 3.80 inches	Volume: 47.59 bbl	Tool Weight: 2100.00 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: 63000.00 lb
			<u>Total Volume: 47.59 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3400.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	3493.00 ft			
Interval between Packers:	93.00 ft			
Tool Length:	238.00 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			3381.00	
Shut In Tool	5.00			3386.00	
Hydraulic tool	5.00			3391.00	
Packer	4.00			3395.00	20.00 Bottom Of Top Packer
Packer	5.00			3400.00	
Stubb	1.00			3401.00	
Recorder	0.00	6755	Inside	3401.00	
Perforations	5.00			3406.00	
Change Over Sub	1.00			3407.00	
Blank Spacing	61.00			3468.00	
Change Over Sub	1.00			3469.00	
Perforations	20.00			3489.00	
Recorder	0.00	10290	Outside	3489.00	
Blank Off Sub	1.00			3490.00	
travel collar	3.00			3493.00	93.00 Tool Interval
Packer	0.00			3493.00	
Stubb	1.00			3494.00	
Change Over Sub	1.00			3495.00	
Blank Spacing	120.00			3615.00	
Change Over Sub	1.00			3616.00	
Recorder	0.00	13222	Below	3616.00	
Bullnose	2.00			3618.00	125.00 Bottom Packers & Anchor
Total Tool Length:	238.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Lachenmayr Oil Co.

Black Trust #1

904 Emmaline
New ton Ks. 67114

6-22s-10w Reno Ks.

Job Ticket: 20670

DST#: 2

ATTN: Tod Morgenstern.

Test Start: 2005.05.01 @ 22:01:31

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:	77000 ppm
Viscosity: 40.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.39 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 7000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
360.00	MMW 40% m 60% w	5.050
2340.00	SW Rw .13 ohms @56 deg.	32.824

Total Length: 2700.00 ft Total Volume: 37.874 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

