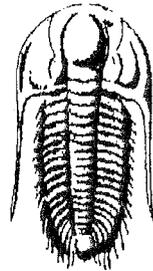


15-007-22951

6-32s-13w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Raymond Oil Company, Inc.**

P.O.Box 48788
Wichita, KS 67201

ATTN: Rocky Milford

06-32s-13w Barber-KS

Dugan Trust B #4

Start Date: 2006.01.10 @ 09:43:14

End Date: 2006.01.10 @ 17:21:29

Job Ticket #: 21949 DST #: 1

15-007-22951-00-00

C W2 SE

1320 FSL 1960 FEL

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Raymond Oil Company, Inc.

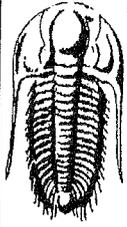
Dugan Trust B #4

6-33s-13w-Barber-KS

DST # 1

Lansing/Kansas City

2006.01.10



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Raymond Oil Company, Inc.

Dugan Trust B #4

P.O.Box 48788
Wichita, KS 67201

6-33s-13w-Barber-KS

Job Ticket: 21949

DST#: 1

ATTN: Rocky Milford

Test Start: 2006.01.10 @ 09:43:14

GENERAL INFORMATION:

Formation: **Lansing/Kansas City**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:17:44

Time Test Ended: 17:21:29

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 30

Interval: **3979.00 ft (KB) To 4000.00 ft (KB) (TVD)**

Total Depth: 4000.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1747.00 ft (KB)

1737.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: **6668**

Inside

Press@RunDepth: 18.37 psig @ 3980.00 ft (KB)

Start Date: 2006.01.10

End Date:

2006.01.10

Capacity: 7000.00 psig

Last Calib.: 2006.01.10

Start Time: 09:43:15

End Time:

17:21:29

Time On Btm: 2006.01.10 @ 12:16:59

Time Off Btm: 2006.01.10 @ 15:22:14

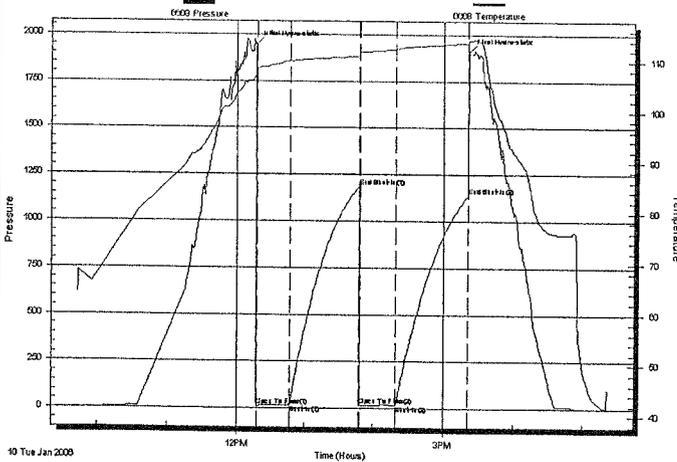
TEST COMMENT: IF: Fair to strong blow, BOB 3 minutes 45 seconds.

IS: Bled off, no blow back.

FF: Strong blow, BOB immediately, NO GTS.

FS: Bled off, no blow back.

Pressure vs. Time



PRESSURE SUMMARY

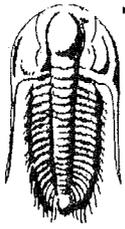
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1944.74 | 106.90 | Initial Hydro-static |
| 1 | 12.19 | 108.30 | Open To Flow (1) |
| 30 | 16.49 | 110.01 | Shut-In(1) |
| 91 | 1185.09 | 110.95 | End Shut-In(1) |
| 91 | 14.92 | 111.07 | Open To Flow (2) |
| 122 | 18.37 | 112.31 | Shut-In(2) |
| 185 | 1141.06 | 113.62 | End Shut-In(2) |
| 186 | 1908.51 | 114.17 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------------------|--------------|
| 20.00 | SLOSM 2%o 98% m | 0.28 |
| 0.00 | Approximately 1512' of GIP. | 0.00 |
| 0.00 | 0 | 0.00 |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raymond Oil Company, Inc.

Dugan Trust B #4

P.O.Box 48788
Wichita, KS 67201

6-33s-13w-Barber-KS

Job Ticket: 21949 DST#: 1

ATTN: Rocky Milford

Test Start: 2006.01.10 @ 09:43:14

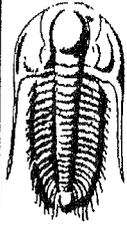
Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3980.00 ft | Diameter: 3.80 inches | Volume: 55.83 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: 50000.00 lb |
| | | | <u>Total Volume: 55.83 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 28.00 ft | | | String Weight: Initial 49000.00 lb |
| Depth to Top Packer: | 3979.00 ft | | | Final 49000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 21.00 ft | | | |
| Tool Length: | 48.00 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 | | | 3957.00 | |
| Hydraulic tool | 5.00 | | | 3962.00 | |
| Jars | 5.00 | | | 3967.00 | |
| Safety Joint | 2.00 | | | 3969.00 | |
| Packer | 5.00 | | | 3974.00 | 27.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3979.00 | |
| Stubb | 1.00 | | | 3980.00 | |
| Recorder | 0.00 | 6668 | Inside | 3980.00 | |
| Perforations | 17.00 | | | 3997.00 | |
| Recorder | 0.00 | 13266 | Outside | 3997.00 | |
| Bullnose | 3.00 | | | 4000.00 | 21.00 Bottom Packers & Anchor |

Total Tool Length: 48.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Company, Inc.

Dugan Trust B #4

P.O.Box 48788
Wichita, KS 67201

6-33s-13w-Barber-KS

Job Ticket: 21949

DST#: 1

ATTN: Rocky Milford

Test Start: 2006.01.10 @ 09:43:14

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: 54.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 8.79 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 3000.00 ppm | | | |
| Filter Cake: 0.04 inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-----------------------------|---------------|
| 20.00 | SLOSM 2%o 98%r | 0.281 |
| 0.00 | Approximately 1512' of GIP. | 0.000 |
| 0.00 | 0 | 0.000 |

Total Length: 20.00 ft Total Volume: 0.281 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

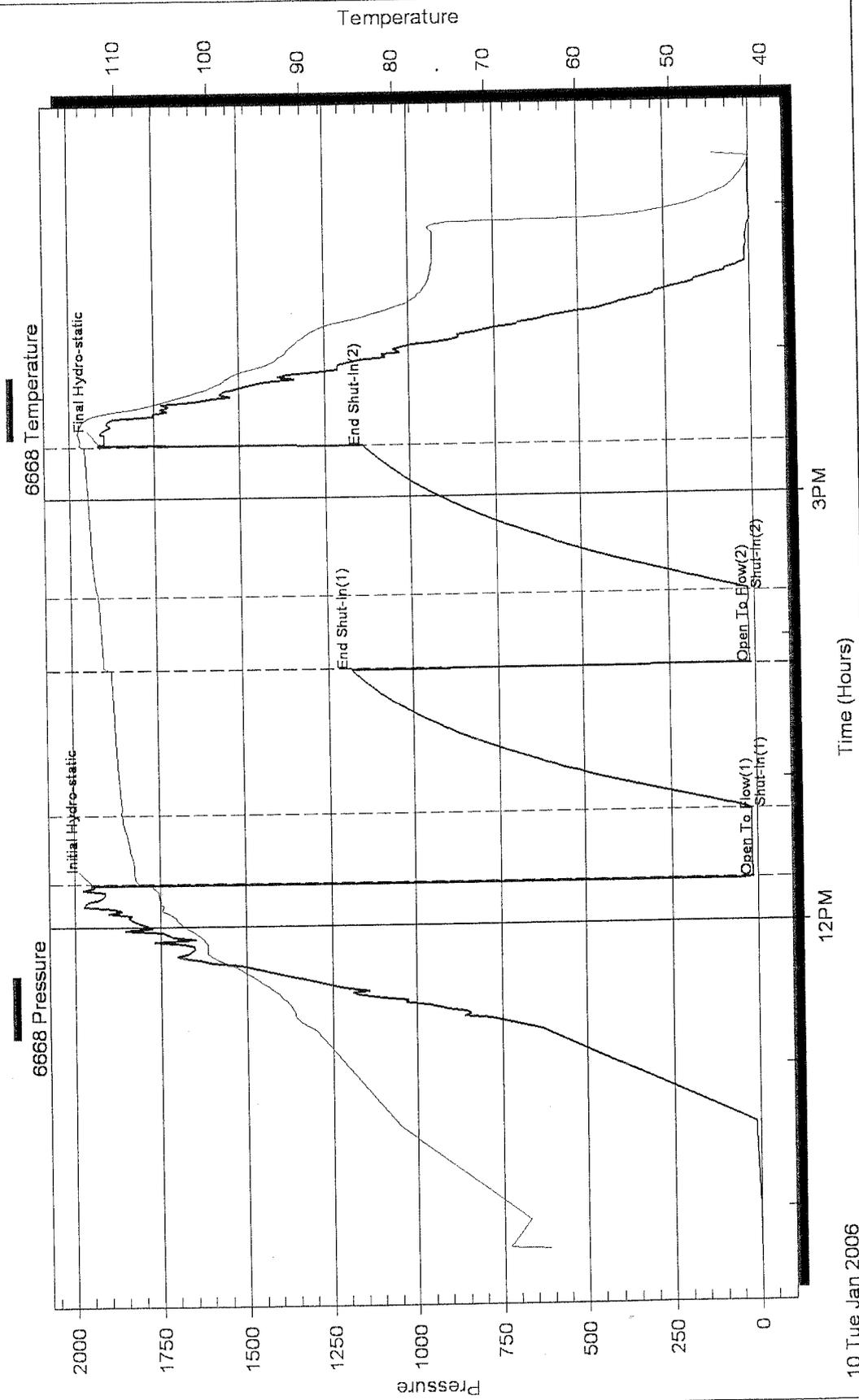
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

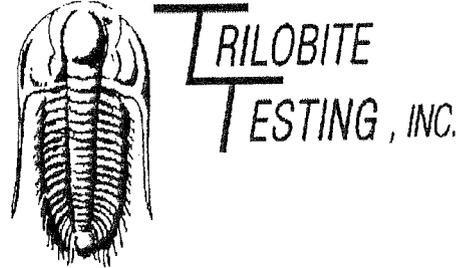


10 Tue Jan 2006

3PM

12PM

Time (Hours)



DRILL STEM TEST REPORT

Prepared For: **Raymond Oil Company, Inc.**

P.O.Box 48788
Wichita, KS 67201

ATTN: Rocky Milford

6-33s-13w-Barber-KS

Dugan Trust B #4

Start Date: 2006.01.11 @ 13:28:53

End Date: 2006.01.11 @ 21:01:23

Job Ticket #: 21950 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Raymond Oil Company, Inc.

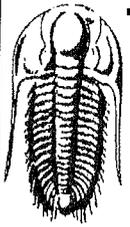
Dugan Trust B #4

6-33s-13w-Barber-KS

DST # 2

Lansing/Kansas City

2006.01.11



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Raymond Oil Company, Inc.
 P.O.Box 48788
 Wichita, KS 67201
 ATTN: Rocky Milford

Dugan Trust B #4
6-33s-13w-Barber-KS
 Job Ticket: 21950 **DST#: 2**
 Test Start: 2006.01.11 @ 13:28:53

GENERAL INFORMATION:

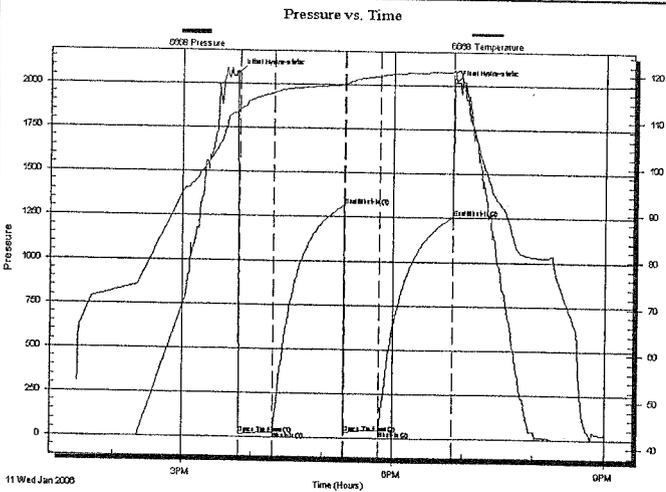
Formation: **Lansing/Kansas City**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:49:38
 Time Test Ended: 21:01:23
 Test Type: Conventional Bottom Hole
 Tester: Jake Fahrenbruch
 Unit No: 30
 Interval: **4229.00 ft (KB) To 4244.00 ft (KB) (TVD)**
 Total Depth: 4244.00 ft (KB) (TVD)
 Reference Elevations: 1747.00 ft (KB)
 1737.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good
 KB to GR/CF: 10.00 ft

Serial #: 6668

Inside

Press@RunDepth: 47.01 psig @ 4230.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2006.01.11 End Date: 2006.01.11 Last Calib.: 2006.01.11
 Start Time: 13:28:54 End Time: 21:01:23 Time On Btm: 2006.01.11 @ 15:47:38
 Time Off Btm: 2006.01.11 @ 18:52:08

TEST COMMENT: IF: Strong blow , BOB 25 seconds.
 IS: Bled off, no blow back.
 FF: Strong blow , BOB 10 seconds.
 FS: Bled off, no blow back.



PRESSURE SUMMARY

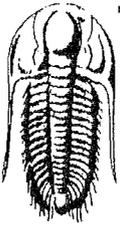
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2059.81 | 111.46 | Initial Hydro-static |
| 2 | 16.22 | 112.47 | Open To Flow (1) |
| 31 | 31.63 | 115.97 | Shut-In(1) |
| 90 | 1313.21 | 117.79 | End Shut-In(1) |
| 91 | 30.36 | 117.61 | Open To Flow (2) |
| 121 | 47.01 | 119.77 | Shut-In(2) |
| 184 | 1254.38 | 120.84 | End Shut-In(2) |
| 185 | 2011.18 | 121.06 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|------------------------------|--------------|
| 20.00 | GCOSMW 25%g 5%o 20%m 50%w | 0.28 |
| 60.00 | GCOSMW 35%g 5%o 20%m 40%w | 0.84 |
| 0.00 | 2709' GIP | 0.00 |
| 0.00 | RW=.27ohm@45degF=42000ppmCHL | 0.00 |
| 0.00 | 0 | 0.00 |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raymond Oil Company, Inc.

Dugan Trust B #4

P.O.Box 48788
Wichita, KS 67201

6-33s-13w-Barber-KS

Job Ticket: 21950

DST#: 2

ATTN: Rocky Milford

Test Start: 2006.01.11 @ 13:28:53

Tool Information

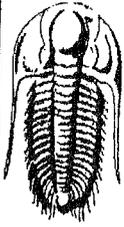
| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4233.00 ft | Diameter: 3.80 inches | Volume: 59.38 bbl | Tool Weight: 2100.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | 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: 60000.00 lb |
| | | | <u>Total Volume: 59.38 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 31.00 ft | | | String Weight: Initial 48000.00 lb |
| Depth to Top Packer: | 4229.00 ft | | | Final 49000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 15.00 ft | | | |
| Tool Length: | 42.00 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 | | | 4207.00 | |
| Hydraulic tool | 5.00 | | | 4212.00 | |
| Jars | 5.00 | | | 4217.00 | |
| Safety Joint | 2.00 | | | 4219.00 | |
| Packer | 5.00 | | | 4224.00 | 27.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 4229.00 | |
| Stubb | 1.00 | | | 4230.00 | |
| Recorder | 0.00 | 6668 | Inside | 4230.00 | |
| Perforations | 11.00 | | | 4241.00 | |
| Recorder | 0.00 | 13266 | Outside | 4241.00 | |
| Bullnose | 3.00 | | | 4244.00 | 15.00 Bottom Packers & Anchor |

Total Tool Length: 42.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Company, Inc.

Dugan Trust B #4

P.O.Box 48788
Wichita, KS 67201

6-33s-13w-Barber-KS

Job Ticket: 21950

DST#: 2

ATTN: Rocky Milford

Test Start: 2006.01.11 @ 13:28:53

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 9.09 in³

Resistivity: ohm.m

Salinity: 3000.00 ppm

Filter Cake: 0.04 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

deg API

ppm

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------------------------|---------------|
| 20.00 | GCOSWM 25%g 5%o 20%w 50%m | 0.281 |
| 60.00 | GCOSMW 35%g 5%o 20%m 40%w | 0.842 |
| 0.00 | 2709' GIP | 0.000 |
| 0.00 | RW= .27ohm@45degF=42000ppmCHL | 0.000 |
| 0.00 | 0 | 0.000 |

Total Length: 80.00 ft

Total Volume: 1.123 bbl

Num Fluid Samples: 0

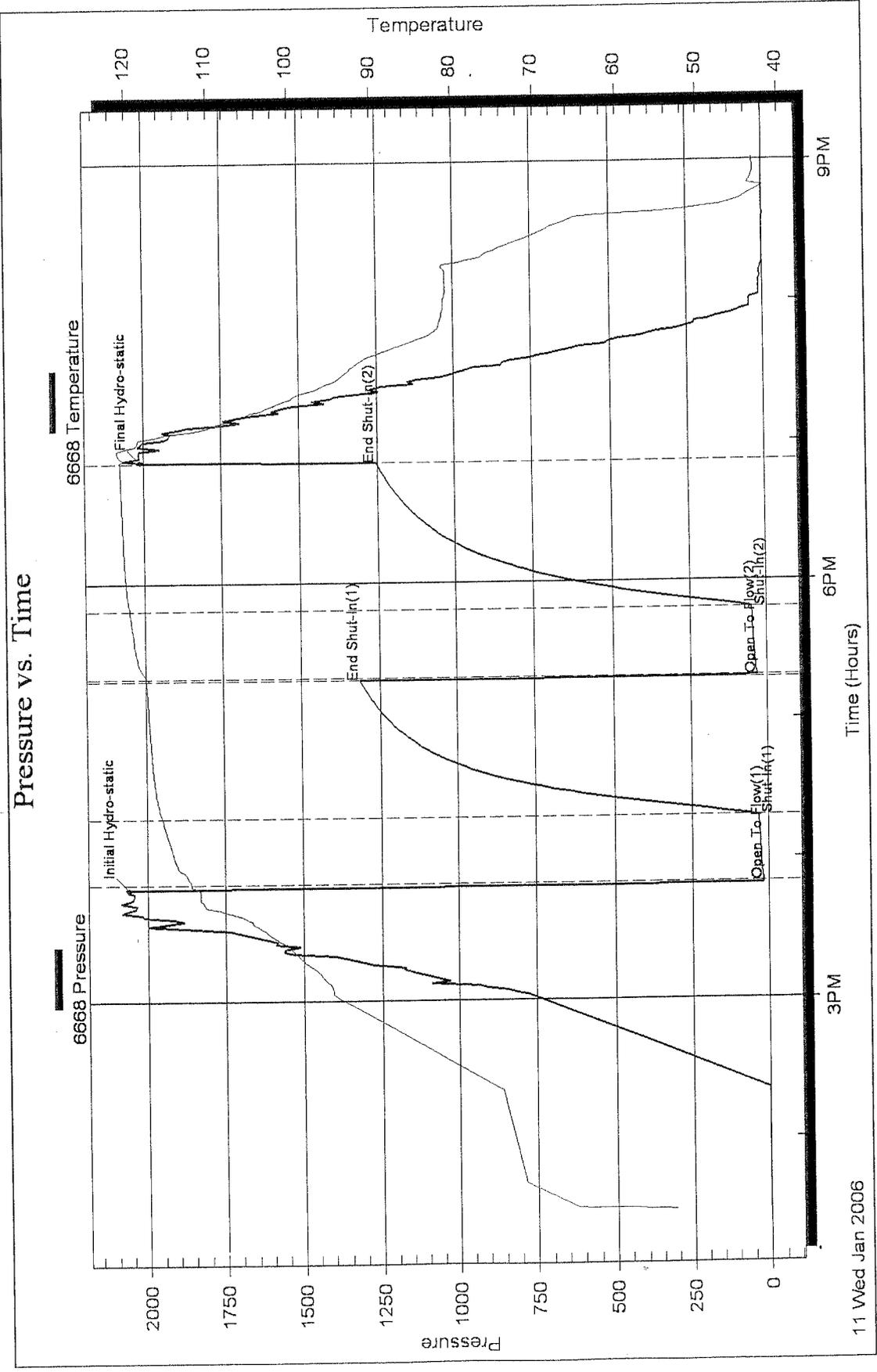
Num Gas Bombs: 0

Serial #:

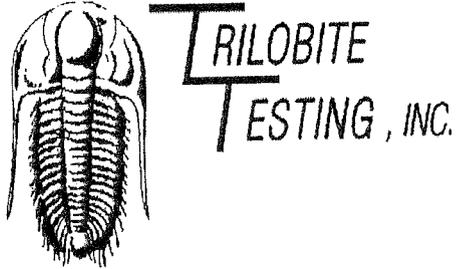
Laboratory Name:

Laboratory Location:

Recovery Comments:



11 Wed Jan 2006



DRILL STEM TEST REPORT

Prepared For: **Raymond Oil Company, Inc.**

P.O.Box 48788
Wichita, KS 67201

ATTN: Rocky Milford

6-33s-13w-Barber-KS

Dugan Trust B #4

Start Date: 2006.01.12 @ 16:12:19

End Date: 2006.01.12 @ 23:51:19

Job Ticket #: 10843 DST #: 3

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

Raymond Oil Company, Inc.

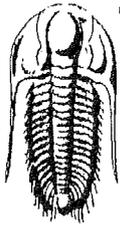
Dugan Trust B #4

6-33s-13w-Barber-KS

DST # 3

Mississippi

2006.01.12



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Raymond Oil Company, Inc.

Dugan Trust B #4

P.O.Box 48788
Wichita, KS 67201

6-33s-13w-Barber-KS

Job Ticket: 10843

DST#: 3

ATTN: Rocky Milford

Test Start: 2006.01.12 @ 16:12:19

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4426.00 ft | Diameter: 3.80 inches | Volume: 62.09 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: 57000.00 lb |
| | | | <u>Total Volume: 62.09 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 34.00 ft | | | String Weight: Initial 51000.00 lb |
| Depth to Top Packer: | 4419.00 ft | | | Final 52000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 29.00 ft | | | |
| Tool Length: | 56.00 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 | | | 4397.00 | |
| Hydraulic tool | 5.00 | | | 4402.00 | |
| Jars | 5.00 | | | 4407.00 | |
| Safety Joint | 2.00 | | | 4409.00 | |
| Packer | 5.00 | | | 4414.00 | 27.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 4419.00 | |
| Stubb | 1.00 | | | 4420.00 | |
| Recorder | 0.00 | 6668 | Inside | 4420.00 | |
| Perforations | 25.00 | | | 4445.00 | |
| Recorder | 0.00 | 13266 | Outside | 4445.00 | |
| Bullnose | 3.00 | | | 4448.00 | 29.00 Bottom Packers & Anchor |

Total Tool Length: 56.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Company, Inc.

Dugan Trust B #4

P.O.Box 48788
Wichita, KS 67201

6-33s-13w-Barber-KS

Job Ticket: 10843

DST#: 3

ATTN: Rocky Milford

Test Start: 2006.01.12 @ 16:12:19

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: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 0.04 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|-------------|----------------|
| | | |

Total Length:

ft

Total Volume:

bbbl

Num Fluid Samples: 1

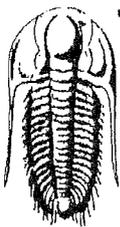
Num Gas Bombs: 0

Serial #:

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Raymond Oil Company, Inc.

Dugan Trust B #4

P.O.Box 48788
Wichita, KS 67201

6-33s-13w-Barber-KS

Job Ticket: 10843 DST#: 3

ATTN: Rocky Milford

Test Start: 2006.01.12 @ 16:12:19

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 | 0.13 | 1.00 | 5.76 |
| 2 | 20 | 0.13 | 1.50 | 5.95 |
| 2 | 30 | 0.13 | 1.50 | 5.95 |
| 2 | 40 | 0.13 | 1.50 | 5.95 |
| 2 | 45 | 0.13 | 1.50 | 5.95 |
| 0 | - | -999999.00 | -999999.00 | -999999.00 |

234421

DST Test Number: 3

6-33s-13w-Barber-KS

Raymond Oil Company, Inc.

Inside

Serial #: 6668

Pressure vs. Time

