

**TRILOBITE
TESTING, INC.**

**RECEIVED
JUN 30 2003
KCC WICHITA**

DRILL STEM TEST REPORT

Prepared for: *Raydon*
Raydon Exploration Inc

9400 N Broadway Ste 400 Oklahoma City OK
73114

CONFIDENTIAL

ATTN: Ed Greives

KCC

33-33-30

JUN 26 2003

Trophy #1

CONFIDENTIAL

Start Date: 2003.06.05 @ 02:01:59

End Date: 2003.06.05 @ 12:22:09

Job Ticket #: 16072

DST #: 1

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

**Release
JUL 13 2004
From
Confidential**

Raydon Exploration Inc

Trophy #1

33-33-30

DST # 1

Toronto

2003.06.05



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Raydon Exploration Inc

Trophy #1

9400 N Broadway Ste 400 Oklahoma City OK 73114

33-33-30

Job Ticket: 16072

DST#: 1

ATTN: Ed Greives

Test Start: 2003.06.05 @ 02:01:39

GENERAL INFORMATION:

Formation: **Toronto**

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

Time Tool Opened: 05:14:39

Time Test Ended: 12:22:09

Interval: **4440.00 ft (KB) To 4470.00 ft (KB) (TVD)**

Total Depth: **4470.00 ft (KB) (TVD)**

Hole Diameter: **7.78 inches** Hole Condition: **Good**

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JUN 26 2003

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Test Type: **Conventional Bottom Hole**

Tester: **Blake Wallace**

Unit No: **20**

Reference Elevations: **2709.00 ft (KB)**

2697.00 ft (CF)

KB to GR/CF: **12.00 ft**

Serial #: 3030

Inside

Press@RunDepth: **66.97 psig @ 4442.00 ft (KB)**

Start Date: **2003.06.05**

End Date: **2003.06.05**

Start Time: **02:01:43**

End Time: **12:22:09**

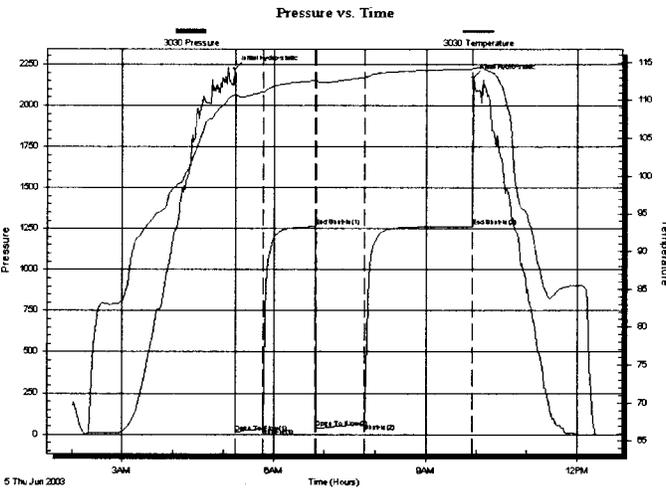
Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Time On Btm: **2003.06.05 @ 05:13:09**

Time Off Btm: **2003.06.05 @ 09:55:39**

TEST COMMENT: F-weak blow built to 1/2 inch
 IS-no blow back
 FF-weak surface blow died after 30 min
 FS-no blow back



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2223.26 | 110.65 | Initial Hydro-static |
| 2 | 12.14 | 110.67 | Open To Flow (1) |
| 34 | 36.83 | 111.10 | Shut-In(1) |
| 96 | 1260.95 | 112.57 | End Shut-In(1) |
| 96 | 37.25 | 112.58 | Open To Flow (2) |
| 154 | 66.97 | 113.01 | Shut-In(2) |
| 282 | 1262.56 | 114.16 | End Shut-In(2) |
| 283 | 2171.13 | 114.17 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 15.00 | 100% Mud | 0.07 |
| 31.00 | 30% W 70% M | 0.15 |
| 62.00 | 50% W 50% M | 0.30 |
| | | |
| | | |

Gas Rates

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

| | | | |
|--|-----------------------------------|------------------|---------------------|
|  <p>TRILOBITE TESTING, INC</p> | DRILL STEM TEST REPORT | | TOOL DIAGRAM |
| | Raydon Exploration Inc | Trophy #1 | |
| 9400 N Broadway Ste 400 Oklahoma City OK 73114 | 33-33-30 | | |
| ATTN: Ed Greives | Job Ticket: 16072 | DST#: 1 | |
| | Test Start: 2003.06.05 @ 02:01:39 | | |

Tool Information

| | | | |
|------------------------------------|-------------------------|-------------------|------------------------------------|
| Drill Pipe: Length: 4202.00 ft | Diameter: 3.80 inches | Volume: 58.94 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: 242.00 ft | Diameter: 2.25 inches | Volume: 1.19 bbl | Weight to Pull Loose: 90000.00 lb |
| | Total Volume: 60.13 bbl | | Tool Chased 0.00 ft |
| Drill Pipe Above KB: 26.00 ft | | | String Weight: Initial 62000.00 lb |
| Depth to Top Packer: 4440.00 ft | | | Final 64000.00 lb |
| Depth to Bottom Packer: ft | | | |
| Interval between Packers: 30.00 ft | | | |
| Tool Length: 52.00 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 | | | 4419.00 | | |
| S.I. Tool | 5.00 | | | 4424.00 | | |
| HMV | 5.00 | | | 4429.00 | | |
| Safety Joint | 2.00 | | | 4431.00 | | |
| Packer | 5.00 | | | 4436.00 | 22.00 | Bottom Of Top Packer |
| Packer | 4.00 | | | 4440.00 | | |
| Stubb | 1.00 | | | 4441.00 | | |
| Perforations | 1.00 | | | 4442.00 | | |
| Recorder | 0.00 | 3030 | Inside | 4442.00 | | |
| Perforations | 25.00 | | | 4467.00 | | |
| Recorder | 0.00 | 11019 | Outside | 4467.00 | | |
| Bullnose | 3.00 | | | 4470.00 | 30.00 | Bottom Packers & Anchor |

Total Tool Length: 52.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Raydon Exploration Inc

Trophy #1

9400 N Broadway Ste 400 Oklahoma City OK
73114

33-33-30

Job Ticket: 16072

DST#: 1

ATTN: Ed Greives

Test Start: 2003.06.05 @ 02:01:39

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: 41.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 15.00 | 100% Mud | 0.074 |
| 31.00 | 30% W 70% M | 0.152 |
| 62.00 | 50% W 50% M | 0.305 |

Total Length: 108.00 ft Total Volume: 0.531 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .151 @ 75 deg chlorides = 42000

Serial #: 3030

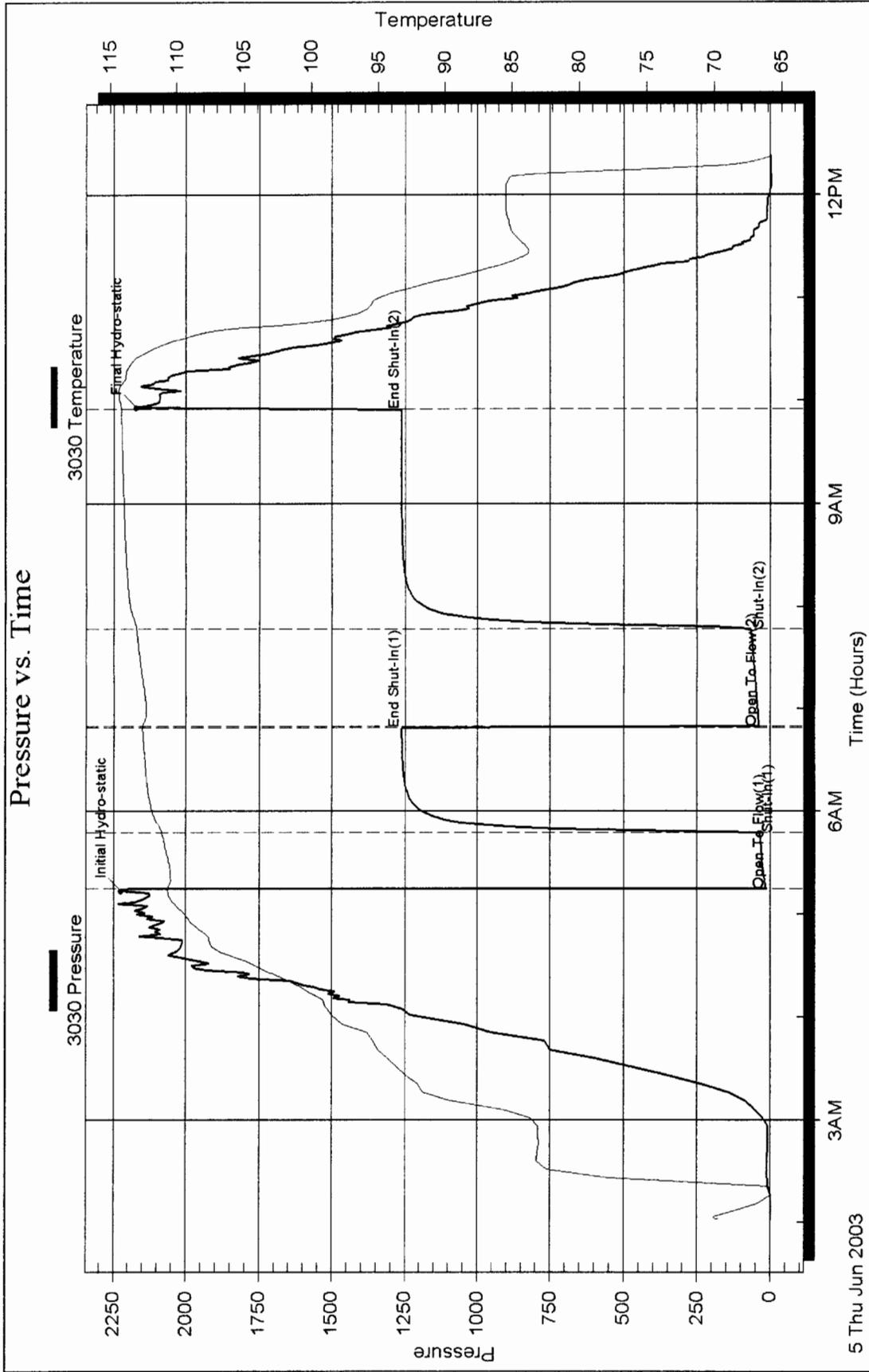
Inside

Raydon Exploration Inc

33-33-30

DST Test Number: 1

Pressure vs. Time



5 Thu Jun 2003

12PM

9AM

6AM

3AM

Time (Hours)

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Raydon Exploration Inc

Trophy #1

33-33-30

DST # 2

Morrow

2003.06.10

DRILL STEM TEST REPORT

Prepared For: **Raydon Exploration Inc**

9400 N Broadway Ste 400 Oklahoma City OK
73114

ATTN: Ed Greives

33-33-30

Trophy #1

Start Date: 2003.06.10 @ 17:35:59

End Date: 2003.06.11 @ 03:30:29

Job Ticket #: 15878 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

Raydon Exploration Inc

Trophy #1

9400 N Broadway Ste 400 Oklahoma City OK
73114

33-33-30

ATTN: Ed Greives

Job Ticket: 15878

DST#: 2

Test Start: 2003.06.10 @ 17:35:59

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:12:29

Time Test Ended: 03:30:29

Test Type: Conventional Bottom Hole

Tester: Shad Vieux

Unit No: 17

Interval: 5805.00 ft (KB) To 5840.00 ft (KB) (TVD)

Reference Elevations: 2709.00 ft (KB)

Total Depth: 5840.00 ft (KB) (TVD)

2697.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 6672

Inside

Press@RunDepth: 31.97 psig @ 5806.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2003.06.10

End Date:

2003.06.11

Last Calib.: 1899.12.30

Start Time: 17:36:01

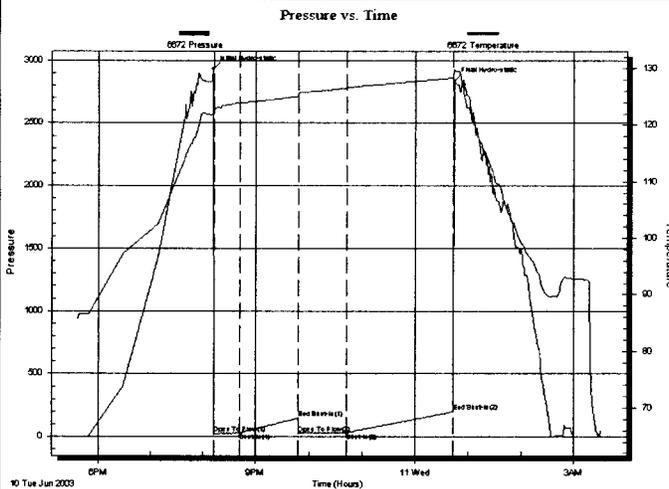
End Time:

03:30:29

Time On Btm: 2003.06.10 @ 20:10:44

Time Off Btm: 2003.06.11 @ 00:44:29

TEST COMMENT: IF- Weak Blow Built to 2"
IS- No Blow Back
FF- Weak Blow Built to 1.5"
FSI- No Blow Back



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2929.74 | 121.86 | Initial Hydro-static |
| 2 | 21.46 | 122.46 | Open To Flow (1) |
| 32 | 27.65 | 123.87 | Shut-In(1) |
| 97 | 147.85 | 125.05 | End Shut-In(1) |
| 97 | 26.63 | 124.99 | Open To Flow (2) |
| 152 | 31.97 | 126.54 | Shut-In(2) |
| 273 | 199.40 | 128.31 | End Shut-In(2) |
| 274 | 2834.66 | 129.79 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 30.00 | 1%-O 99%-M | 0.15 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



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TOOL DIAGRAM

Raydon Exploration Inc

Trophy #1

9400 N Broadway Ste 400 Oklahoma City OK
73114

33-33-30

Job Ticket: 15878

DST#: 2

ATTN: Ed Greives

Test Start: 2003.06.10 @ 17:35:59

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 5565.00 ft | Diameter: 3.80 inches | Volume: 78.06 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: 243.00 ft | Diameter: 2.25 inches | Volume: 1.20 bbl | Weight to Pull Loose: 96000.00 lb |
| | | | <u>Total Volume: 79.26 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 30.00 ft | | | String Weight: Initial 80000.00 lb |
| Depth to Top Packer: | 5805.00 ft | | | Final 82000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 35.00 ft | | | |
| Tool Length: | 62.00 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 | | | 5779.00 | |
| S.I. Tool | 5.00 | | | 5784.00 | |
| HMV | 5.00 | | | 5789.00 | |
| Jars | 5.00 | | | 5794.00 | |
| Safety Joint | 2.00 | | | 5796.00 | |
| Packer | 5.00 | | | 5801.00 | 27.00 Bottom Of Top Packer |
| Packer | 4.00 | | | 5805.00 | |
| Stubb | 1.00 | | | 5806.00 | |
| Recorder | 0.00 | 6672 | Inside | 5806.00 | |
| Perforations | 31.00 | | | 5837.00 | |
| Recorder | 0.00 | 13362 | Inside | 5837.00 | |
| Bullnose | 3.00 | | | 5840.00 | 35.00 Bottom Packers & Anchor |

Total Tool Length: 62.00



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Trophy #1

9400 N Broadway Ste 400 Oklahoma City OK
73114

33-33-30

Job Ticket: 15878

DST#: 2

ATTN: Ed Greives

Test Start: 2003.06.10 @ 17:35:59

Mud and Cushion Information

| | | |
|----------------------------------|----------------------------|--------------------------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: deg API |
| Mud Weight: 9.00 lb/gal | Cushion Length: ft | Water Salinity: 7000 ppm |
| Viscosity: 56.00 sec/qt | Cushion Volume: bbl | |
| Water Loss: 4.39 in ³ | Gas Cushion Type: | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | |
| Salinity: 2700.00 ppm | | |
| Filter Cake: inches | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 30.00 | 1%-O 99%-M | 0.148 |

Total Length: 30.00 ft Total Volume: 0.148 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW= 0.939@67.3

Serial #: 6672

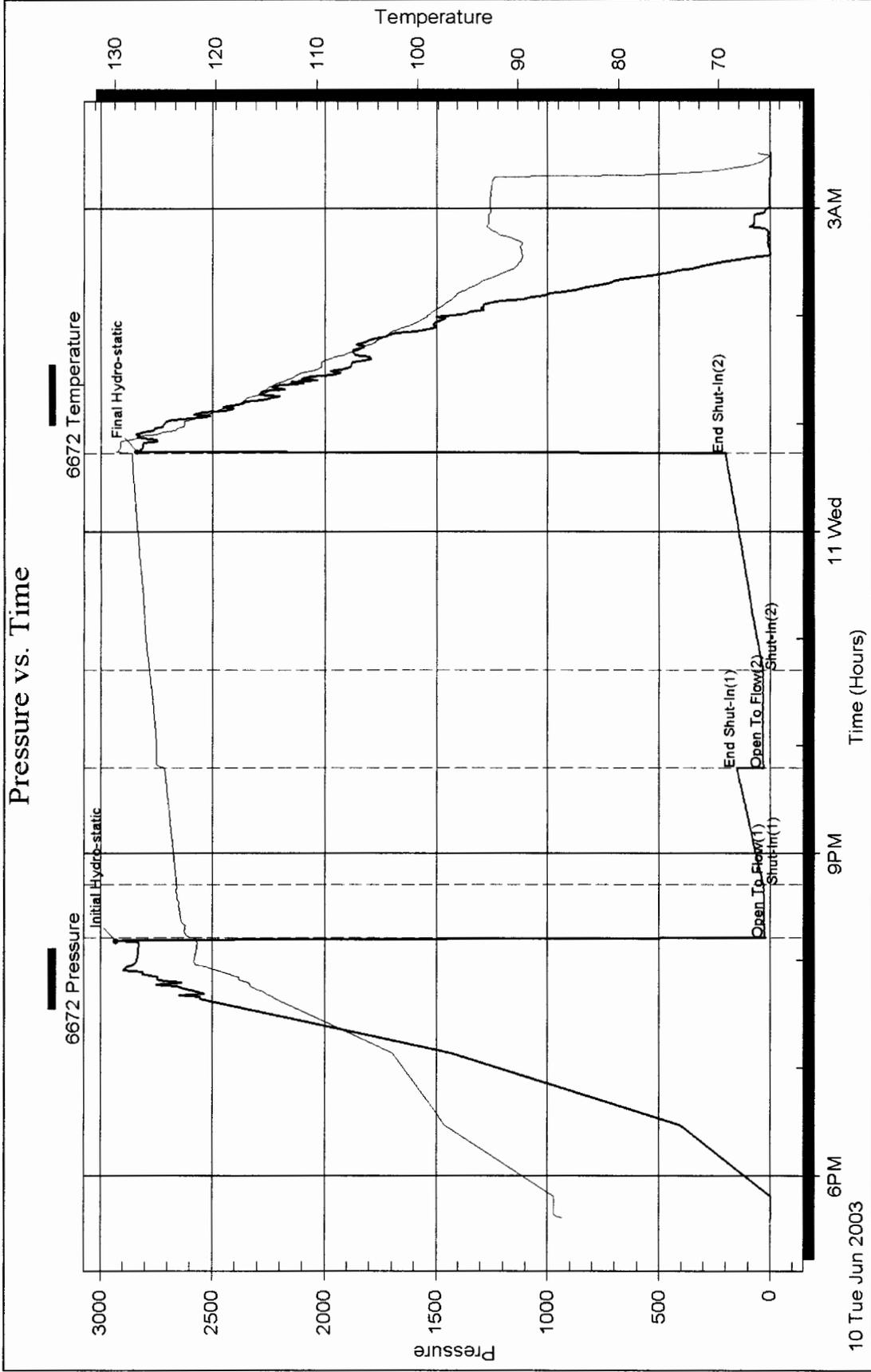
Inside

Raydon Exploration Inc

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DST Test Number: 2

Pressure vs. Time



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