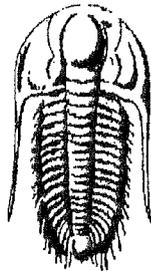


7-32s-13w



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Raymond Oil Co.Inc.**

PO Box 48788
Wichita KS 67201

ATTN: Rocky Milford

7 32s 13w Barber KS

Brook A#1

Start Date: 2006.04.14 @ 23:07:54

End Date: 2006.04.15 @ 06:26:54

Job Ticket #: 24082 DST #: 1

15-007-22995-00-00
NW NENE
330 FNL 915 FEL

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

Raymond Oil Co.Inc.

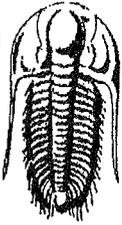
Brook A#1

7 31s 13w Barber KS

DST # 1

Howard

2006.04.14



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Raymond Oil Co. Inc.

Brook A#1

PO Box 48788
Wichita KS 67201

7 3/4s 13w Barber KS

Job Ticket: 24082 **DST#: 1**

ATTN: Rocky Milford

Test Start: 2006.04.14 @ 23:07:54

GENERAL INFORMATION:

Formation: **Howard**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:52:24

Time Test Ended: 06:26:54

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 23

Interval: **3189.00 ft (KB) To 3241.00 ft (KB) (TVD)**

Reference Elevations: 1689.00 ft (KB)

Total Depth: 3241.00 ft (KB) (TVD)

1678.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 11.00 ft

Serial #: 6771

Inside

Press@RunDepth: 34.36 psig @ 3190.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2006.04.14

End Date:

2006.04.15

Last Calib.: 2006.04.15

Start Time: 23:07:59

End Time:

06:26:53

Time On Btm: 2006.04.15 @ 00:51:09

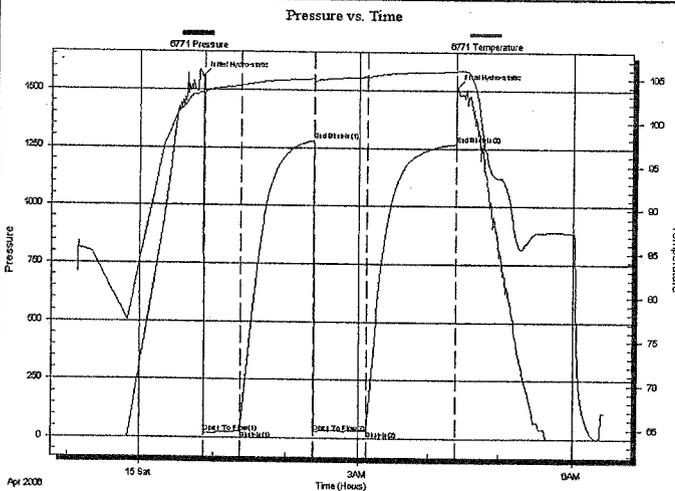
Time Off Btm: 2006.04.15 @ 04:24:09

TEST COMMENT: IF Strong blow BOB in 2"

ISI No blow

FF Strong blow BOB in 2 secs GTS in 22" TSTM

FSI No blow



PRESSURE SUMMARY

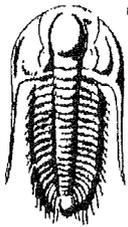
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1556.28 | 103.40 | Initial Hydro-static |
| 2 | 20.69 | 103.10 | Open To Flow (1) |
| 31 | 29.72 | 104.15 | Shut-In(1) |
| 92 | 1280.44 | 104.95 | End Shut-In(1) |
| 93 | 25.94 | 104.59 | Open To Flow (2) |
| 136 | 34.36 | 105.17 | Shut-In(2) |
| 212 | 1268.29 | 105.84 | End Shut-In(2) |
| 213 | 1510.62 | 105.97 | 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

Raymond Oil Co. Inc.

Brook A#1

PO Box 48788
Wichita KS 67201

7 31s 13w Barber KS

Job Ticket: 24082

DST#: 1

ATTN: Rocky Milford

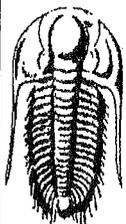
Test Start: 2006.04.14 @ 23:07:54

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3124.00 ft | Diameter: 3.80 inches | Volume: 43.82 bbl | Tool Weight: 2100.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 60.00 ft | Diameter: 2.25 inches | Volume: 0.30 bbl | Weight to Pull Loose: 53000.00 lb |
| | | | <u>Total Volume: 44.12 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 22.00 ft | | | String Weight: Initial 45000.00 lb |
| Depth to Top Packer: | 3189.00 ft | | | Final 45000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 52.00 ft | | | |
| Tool Length: | 79.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|---------------------------|--------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 3163.00 | |
| Shut In Tool | 5.00 | | | 3168.00 | |
| Hydraulic tool | 5.00 | | | 3173.00 | |
| Jars | 5.00 | | | 3178.00 | |
| Safety Joint | 2.00 | | | 3180.00 | |
| Packer | 4.00 | | | 3184.00 | 27.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3189.00 | |
| Stubb | 1.00 | | | 3190.00 | |
| Recorder | 0.00 | 6771 | Inside | 3190.00 | |
| Perforations | 5.00 | | | 3195.00 | |
| Change Over Sub | 1.00 | | | 3196.00 | |
| Blank Spacing | 32.00 | | | 3228.00 | |
| Change Over Sub | 1.00 | | | 3229.00 | |
| Perforations | 7.00 | | | 3236.00 | |
| Recorder | 0.00 | 13222 | Outside | 3236.00 | |
| Bullnose | 5.00 | | | 3241.00 | 52.00 Bottom Packers & Anchor |
| Total Tool Length: | 79.00 | | | | |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Co.Inc.

Brook A#1

PO Box 48788
Wichita KS 67201

7 31s 13w Barber KS

Job Ticket: 24082

DST#: 1

ATTN: Rocky Milford

Test Start: 2006.04.14 @ 23:07:54

Mud and Cushion Information

| | | | |
|-----------------------------------|-----------------------|-----------------|----------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: | deg API |
| Mud Weight: 9.00 lb/gal | Cushion Length: . | Water Salinity: | 3000 ppm |
| Viscosity: 46.00 sec/qt | Cushion Volume: | | |
| Water Loss: 10.37 in ³ | Gas Cushion Type: | | |
| Resistivity: 0.00 ohm.m | Gas Cushion Pressure: | | |
| Salinity: 3000.00 ppm | | | |
| Filter Cake: 0.20 inches | | | |

Recovery Information

Recovery Table

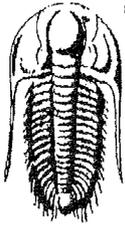
| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| | | |

Total Length: ft Total Volume: 0.576 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Raymond Oil Co. Inc.

Brook A#1

PO Box 48788
Wichita KS 67201

7 31s 13w Barber KS

Job Ticket: 24082

DST#: 1

ATTN: Rocky Milford

Test Start: 2006.04.14 @ 23:07:54

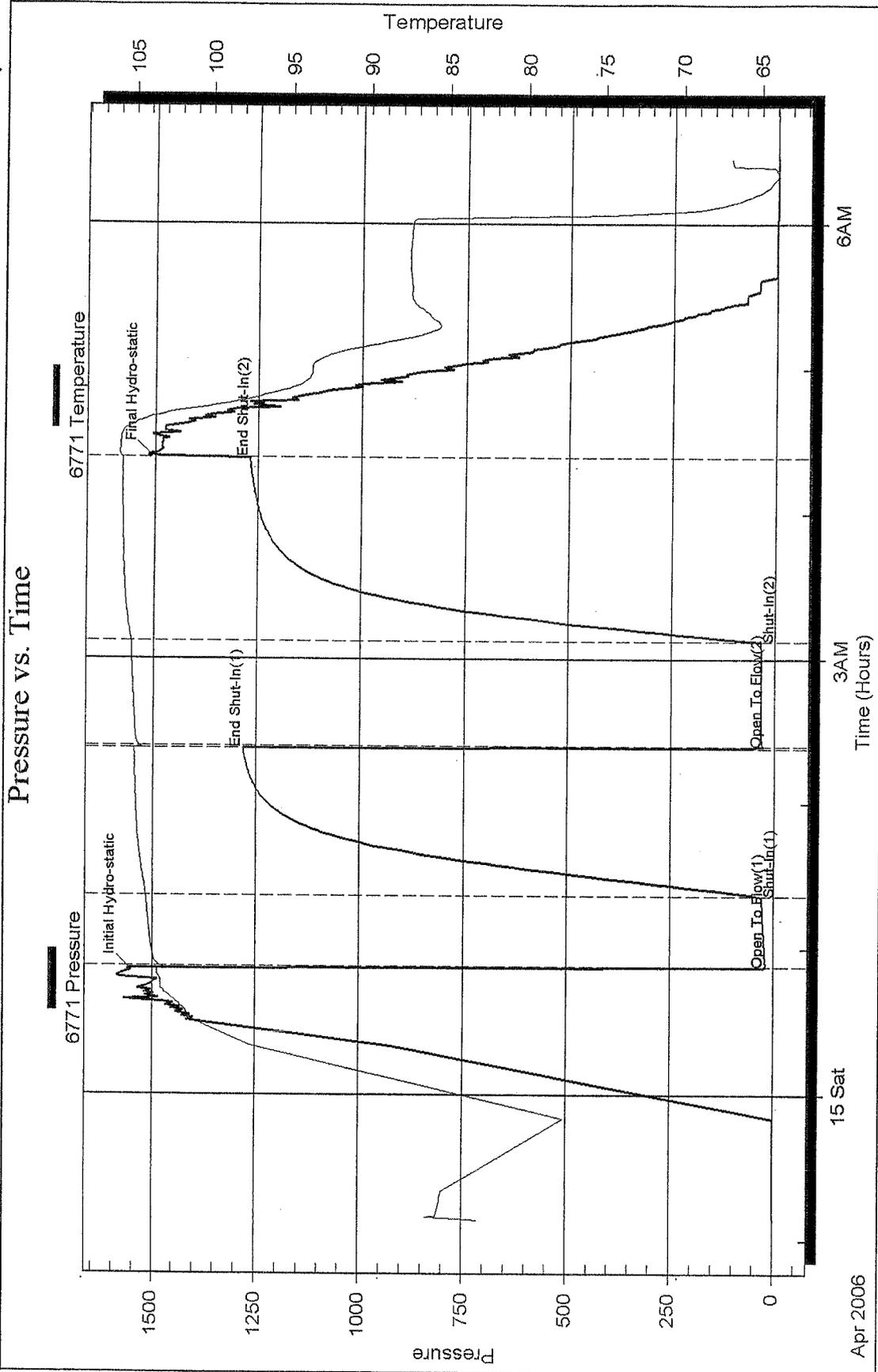
Gas Rates Information

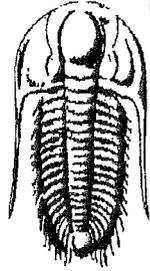
Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

| Flow Period | Elapsed Time | Choke (mm) | Pressure (kPaa) | Gas Rate (m ³ /d) |
|-------------|--------------|------------|-----------------|------------------------------|
| | | 0.00 | 0.00 | 0.00 |

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Raymond Oil Co.Inc.**

PO Box 48788
Wichita KS 67201

ATTN: Rocky Milford

7 31s 13w Barber KS

Brook A#1

Start Date: 2006.04.16 @ 01:30:56

End Date: 2006.04.16 @ 09:04:11

Job Ticket #: 24083 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Raymond Oil Co.Inc.

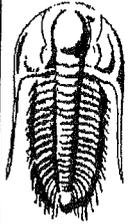
Brook A#1

7 31s 13w Barber KS

DST # 2

Lecompton

2006.04.16



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Raymond Oil Co. Inc.

Brook A#1

PO Box 48788
Wichita KS 67201

7 31s 13w Barber KS

Job Ticket: 24083

DST#: 2

ATTN: Rocky Milford

Test Start: 2006.04.16 @ 01:30:56

GENERAL INFORMATION:

Formation: **Lecompton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:30:41

Time Test Ended: 09:04:11

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 23

Interval: **3514.00 ft (KB) To 3550.00 ft (KB) (TVD)**

Total Depth: 3550.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1689.00 ft (KB)

1678.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6771

Inside

Press@RunDepth: 27.50 psig @ 3515.00 ft (KB)

Start Date: 2006.04.16

End Date: 2006.04.16

Capacity: 7000.00 psig

Start Time: 01:31:01

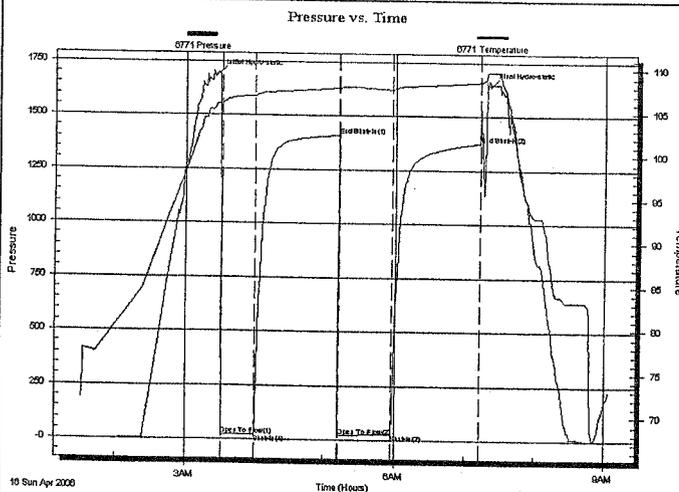
End Time: 09:04:10

Last Calib.: 2006.04.16

Time On Btm: 2006.04.16 @ 03:28:11

Time Off Btm: 2006.04.16 @ 07:22:11

TEST COMMENT: IF Strong blow BOB in 3 1/2"
ISI No blow
FF Strong blow GTS in 4" (see gas flow report)
FSI No blow



PRESSURE SUMMARY

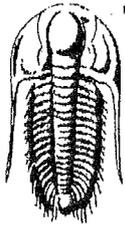
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1692.00 | 105.98 | Initial Hydro-static |
| 3 | 19.52 | 105.56 | Open To Flow (1) |
| 32 | 24.62 | 106.88 | Shut-In(1) |
| 104 | 1408.14 | 107.85 | End Shut-In(1) |
| 105 | 16.49 | 107.50 | Open To Flow (2) |
| 149 | 27.50 | 107.65 | Shut-In(2) |
| 225 | 1374.23 | 108.58 | End Shut-In(2) |
| 234 | 1642.30 | 109.72 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------|--------------|
| 40.00 | GCM 8%G 92%M | 0.56 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| | Choke (Inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|----------------|-----------------|------------------|
| First Gas Rate | 0.25 | 1.00 | 24.43 |
| Last Gas Rate | 0.25 | 3.00 | 27.60 |
| Max. Gas Rate | 0.25 | 3.00 | 27.60 |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raymond Oil Co. Inc.

Brook A#1

PO Box 48788
Wichita KS 67201

7 31s 13w Barber KS

Job Ticket: 24083

DST#: 2

ATTN: Rocky Milford

Test Start: 2006.04.16 @ 01:30:56

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3504.00 ft | Diameter: 3.80 inches | Volume: 49.15 bbl | Tool Weight: 2100.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight to Pull Loose: 90000.00 lb |
| | | | <u>Total Volume: 49.15 bbl</u> | Tool Chased 8.00 ft |
| Drill Pipe Above KB: | 12.00 ft | | | String Weight: Initial 49000.00 lb |
| Depth to Top Packer: | 3514.00 ft | | | Final 50000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 36.00 ft | | | |
| Tool Length: | 58.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 3493.00 | |
| Shut In Tool | 5.00 | | | 3498.00 | |
| Hydraulic tool | 5.00 | | | 3503.00 | |
| Safety Joint | 2.00 | | | 3505.00 | |
| Packer | 4.00 | | | 3509.00 | 22.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3514.00 | |
| Stubb | 1.00 | | | 3515.00 | |
| Recorder | 0.00 | 6771 | Inside | 3515.00 | |
| Perforations | 30.00 | | | 3545.00 | |
| Recorder | 0.00 | 13222 | Outside | 3545.00 | |
| Bullnose | 5.00 | | | 3550.00 | 36.00 Bottom Packers & Anchor |

Total Tool Length: 58.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Co. Inc.

Brook A#1

PO Box 48788
Wichita KS 67201

7 31s 13w Barber KS

Job Ticket: 24083 **DST#: 2**

ATTN: Rocky Milford

Test Start: 2006.04.16 @ 01:30:56

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: 5000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume: bbl

Water Loss: 11.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure: psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

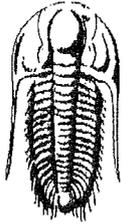
| Length ft | Description | Volume bbl |
|--------------|--------------|---------------|
| 40.00 | GCM 8%G 92%M | 0.561 |

Total Length: 40.00 ft Total Volume: 0.561 bbl

Num Fluid Samples: 0 Num Gas Bombs: 1 Serial #: gp-2

Laboratory Name: Caraway Laboratory Location: Liberal, KS

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Raymond Oil Co. Inc.

Brook A#1

PO Box 48788
Wichita KS 67201

7 31s 13w Barber KS

Job Ticket: 24083

DST#: 2

ATTN: Rocky Milford

Test Start: 2006.04.16 @ 01:30:56

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

| Flow Period | Elapsed Time | Choke (mm) | Pressure (kPaa) | Gas Rate (m ³ /d) |
|-------------|--------------|------------|-----------------|------------------------------|
| 2 | 10 | 0.25 | 1.00 | 24.43 |
| 2 | 10 | 0.25 | 1.00 | 24.43 |
| 2 | 20 | 0.25 | 2.50 | 26.81 |
| 2 | 30 | 0.25 | 3.00 | 27.60 |

Serial #: 6771

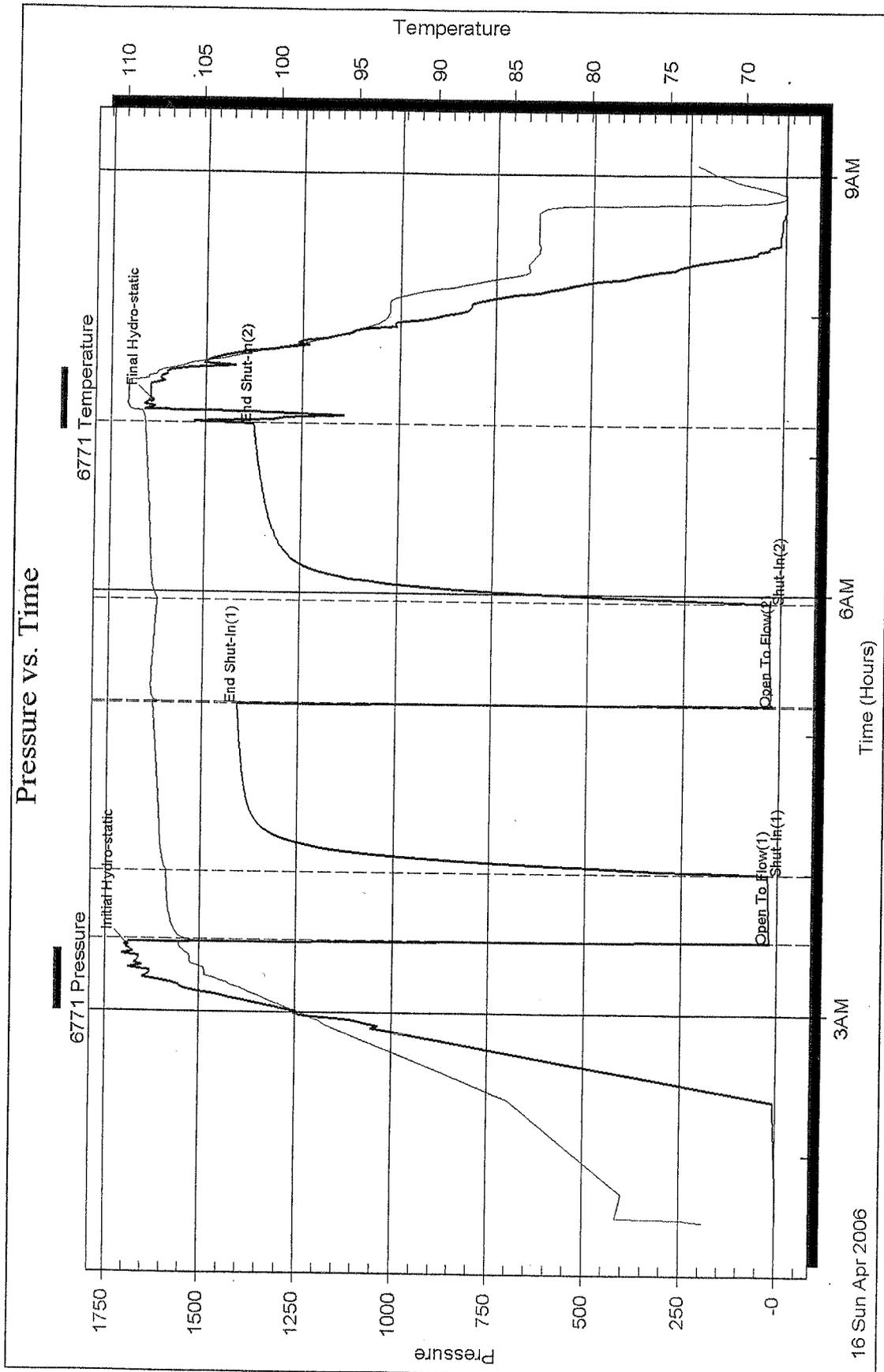
Inside

Raymond Oil Co. Inc.

7 31s 13w Barber KS

DST Test Number: 2

Pressure vs. Time



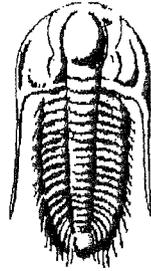
16 Sun Apr 2006

9AM

6AM

3AM

Time (Hours)



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Raymond Oil Co.Inc.**

PO Box 48788
Wichita KS 67201

ATTN: Rocky Milford

7 31s 13w Barber KS

Brook A#1

Start Date: 2006.04.17 @ 07:07:11

End Date: 2006.04.17 @ 15:00:26

Job Ticket #: 24084 DST #: 3

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

Raymond Oil Co.Inc.

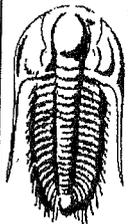
Brook A#1

7 31s 13w Barber KS

DST # 3

Lans 35'

2006.04.17



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Raymond Oil Co. Inc.

Brook A#1

PO Box 48788
Wichita KS 67201

7 31s 13w Barber KS

ATTN: Rocky Milford

Job Ticket: 24084

DST#: 3

Test Start: 2006.04.17 @ 07:07:11

GENERAL INFORMATION:

Formation: **Lans 35'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:08:41

Time Test Ended: 15:00:26

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 23

Interval: **3921.00 ft (KB) To 3940.00 ft (KB) (TVD)**

Total Depth: 3940.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1689.00 ft (KB)

1678.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6771

Inside

Press@RunDepth: 114.28 psig @ 3922.00 ft (KB)

Start Date: 2006.04.17

End Date: 2006.04.17

Start Time: 07:07:16

End Time: 15:00:25

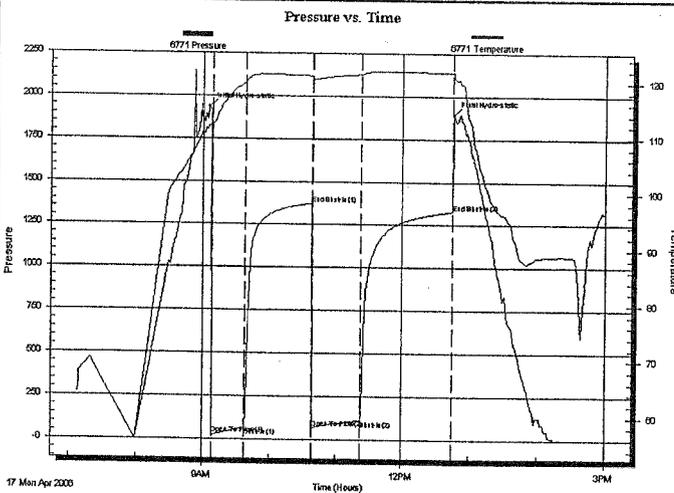
Capacity: 7000.00 psig

Last Calib.: 2006.04.17

Time On Btm: 2006.04.17 @ 09:05:26

Time Off Btm: 2006.04.17 @ 12:45:56

TEST COMMENT: IF Strong blow B.O.B. in 28 sec
ISI Weak blow 1/2 - 1"
FF Strong blow BOB in 1" GTS in 20" (see gas volume report)
FSI Weak blow 1/2 - 1 1/2"



PRESSURE SUMMARY

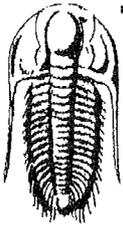
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1932.36 | 112.02 | Initial Hydro-static |
| 4 | 27.99 | 112.37 | Open To Flow (1) |
| 33 | 66.76 | 119.86 | Shut-In(1) |
| 93 | 1371.97 | 121.18 | End Shut-In(1) |
| 93 | 70.47 | 120.69 | Open To Flow(2) |
| 138 | 114.28 | 121.42 | Shut-In(2) |
| 219 | 1327.76 | 121.84 | End Shut-In(2) |
| 221 | 1891.92 | 121.01 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--|--------------|
| 65.00 | SW w/O specs Rw .06 OHMS @ 91 deg 0.91 | |
| 170.00 | GMC WO 45%G 10%M 15%W 30%O | 2.38 |
| | | |
| | | |
| | | |

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|----------------|-----------------|------------------|
| First Gas Rate | 0.25 | 1.00 | 24.43 |
| Last Gas Rate | 0.25 | 0.50 | 23.64 |
| Max. Gas Rate | 0.25 | 1.00 | 24.43 |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raymond Oil Co. Inc.

Brook A#1

PO Box 48788
Wichita KS 67201

7 31s 13w Barber KS

Job Ticket: 24084

DST#: 3

ATTN: Rocky Milford

Test Start: 2006.04.17 @ 07:07:11

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|-------------------|------------------------------------|
| Drill Pipe: | Length: 3913.00 ft | Diameter: 3.80 inches | Volume: 54.89 bbl | Tool Weight: 2100.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight to Pull Loose: 75000.00 lb |
| | | <u>Total Volume:</u> | <u>54.89 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 14.00 ft | | | String Weight: Initial 50000.00 lb |
| Depth to Top Packer: | 3921.00 ft | | | Final 51000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 19.00 ft | | | |
| Tool Length: | 41.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 3900.00 | |
| Shut In Tool | 5.00 | | | 3905.00 | |
| Hydraulic tool | 5.00 | | | 3910.00 | |
| Safety Joint | 2.00 | | | 3912.00 | |
| Packer | 4.00 | | | 3916.00 | 22.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3921.00 | |
| Stubb | 1.00 | | | 3922.00 | |
| Recorder | 0.00 | 6771 | Inside | 3922.00 | |
| Perforations | 13.00 | | | 3935.00 | |
| Recorder | 0.00 | 13222 | Outside | 3935.00 | |
| Bullnose | 5.00 | | | 3940.00 | 19.00 Bottom Packers & Anchor |

Total Tool Length: 41.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Co. Inc.

Brook A#1

PO Box 48788
Wichita KS 67201

7 31s 13w Barber KS

Job Ticket: 24084

DST#: 3

ATTN: Rocky Milford

Test Start: 2006.04.17 @ 07:07:11

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 46.00 sec/qt

Water Loss: 9.58 in³

Resistivity: 0.00 ohm.m

Salinity: 7000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbbl

psig

Oil API:

deg API

Water Salinity: 102000 ppm

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-----------------------------------|---------------|
| 65.00 | SW w/O specs Rw .06 OHMS @ 91 deg | 0.912 |
| 170.00 | GMC WO 45%G 10%M 15%W 30%O | 2.385 |

Total Length: 235.00 ft

Total Volume: 3.297 bbl

Num Fluid Samples: 0

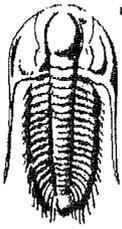
Num Gas Bombs: 1

Serial #: gp-3

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Raymond Oil Co.Inc.

Brook A#1

PO Box 48788
Wichita KS 67201

7 31s 13w Barber KS

Job Ticket: 24084

DST#: 3

ATTN: Rocky Milford

Test Start: 2006.04.17 @ 07:07:11

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

| Flow Period | Elapsed Time | Choke (mm) | Pressure (kPaa) | Gas Rate (m ³ /d) |
|-------------|--------------|------------|-----------------|------------------------------|
| 2 | 20 | 0.25 | 1.00 | 24.43 |
| 2 | 30 | 0.25 | 0.50 | 23.64 |
| 2 | 45 | 0.25 | 0.50 | 23.64 |

Serial #: 6771

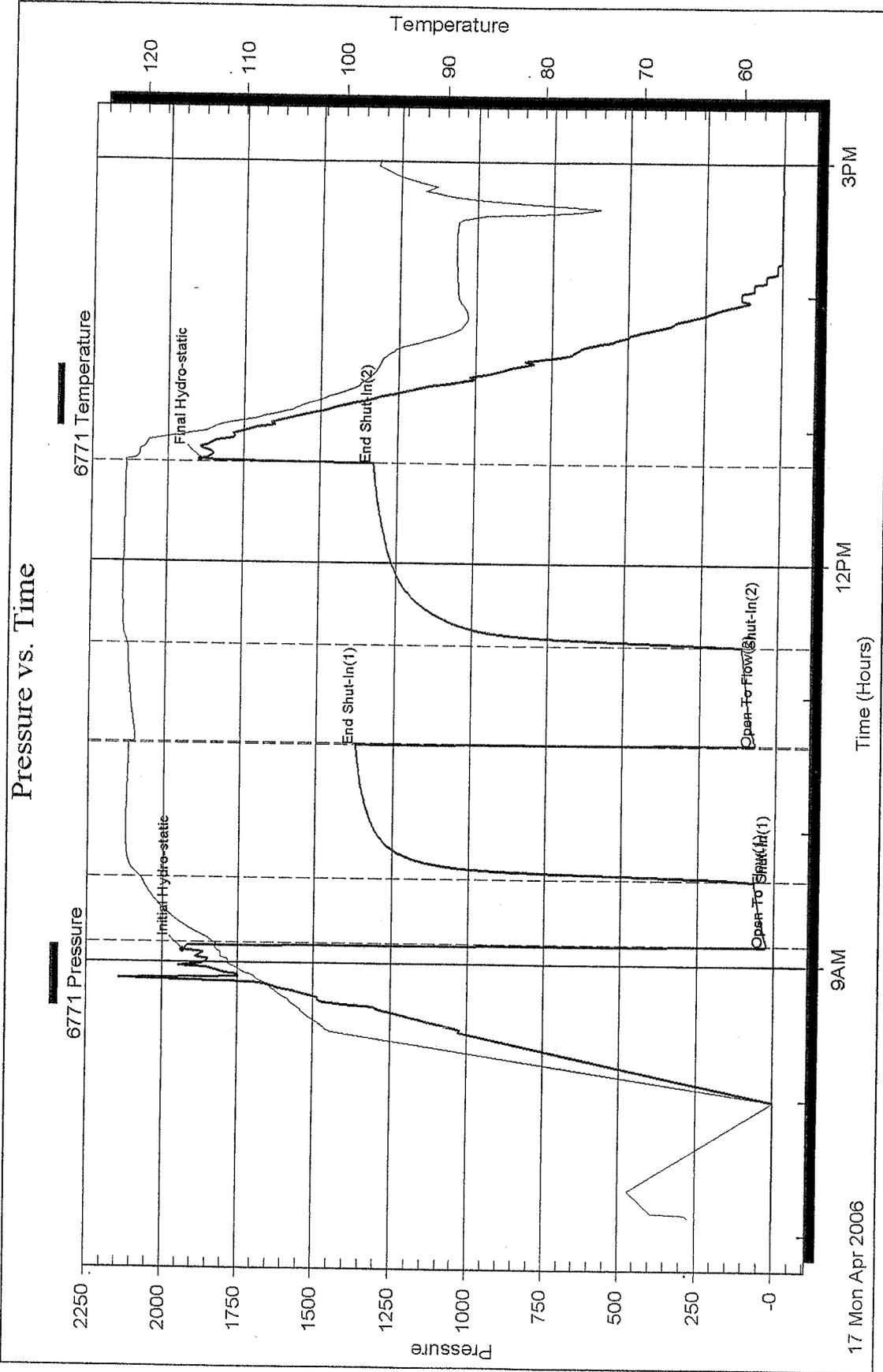
Inside

Raymond Oil Co. Inc.

7 31s 13w Barber KS

DST Test Number: 3

Pressure vs. Time



17 Mon Apr 2006

9AM

Open To Flow/Shut-In(1)

End Shut-In(1)

Open To Flow/Shut-In(2)

End Shut-In(2)

Final Hydro-static

6771 Temperature

6771 Pressure

120

110

100

90

80

70

60

3PM

12PM

Time (Hours)

9AM

Pressure

2250

2000

1750

1500

1250

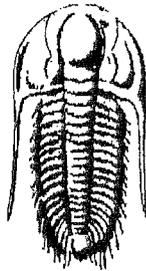
1000

750

500

250

-0



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Raymond Oil Co.Inc.**

PO Box 48788
Wichita KS 67201

ATTN: Rocky Milford

7 31s 13w Barber KS

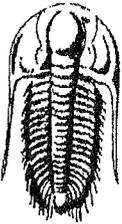
Brook A#1

Start Date: 2006.04.18 @ 06:00:39

End Date: 2006.04.18 @ 14:28:39

Job Ticket #: 24085 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

Raymond Oil Co. Inc.

Brook A#1

PO Box 48788
Wichita KS 67201

7 31s 13w Barber KS

Job Ticket: 24085 **DST#: 4**

ATTN: Rocky Milford

Test Start: 2006.04.18 @ 06:00:39

GENERAL INFORMATION:

Formation: **Lans 140'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:22:39

Time Test Ended: 14:28:39

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 23

Interval: **4095.00 ft (KB) To 4111.00 ft (KB) (TVD)**

Total Depth: 4111.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1689.00 ft (KB)

1678.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6771

Inside

Press@RunDepth: 319.74 psig @ 4096.00 ft (KB)

Start Date: 2006.04.18

End Date:

2006.04.18

Start Time: 06:00:44

End Time:

14:28:38

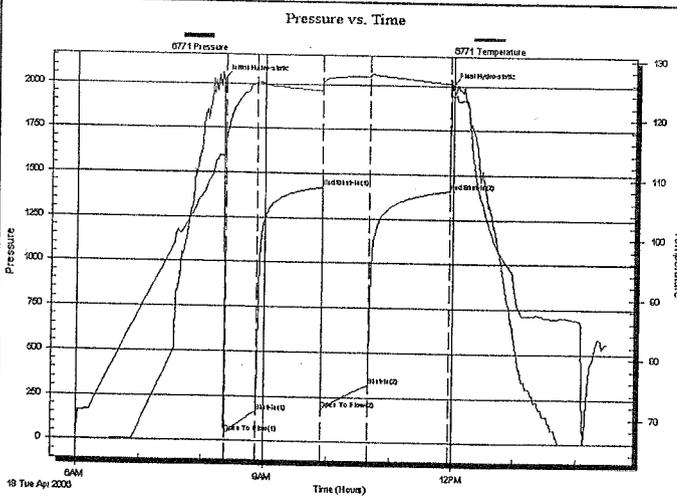
Capacity: 7000.00 psig

Last Calib.: 2006.04.18

Time On Btm: 2006.04.18 @ 08:20:09

Time Off Btm: 2006.04.18 @ 11:58:24

TEST COMMENT: IF Strong blow BOB in 40 sec
ISI Strong blow GTS in 30 sec BOB
FF Strong blow BOB in 3 1/2" (see gas flow report)
FSI Strong blow BOB



PRESSURE SUMMARY

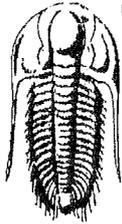
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2021.77 | 113.54 | Initial Hydro-static |
| 3 | 46.49 | 115.75 | Open To Flow (1) |
| 32 | 163.70 | 125.83 | Shut-In(1) |
| 95 | 1422.32 | 124.61 | End Shut-In(1) |
| 95 | 181.06 | 125.50 | Open To Flow (2) |
| 139 | 319.74 | 127.14 | Shut-In(2) |
| 217 | 1408.63 | 126.08 | End Shut-In(2) |
| 219 | 2000.18 | 124.12 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--|--------------|
| 504.00 | SW w/O specs Rw .06 OHMS @ 80 deg 7.07 | |
| 190.00 | GOC WM 35%G 15%O 20%W 30%M | 2.67 |
| | | |
| | | |
| | | |

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|----------------|-----------------|------------------|
| First Gas Rate | 0.25 | 0.50 | 23.64 |
| Last Gas Rate | 0.25 | 2.00 | 26.02 |
| Max. Gas Rate | 0.25 | 2.00 | 26.02 |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raymond Oil Co. Inc.

Brook A#1

PO Box 48788
Wichita KS 67201

7 31s 13w Barber KS

Job Ticket: 24085

DST#: 4

ATTN: Rocky Milford

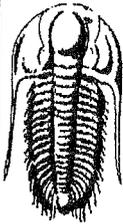
Test Start: 2006.04.18 @ 06:00:39

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4102.00 ft | Diameter: 3.80 inches | Volume: 57.54 bbl | Tool Weight: 2100.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 2.25 inches | Volume: 0.00 bbl | Weight to Pull Loose: 70000.00 lb |
| | | | <u>Total Volume: 57.54 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 29.00 ft | | | String Weight: Initial 53000.00 lb |
| Depth to Top Packer: | 4095.00 ft | | | Final 55000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 16.00 ft | | | |
| Tool Length: | 38.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|---------------------------|--------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 4074.00 | |
| Shut In Tool | 5.00 | | | 4079.00 | |
| Hydraulic tool | 5.00 | | | 4084.00 | |
| Safety Joint | 2.00 | | | 4086.00 | |
| Packer | 4.00 | | | 4090.00 | 22.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 4095.00 | |
| Stubb | 1.00 | | | 4096.00 | |
| Recorder | 0.00 | 6771 | Inside | 4096.00 | |
| Perforations | 10.00 | | | 4106.00 | |
| Recorder | 0.00 | 13222 | Outside | 4106.00 | |
| Bullnose | 5.00 | | | 4111.00 | 16.00 Bottom Packers & Anchor |
| Total Tool Length: | 38.00 | | | | |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Co. Inc.

Brook A#1

PO Box 48788
Wichita KS 67201

7 31s 13w Barber KS

Job Ticket: 24085 **DST#: 4**

ATTN: Rocky Milford

Test Start: 2006.04.18 @ 06:00:39

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 9.59 in³

Resistivity: 0.00 ohm.m

Salinity: 7000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: 126000 ppm

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-----------------------------------|---------------|
| 504.00 | SW w/O specs Rw .06 OHMS @ 80 deg | 7.070 |
| 190.00 | GOC WM 35%G 15%O 20%W 30%M | 2.665 |

Total Length: 694.00 ft Total Volume: 9.735 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: gp-3

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Raymond Oil Co. Inc.

Brook A#1

PO Box 48788
Wichita KS 67201

7 31s 13w Barber KS

Job Ticket: 24085

DST#: 4

ATTN: Rocky Milford

Test Start: 2006.04.18 @ 06:00:39

Gas Rates Information

Temperature: 59 deg C

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

| Flow Period | Elapsed Time | Choke (mm) | Pressure (kPaa) | Gas Rate (m ³ /d) |
|-------------|--------------|------------|-----------------|------------------------------|
| 2 | 20 | 0.25 | 0.50 | 23.64 |
| 2 | 30 | 0.25 | 1.00 | 24.43 |
| 2 | 40 | 0.25 | 2.00 | 26.02 |
| 2 | 45 | 0.25 | 2.00 | 26.02 |

Serial #: 6771

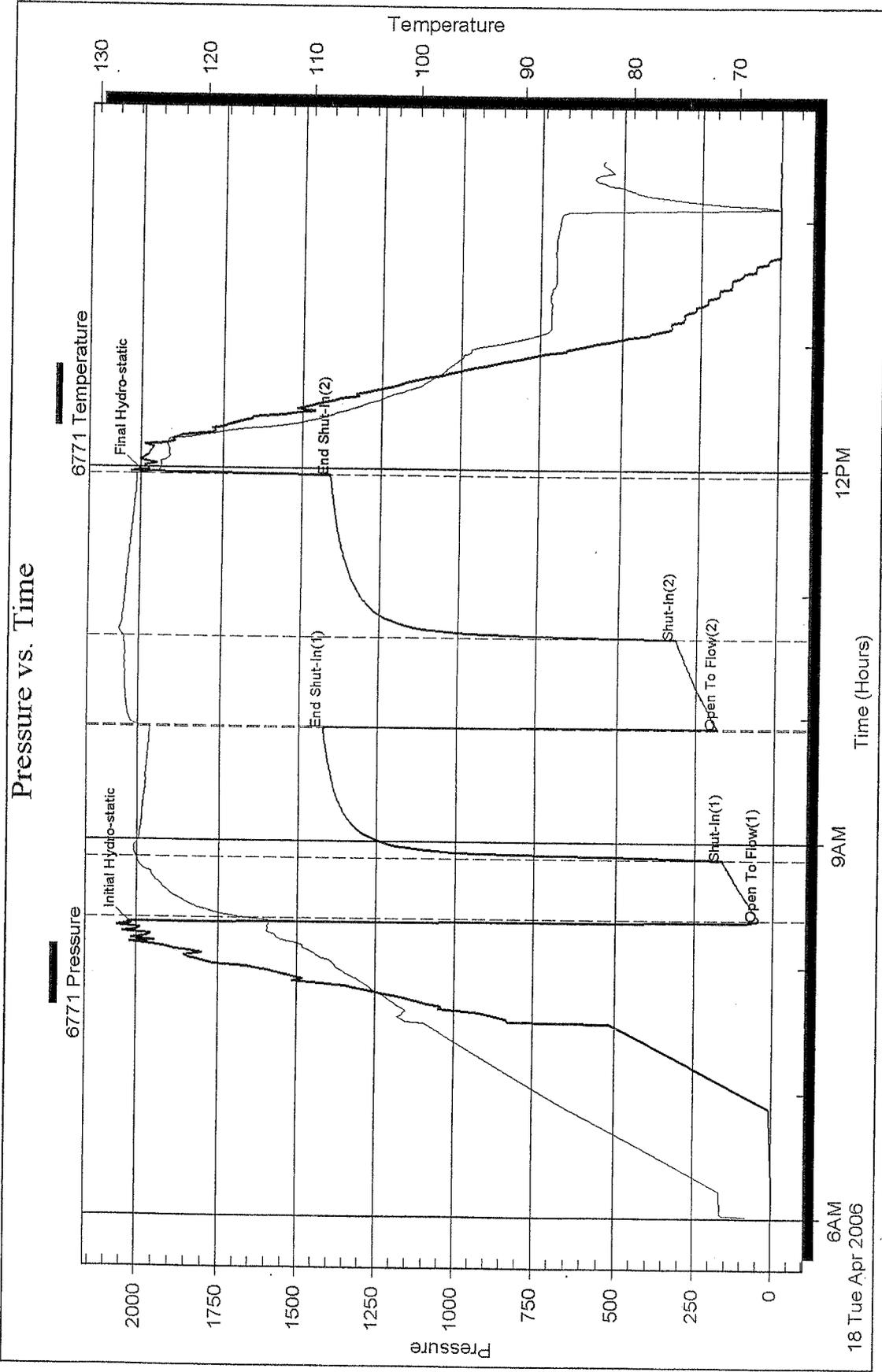
Inside

Raymond Oil Co. Inc.

7 31s 13w Barber KS

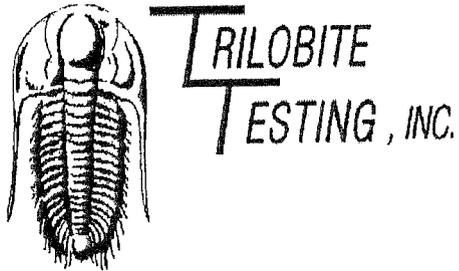
DST Test Number: 4

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 24085



DRILL STEM TEST REPORT

Prepared For: **Raymond Oil Co.Inc.**

PO Box 48788
Wichita KS 67201

ATTN: Rocky Milford

7 31s 13w Barber KS

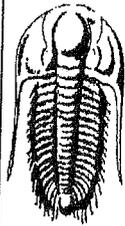
Brook A#1

Start Date: 2006.04.19 @ 15:23:57

End Date: 2006.04.19 @ 22:36:57

Job Ticket #: 24086 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

Raymond Oil Co. Inc.

Brook A#1

PO Box 48788
Wichita KS 67201

7 31s 13w Barber KS

ATTN: Rocky Milford

Job Ticket: 24086

DST#: 5

Test Start: 2006.04.19 @ 15:23:57

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:07:42

Time Test Ended: 22:36:57

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 23

Interval: **4363.00 ft (KB) To 4391.00 ft (KB) (TVD)**

Total Depth: 4391.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1689.00 ft (KB)

1678.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6771

Inside

Press@RunDepth: 309.45 psig @ 4364.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2006.04.19

End Date: 2006.04.19

Last Calib.: 2006.04.19

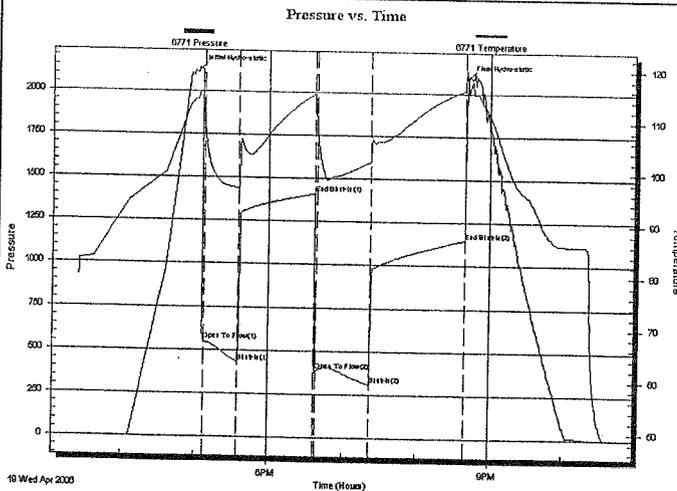
Start Time: 15:24:02

End Time: 22:36:56

Time On Btm: 2006.04.19 @ 17:03:42

Time Off Btm: 2006.04.19 @ 20:41:57

TEST COMMENT: IF Strong blow BOB immediately GTS in 100 secs.(see gas flow report)
 IS No blow
 FF Strong blow (see gas flow report)
 FSI Weak blow 1/2"



PRESSURE SUMMARY

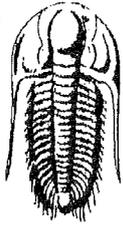
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2126.66 | 115.30 | Initial Hydro-static |
| 4 | 552.80 | 111.02 | Open To Flow (1) |
| 32 | 430.21 | 96.95 | Shut-In(1) |
| 94 | 1409.08 | 115.15 | End Shut-In(1) |
| 95 | 386.15 | 110.42 | Open To Flow (2) |
| 138 | 309.45 | 102.10 | Shut-In(2) |
| 216 | 1147.39 | 116.07 | End Shut-In(2) |
| 219 | 2085.13 | 115.79 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------|--------------|
| 15.00 | OCM 21%O 79%M | 0.21 |
| 5.00 | Clean Oil | 0.07 |
| | | |
| | | |
| | | |

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|----------------|-----------------|------------------|
| First Gas Rate | 1.00 | 97.00 | 3202.62 |
| Last Gas Rate | 1.00 | 58.00 | 2081.41 |
| Max. Gas Rate | 1.00 | 97.00 | 3202.62 |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raymond Oil Co.Inc.

Brook A#1

PO Box 48788
Wichita KS 67201

7 31s 13w Barber KS

Job Ticket: 24086 **DST#: 5**

ATTN: Rocky Milford

Test Start: 2006.04.19 @ 15:23:57

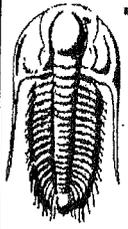
Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4356.00 ft | Diameter: 3.80 inches | Volume: 61.10 bbl | Tool Weight: 2100.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight to Pull Loose: 78000.00 lb |
| | | | <u>Total Volume: 61.10 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 15.00 ft | | | String Weight: Initial 54000.00 lb |
| Depth to Top Packer: | 4363.00 ft | | | Final 56000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 28.00 ft | | | |
| Tool Length: | 50.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|------------------------------------|
| Change Over Sub | 1.00 | | | 4342.00 | |
| Shut In Tool | 5.00 | | | 4347.00 | |
| Hydraulic tool | 5.00 | | | 4352.00 | |
| Safety Joint | 2.00 | | | 4354.00 | |
| Packer | 4.00 | | | 4358.00 | 22.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 4363.00 | |
| Stubb | 1.00 | | | 4364.00 | |
| Recorder | 0.00 | 6771 | Inside | 4364.00 | |
| Perforations | 22.00 | | | 4386.00 | |
| Recorder | 0.00 | 13222 | Outside | 4386.00 | |
| Bullnose | 5.00 | | | 4391.00 | 28.00 Bottom Packers & Anchor |

Total Tool Length: 50.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Co.Inc.

Brook A#1

PO Box 48788
Wichita KS 67201

.7 31s 13w Barber KS

Job Ticket: 24086

DST#: 5

ATTN: Rocky Milford

Test Start: 2006.04.19 @ 15:23:57

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: 49.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 11.99 in ³ | Gas Cushion Type: | | |
| Resistivity: 0.00 ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 7000.00 ppm | | | |
| Filter Cake: 0.20 inches | | | |

Recovery Information

Recovery Table

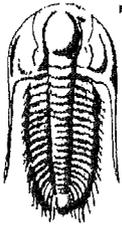
| Length ft | Description | Volume bbl |
|--------------|---------------|---------------|
| 15.00 | OCM 21%O 79%M | 0.210 |
| 5.00 | Clean Oil | 0.070 |

Total Length: 20.00 ft Total Volume: 0.280 bbl

Num Fluid Samples: 0 Num Gas Bombs: 1 Serial #: gp-5

Laboratory Name: Caraway Laboratory Location: Liberal, KS

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Raymond Oil Co. Inc.

Brook A#1

PO Box 48788
Wichita KS 67201

7 31s 13w Barber KS

Job Ticket: 24086

DST#: 5

ATTN: Rocky Milford

Test Start: 2006.04.19 @ 15:23:57

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

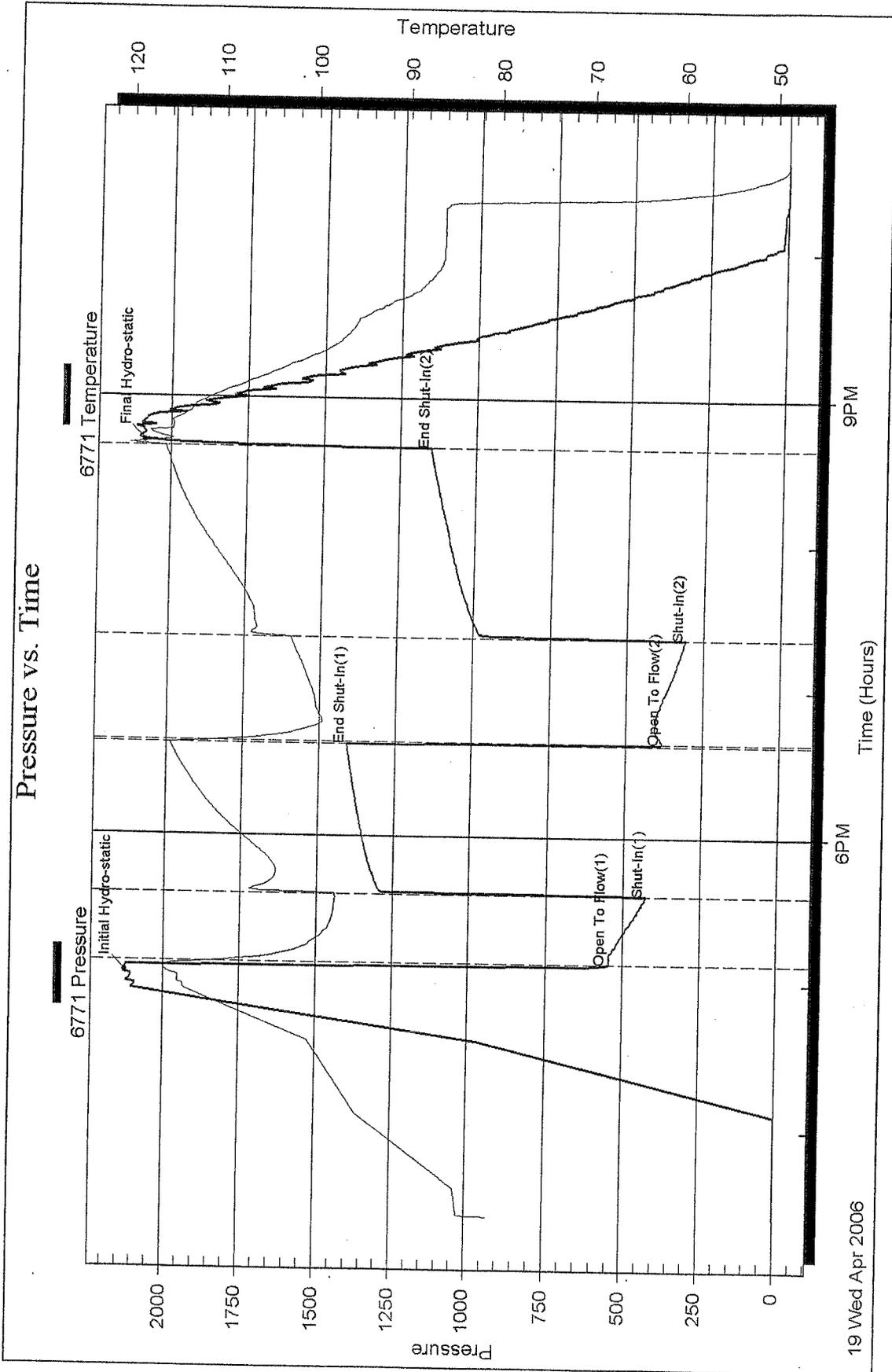
Gas Rates Table

| Flow Period | Elapsed Time | Choke (mm) | Pressure (kPaa) | Gas Rate (m ³ /d) |
|-------------|--------------|------------|-----------------|------------------------------|
| 1 | 10 | 1.00 | 97.00 | 3202.62 |
| 1 | 10 | 1.00 | 97.00 | 3202.62 |
| 1 | 20 | 1.00 | 92.00 | 3058.87 |
| 1 | 30 | 1.00 | 84.00 | 2828.88 |
| 2 | 10 | 1.00 | 77.00 | 2627.64 |
| 2 | 20 | 1.00 | 71.00 | 2455.15 |
| 2 | 30 | 1.00 | 63.00 | 2225.16 |
| 2 | 40 | 1.00 | 58.00 | 2081.41 |

234350

Serial #: 6771
Inside
Raymond Oil Co. Inc.
7 31s 13w Barber KS
DST Test Number: 5

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 24086

Printed: 2006.04.21 @ 10:54:33 Page 6