

## DRILL STEM TEST REPORT

Prepared For: **Exco Resources**

12377 Merit Drive 1700 Dallas TX 75251

ATTN: Ed Greives

**10 35 29**

### **Adams Ranch 13-10**

Start Date: 2004.02.05 @ 20:00:40

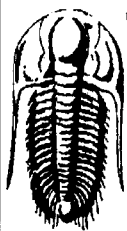
End Date: 2004.02.06 @ 01:51:33

Job Ticket #: 17321                      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

Exco Resources

12377 Merit Dr ste 1700 Dallas TX 75251

ATTN: Ed Greives

**Adams Ranch 13-10**

**10 35 29**

Job Ticket: 17321

**DST#: 1**

Test Start: 2004.02.05 @ 20:00:40

### GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 01:51:33

Test Type: Conventional Bottom Hole

Tester: Blake & Kevin

Unit No: 20

Interval: **4371.00 ft (KB) To 4381.00 ft (KB) (TVD)**

Total Depth: 4381.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Good

Reference Elevations: 2369.00 ft (KB)

2357.00 ft (CF)

KB to GR/CF: 12.00 ft

**Serial #: 6667** Inside

Press@RunDepth: psig @ 4373.00 ft (KB)

Start Date: 2004.02.05

End Date:

2004.02.06

Start Time: 20:00:41

End Time:

01:51:33

Capacity: 7000.00 psig

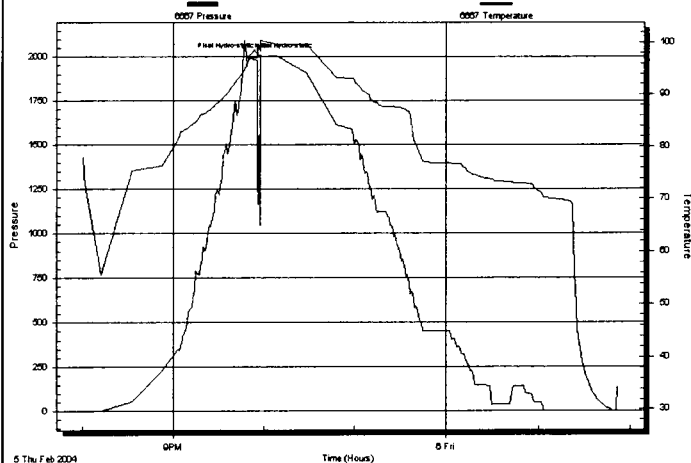
Last Calib.: 1899.12.30

Time On Btm: 2004.02.05 @ 21:49:40

Time Off Btm: 2004.02.05 @ 21:58:03

TEST COMMENT: Made it to 4117, Hit bridge, tried working through it with no success. Consulted Geo and started out of the hole

Pressure vs. Time



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2000.89         | 96.37        | Initial Hydro-static |
| 9           | 2002.01         | 100.37       | Final Hydro-static   |

### Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |

### Gas Rates

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



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

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Exco Resources

12377 Merit Dr ste 1700 Dallas TX 75251

ATTN: Ed Greives

**Adams Ranch 13-10**

**10 35 29**

Job Ticket: 17321

**DST#: 1**

Test Start: 2004.02.05 @ 20:00:40

### Tool Information

|                           |                    |                         |                   |                                   |
|---------------------------|--------------------|-------------------------|-------------------|-----------------------------------|
| Drill Pipe:               | Length: 3993.00 ft | Diameter: 3.80 inches   | Volume: 56.01 bbl | Tool Weight: 1800.00 lb           |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches   | Volume: 0.00 bbl  | Weight set on Packer: 20000.00 lb |
| Drill Collar:             | Length: 367.00 ft  | Diameter: 2.25 inches   | Volume: 1.80 bbl  | Weight to Pull Loose: lb          |
|                           |                    | Total Volume: 57.81 bbl |                   | Tool Chased ft                    |
| Drill Pipe Above KB:      | 16.00 ft           |                         |                   | String Weight: Initial lb         |
| Depth to Top Packer:      | 4371.00 ft         |                         |                   | Final lb                          |
| Depth to Bottom Packer:   | ft                 |                         |                   |                                   |
| Interval between Packers: | 10.00 ft           |                         |                   |                                   |
| Tool Length:              | 37.00 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 |             | 4349.00 |                               |
| Hydraulic tool | 5.00 |             | 4354.00 |                               |
| Jars           | 5.00 |             | 4359.00 |                               |
| Safety Joint   | 3.00 |             | 4362.00 |                               |
| Packer         | 5.00 |             | 4367.00 | 27.00 Bottom Of Top Packer    |
| Packer         | 4.00 |             | 4371.00 |                               |
| Stubb          | 1.00 |             | 4372.00 |                               |
| Perforations   | 1.00 |             | 4373.00 |                               |
| Recorder       | 0.00 | 6667 Inside | 4373.00 |                               |
| Perforations   | 5.00 |             | 4378.00 |                               |
| Recorder       | 0.00 | 11019       | 4378.00 |                               |
| Bullnose       | 3.00 |             | 4381.00 | 10.00 Bottom Packers & Anchor |

**Total Tool Length: 37.00**



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

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Exco Resources

**Adams Ranch 13-10**

12377 Merit Dr ste 1700 Dallas TX 75251

**10 35 29**

Job Ticket: 17321

**DST#: 1**

ATTN: Ed Greives

Test Start: 2004.02.05 @ 20:00:40

### 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: 41.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

| Length<br>ft | Description | Volume<br>bbl |
|--------------|-------------|---------------|
|              |             |               |

Total Length:

ft

Total Volume:

bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

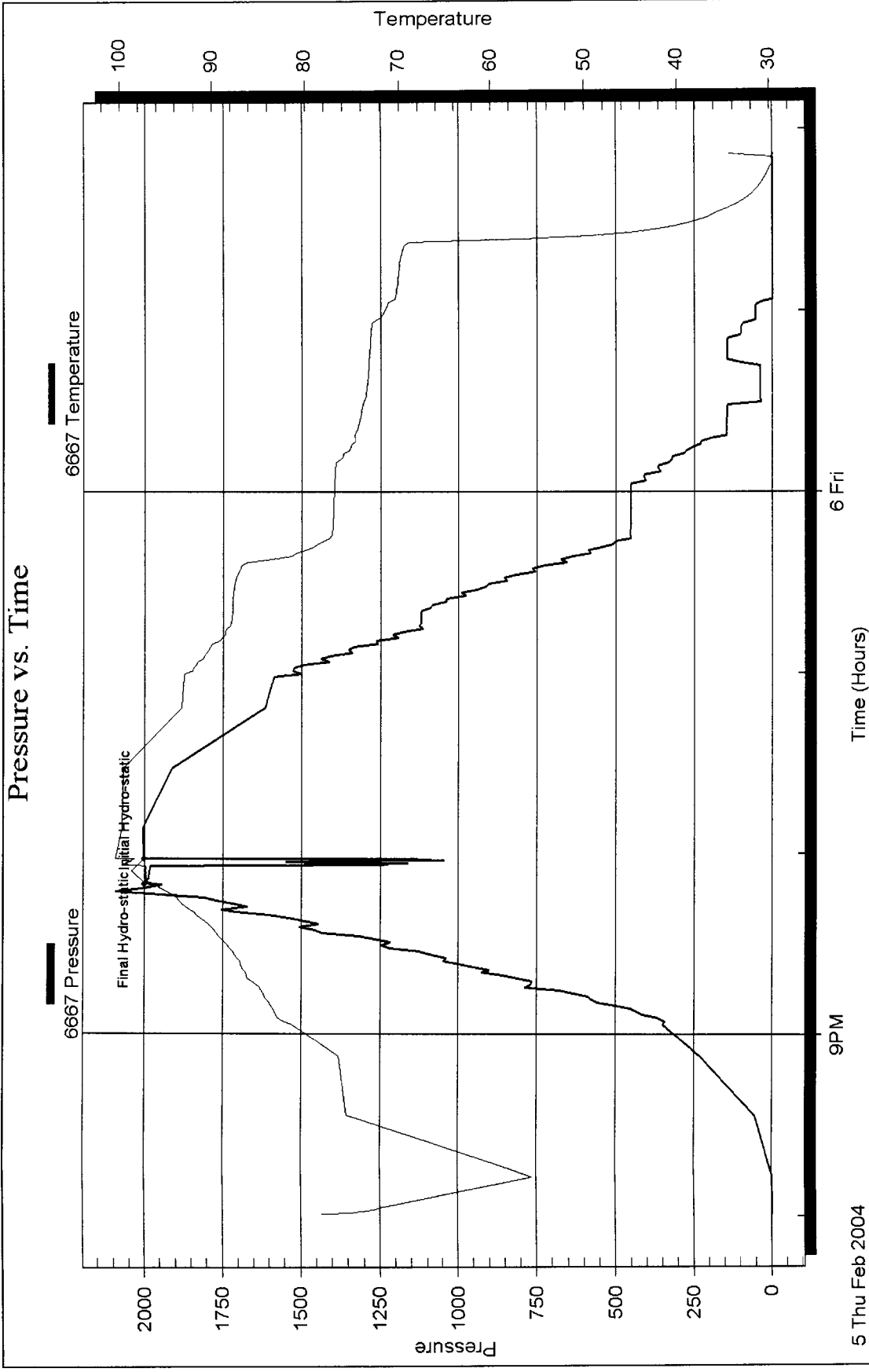
Serial #:

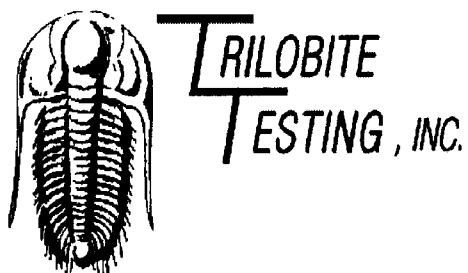
Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Exco Resources**

12377 Merit Dv ste 1700 Dallas TX 75251

ATTN: Ed Greives

**10 35 29**

### **Adams Ranch 13-10**

Start Date: 2004.02.06 @ 14:00:09

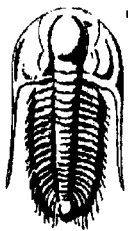
End Date: 2004.02.06 @ 23:19:09

Job Ticket #: 17322                      DST #: 2

Trilobite Testing, Inc

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



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**TESTING, INC.**

## DRILL STEM TEST REPORT

Exco Resources

12377 Merit Dr ste 1700 Dallas TX 75251

ATTN: Ed Greives

**Adams Ranch 13-10**

**10 35 29**

Job Ticket: 17322

**DST#: 2**

Test Start: 2004.02.06 @ 14:00:09

### GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:40:39

Time Test Ended: 23:19:09

Test Type: Conventional Bottom Hole

Tester: Blake & Kevin

Unit No: 20

Interval: **4371.00 ft (KB) To 4381.00 ft (KB) (TVD)**

Reference Elevations: 2369.00 ft (KB)

Total Depth: 4381.00 ft (KB) (TVD)

2357.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

**Serial #: 6667**

**Inside**

Press@RunDepth: 176.43 psig @ 4373.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2004.02.06

End Date:

2004.02.06

Last Calib.:

1899.12.30

Start Time: 14:00:10

End Time:

23:19:09

Time On Btm:

2004.02.06 @ 16:38:39

Time Off Btm:

2004.02.06 @ 21:14:39

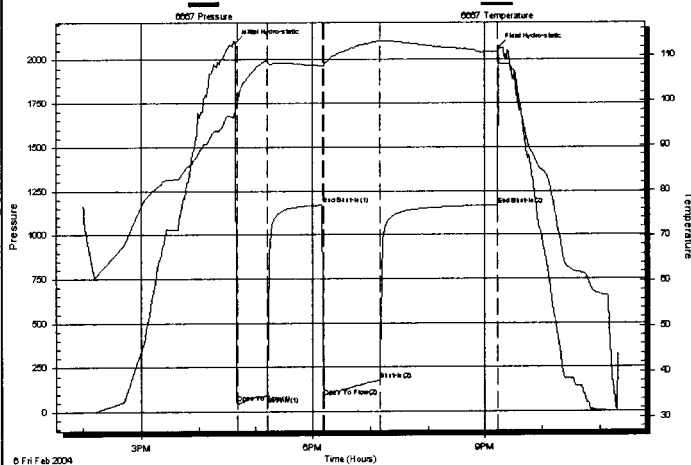
TEST COMMENT: IF-strong blow BOB 10 sec GTS 13 min

ISI-no blow back

FF-strong blow BOB 30 sec

FSI-no blow back

Pressure vs. Time



### PRESSURE SUMMARY

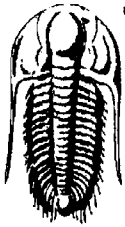
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2095.99         | 97.70        | Initial Hydro-static |
| 2           | 50.24           | 99.37        | Open To Flow (1)     |
| 34          | 89.26           | 108.95       | Shut-In (1)          |
| 92          | 1168.85         | 107.77       | End Shut-In (1)      |
| 94          | 83.63           | 108.08       | Open To Flow (2)     |
| 151         | 176.43          | 113.19       | Shut-In (2)          |
| 275         | 1168.35         | 110.86       | End Shut-In (2)      |
| 276         | 2069.32         | 108.56       | Final Hydro-static   |

### Recovery

| Length (ft) | Description    | Volume (bbl) |
|-------------|----------------|--------------|
| 62.00       | 40%M 50%W 10%G | 0.30         |
| 186.00      | 10%M 80%W 10%G | 0.91         |
| 186.00      | 5%M 90%W 5%G   | 1.53         |
|             |                |              |
|             |                |              |
|             |                |              |

### Gas Rates

|                | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|----------------|-----------------|------------------|
| First Gas Rate | 0.13           | 1.00            | 5.76             |
| Last Gas Rate  | 0.13           | 1.00            | 5.76             |
| Max. Gas Rate  | 0.13           | 2.00            | 6.14             |



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

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Exco Resources

**Adams Ranch 13-10**

12377 Merit Dr ste 1700 Dallas TX 75251

**10 35 29**

Job Ticket: 17322

**DST#: 2**

ATTN: Ed Greives

Test Start: 2004.02.06 @ 14:00:09

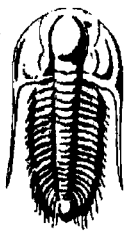
### Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 3993.00 ft | Diameter: 3.80 inches | Volume: 56.01 bbl              | Tool Weight: 1800.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 20000.00 lb  |
| Drill Collar:             | Length: 367.00 ft  | Diameter: 2.25 inches | Volume: 1.80 bbl               | Weight to Pull Loose: 82000.00 lb  |
|                           |                    |                       | <u>Total Volume: 57.81 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 16.00 ft           |                       |                                | String Weight: Initial 81000.00 lb |
| Depth to Top Packer:      | 4371.00 ft         |                       |                                | Final 81000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 10.00 ft           |                       |                                |                                    |
| Tool Length:              | 37.00 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 |       |        | 4349.00 |                               |
| Hydraulic tool | 5.00 |       |        | 4354.00 |                               |
| Jars           | 5.00 |       |        | 4359.00 |                               |
| Safety Joint   | 3.00 |       |        | 4362.00 |                               |
| Packer         | 5.00 |       |        | 4367.00 | 27.00 Bottom Of Top Packer    |
| Packer         | 4.00 |       |        | 4371.00 |                               |
| Stubb          | 1.00 |       |        | 4372.00 |                               |
| Perforations   | 1.00 |       |        | 4373.00 |                               |
| Recorder       | 0.00 | 6667  | Inside | 4373.00 |                               |
| Perforations   | 5.00 |       |        | 4378.00 |                               |
| Recorder       | 0.00 | 11019 |        | 4378.00 |                               |
| Bullnose       | 3.00 |       |        | 4381.00 | 10.00 Bottom Packers & Anchor |

**Total Tool Length: 37.00**



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

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Exco Resources

**Adams Ranch 13-10**

12377 Merit Dr ste 1700 Dallas TX 75251

**10 35 29**

Job Ticket: 17322

**DST#: 2**

ATTN: Ed Greives

Test Start: 2004.02.06 @ 14:00:09

### 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: 150000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

| Length<br>ft | Description    | Volume<br>bbl |
|--------------|----------------|---------------|
| 62.00        | 40%M 50%W 10%G | 0.305         |
| 186.00       | 10%M 80%W 10%G | 0.915         |
| 186.00       | 5%M 90%W 5%G   | 1.525         |

Total Length: 434.00 ft

Total Volume: 2.745 bbl

Num Fluid Samples: 1

Num Gas Bombs: 0

Serial #:

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments: RW= .065 @ 60 deg Chlorides= 150000



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

## DRILL STEM TEST REPORT

**GAS RATES**

Exco Resources

**Adams Ranch 13-10**

12377 Merit Dr ste 1700 Dallas TX 75251

**10 35 29**

Job Ticket: 17322

**DST#: 2**

ATTN: Ed Greives

Test Start: 2004.02.06 @ 14:00:09

### Gas Rates Information

Temperature: 59 deg C

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

| Flow Period | Elapsed Time | Choke<br>(mm) | Pressure<br>(kPaa) | Gas Rate<br>(m³/d) |
|-------------|--------------|---------------|--------------------|--------------------|
| 1           | 15           | 0.13          | 1.00               | 5.76               |
| 1           | 20           | 0.13          | 1.00               | 5.76               |
| 1           | 30           | 0.13          | 1.00               | 5.76               |
| 2           | 10           | 0.13          | 2.00               | 6.14               |
| 2           | 20           | 0.13          | 1.00               | 5.76               |
| 2           | 30           | 0.13          | 1.00               | 5.76               |
| 2           | 40           | 0.13          | 1.00               | 5.76               |
| 2           | 50           | 0.13          | 1.00               | 5.76               |
| 2           | 60           | 0.13          | 1.00               | 5.76               |

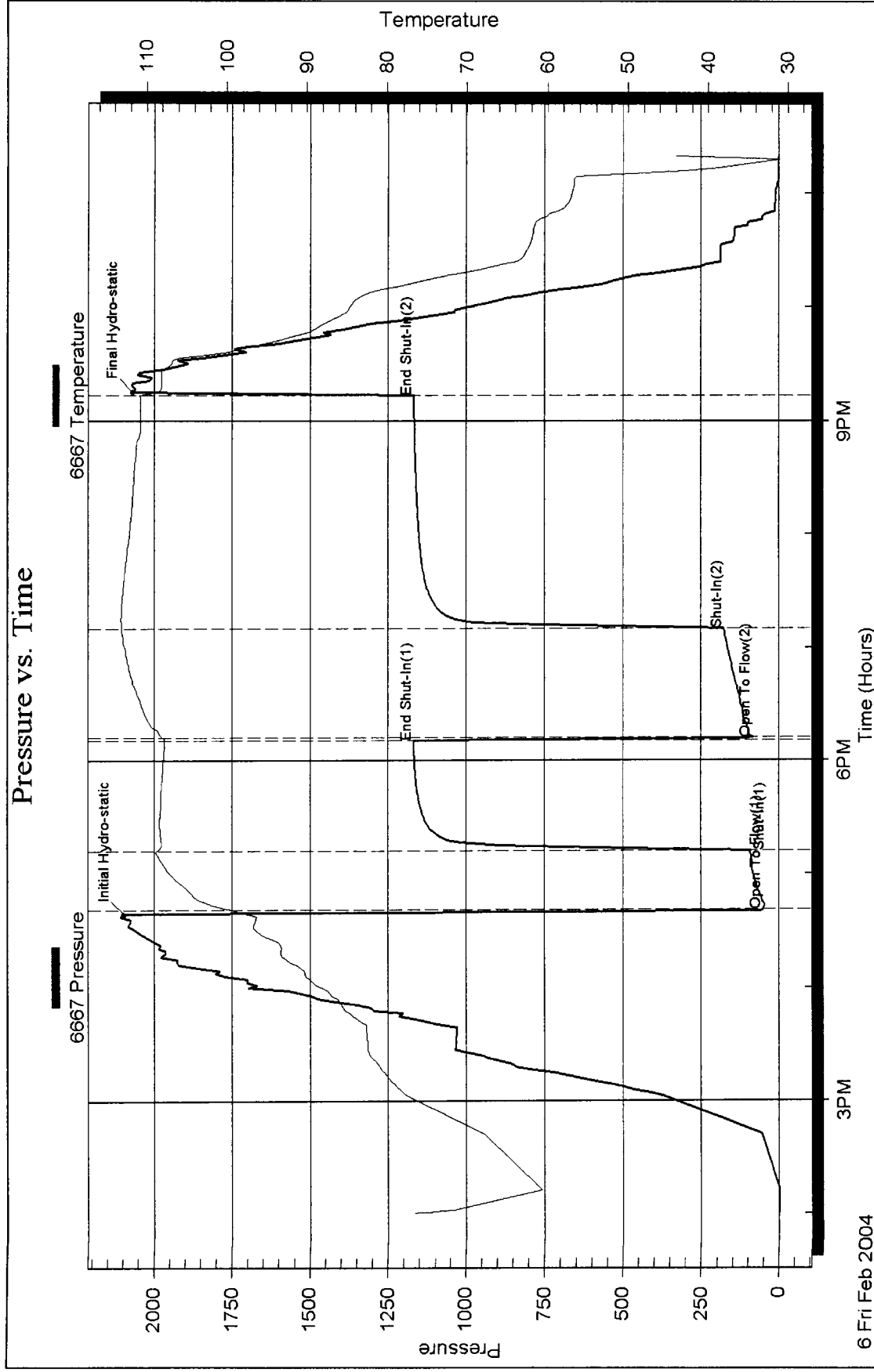
Serial #: 6667

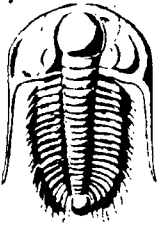
Inside

Exco Resources

10 35 29

DST Test Number: 2





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 17321

12/02

## Test Ticket

Well Name & No. Adams Ranch 13-10 Test No. 1 Date 2/5/04  
Company EXCO Resources Zone Tested TORONTO  
Address 12377 Merit Dr. Ste 1700 Dallas TX Elevation 2369 KB 2357 GL  
Co. Rep / Geo. Ed Greives Cont. Duke #6 Est. Ft. of Pay \_\_\_\_\_ Por. \_\_\_\_\_ %  
Location: Sec. 10 Twp. 35 Rge. 29 Co. Mead State KS  
No. of Copies \_\_\_\_\_ Distribution Sheet (Y, N) \_\_\_\_\_ Turnkey (Y, N) \_\_\_\_\_ Evaluation (Y, N) \_\_\_\_\_

Interval Tested 4371-4381 Initial Str Wt./Lbs. \_\_\_\_\_ Unseated Str Wt./Lbs. \_\_\_\_\_  
Anchor Length 10 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. \_\_\_\_\_  
Top Packer Depth 4366 Tool Weight 1800  
Bottom Packer Depth 4371 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓  
Total Depth 4381 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run 367  
Mud Wt. 9.1 LCM 2# Vis. 41 WL 10.8 Drill Pipe Size 4 1/2 X hole Ft. Run 3993  
Blow Description Made it to 417 hit bridge, tried working through with no success, consulted Geo and started out of the hole

Recovery - Total Feet \_\_\_\_\_ GIP \_\_\_\_\_ Ft. in DC \_\_\_\_\_ Ft. in DP \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
BHT \_\_\_\_\_ °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery \_\_\_\_\_ Chlorides 3200 ppm System

|                                  | AK-1        | Alpine | Recorder No. | Test                  |
|----------------------------------|-------------|--------|--------------|-----------------------|
| (A) Initial Hydrostatic Mud      | <u>2000</u> | PSI    | <u>6667</u>  | <u>✓ conventional</u> |
| (B) First Initial Flow Pressure  |             | PSI    | <u>4373</u>  | Elec. Rec. <u>✓</u>   |
| (C) First Final Flow Pressure    |             | PSI    | <u>11019</u> | Jars <u>✓</u>         |
| (D) Initial Shut-In Pressure     |             | PSI    | <u>4379</u>  | Safety Jt. <u>✓</u>   |
| (E) Second Initial Flow Pressure |             | PSI    |              | Circ Sub _____        |
| (F) Second Final Flow Pressure   |             | PSI    |              | Sampler _____         |
| (G) Final Shut-In Pressure       |             | PSI    |              | Straddle _____        |
| (Q) Final Hydrostatic Mud        | <u>2002</u> | PSI    |              | Ext. Packer _____     |

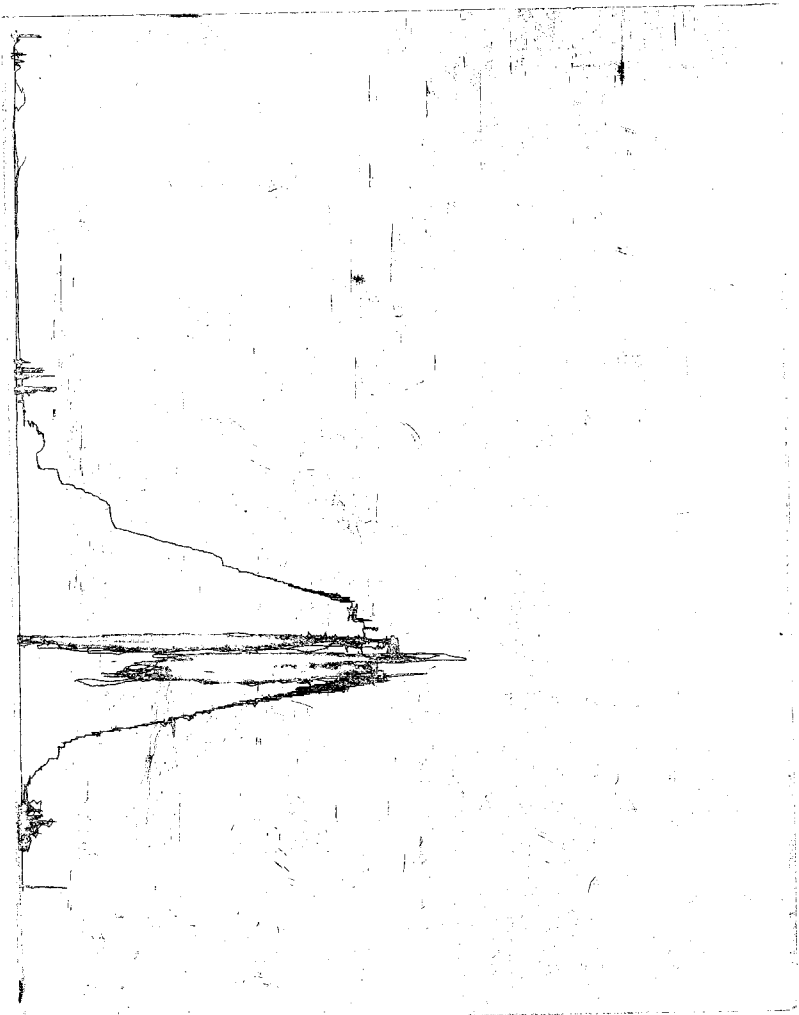
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

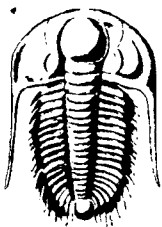
Approved By [Signature]  
Our Representative [Signature]

Final Flow \_\_\_\_\_  
Final Shut-In \_\_\_\_\_  
T-On Location 16:30  
T-Started 20:00  
T-Open 2000  
T-Pulled 2245  
T-Out 01:45  
Shale Packer 590  
Mileage ✓ 590  
Sub Total: \$1490.00  
Std. By 1/4  
Other 15 min. 7.50  
Total: \$1497.50  
\$1760.50

## CHART PAGE

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





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 17322

12/02

## Test Ticket

|                 |                                        |                            |             |                 |        |
|-----------------|----------------------------------------|----------------------------|-------------|-----------------|--------|
| Well Name & No. | Adams Ranch 13-10                      | Test No.                   | 2           | Date            | 2-6-04 |
| Company         | EXCO Resources                         | Zone Tested                | Toronto     |                 |        |
| Address         | 12377 MERITDV STE 1700 DALLAS TX 75251 | Elevation                  | 2369'       | KB              | 2357'  |
| Co. Rep / Geo.  | Ed GRIEVES                             | Cont.                      | Duke Rig #6 | Est. Ft. of Pay |        |
| Location: Sec.  | 10                                     | Twp.                       | 35          | Rge.            | 29     |
|                 |                                        | Co.                        | Meade       | State           | KS     |
| No. of Copies   |                                        | Disbtribution Sheet (Y, N) |             | Turnkey (Y, N)  |        |
|                 |                                        | Evaluation (Y, N)          |             |                 |        |

|                     |            |                      |          |                       |        |
|---------------------|------------|----------------------|----------|-----------------------|--------|
| Interval Tested     | 4371-4381' | Initial Str Wt./Lbs. | 81000    | Unseated Str Wt./Lbs. | 81000  |
| Anchor Length       | 10'        | Wt. Set Lbs.         | 20000    | Wt. Pulled Loose/Lbs. | 82000  |
| Top Packer Depth    | 4366'      | Tool Weight          | 1800     |                       |        |
| Bottom Packer Depth | 4371'      | Hole Size 7 7/8"     | ✓        | Rubber Size 6 3/4"    | ✓      |
| Total Depth         | 4381'      | Wt. Pipe Run         | N/A      | Drill Collar Run      | 367'   |
| Mud Wt.             | 9.0        | Drill Pipe Size      | 4.5 X 11 | Ft. Run               | 399.3' |
| LCM                 | 3          |                      |          |                       |        |
| Vis.                | 48         |                      |          |                       |        |
| WL                  | 8.4        |                      |          |                       |        |

Blow Description IF-Strong blow BOB 10 sec GTS 13 min

ISI- No blow back

IF-Strong blow BOB 30 sec

ISI- No blow back

Recovery - Total Feet 434' GIP Ft. in DC Ft. in DP

Rec. 62' Feet of 40% m 50% w 10% c

Rec. 186' Feet of 10% m 80% w 10% c

Rec. 186' Feet of 5% m 90% w 5% c

Rec. Feet of

Rec. Feet of

BHT 110 °F Gravity °API D @ °F Corrected Gravity °API

RW 0.065 @ 60 °F Chlorides 150000 ppm Recovery Chlorides 3500 ppm System

|                                  |      |        |      |     |                 |       |              |                |
|----------------------------------|------|--------|------|-----|-----------------|-------|--------------|----------------|
| (A) Initial Hydrostatic Mud      | AK-1 | Alpine | 2095 | PSI | Recorder No.    | 66667 | Test         | ✓ Conventional |
| (B) First Initial Flow Pressure  |      |        | 50   | PSI | (depth)         | 4373' | Elec. Rec.   | ✓              |
| (C) First Final Flow Pressure    |      |        | 89   | PSI | Recorder No.    | 11019 | Jars         | ✓              |
| (D) Initial Shut-In Pressure     |      |        | 1168 | PSI | (depth)         | 4379' | Safety Jt.   | ✓              |
| (E) Second Initial Flow Pressure |      |        | 83   | PSI | Recorder No.    |       | Circ Sub     |                |
| (F) Second Final Flow Pressure   |      |        | 176  | PSI | (depth)         |       | Sampler      |                |
| (G) Final Shut-In Pressure       |      |        | 1168 | PSI | Initial Opening | 30    | Straddle     |                |
| (Q) Final Hydrostatic Mud        |      |        | 2069 | PSI | Initial Shut-In | 60    | Ext. Packer  |                |
|                                  |      |        |      |     | Final Flow      | 60    | Shale Packer | ✓              |
|                                  |      |        |      |     | Final Shut-In   | 180   | Mileage      | ✓ \$70.00      |
|                                  |      |        |      |     | T-On Location   | 01345 | Sub Total:   | \$1425.00      |
|                                  |      |        |      |     | T-Started       | 1400  | Std. By      | 2 1/2 hrs 75   |
|                                  |      |        |      |     | T-Open          | 1640  | Other        |                |
|                                  |      |        |      |     | T-Pulled        | 2110  | Total:       | \$1495.00      |
|                                  |      |        |      |     | T-Out           | 2315  |              | 1578           |

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Approved By *[Signature]*

Our Representative *[Signature]*

**ING L.L.C.**

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# GAS VOLUME REPORT

## Resources

## OPERATOR

Adams Ranch 13-10

WELL NAME AND NO.

2

DST NO.

[illegible]

Remarks:

Remarks: GAS will burn

## CHART PAGE

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

