

CONFIDENTIAL

10-17s-31w

ORIGINAL

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TRILOBITE  
TESTING, INC.

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DRILL STEM TEST REPORT

Prepared For: Lario Oil & Gas Co

301 South Market  
Wichita Ks 67202

RELEASED

MAR 1 2004

FROM CONFIDENTIAL

ATTN: Jay G Schwelkert

10-17s-31w Scott Ks

Schoonover #1-10

Start Date: 2003.09.22 @ 12:07:53

End Date: 2003.09.22 @ 18:14:22

Job Ticket #: 18695 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Lario Oil & Gas Co

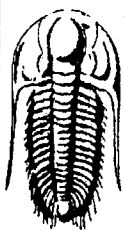
Schoonover #1-10

10-17s-31w Scott Ks

DST # 1

Lans

2003.09.22



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas Co

301 South Market  
Wichita Ks 67202

ATTN: Jay G Schwelkert

Schoonover #1-10

10-17s-31w Scott Ks

Job Ticket: 18695

DST#: 1

Test Start: 2003.09.22 @ 12:07:53

### GENERAL INFORMATION:

Formation: Lans

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:51:52

Time Test Ended: 18:14:22

Interval: 4018.00 ft (KB) To 4031.00 ft (KB) (TVD)

Total Depth: 4031.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

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Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Reference Elevations: 2923.00 ft (KB)

2918.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6668

Inside

Press@RunDepth: 34.27 psig @ 4019.01 ft (KB)

Start Date: 2003.09.22

End Date:

2003.09.22

Start Time: 12:07:53

End Time:

18:14:22

Capacity: 7000.00 psig

Last Calib.: 2003.09.22

Time On Btm: 2003.09.22 @ 13:48:52

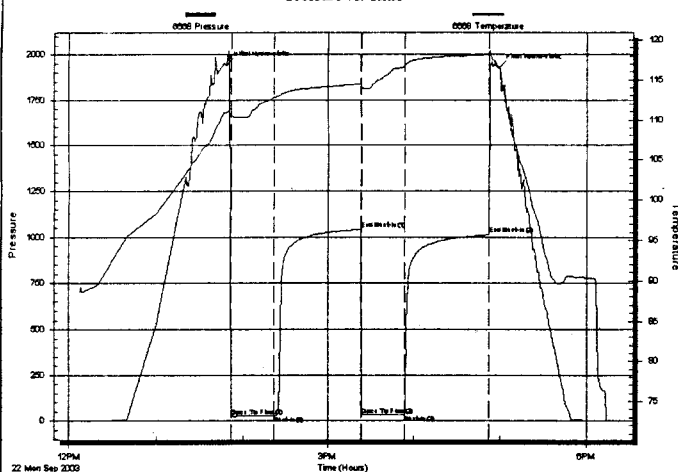
Time Off Btm: 2003.09.22 @ 16:59:22

TEST COMMENT: IFF-w k surface bl died in 20 min

FFP-no bl

Times 30-60-30-60

Pressure vs. Time



### PRESSURE SUMMARY

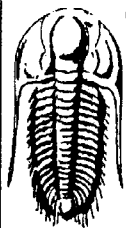
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1942.19         | 110.85       | Initial Hydro-static |
| 3           | 24.75           | 110.49       | Open To Flow (1)     |
| 33          | 27.23           | 112.84       | Shut-In (1)          |
| 94          | 1041.10         | 114.51       | End Shut-In (1)      |
| 95          | 29.77           | 114.14       | Open To Flow (2)     |
| 125         | 34.27           | 116.67       | Shut-In (2)          |
| 184         | 1012.50         | 118.16       | End Shut-In (2)      |
| 191         | 1925.50         | 116.51       | Final Hydro-static   |

### Recovery

| Length (ft) | Description        | Volume (bbl) |
|-------------|--------------------|--------------|
| 35.00       | mud w/ show of oil | 0.49         |
|             |                    |              |
|             |                    |              |
|             |                    |              |
|             |                    |              |

### Gas Rates

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



**TRILOBITE**  
TESTING, INC.

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Lario Oil & Gas Co

Schoonover #1-10

301 South Market  
Wichita Ks 67202

10-17s-31w Scott Ks

Job Ticket: 18695

DST#: 1

ATTN: Jay G Schwelkert

Test Start: 2003.09.22 @ 12:07:53

### Tool Information

|                           |                    |                       |                         |                                    |
|---------------------------|--------------------|-----------------------|-------------------------|------------------------------------|
| Drill Pipe:               | Length: 3998.00 ft | Diameter: 3.80 inches | Volume: 56.08 bbl       | Tool Weight: 2800.00 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: 95000.00 lb  |
|                           |                    |                       | Total Volume: 56.08 bbl | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 8.00 ft            |                       |                         | String Weight: Initial 60000.00 lb |
| Depth to Top Packer:      | 4018.00 ft         |                       |                         | Final 60000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                         |                                    |
| Interval between Packers: | 13.02 ft           |                       |                         |                                    |
| Tool Length:              | 41.02 ft           |                       |                         |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                         |                                    |
| Tool Comments:            |                    |                       |                         |                                    |

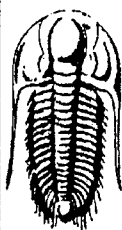
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| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 3991.00    |                               |
| Shut In Tool     | 5.00        |            |          | 3996.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 4001.00    |                               |
| Jars             | 5.00        |            |          | 4006.00    |                               |
| Safety Joint     | 2.00        |            |          | 4008.00    |                               |
| Packer           | 5.00        |            |          | 4013.00    | 28.00 Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 4018.00    |                               |
| Stubb            | 1.00        |            |          | 4019.00    |                               |
| Recorder         | 0.01        | 6668       | Inside   | 4019.01    |                               |
| Perforations     | 9.00        |            |          | 4028.01    |                               |
| Recorder         | 0.01        | 11085      | Outside  | 4028.02    |                               |
| Bullnose         | 3.00        |            |          | 4031.02    | 13.02 Bottom Packers & Anchor |

Total Tool Length: 41.02



**TRILOBITE  
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## DRILL STEM TEST REPORT

FLUID SUMMARY

Lario Oil & Gas Co

Schoonover #1-10

301 South Market  
Wichita Ks 67202

10-17s-31w Scott Ks

Job Ticket: 18695

DST#: 1

ATTN: Jay G Schwelkert

Test Start: 2003.09.22 @ 12:07:53

### 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: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.12 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1300.00 ppm

Filter Cake: 2.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description        | Volume<br>bbl |
|--------------|--------------------|---------------|
| 35.00        | mud w/ show of oil | 0.491         |

Total Length: 35.00 ft

Total Volume: 0.491 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

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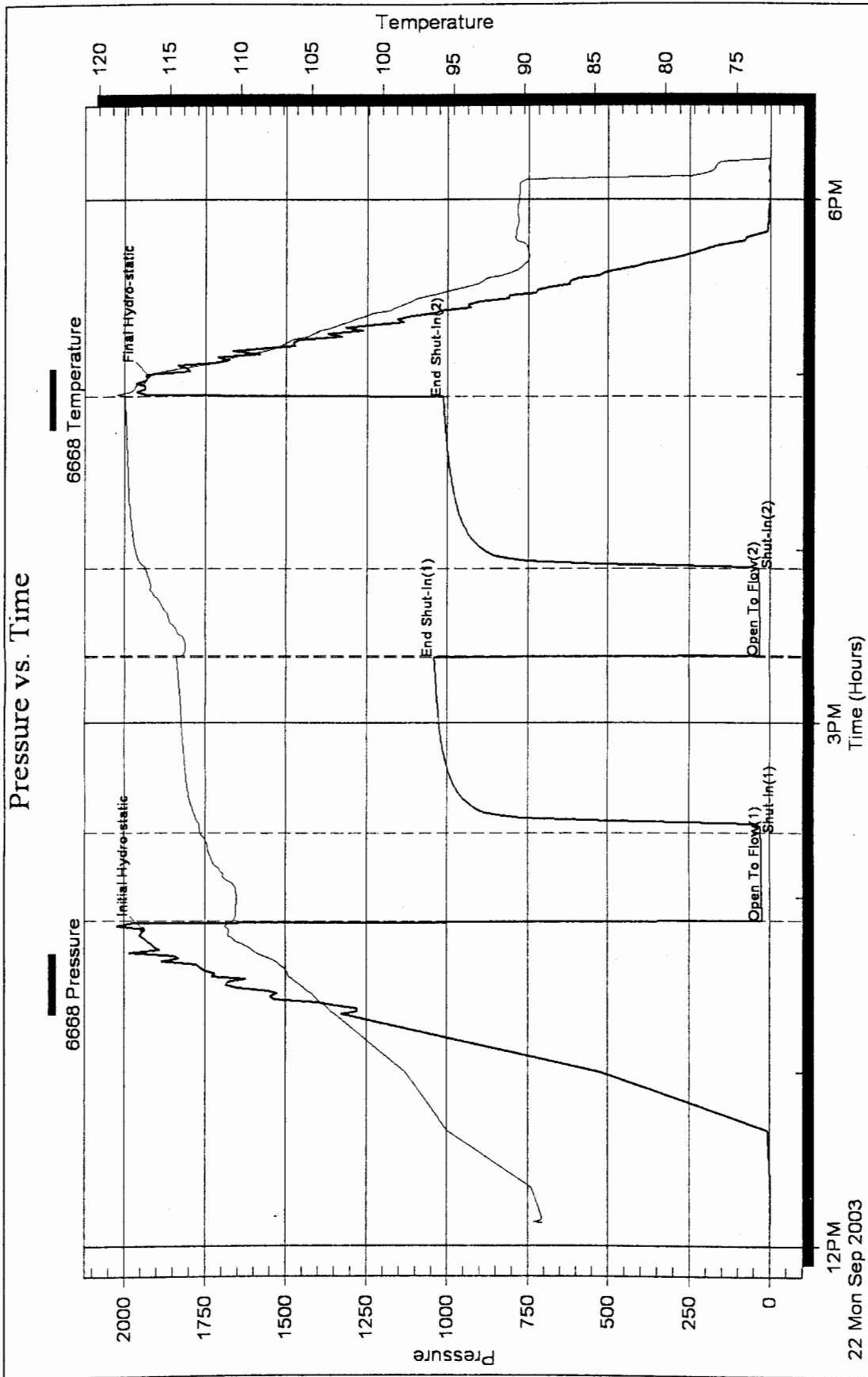
DST Test Number: 1

10-17s-31w Scott Ks

Lario Oil & Gas Co

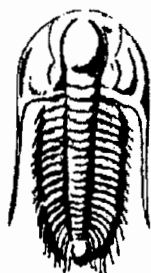
Inside

Serial #: 6668



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**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Lario Oil & Gas Co**

301 South Market  
Wichita Ks 67202

ATTN: Jay G Schwelkert

**10-17s-31w Scott Ks**

**Schoonover #1-10**

Start Date: 2003.09.23 @ 09:24:45

End Date: 2003.09.23 @ 15:37:44

Job Ticket #: 18696

DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Lario Oil & Gas Co

301 South Market  
Wichita Ks 67202

ATTN: Jay G Schwelkert

Schoonover #1-10

10-17s-31w Scott Ks

Job Ticket: 18696

DST#: 2

Test Start: 2003.09.23 @ 09:24:45

### GENERAL INFORMATION:

Formation: Ians "J"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:08:44

Time Test Ended: 15:37:44

Interval: 4178.00 ft (KB) To 4186.00 ft (KB) (TVD)

Total Depth: 4186.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

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Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Reference Elevations: 2923.00 ft (KB)

2918.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6668

Inside

Press@RunDepth: 34.90 psig @ 4179.01 ft (KB)

Start Date: 2003.09.23

End Date:

2003.09.23

Start Time: 09:24:45

End Time:

15:37:44

Capacity: 7000.00 psig

Last Calib.: 2003.09.23

Time On Btm: 2003.09.23 @ 11:00:14

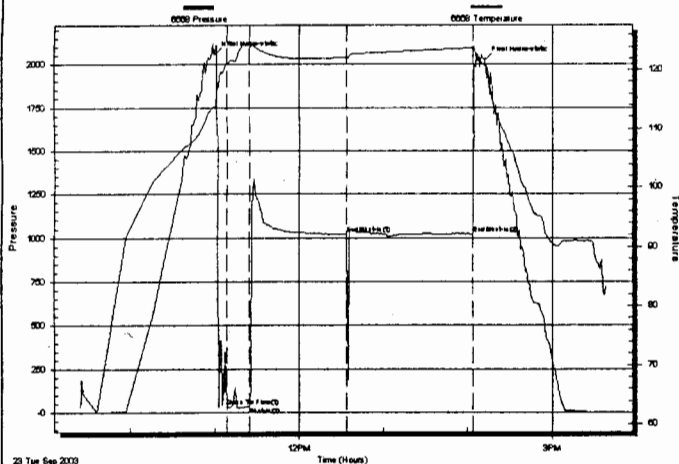
Time Off Btm: 2003.09.23 @ 14:12:44

TEST COMMENT: IFP-w k bl thru-out 1/2" to 1/4" bl

FFP-no bl

Times 30-60-30-60

Pressure vs. Time



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2056.52         | 113.68       | Initial Hydro-static |
| 9           | 34.45           | 121.00       | Open To Flow (1)     |
| 25          | 34.90           | 123.95       | Shut-In(1)           |
| 94          | 1018.37         | 122.15       | End Shut-In(1)       |
| 184         | 1022.44         | 123.78       | End Shut-In(2)       |
| 193         | 2023.07         | 120.62       | Final Hydro-static   |

### Recovery

| Length (ft) | Description        | Volume (bbl) |
|-------------|--------------------|--------------|
| 35.00       | mud plugged anchor | 0.49         |
|             |                    |              |
|             |                    |              |
|             |                    |              |
|             |                    |              |
|             |                    |              |

### Gas Rates

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



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Lario Oil & Gas Co

Schoonover #1-10

301 South Market  
Wichita Ks 67202

10-17s-31w Scott Ks

Job Ticket: 18696

DST#: 2

ATTN: Jay G Schwelkert

Test Start: 2003.09.23 @ 09:24:45

### Tool Information

|                           |                    |                       |                         |                                    |
|---------------------------|--------------------|-----------------------|-------------------------|------------------------------------|
| Drill Pipe:               | Length: 4155.00 ft | Diameter: 3.80 inches | Volume: 58.28 bbl       | Tool Weight: 2800.00 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: 95000.00 lb  |
|                           |                    |                       | Total Volume: 58.28 bbl | Tool Chased 3.00 ft                |
| Drill Pipe Above KB:      | 5.00 ft            |                       |                         | String Weight: Initial 62000.00 lb |
| Depth to Top Packer:      | 4178.00 ft         |                       |                         | Final 62000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                         |                                    |
| Interval between Packers: | 8.02 ft            |                       |                         |                                    |
| Tool Length:              | 36.02 ft           |                       |                         |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                         |                                    |
| Tool Comments:            |                    |                       |                         |                                    |

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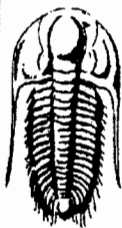
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| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths               |
|------------------|-------------|------------|----------|------------|------------------------------|
| Change Over Sub  | 1.00        |            |          | 4151.00    |                              |
| Shut In Tool     | 5.00        |            |          | 4156.00    |                              |
| Hydraulic tool   | 5.00        |            |          | 4161.00    |                              |
| Jars             | 5.00        |            |          | 4166.00    |                              |
| Safety Joint     | 2.00        |            |          | 4168.00    |                              |
| Packer           | 5.00        |            |          | 4173.00    | 28.00 Bottom Of Top Packer   |
| Packer           | 5.00        |            |          | 4178.00    |                              |
| Stubb            | 1.00        |            |          | 4179.00    |                              |
| Recorder         | 0.01        | 6668       | Inside   | 4179.01    |                              |
| Perforations     | 4.00        |            |          | 4183.01    |                              |
| Recorder         | 0.01        | 11085      | Outside  | 4183.02    |                              |
| Bullnose         | 3.00        |            |          | 4186.02    | 8.02 Bottom Packers & Anchor |

Total Tool Length: 36.02





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Lario Oil & Gas Co

Schoonover #1-10

301 South Market  
Wichita Ks 67202

10-17s-31w Scott Ks

Job Ticket: 18696

DST#: 2

ATTN: Jay G Schwelkert

Test Start: 2003.09.23 @ 09:24:45

### 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: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.09 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1300.00 ppm

Filter Cake: 2.00 inches

### Recovery Information

#### Recovery Table

| Length<br>ft | Description        | Volume<br>bbl |
|--------------|--------------------|---------------|
| 35.00        | mud plugged anchor | 0.491         |

Total Length: 35.00 ft

Total Volume: 0.491 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: had 3ft of solid fill on bottom of hole

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Serial #: 6668

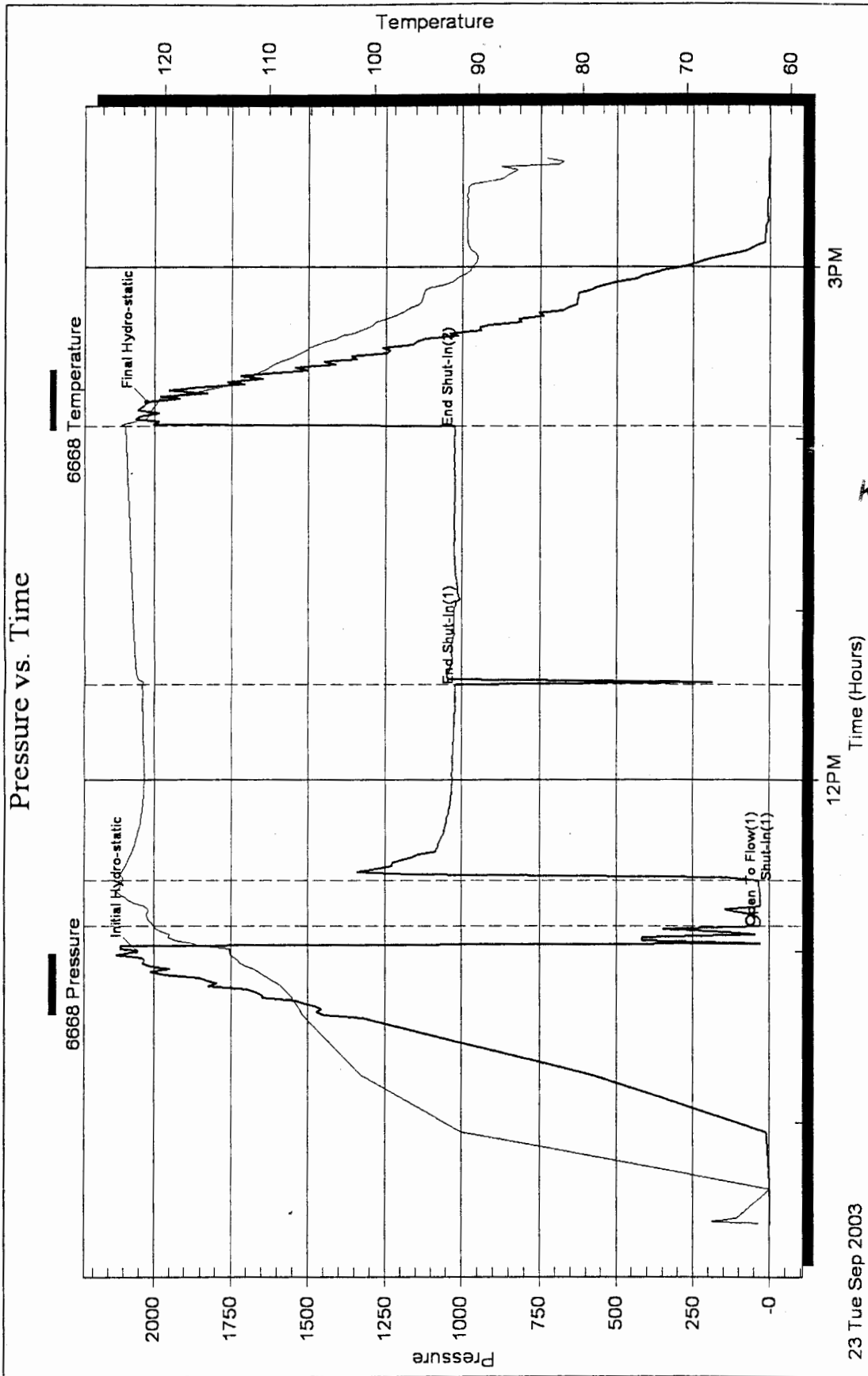
Inside

Lario Oil & Gas Co

10-17s-31w Scott Ks

DST Test Number: 2

# Pressure vs. Time



23 Tue Sep 2003

12PM

3PM

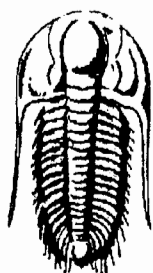
Time (Hours)

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JAN 13 2004  
KCC WICHITA

Trilobite Testing, Inc

Ref. No: 18696

Printed: 2003.10.07 @ 08:46:23 Page 5



**TRILOBITE  
TESTING, INC.**

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JAN 13 2004  
KCC WICHITA

## DRILL STEM TEST REPORT

Prepared For: **Lario Oil & Gas Co**

301 South Market  
Wichita Ks 67202

ATTN: Jay G Schwelkert

**10-17s-31w Scott Ks**

**Schoonover #1-10**

Start Date: 2003.09.23 @ 21:28:30

End Date: 2003.09.24 @ 04:02:59

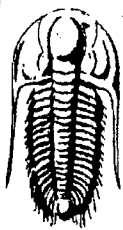
Job Ticket #: 18697

DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas Co

301 South Market  
Wichita Ks 67202

ATTN: Jay G Schwelkert

**Schoonover #1-10**

**10-17s-31w Scott Ks**

Job Ticket: 18697

**DST#: 3**

Test Start: 2003.09.23 @ 21:28:30

### GENERAL INFORMATION:

Formation: **Ians "J"**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 23:25:29

Time Test Ended: 04:02:59

Interval: **4178.00 ft (KB) To 4186.00 ft (KB) (TVD)**

Total Depth: **4186.00 ft (KB) (TVD)**

Hole Diameter: **7.85 inches** Hole Condition: **Fair**

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**JAN 13 2004**

**KCC WICHITA**

Test Type: **Conventional Bottom Hole**

Tester: **Ray Schwager**

Unit No: **28**

Reference Elevations: **2923.00 ft (KB)**

**2918.00 ft (CF)**

**KB to GR/CF: 5.00 ft**

**Serial #: 6668**

**Inside**

Press@RunDepth: **110.99 psig @ 4179.01 ft (KB)**

Start Date: **2003.09.23**

End Date:

**2003.09.24**

Start Time: **21:28:30**

End Time:

**04:02:59**

Capacity: **7000.00 psig**

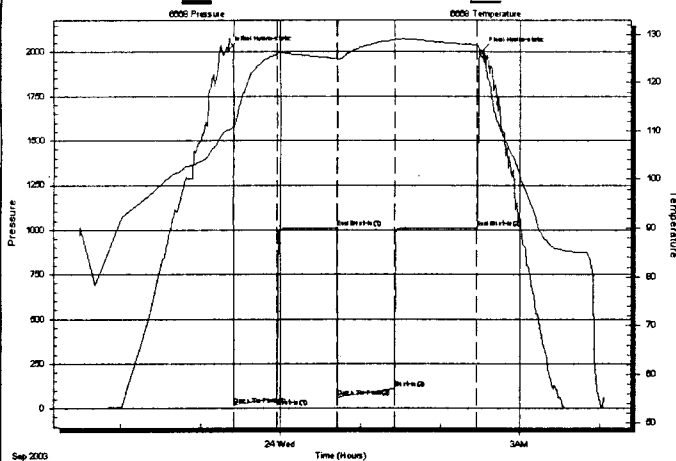
Last Calib.: **2003.09.24**

Time On Btm: **2003.09.23 @ 23:21:29**

Time Off Btm: **2003.09.24 @ 02:31:29**

TEST COMMENT: IFP-w k bl thru-out 1/4" to 2" bl  
FFP-w k bl thru-out 1/4" to 1 1/4" bl  
Times 30-45-45-60

Pressure vs. Time



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2010.95         | 110.11       | Initial Hydro-static |
| 4           | 18.17           | 110.97       | Open To Flow (1)     |
| 36          | 55.95           | 125.79       | Shut-In (1)          |
| 81          | 1011.65         | 124.99       | End Shut-In (1)      |
| 81          | 61.48           | 124.68       | Open To Flow (2)     |
| 124         | 110.99          | 128.87       | Shut-In (2)          |
| 186         | 1011.47         | 127.84       | End Shut-In (2)      |
| 190         | 2006.49         | 125.24       | Final Hydro-static   |

Recovery

| Length (ft) | Description                  | Volume (bbl) |
|-------------|------------------------------|--------------|
| 30.00       | MW 20% mud 80% water         | 0.42         |
| 180.00      | Water RW .25@50F             | 2.52         |
| 0.00        | w/show of oil on top of tool | 0.00         |
|             |                              |              |
|             |                              |              |
|             |                              |              |

Gas Rates

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



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Lario Oil & Gas Co

Schoonover #1-10

301 South Market  
Wichita Ks 67202

10-17s-31w Scott Ks

Job Ticket: 18697

DST#: 3

ATTN: Jay G Schweikert

Test Start: 2003.09.23 @ 21:28:30

### Tool Information

|                           |                    |                       |                   |                                    |
|---------------------------|--------------------|-----------------------|-------------------|------------------------------------|
| Drill Pipe:               | Length: 4155.00 ft | Diameter: 3.80 inches | Volume: 58.28 bbl | Tool Weight: 2800.00 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: 70000.00 lb  |
|                           |                    | Total Volume:         | 58.28 bbl         | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 5.00 ft            |                       |                   | String Weight: Initial 62000.00 lb |
| Depth to Top Packer:      | 4178.00 ft         |                       |                   | Final 62000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                   |                                    |
| Interval between Packers: | 8.02 ft            |                       |                   |                                    |
| Tool Length:              | 36.02 ft           |                       |                   |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                   |                                    |

Tool Comments:

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| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths               |
|------------------|-------------|------------|----------|------------|------------------------------|
| Change Over Sub  | 1.00        |            |          | 4151.00    |                              |
| Shut In Tool     | 5.00        |            |          | 4156.00    |                              |
| Hydraulic tool   | 5.00        |            |          | 4161.00    |                              |
| Jars             | 5.00        |            |          | 4166.00    |                              |
| Safety Joint     | 2.00        |            |          | 4168.00    |                              |
| Packer           | 5.00        |            |          | 4173.00    | 28.00 Bottom Of Top Packer   |
| Packer           | 5.00        |            |          | 4178.00    |                              |
| Stubb            | 1.00        |            |          | 4179.00    |                              |
| Recorder         | 0.01        | 6668       | Inside   | 4179.01    |                              |
| Perforations     | 4.00        |            |          | 4183.01    |                              |
| Recorder         | 0.01        | 11085      | Outside  | 4183.02    |                              |
| Bullnose         | 3.00        |            |          | 4186.02    | 8.02 Bottom Packers & Anchor |

Total Tool Length: 36.02



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Lario Oil & Gas Co

Schoonover #1-10

301 South Market  
Wichita Ks 67202

10-17s-31w Scott Ks

Job Ticket: 18697

DST#: 3

ATTN: Jay G Schwelkert

Test Start: 2003.09.23 @ 21:28:30

### 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:

42000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.11 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1300.00 ppm

Filter Cake: 2.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description                  | Volume<br>bbl |
|--------------|------------------------------|---------------|
| 30.00        | MW 20% mud 80% water         | 0.421         |
| 180.00       | Water RW .25@50F             | 2.525         |
| 0.00         | w/show of oil on top of tool | 0.000         |

Total Length: 210.00 ft

Total Volume: 2.946 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

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KCC WICHITA

DST Test Number: 3

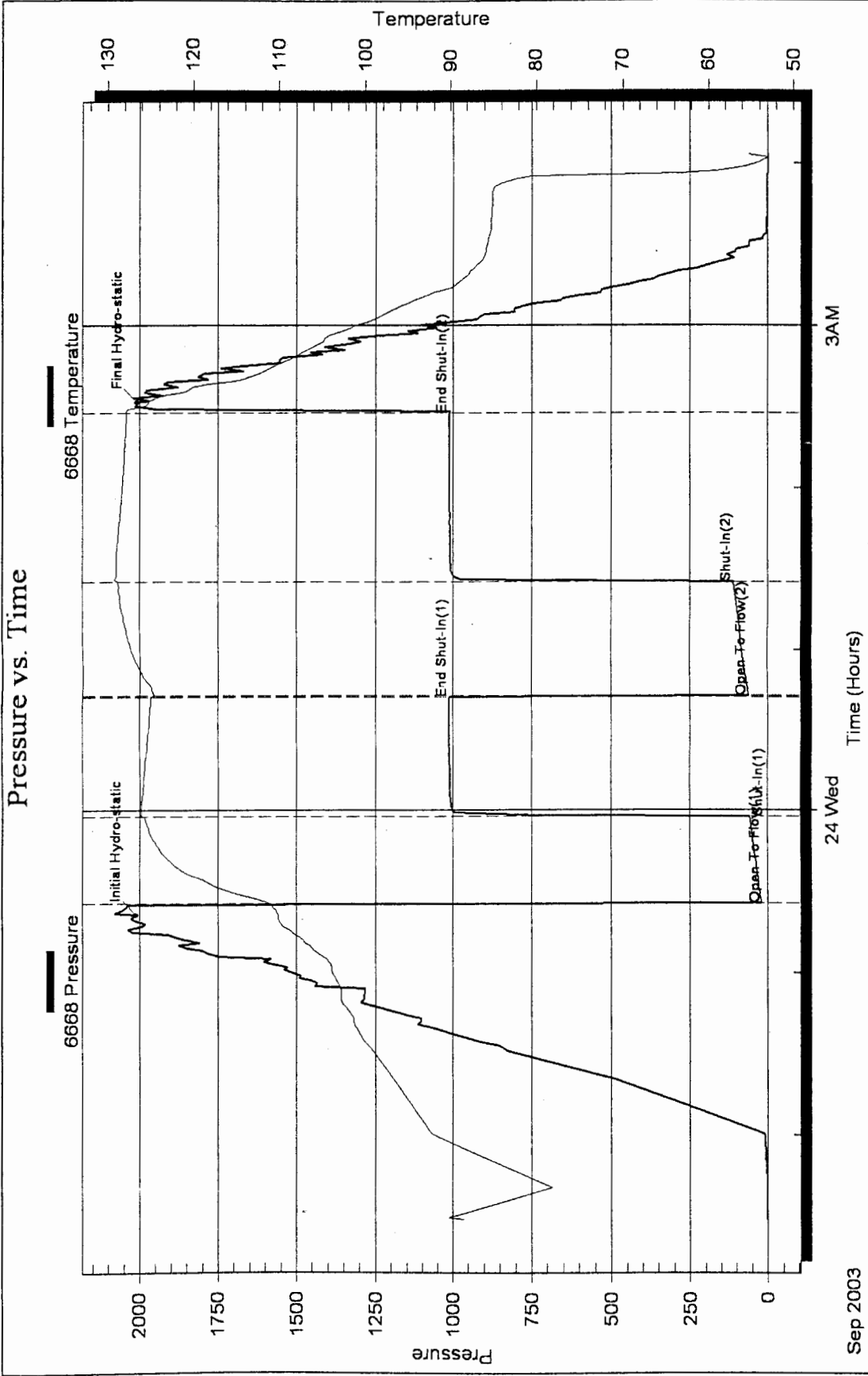
10-17s-31w Scott Ks

Lario Oil & Gas Co

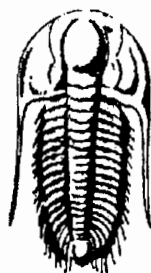
Inside

Serial #: 6668

### Pressure vs. Time



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**TESTING, INC.**

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KCC WICHITA

## DRILL STEM TEST REPORT

Prepared For: **Lario Oil & Gas Co**

301 South Market  
Wichita Ks 67202

ATTN: Jay G Schwelkert

**10-17s-31w Scott Ks**

**Schoonover #1-10**

Start Date: 2003.09.25 @ 07:44:18

End Date: 2003.09.25 @ 14:57:17

Job Ticket #: 18698

DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Lario Oil & Gas Co

301 South Market  
Wichita Ks 67202

ATTN: Jay G Schwelkert

**Schoonover #1-10**

**10-17s-31w Scott Ks**

Job Ticket: 18698

**DST#: 4**

Test Start: 2003.09.25 @ 07:44:18

### GENERAL INFORMATION:

Formation: **Mar, Ft Scott, Cher**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:34:47

Time Test Ended: 14:57:17

Interval: **4367.00 ft (KB) To 4487.00 ft (KB) (TVD)**

Total Depth: **4487.00 ft (KB) (TVD)**

Hole Diameter: **7.85 inches** Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Reference Elevations: 2923.00 ft (KB)

2918.00 ft (CF)

KB to GR/CF: 5.00 ft

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KCC WICHITA

**Serial #: 6668**

Inside

Press@RunDepth: 110.19 psig @ 4370.01 ft (KB)

Start Date: 2003.09.25

End Date:

2003.09.25

Start Time: 07:44:18

End Time:

14:57:17

Capacity: 7000.00 psig

Last Calib.: 2003.09.25

Time On Btm: 2003.09.25 @ 09:31:17

Time Off Btm: 2003.09.25 @ 13:03:17

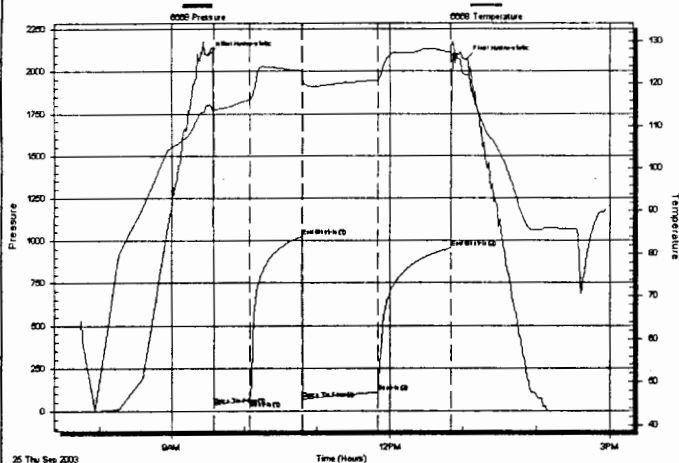
TEST COMMENT: IFP-w k bl thru-out 2" to 2 1/2" bl

FFP-w k bl thru-out 1/4" to 1" bl

Times 30-45-60-60

slid tool approx 7ft to bottom

Pressure vs. Time



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2098.94         | 114.97       | Initial Hydro-static |
| 4           | 37.05           | 113.47       | Open To Flow (1)     |
| 34          | 64.52           | 116.29       | Shut-in (1)          |
| 77          | 1024.09         | 123.02       | End Shut-in (1)      |
| 77          | 69.04           | 121.57       | Open To Flow (2)     |
| 139         | 110.19          | 120.79       | Shut-in (2)          |
| 200         | 956.48          | 127.26       | End Shut-in (2)      |
| 212         | 2070.11         | 122.01       | Final Hydro-static   |

Recovery

| Length (ft) | Description               | Volume (bbl) |
|-------------|---------------------------|--------------|
| 30.00       | MGO 5%gas 85%oil 10%mud   | 0.42         |
| 60.00       | HO&GCm5%gas 45%oil 50%mud | 0.84         |
| 120.00      | OCW 5%oil 95%water        | 1.68         |
| 0.00        | RW .3@85F                 | 0.00         |
|             |                           |              |
|             |                           |              |

Gas Rates

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



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Lario Oil & Gas Co

Schoonover #1-10

301 South Market  
Wichita Ks 67202

10-17s-31w Scott Ks

Job Ticket: 18698

DST#: 4

ATTN: Jay G Schweikert

Test Start: 2003.09.25 @ 07:44:18

### Tool Information

|                           |                    |                       |                   |                                    |
|---------------------------|--------------------|-----------------------|-------------------|------------------------------------|
| Drill Pipe:               | Length: 4371.00 ft | Diameter: 3.80 inches | Volume: 61.31 bbl | Tool Weight: 2800.00 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: 100000.0 lb  |
|                           |                    | Total Volume:         | 61.31 bbl         | Tool Chased 7.00 ft                |
| Drill Pipe Above KB:      | 32.00 ft           |                       |                   | String Weight: Initial 66000.00 lb |
| Depth to Top Packer:      | 4367.00 ft         |                       |                   | Final 67000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                   |                                    |
| Interval between Packers: | 120.02 ft          |                       |                   |                                    |
| Tool Length:              | 148.02 ft          |                       |                   |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                   |                                    |
| Tool Comments:            |                    |                       |                   |                                    |

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| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                 |
|------------------|-------------|------------|----------|------------|--------------------------------|
| Change Over Sub  | 1.00        |            |          | 4340.00    |                                |
| Shut In Tool     | 5.00        |            |          | 4345.00    |                                |
| Hydraulic tool   | 5.00        |            |          | 4350.00    |                                |
| Jars             | 5.00        |            |          | 4355.00    |                                |
| Safety Joint     | 2.00        |            |          | 4357.00    |                                |
| Packer           | 5.00        |            |          | 4362.00    | 28.00 Bottom Of Top Packer     |
| Packer           | 5.00        |            |          | 4367.00    |                                |
| Stubb            | 1.00        |            |          | 4368.00    |                                |
| Perforations     | 1.00        |            |          | 4369.00    |                                |
| Change Over Sub  | 1.00        |            |          | 4370.00    |                                |
| Recorder         | 0.01        | 6668       | Inside   | 4370.01    |                                |
| Blank Spacing    | 94.00       |            |          | 4464.01    |                                |
| Perforations     | 20.00       |            |          | 4484.01    |                                |
| Recorder         | 0.01        | 11085      | Outside  | 4484.02    |                                |
| Bullnose         | 3.00        |            |          | 4487.02    | 120.02 Bottom Packers & Anchor |

Total Tool Length: 148.02



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Lario Oil & Gas Co

Schoonover #1-10

301 South Market  
Wichita Ks 67202

10-17s-31w Scott Ks

Job Ticket: 18698

DST#: 4

ATTN: Jay G Schweikert

Test Start: 2003.09.25 @ 07:44:18

### 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:

19000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.11 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1300.00 ppm

Filter Cake: 2.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description               | Volume<br>bbl |
|--------------|---------------------------|---------------|
| 30.00        | MGO 5%gas 85%oil 10%mud   | 0.421         |
| 60.00        | HO&GCM5%gas 45%oil 50%mud | 0.842         |
| 120.00       | OCW 5%oil 95%water        | 1.683         |
| 0.00         | RW .3@85F                 | 0.000         |

Total Length: 210.00 ft

Total Volume: 2.946 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

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KCC WICHITA

DST Test Number: 4

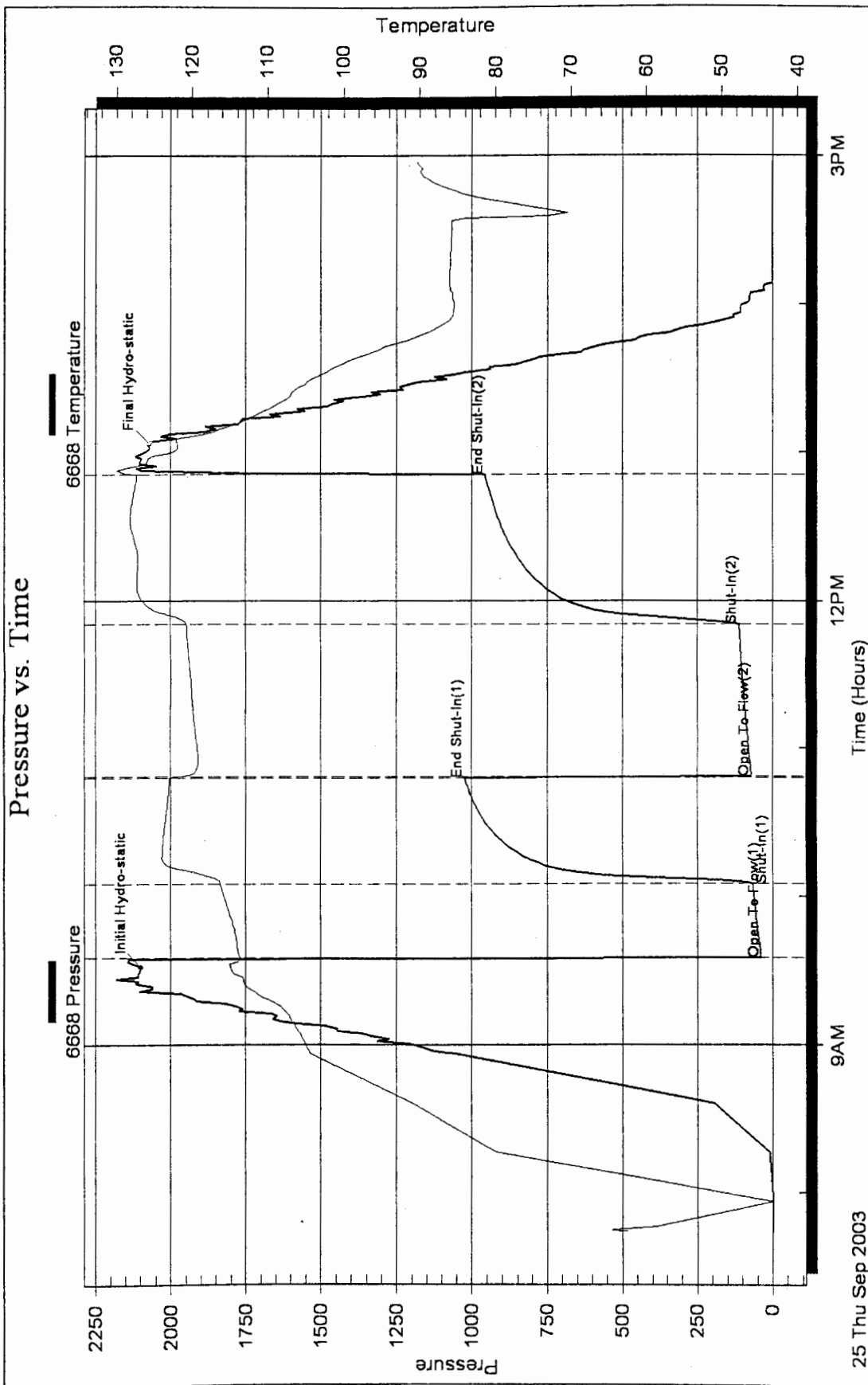
10-17s-31w Scott Ks

Lario Oil & Gas Co

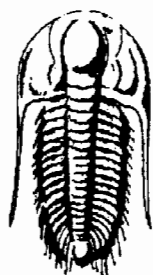
Inside

Serial #: 6668

# Pressure vs. Time



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KCC WICHITA



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**TESTING, INC.**

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JAN 13 2004  
KCC WICHITA

## DRILL STEM TEST REPORT

Prepared For: **Lario Oil & Gas Co**

301 South Market  
Wichita Ks 67202

ATTN: Jay G Schwelkert

**10-17s-31w Scott Ks**

**Schoonover #1-10**

Start Date: 2003.09.26 @ 03:53:58

End Date: 2003.09.26 @ 12:40:12

Job Ticket #: 17701      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

Lario Oil & Gas Co

301 South Market  
Wichita Ks 67202

ATTN: Jay G Schwelkert

Schoonover #1-10

10-17s-31w Scott Ks

Job Ticket: 17701

DST#: 5

Test Start: 2003.09.26 @ 03:53:58

### GENERAL INFORMATION:

Formation: **cherokee , johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:01:42

Time Test Ended: 12:40:12

Interval: **4493.00 ft (KB) To 4566.00 ft (KB) (TVD)**

Total Depth: **4566.00 ft (KB) (TVD)**

Hole Diameter: **7.85 inches** Hole Condition: Fair

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KCC WICHITA

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 25

Reference Elevations: 2923.00 ft (KB)

2918.00 ft (CF)

KB to GRV/CF: 5.00 ft

Serial #: **3017**

Inside

Press@RunDepth: 323.72 psig @ 4494.00 ft (KB)

Start Date: 2003.09.26

End Date:

2003.09.26

Start Time: 03:53:58

End Time:

12:40:12

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2003.09.26 @ 06:00:57

Time Off Btm: 2003.09.26 @ 10:04:27

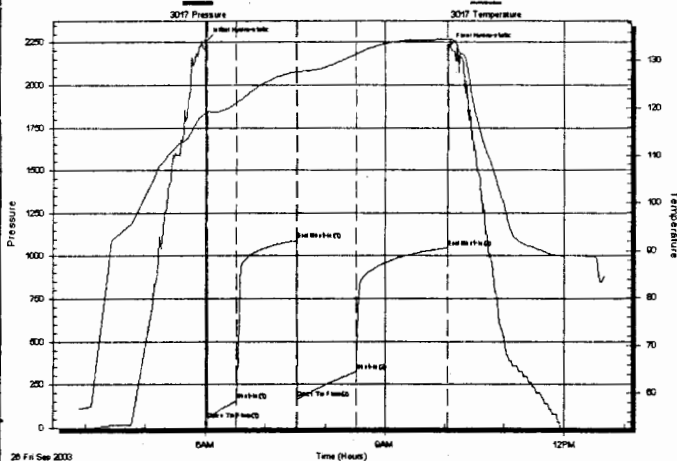
TEST COMMENT: B.O.B. in 5 min.

Bleed off for 5 min. return in 1 min. built to 8" in.

8" in. @ open B.O.B. in 1 1/2 min.

Bleed off for 5 min. Return in 1 min. B.O.B. in 35 min.

Pressure vs. Time



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2258.97         | 119.09       | Initial Hydro-static |
| 1           | 41.42           | 119.20       | Open To Flow (1)     |
| 30          | 153.43          | 121.05       | Shut-in(1)           |
| 91          | 1090.12         | 127.68       | End Shut-in(1)       |
| 92          | 169.79          | 127.70       | Open To Flow (2)     |
| 150         | 323.72          | 131.32       | Shut-in(2)           |
| 242         | 1047.88         | 134.46       | End Shut-in(2)       |
| 244         | 2226.81         | 134.49       | Final Hydro-static   |

Recovery

| Length (ft) | Description            | Volume (bbl) |
|-------------|------------------------|--------------|
| 150.00      | c g o 35%g 65%o        | 2.10         |
| 600.00      | m c g o 20%m 40%g 40%o | 8.42         |
|             |                        |              |
|             |                        |              |
|             |                        |              |
|             |                        |              |

Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Lario Oil & Gas Co

Schoonover #1-10

301 South Market  
Wichita Ks 67202

10-17s-31w Scott Ks

Job Ticket: 17701

DST#: 5

ATTN: Jay G Schwelkert

Test Start: 2003.09.26 @ 03:53:58

### Tool Information

|                           |                    |                       |                         |                                    |
|---------------------------|--------------------|-----------------------|-------------------------|------------------------------------|
| Drill Pipe:               | Length: 4497.00 ft | Diameter: 3.80 inches | Volume: 63.08 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: 30000.00 lb  |
| Drill Collar:             | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl        | Weight to Pull Loose: 100000.0 lb  |
|                           |                    |                       | Total Volume: 63.08 bbl | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 31.00 ft           |                       |                         | String Weight: Initial 68000.00 lb |
| Depth to Top Packer:      | 4493.00 ft         |                       |                         | Final 72000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                         |                                    |
| Interval between Packers: | 73.00 ft           |                       |                         |                                    |
| Tool Length:              | 100.00 ft          |                       |                         |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                         |                                    |
| Tool Comments:            |                    |                       |                         |                                    |

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| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| C.O. Sub         | 1.00        |            |          | 4467.00    |                               |
| S.I. Tool        | 5.00        |            |          | 4472.00    |                               |
| HMV              | 5.00        |            |          | 4477.00    |                               |
| Jars             | 5.00        |            |          | 4482.00    |                               |
| Safety Joint     | 2.00        |            |          | 4484.00    |                               |
| Packer           | 5.00        |            |          | 4489.00    | 27.00 Bottom Of Top Packer    |
| Packer           | 4.00        |            |          | 4493.00    |                               |
| Stubb            | 1.00        |            |          | 4494.00    |                               |
| Recorder         | 0.00        | 3017       | Inside   | 4494.00    |                               |
| Perforations     | 3.00        |            |          | 4497.00    |                               |
| C.O. Sub         | 1.00        |            |          | 4498.00    |                               |
| drillpipe        | 62.00       |            |          | 4560.00    |                               |
| C.O. Sub         | 1.00        |            |          | 4561.00    |                               |
| Recorder         | 0.00        | 11058      | Outside  | 4561.00    |                               |
| Bullnose         | 5.00        |            |          | 4566.00    | 73.00 Bottom Packers & Anchor |

Total Tool Length: 100.00



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Lario Oil & Gas Co

Schoonover #1-10

301 South Market  
Wichita Ks 67202

10-17s-31w Scott Ks

Job Ticket: 17701

DST#: 5

ATTN: Jay G Schwelkert

Test Start: 2003.09.26 @ 03:53:58

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

1000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description            | Volume<br>bbl |
|--------------|------------------------|---------------|
| 150.00       | c g o 35%g 65%o        | 2.104         |
| 600.00       | m c g o 20%m 40%g 40%o | 8.416         |

Total Length: 750.00 ft

Total Volume: 10.520 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

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KCC WICHITA



DST Test Number: 5

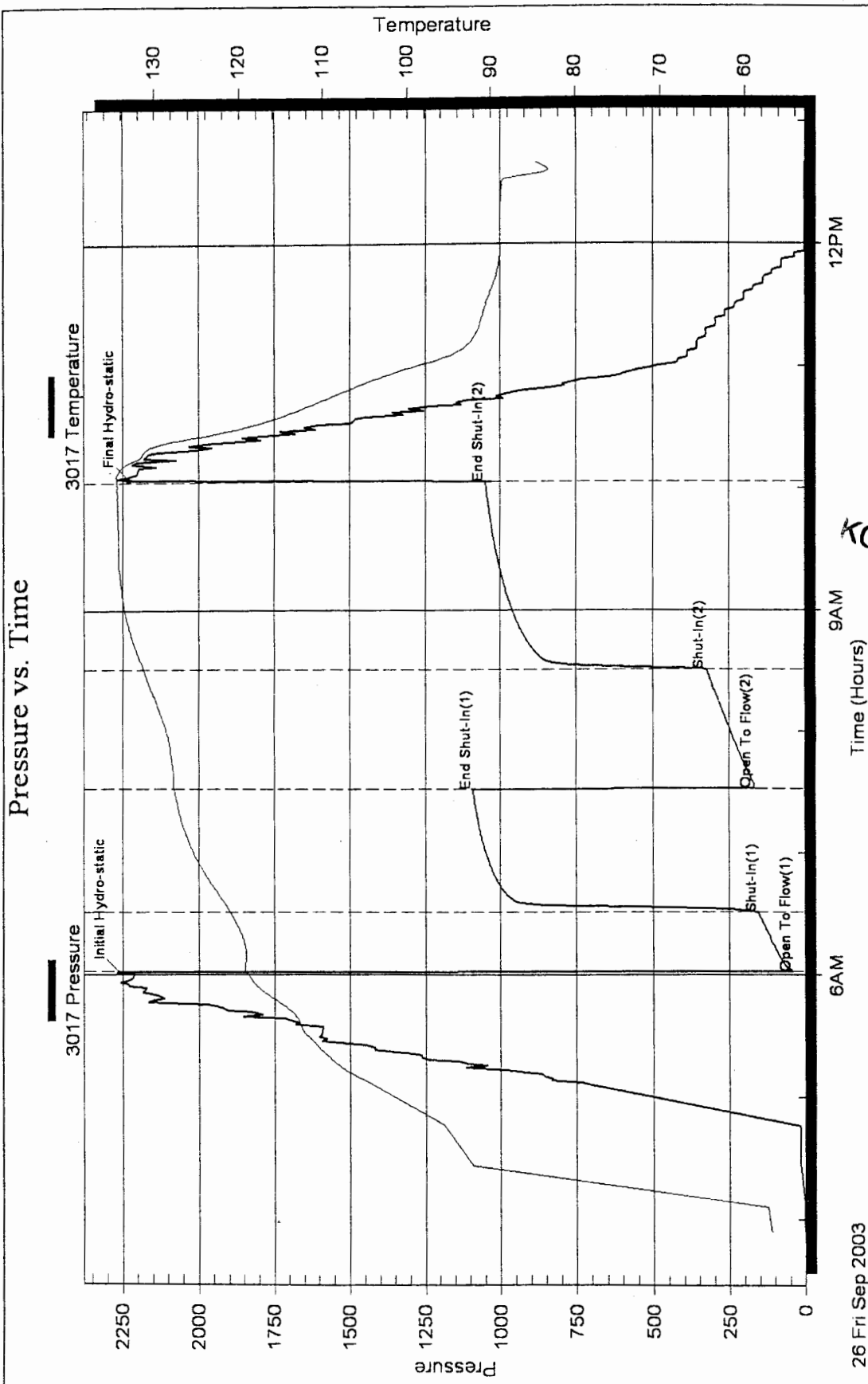
10-17s-31w Scott Ks

Lario Oil & Gas Co

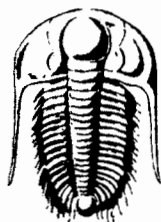
Inside

Serial #: 3017

# Pressure vs. Time



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JAN 13 2004  
KCC WICHITA



# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

Nº 18695

05/03

## Test Ticket

|                 |                                    |                           |                 |                 |                 |
|-----------------|------------------------------------|---------------------------|-----------------|-----------------|-----------------|
| Well Name & No. | Schoonover Trust #1-10             | Test No.                  | 1               | Date            | 9-22-03         |
| Company         | LARIO OIL & GAS COMPANY            | Zone Tested               | LAAS            |                 |                 |
| Address         | 301 SOUTH MARKET WICHITA, Ks 67202 | Elevation                 | 2923            | KB              | 2918            |
| Co. Rep / Geo.  | CURTIS Covey                       | Cont.                     | LO DRILLING     | Est. Ft. of Pay | -               |
| Location: Sec.  | 10                                 | Twp.                      | 17 <sup>s</sup> | Rge.            | 31 <sup>s</sup> |
|                 |                                    | Co.                       | SCOTT           | State           | Ks              |
| No. of Copies   | Reg                                | Distribution Sheet (Y, N) |                 | Turnkey (Y, N)  |                 |
|                 |                                    | Evaluation (Y, N)         |                 |                 |                 |

|                     |                                        |                      |       |                       |          |
|---------------------|----------------------------------------|----------------------|-------|-----------------------|----------|
| Interval Tested     | 4018 - 4031                            | Initial Str Wt./Lbs. | 60000 | Unseated Str Wt./Lbs. | 60000    |
| Anchor Length       | 13                                     | Wt. Set Lbs.         | 25000 | Wt. Pulled Loose/Lbs. | 95000    |
| Top Packer Depth    | 4013                                   | Tool Weight          | 2800  |                       |          |
| Bottom Packer Depth | 4018                                   | Hole Size 7 7/8"     | -     | Rubber Size 6 3/4"    | -        |
| Total Depth         | 4031                                   | Wt. Pipe Run         | -     | Drill Collar Run      | -        |
| Mud Wt.             | 9                                      | LCM                  | 1#    | Vis.                  | 53       |
|                     |                                        | WL                   | 9.2   | Drill Pipe Size       | 4 1/2 XH |
| Blow Description    | IFP - WEAK SURFACE BLOW died in 20 min |                      |       |                       |          |
|                     | FFP - NO BLOW                          |                      |       |                       |          |

|                       |     |            |               |           |           |                      |              |
|-----------------------|-----|------------|---------------|-----------|-----------|----------------------|--------------|
| Recovery - Total Feet | 35  | GIP        | -             | Ft. in DC | -         | Ft. in DP            | 35           |
| Rec.                  | 35  | Feet of    | Mud           | %gas      | %oil      | %water               | %mud         |
| Rec.                  |     | Feet of    | w/show of oil | %gas      | %oil      | %water               | %mud         |
| Rec.                  |     | Feet of    | oiler         | %gas      | %oil      | %water               | %mud         |
| Rec.                  |     | Feet of    |               | %gas      | %oil      | %water               | %mud         |
| Rec.                  |     | Feet of    |               | %gas      | %oil      | %water               | %mud         |
| BHT                   | 118 | °F Gravity | -             | °API D @  | -         | °F Corrected Gravity | -            |
| RW                    | -   | @          | -             | °F        | Chlorides | -                    | ppm Recovery |
|                       |     |            |               |           | Chlorides | 1300                 | ppm System   |

|                                  |      |        |      |     |                 |       |             |   |     |
|----------------------------------|------|--------|------|-----|-----------------|-------|-------------|---|-----|
| (A) Initial Hydrostatic Mud      | AK-1 | Alpine | 1942 | PSI | Recorder No.    | 6668  | Test        | ✓ | 800 |
| (B) First Initial Flow Pressure  |      |        | 24   | PSI | (depth)         | 4019  | Elec. Rec.  | ✓ | 150 |
| (C) First Final Flow Pressure    |      |        | 27   | PSI | Recorder No.    | 11085 | Jars        | ✓ | 200 |
| (D) Initial Shut-In Pressure     |      |        | 1041 | PSI | (depth)         | 4028  | Safety Jt.  | ✓ | 50  |
| (E) Second Initial Flow Pressure |      |        | 29   | PSI | Recorder No.    | -     | Circ Sub    |   |     |
| (F) Second Final Flow Pressure   |      |        | 34   | PSI | (depth)         | -     | Sampler     |   |     |
| (G) Final Shut-In Pressure       |      |        | 1012 | PSI | Initial Opening | 30    | Straddle    |   |     |
| (Q) Final Hydrostatic Mud        |      |        | 1925 | PSI | Initial Shut-In | 60    | Ext. 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.

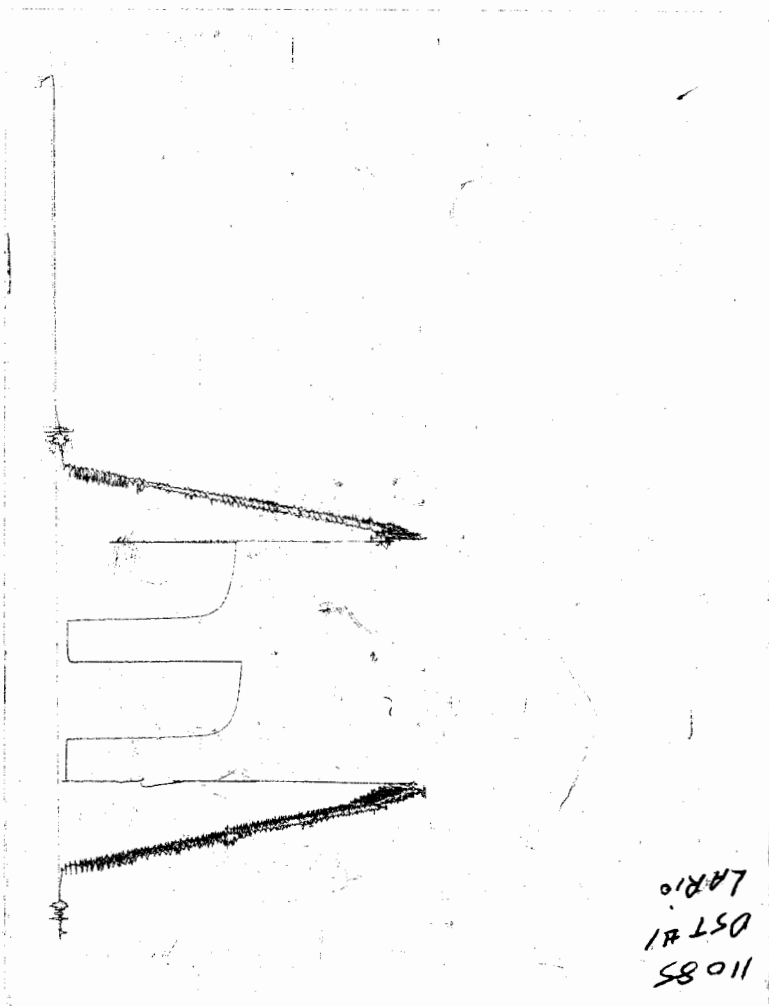
|               |      |              |      |
|---------------|------|--------------|------|
| Final Flow    | 30   | Shale Packer |      |
| Final Shut-In | 60   | Mileage      | ✓ 18 |
| T-On Location | 1200 | Sub Total:   | 1218 |
| T-Started     | 1307 | Std. By      |      |
| T-Open        | 1350 | Other        |      |
| T-Pulled      | 1650 | Total:       |      |
| T-Out         | 1815 |              |      |

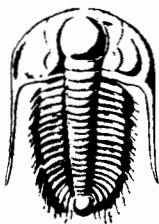
Approved By Curtis Covey

Our Representative Ray Schwager 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 18696

05/03

## Test Ticket

|                 |                                    |                            |              |                 |            |
|-----------------|------------------------------------|----------------------------|--------------|-----------------|------------|
| Well Name & No. | Schoonover Trust #1-10             | Test No.                   | 2            | Date            | 9-23-03    |
| Company         | LARIA OIL & GAS COMPANY            | Zone Tested                | LANS. 'J'    |                 |            |
| Address         | 301 SOUTH MARKET WICHITA, KS 67202 | Elevation                  | 2923         | KB              | 2918       |
| Co. Rep / Geo.  | CURTIS COVEY                       | Cont.                      | LD Orlgr rig | Est. Ft. of Pay | — Por. — % |
| Location: Sec.  | 10                                 | Twp.                       | 17'          | Rge.            | 31         |
|                 |                                    | Co.                        | SCOTT        | State           | Ks         |
| No. of Copies   | Reg                                | Disbtribution Sheet (Y, N) |              | Turnkey (Y, N)  |            |
|                 |                                    | Evaluation (Y, N)          |              |                 |            |

|                     |                                            |                      |       |                       |          |
|---------------------|--------------------------------------------|----------------------|-------|-----------------------|----------|
| Interval Tested     | 4178-4186                                  | Initial Str Wt./Lbs. | 62000 | Unseated Str Wt./Lbs. | 62000    |
| Anchor Length       | 8                                          | Wt. Set Lbs.         | 25000 | Wt. Pulled Loose/Lbs. | 95000    |
| Top Packer Depth    | 4178                                       | Tool Weight          | 2200  |                       |          |
| Bottom Packer Depth | 4178                                       | Hole Size 7 7/8"     | —     | Rubber Size 6 3/4"    | —        |
| Total Depth         | 4186                                       | Wt. Pipe Run         | —     | Drill Collar Run      | —        |
| Mud Wt.             | 9.3                                        | LCM                  | 2#    | Vis.                  | 52       |
|                     |                                            | WL                   | 9.2   | Drill Pipe Size       | 4 1/2 XH |
| Blow Description    | IFP - WEAK Blow then-out 1/2" To 1/4" Blow |                      |       |                       |          |
|                     | FFP - NO Blow                              |                      |       |                       |          |
|                     | 3' solid fill on bottom of hole            |                      |       |                       |          |

|                       |     |            |                       |           |           |                      |              |
|-----------------------|-----|------------|-----------------------|-----------|-----------|----------------------|--------------|
| Recovery - Total Feet | 35  | GIP        | —                     | Ft. in DC | —         | Ft. in DP            | 35           |
| Rec.                  | 35  | Feet of    | Mud                   | %gas      | %oil      | %water               | %mud         |
| Rec.                  |     | Feet of    | MISERAN               | %gas      | %oil      | %water               | %mud         |
| Rec.                  |     | Feet of    |                       | %gas      | %oil      | %water               | %mud         |
| Rec.                  |     | Feet of    | Plugged Tool (Anchor) | %gas      | %oil      | %water               | %mud         |
| Rec.                  |     | Feet of    |                       | %gas      | %oil      | %water               | %mud         |
| BHT                   | 121 | °F Gravity | —                     | °API D @  | —         | °F Corrected Gravity | —            |
| RW                    | —   | @          | —                     | °F        | Chlorides | —                    | ppm Recovery |
|                       |     |            |                       |           | Chlorides | 1300                 | ppm System   |

|                                  |      |     |                 |       |             |     |
|----------------------------------|------|-----|-----------------|-------|-------------|-----|
| (A) Initial Hydrostatic Mud      | 2056 | PSI | Recorder No.    | 6668  | Test        | 600 |
| (B) First Initial Flow Pressure  | 34   | PSI | (depth)         | 4179  | Elec. Rec.  | 150 |
| (C) First Final Flow Pressure    | 34   | PSI | Recorder No.    | 11085 | Jars        | 200 |
| (D) Initial Shut-In Pressure     | —    | PSI | (depth)         | 4183  | Safety JK   | 50  |
| (E) Second Initial Flow Pressure | —    | PSI | Recorder No.    | —     | Circ Sub    | —   |
| (F) Second Final Flow Pressure   | —    | PSI | (depth)         | —     | Sampler     | —   |
| (G) Final Shut-In Pressure       | —    | PSI | Initial Opening | 30    | Straddle    | —   |
| (Q) Final Hydrostatic Mud        | 2023 | PSI | Initial Shut-In | 60    | Ext. Packer | —   |

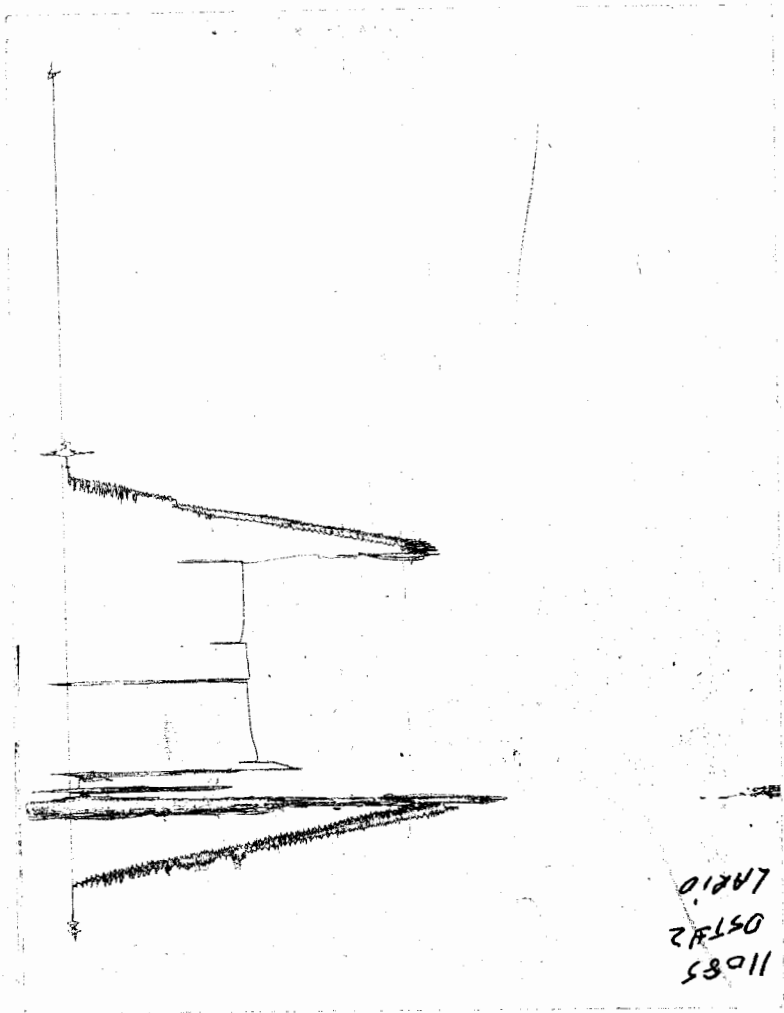
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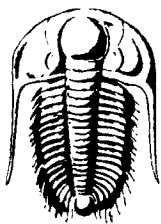
Approved By Curtis Covey  
Our Representative RAY SCHWAGER Thankyou

|               |      |              |      |
|---------------|------|--------------|------|
| Final Flow    | 30   | Shale Packer | —    |
| Final Shut-In | 60   | Mileage      | 18   |
| T-On Location | 0900 | Sub Total:   | 1018 |
| T-Started     | 0924 | Std. By      | —    |
| T-Open        | 1105 | Other        | —    |
| T-Pulled      | 1405 | Total:       | —    |
| T-Out         | 1540 |              |      |

# CHART PAGE

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





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

Nº 18697

05/03

## Test Ticket

|                 |                                    |                           |                 |                 |                 |
|-----------------|------------------------------------|---------------------------|-----------------|-----------------|-----------------|
| Well Name & No. | Schoonover Trust # 1-10            | Test No.                  | 3               | Date            | 9-23-03         |
| Company         | LARIO OIL & GAS COMPANY            | Zone Tested               | LANE "J"        |                 |                 |
| Address         | 301 SOUTH MARKET WICHITA, KS 67202 | Elevation                 | 2923            | KB              | 2918            |
| Co. Rep / Geo.  | CURTIS COVEY                       | Cont.                     | LD ORLY RIG     | Est. Ft. of Pay | -               |
| Location: Sec.  | 10                                 | Twp.                      | 17 <sup>S</sup> | Rge.            | 31 <sup>W</sup> |
|                 |                                    | Co.                       | SCOTT           | State           | KS              |
| No. of Copies   | Reg                                | Distribution Sheet (Y, N) |                 | Turnkey (Y, N)  |                 |
|                 |                                    | Evaluation (Y, N)         |                 |                 |                 |

|                     |                                              |                      |       |                       |           |
|---------------------|----------------------------------------------|----------------------|-------|-----------------------|-----------|
| Interval Tested     | 4178-4186                                    | Initial Str Wt./Lbs. | 62000 | Unseated Str Wt./Lbs. | 62000     |
| Anchor Length       | 8                                            | Wt. Set Lbs.         | 25000 | Wt. Pulled Loose/Lbs. | 70000     |
| Top Packer Depth    | 4173                                         | Tool Weight          | 2200  |                       |           |
| Bottom Packer Depth | 4178                                         | Hole Size 7 7/8"     | -     | Rubber Size 6 3/4"    | -         |
| Total Depth         | 4186                                         | Wt. Pipe Run         | -     | Drill Collar Run      | -         |
| Mud Wt.             | 9                                            | LCM                  | 2#    | Vis.                  | 50        |
|                     |                                              | WL                   | 9.2   | Drill Pipe Size       | 4 1/2 X H |
|                     |                                              |                      |       | Ft. Run               | 4155      |
| Blow Description    | IFP - WEAK Blow thru-out 1/4" To 2" Blow     |                      |       |                       |           |
|                     | FFP - WEAK Blow thru-out 1/4" To 1 1/4" Blow |                      |       |                       |           |
|                     | NO BLOW ON SHUT-IN                           |                      |       |                       |           |

|                       |     |            |                      |           |           |                      |              |
|-----------------------|-----|------------|----------------------|-----------|-----------|----------------------|--------------|
| Recovery - Total Feet | 210 | GIP        | -                    | Ft. in DC | -         | Ft. in DP            | 210          |
| Rec.                  | 30  | Feet of    | MU                   | %gas      | %oil      | %water               | %mud         |
| Rec.                  | 180 | Feet of    | WATER                | %gas      | %oil      | %water               | %mud         |
| Rec.                  |     | Feet of    | w/show of oil on top | %gas      | %oil      | %water               | %mud         |
| Rec.                  |     | Feet of    | of Tool              | %gas      | %oil      | %water               | %mud         |
| Rec.                  |     | Feet of    |                      | %gas      | %oil      | %water               | %mud         |
| BHT                   | 127 | °F Gravity | -                    | °API D @  | -         | °F Corrected Gravity | -            |
| RW                    | .25 | @          | 50                   | °F        | Chlorides | 42000                | ppm Recovery |
|                       |     |            |                      |           | Chlorides | 1300                 | ppm System   |

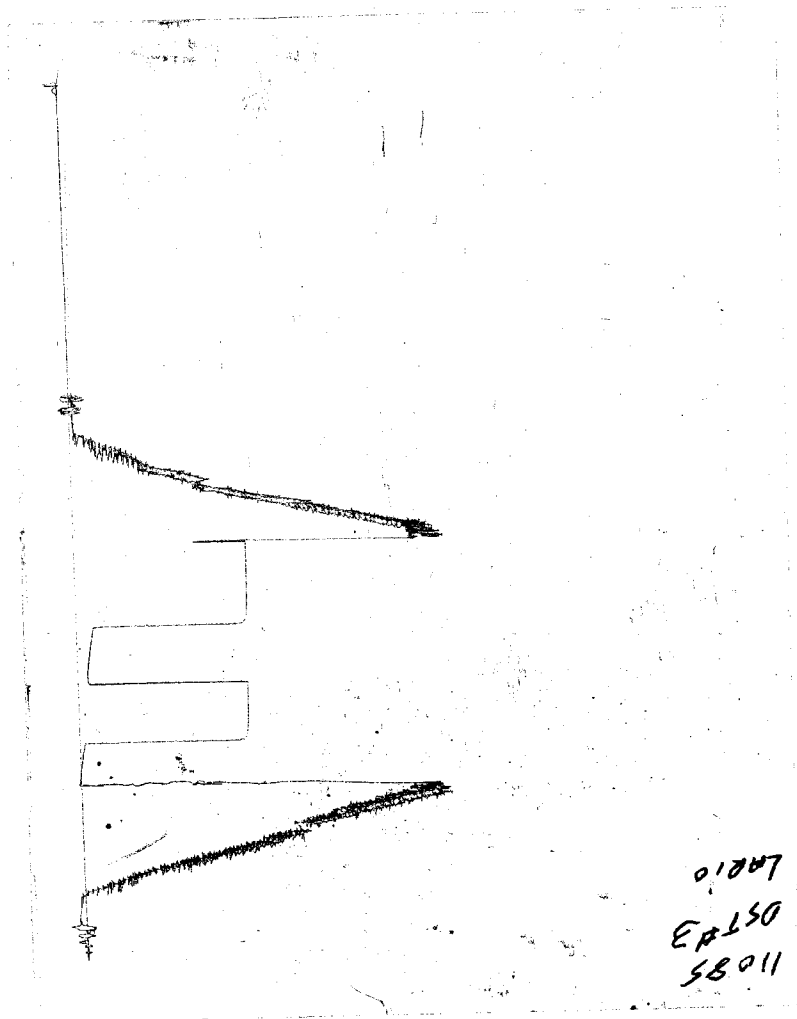
|                                  |      |     |                 |       |             |   |
|----------------------------------|------|-----|-----------------|-------|-------------|---|
| (A) Initial Hydrostatic Mud      | 2010 | PSI | Recorder No.    | 6668  | Test        | ✓ |
| (B) First Initial Flow Pressure  | 18   | PSI | (depth)         | 4179  | Elec. Rec.  | ✓ |
| (C) First Final Flow Pressure    | 55   | PSI | Recorder No.    | 11085 | Jars        | ✓ |
| (D) Initial Shut-In Pressure     | 1011 | PSI | (depth)         | 4183  | Safety Jt.  | ✓ |
| (E) Second Initial Flow Pressure | 61   | PSI | Recorder No.    | -     | Circ Sub    |   |
| (F) Second Final Flow Pressure   | 110  | PSI | (depth)         | -     | Sampler     |   |
| (G) Final Shut-In Pressure       | 1011 | PSI | Initial Opening | 30    | Straddle    |   |
| (Q) Final Hydrostatic Mud        | 2006 | PSI | Initial Shut-In | 45    | Ext. Packer |   |

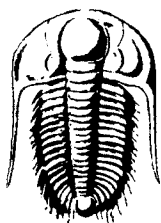
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|                    |              |               |      |               |      |              |      |         |      |
|--------------------|--------------|---------------|------|---------------|------|--------------|------|---------|------|
| Approved By        |              | T-Started     | 2128 | T-Open        | 2325 | T-Pulled     | 0225 | T-Out   | 0405 |
| Our Representative | RAY SCHWAGER | Final Flow    | 45   | Final Shut-In | 60   | Shale Packer |      | Mileage | 18   |
|                    |              | T-On Location | 2100 |               |      | Sub Total:   | 1218 | Std. By |      |
|                    |              |               |      |               |      | Other        |      | Total:  |      |

# CHART PAGE

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





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

Nº 18698

05/03

## Test Ticket

Well Name & No. Schoonover Trust #1-10 Test No. 4 Date 9-25-03  
 Company LARIO OIL & GAS COMPANY Zone Tested 75 SCOTT, MAR, CHER  
 Address 301 SOUTH MARKET WICHITA, KS 67202 Elevation 2923 KB 2918 GL  
 Co. Rep / Geo. CURTIS COVEY Cont. 20 DRLG RIG 1 Est. Ft. of Pay - Por. - %  
 Location: Sec. 10 Twp. 12<sup>S</sup> Rge. 31<sup>W</sup> Co. SCOTT State KO  
 No. of Copies Reg Distribution Sheet (Y, N) - Turnkey (Y, N) - Evaluation (Y, N) -

Interval Tested 4367-4487 Initial Str Wt./Lbs. 66000 Unseated Str Wt./Lbs. 67000  
 Anchor Length 120 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 100000  
 Top Packer Depth 4362 Tool Weight 2800  
 Bottom Packer Depth 4367 Hole Size 7 7/8" Rubber Size 6 3/4"  
 Total Depth 4487 Wt. Pipe Run - Drill Collar Run -  
 Mud Wt. 9.2 LCM 1# Vis. 47 WL 8.8 Drill Pipe Size 4 1/2 XH Ft. Run 4371  
 Blow Description IFP - WEAK BLOW THRU-OUT 2" TO 2 1/2" BLOW  
FFP - WEAK BLOW THRU-OUT 1/4" TO 1" BLOW  
SLID TOOL APPROX 7' TO BOTTOM

Recovery - Total Feet 210 GIP - Ft. in DC - Ft. in DP 210  
 Rec. 30 Feet of M 60 5 %gas 85 %oil - %water 10 %mud -  
 Rec. 60 Feet of HO-6CM 5 %gas 45 %oil - %water 50 %mud -  
 Rec. 120 Feet of OCW %gas 5 %oil 95 %water - %mud -  
 Rec. - Feet of - %gas - %oil - %water - %mud -  
 Rec. - Feet of - %gas - %oil - %water - %mud -  
 BHT 127 °F Gravity - °API D @ - °F Corrected Gravity - °API  
 RW .30 @ 8.5 °F Chlorides 19000 ppm Recovery - Chlorides 1000 ppm System

|                                  | AK-1 | Alpine          |                 |              |                                                |
|----------------------------------|------|-----------------|-----------------|--------------|------------------------------------------------|
| (A) Initial Hydrostatic Mud      |      | <u>2098</u> PSI | Recorder No.    | <u>6668</u>  | Test <input checked="" type="checkbox"/>       |
| (B) First Initial Flow Pressure  |      | <u>37</u> PSI   | (depth)         | <u>4370</u>  | Elec. Rec. <input checked="" type="checkbox"/> |
| (C) First Final Flow Pressure    |      | <u>64</u> PSI   | Recorder No.    | <u>11085</u> | Jars <input checked="" type="checkbox"/>       |
| (D) Initial Shut-In Pressure     |      | <u>1024</u> PSI | (depth)         | <u>4484</u>  | Safety Jt. <input checked="" type="checkbox"/> |
| (E) Second Initial Flow Pressure |      | <u>69</u> PSI   | Recorder No.    | <u>-</u>     | Circ Sub <u>-</u>                              |
| (F) Second Final Flow Pressure   |      | <u>110</u> PSI  | (depth)         | <u>-</u>     | Sampler <u>-</u>                               |
| (G) Final Shut-In Pressure       |      | <u>956</u> PSI  | Initial Opening | <u>30</u>    | Straddle <u>-</u>                              |
| (Q) Final Hydrostatic Mud        |      | <u>2070</u> PSI | Initial Shut-In | <u>45</u>    | Ext. Packer <u>-</u>                           |

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Approved By Curtis Covey  
 Our Representative RAY SCHWAGER THANK YOU

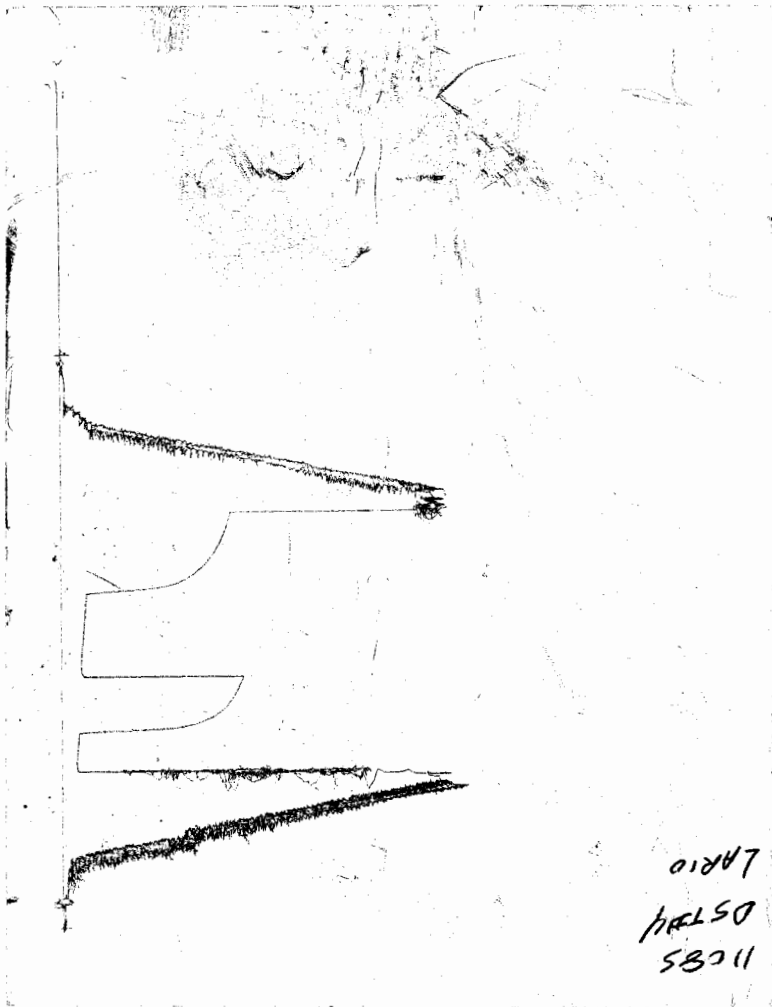
Final Flow 60  
 Final Shut-In 60  
 T-On Location 0715  
 T-Started 0744  
 T-Open 0940  
 T-Pulled 1255  
 T-Out 1510

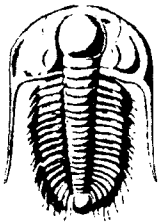
Shale Packer -  
 Mileage ✓18  
 Sub Total: 1218  
 Std. By -  
 Other -  
 Total: -



# CHART PAGE

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# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 17701

12/02

## Test Ticket

|                                                                         |                                        |                                    |
|-------------------------------------------------------------------------|----------------------------------------|------------------------------------|
| Well Name & No. <u>Schoonover Trust # 1-10</u>                          | Test No. <u>#5</u>                     | Date <u>9-26-03</u>                |
| Company <u>Lario Oil &amp; Gas Corp.</u>                                | Zone Tested <u>Cherokee, Johnson</u>   |                                    |
| Address <u>301 S. Market Wichita, KS 67202</u>                          | Elevation <u>2724'</u> KB <u>2919'</u> | GL                                 |
| Co. Rep / Geo. <u>Cart's Covey</u>                                      | Cont. <u>A.D. #1</u>                   | Est. Ft. of Pay _____ Por. _____ % |
| Location: Sec. <u>10</u> Twp. <u>17</u> Rge. <u>31</u> Co. <u>Scott</u> | State <u>Ks</u>                        |                                    |
| No. of Copies <u>Therm.</u> Distribution Sheet (Y, N) _____             | Turnkey (Y, N) _____                   | Evaluation (Y, N) _____            |

|                                                                          |                      |                                    |                                      |
|--------------------------------------------------------------------------|----------------------|------------------------------------|--------------------------------------|
| Interval Tested <u>4493</u>                                              | <u>4566</u>          | Initial Str Wt./Lbs. <u>68,000</u> | Unseated Str Wt./Lbs. <u>72,000</u>  |
| Anchor Length _____                                                      | <u>73</u>            | Wt. Set Lbs. <u>30,000</u>         | Wt. Pulled Loose/Lbs. <u>100,000</u> |
| Top Packer Depth _____                                                   | <u>4488</u>          | Tool Weight <u>1500</u>            |                                      |
| Bottom Packer Depth _____                                                | <u>4493</u>          | Hole Size 7 7/8" <u>✓</u>          | Rubber Size 6 3/4" <u>✓</u>          |
| Total Depth _____                                                        | <u>4566</u>          | Wt. Pipe Run _____                 | Drill Collar Run _____               |
| Mud Wt. <u>9.2</u> LCM <u>#1</u> Vis. <u>47</u> WL <u>8.8</u>            |                      | Drill Pipe Size <u>4 1/2 x 4</u>   | Ft. Run _____                        |
| Blow Description <u>B.O.B in 5 min</u> (Gas to Surface on final shut in) |                      |                                    |                                      |
| <u>Bleed off for 5 min, Return in 1 min built to 8" in.</u>              |                      |                                    |                                      |
| <u>8" in @ open B.O.B in 1 1/2 min.</u>                                  |                      |                                    |                                      |
| <u>Bleed off for 5 min, Return in 1 min B.O.B in 35 min</u>              |                      |                                    |                                      |
| Recovery - Total Feet <u>750</u>                                         | GIP <u>G.T.S.</u>    | Ft. in DC _____                    | Ft. in DP <u>750'</u>                |
| Rec. <u>150'</u>                                                         | Feet of <u>CGO</u>   | <u>35%</u>                         | <u>65%</u>                           |
| Rec. <u>600'</u>                                                         | Feet of <u>MC GO</u> | <u>20%</u>                         | <u>40%</u>                           |
| Rec. _____                                                               | Feet of _____        |                                    |                                      |
| Rec. _____                                                               | Feet of _____        |                                    |                                      |
| Rec. _____                                                               | Feet of _____        |                                    |                                      |
| BHT <u>134°</u>                                                          | °F Gravity <u>36</u> | °API D @ <u>90°</u>                | °F Corrected Gravity <u>33</u> °API  |
| RW _____ @ _____ °F                                                      | Chlorides _____ ppm  | Recovery _____                     | Chlorides <u>1000</u> ppm System     |

|                                  |                 |                                 |                                         |
|----------------------------------|-----------------|---------------------------------|-----------------------------------------|
| AK-1                             | Alpine          |                                 |                                         |
| (A) Initial Hydrostatic Mud      | <u>2258</u> PSI | Recorder No. <u>3017</u>        | Test <u>X</u> <u>800.00</u>             |
| (B) First Initial Flow Pressure  | <u>41</u> PSI   | (depth) <u>4494'</u>            | Elec. Rec. <u>✓</u> <u>150.00</u>       |
| (C) First Final Flow Pressure    | <u>153</u> PSI  | Recorder No. <u>11058</u>       | Jars <u>X</u> <u>200.00</u>             |
| (D) Initial Shut-In Pressure     | <u>1090</u> PSI | (depth) <u>4561'</u>            | Safety Jt. <u>✓</u> <u>50.00</u>        |
| (E) Second Initial Flow Pressure | <u>169</u> PSI  | Recorder No. _____              | Circ Sub <u>X</u> <u>N/A</u>            |
| (F) Second Final Flow Pressure   | <u>323</u> PSI  | (depth) _____                   | Sampler _____                           |
| (G) Final Shut-In Pressure       | <u>1047</u> PSI | Initial Opening <u>30</u>       | Straddle _____                          |
| (Q) Final Hydrostatic Mud        | <u>2226</u> PSI | Initial Shut-In <u>60</u>       | Ext. Packer _____                       |
|                                  |                 | Final Flow <u>60</u>            | Shale Packer _____                      |
|                                  |                 | Final Shut-In <u>90</u>         | Mileage <u>X</u> <u>18</u> <u>1 way</u> |
|                                  |                 | T-On Location <u>02:15 A.M.</u> | Sub Total: <u>1218</u>                  |
|                                  |                 | T-Started <u>03:55 A.M.</u>     | Std. By <u>2 1/2 hrs</u> <u>75.00</u>   |
|                                  |                 | T-Open <u>06:00 A.M.</u>        | Other _____                             |
|                                  |                 | T-Pulled <u>10:00 A.M.</u>      | Total: <u>1293.00</u>                   |
|                                  |                 | T-Out <u>12:45 P.M.</u>         |                                         |

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Approved By [Signature]

Our Representative [Signature]

# CHART PAGE

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

