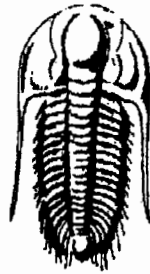


15-053-21182

36-17s-10w



**TRILOBITE
TESTING, INC.**

KCC
NOV 09 2006
CONFIDENTIAL

DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr & Associates**

1670 Broadway Ste 3300
Denver CO 80202

ATTN: Tom Fertal

36 17 10 Ellsworth K

Young-Schroeder Trust # 1-36

Start Date: 2006.07.18 @ 21:41:17

End Date: 2006.07.19 @ 03:55:17

Job Ticket #: 25234 DST #: 1

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

Samuel Gary Jr & Associates

Young-Schroeder Trust # 1-36

36 17 10 Ellsworth K

DST # 1

L.Kc.- C

2006.07.18



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr & Associates

Young-Schroeder Trust # 1-36

1670 Broadway Ste 3300
Denver CO 80202

36 17 10 Ellsworth K

Job Ticket: 25234

DST#: 1

ATTN: Tom Fertal

Test Start: 2006.07.18 @ 21:41:17

GENERAL INFORMATION:

Formation: L.Kc.- C

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:39:17

Time Test Ended: 03:55:17

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 31

Interval: 2903.00 ft (KB) To 2921.00 ft (KB) (TVD)

Total Depth: 2921.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1768.00 ft (KB)

1760.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8167

Inside

Press@RunDepth: 18.20 psig @ 2904.01 ft (KB)

Start Date: 2006.07.18

End Date: 2006.07.19

Start Time: 21:41:18

End Time: 03:55:17

Capacity: 7000.00 psig

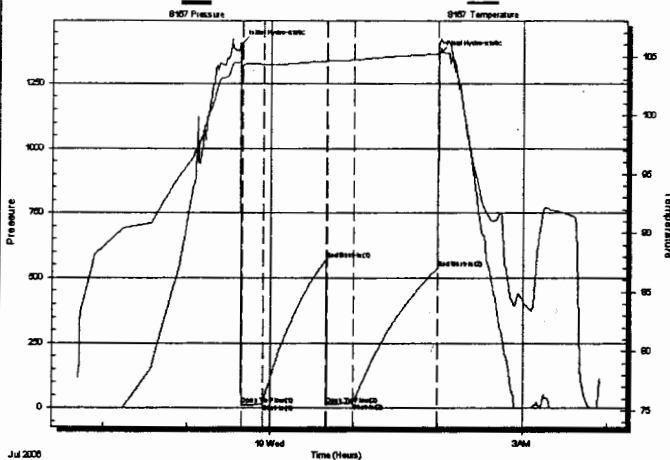
Last Calib.: 2006.07.19

Time On Btm: 2006.07.18 @ 23:38:17

Time Off Btm: 2006.07.19 @ 01:59:47

TEST COMMENT: IF Strong BOB1 min
ISI Dead
FF Strong BOB 15 Sec
FSI Dead

Pressure vs. Time



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1402.91 | 104.60 | Initial Hydro-static |
| 1 | 12.53 | 104.18 | Open To Flow (1) |
| 16 | 14.30 | 104.32 | Shut-in(1) |
| 61 | 571.12 | 104.60 | End Shut-in(1) |
| 62 | 11.30 | 104.57 | Open To Flow (2) |
| 81 | 18.20 | 104.70 | Shut-in(2) |
| 141 | 536.78 | 105.25 | End Shut-in(2) |
| 142 | 1362.56 | 106.10 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 20.00 | D.Mud | 0.14 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRIOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr & Associates

Young-Schroeder Trust # 1-36

1670 Broadway Ste 3300
Denver CO 80202

36 17 10 Ellsworth K

Job Ticket: 25234

DST#: 1

ATTN: Tom Fertal

Test Start: 2006.07.18 @ 21:41:17

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|-------------------|------------------------------------|
| Drill Pipe: | Length: 2621.00 ft | Diameter: 3.30 inches | Volume: 27.73 bbl | Tool Weight: 2500.00 lb |
| Heavy Wt. Pipe: | Length: 185.00 ft | Diameter: 2.70 inches | Volume: 1.31 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 90.00 ft | Diameter: 2.25 inches | Volume: 0.44 bbl | Weight to Pull Loose: 50000.00 lb |
| | | Total Volume: | 29.48 bbl | Tool Chased: 0.00 ft |
| Drill Pipe Above KB: | 22.00 ft | | | String Weight: Initial 42000.00 lb |
| Depth to Top Packer: | 2903.00 ft | | | Final 42000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 18.02 ft | | | |
| Tool Length: | 47.02 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 2875.00 | |
| Shut In Tool | 5.00 | | | 2880.00 | |
| Hydraulic tool | 5.00 | | | 2885.00 | |
| Jars | 5.00 | | | 2890.00 | |
| Safety Joint | 3.00 | | | 2893.00 | |
| Packer | 5.00 | | | 2898.00 | 29.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 2903.00 | |
| Stubb | 1.00 | | | 2904.00 | |
| Recorder | 0.01 | 8167 | Inside | 2904.01 | |
| Perforations | 14.00 | | | 2918.01 | |
| Recorder | 0.01 | 13534 | Outside | 2918.02 | |
| Bullnose | 3.00 | | | 2921.02 | 18.02 Bottom Packers & Anchor |

Total Tool Length: 47.02



**TRIOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr & Associates

Young-Schroeder Trust # 1-36

1670 Broadway Ste 3300
Denver CO 80202

36 17 10 Ellsworth K

Job Ticket: 25234 **DST#: 1**

ATTN: Tom Fertal

Test Start: 2006.07.18 @ 21:41:17

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: 43.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 9.14 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: ppm | | | |
| Filter Cake: inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 20.00 | D.Mud | 0.142 |

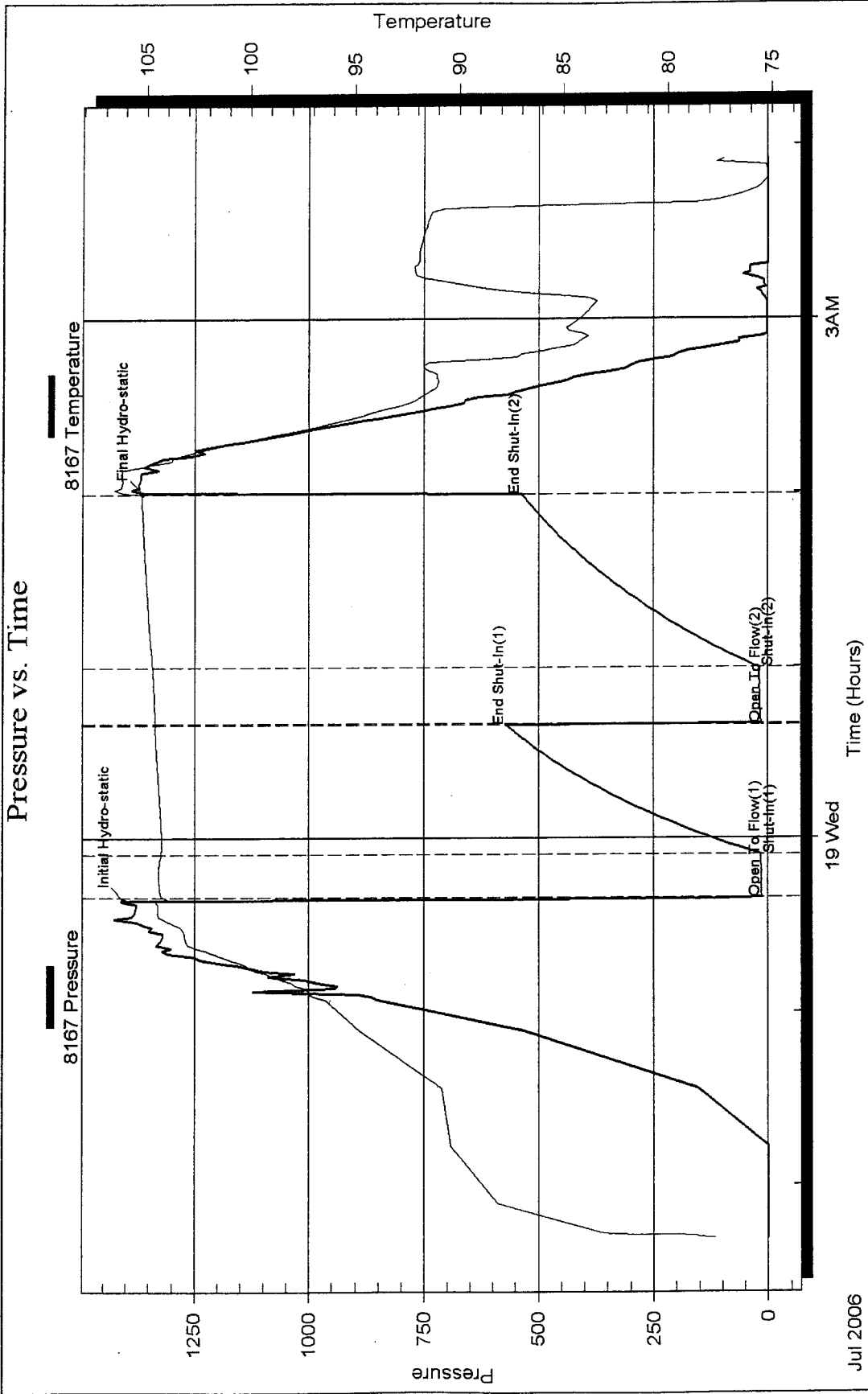
Total Length: 20.00 ft Total Volume: 0.142 bbl

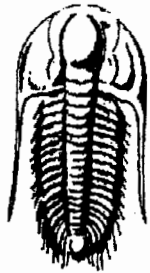
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr & Associates**

1670 Broadway Ste 3300
Denver CO 80202

ATTN: Tom Fertal

36 17 10 Ellsworth K

Young-Schroeder Trust # 1-36

Start Date: 2006.07.19 @ 21:09:51

End Date: 2006.07.20 @ 05:05:21

Job Ticket #: 25235 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Samuel Gary Jr & Associates

Young-Schroeder Trust # 1-36

36 17 10 Ellsworth K

DST # 2

L.K.C.-J

2006.07.19



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr & Associates

Young-Schroeder Trust # 1-36

1670 Broadway Ste 3300
Denver CO 80202

36 17 10 Ellsworth K

Job Ticket: 25235

DST#: 2

ATTN: Tom Fertal

Test Start: 2006.07.19 @ 21:09:51

GENERAL INFORMATION:

Formation: L.Kc.- J

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:04:51

Time Test Ended: 05:05:21

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 31

Interval: 3072.00 ft (KB) To 3096.00 ft (KB) (TVD)

Reference Elevations: 1768.00 ft (KB)

Total Depth: 3072.00 ft (KB) (TVD)

1760.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8167

Inside

Press@RunDepth: 59.72 psig @ 3074.01 ft (KB)

Capacity: 7000.00 psig

Start Date: 2006.07.19

End Date:

2006.07.20

Last Calib.: 2006.07.20

Start Time: 21:09:52

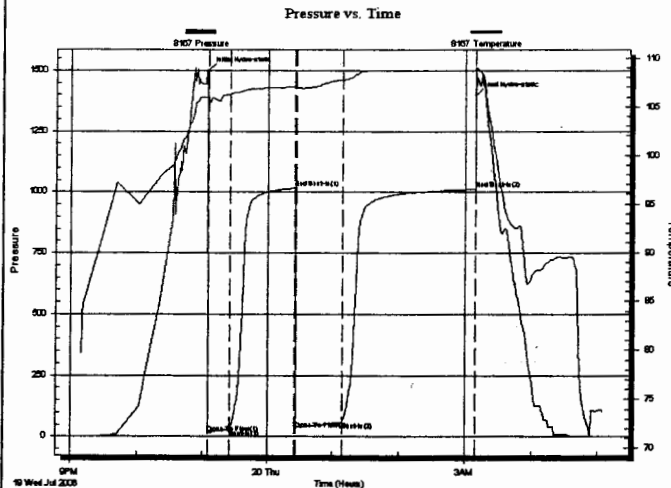
End Time:

05:05:21

Time On Btm: 2006.07.19 @ 23:04:21

Time Off Btm: 2006.07.20 @ 03:09:21

TEST COMMENT: IF Weak to good built to 6" in
ISI Dead
FF Strong BOB in 3 min
FSI Dead



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1498.92 | 105.96 | Initial Hydro-static |
| 1 | 15.21 | 105.57 | Open To Flow (1) |
| 21 | 29.90 | 106.23 | Shut-in(1) |
| 81 | 1016.84 | 107.04 | End Shut-in(1) |
| 82 | 29.92 | 106.91 | Open To Flow (2) |
| 125 | 59.72 | 107.73 | Shut-in(2) |
| 245 | 1013.06 | 108.74 | End Shut-in(2) |
| 245 | 1398.31 | 109.01 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------------|--------------|
| 100.00 | GOCM 25%G 25%O 50%M | 0.71 |
| 0.00 | 690' GIP | 0.00 |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr & Associates

Young-Schroeder Trust # 1-36

1670 Broadway Ste 3300
Denver CO 80202

36 17 10 Ellsworth K

Job Ticket: 25235

DST#:2

ATTN: Tom Fertal

Test Start: 2006.07.19 @ 21:09:51

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|-------------------|------------------------------------|
| Drill Pipe: | Length: 2780.00 ft | Diameter: 3.30 inches | Volume: 29.41 bbl | Tool Weight: 2500.00 lb |
| Heavy Wt. Pipe: | Length: 185.00 ft | Diameter: 2.70 inches | Volume: 1.31 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 90.00 ft | Diameter: 2.25 inches | Volume: 0.44 bbl | Weight to Pull Loose: 50000.00 lb |
| | | Total Volume: | 31.16 bbl | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 12.00 ft | | | String Weight: Initial 45000.00 lb |
| Depth to Top Packer: | 3072.00 ft | | | Final 45000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 24.02 ft | | | |
| Tool Length: | 53.02 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 | | | 3044.00 | |
| Shut In Tool | 5.00 | | | 3049.00 | |
| Hydraulic tool | 5.00 | | | 3054.00 | |
| Jars | 5.00 | | | 3059.00 | |
| Safety Joint | 3.00 | | | 3062.00 | |
| Packer | 5.00 | | | 3067.00 | 29.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3072.00 | |
| Stubb | 1.00 | | | 3073.00 | |
| Perforations | 1.00 | | | 3074.00 | |
| Recorder | 0.01 | 8167 | Inside | 3074.01 | |
| Perforations | 19.00 | | | 3093.01 | |
| Recorder | 0.01 | 13534 | Outside | 3093.02 | |
| Bullnose | 3.00 | | | 3096.02 | 24.02 Bottom Packers & Anchor |

Total Tool Length: 53.02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr & Associates

Young-Schroeder Trust # 1-36

1670 Broadway Ste 3300
Denver CO 80202

36 17 10 Ellsworth K

Job Ticket: 25235

DST#: 2

ATTN: Tom Fertal

Test Start: 2006.07.19 @ 21:09:51

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: 43.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 9.14 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: ppm | | | |
| Filter Cake: inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---------------------|---------------|
| 100.00 | GOCM 25%G 25%O 50%M | 0.708 |
| 0.00 | 690' GIP | 0.000 |

Total Length: 100.00 ft Total Volume: 0.708 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

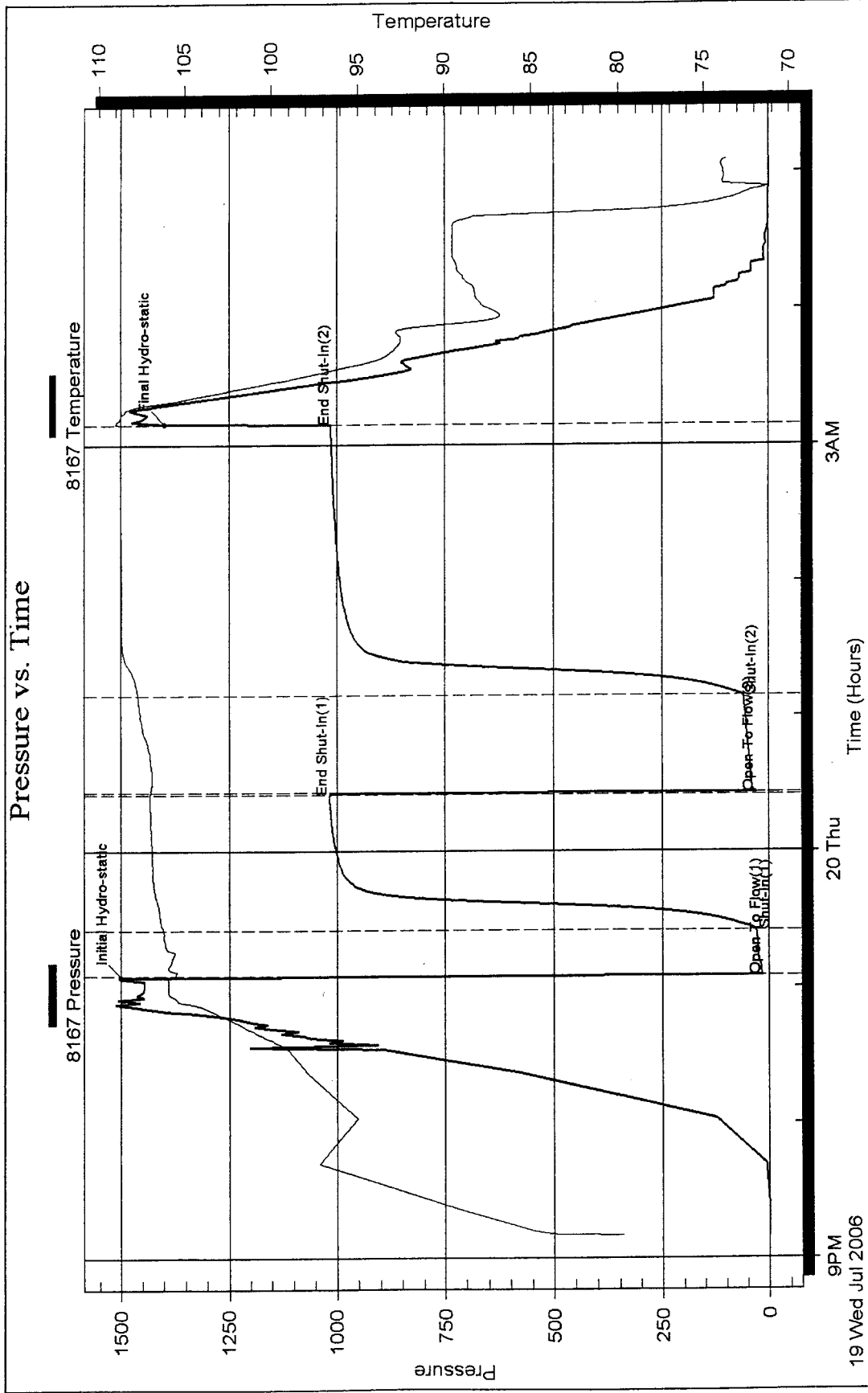
Serial #: 8167

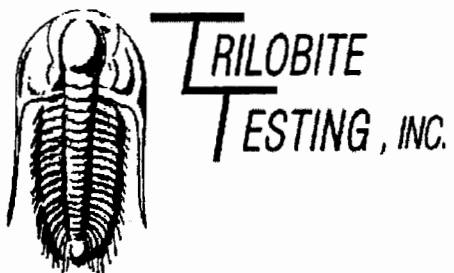
Inside

Samuel Gary Jr & Associates

36 17 10 Elsworth K

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr & Associates**

1670 Broadway Ste 3300
Denver CO 80202

ATTN: Tom Fertal

36 17 10 Ellsworth K

Young-Schroeder Trust # 1-36

Start Date: 2006.07.20 @ 23:21:10

End Date: 2006.07.21 @ 05:33:40

Job Ticket #: 25236 DST #: 3

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr & Associates

Young-Schroeder Trust # 1-36

1670 Broadway Ste 3300
Denver CO 80202

36 17 10 Ellsworth K

Job Ticket: 25236

DST#: 3

ATTN: Tom Fertal

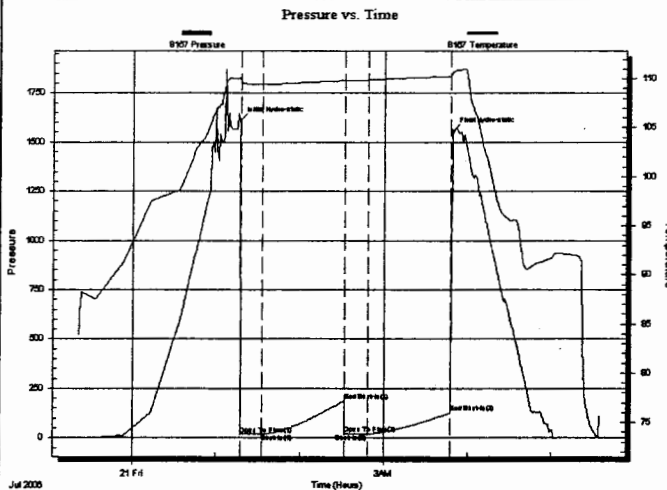
Test Start: 2006.07.20 @ 23:21:10

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole
 Time Tool Opened: 01:17:40 Tester: John Schmidt
 Time Test Ended: 05:33:40 Unit No: 31
 Interval: **3215.00 ft (KB) To 3260.00 ft (KB) (TVD)** Reference Elevations: 1768.00 ft (KB)
 Total Depth: 3260.00 ft (KB) (TVD) 1760.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8167 Inside
 Press@RunDepth: 19.27 psig @ 3220.01 ft (KB) Capacity: 7000.00 psig
 Start Date: 2006.07.20 End Date: 2006.07.21 Last Calib.: 2006.07.21
 Start Time: 23:21:11 End Time: 05:33:40 Time On Btm: 2006.07.21 @ 01:17:10
 Time Off Btm: 2006.07.21 @ 03:48:40

TEST COMMENT: IF Weak Dead in 10 min
 ISI Dead
 FF Dead
 FSI Dead



PRESSURE SUMMARY

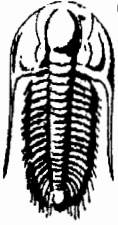
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1610.08 | 110.07 | Initial Hydro-static |
| 1 | 18.50 | 109.64 | Open To Flow (1) |
| 16 | 19.30 | 109.42 | Shut-in(1) |
| 75 | 186.43 | 109.81 | End Shut-in(1) |
| 75 | 19.56 | 109.77 | Open To Flow (2) |
| 92 | 19.27 | 109.88 | Shut-in(2) |
| 151 | 127.00 | 110.25 | End Shut-in(2) |
| 152 | 1557.61 | 110.66 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 10.00 | D.Mud | 0.07 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr & Associates

Young-Schroeder Trust # 1-36

1670 Broadway Ste 3300
Denver CO 80202

36 17 10 Ellsworth K

Job Ticket: 25236

DST#: 3

ATTN: Tom Fertal

Test Start: 2006.07.20 @ 23:21:10

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 2931.00 ft | Diameter: 3.30 inches | Volume: 31.01 bbl | Tool Weight: 2500.00 lb |
| Heavy Wt. Pipe: | Length: 185.00 ft | Diameter: 2.70 inches | Volume: 1.31 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 90.00 ft | Diameter: 2.25 inches | Volume: 0.44 bbl | Weight to Pull Loose: 65000.00 lb |
| | | | <u>Total Volume: 32.76 bbl</u> | Tool Chased 5.00 ft |
| Drill Pipe Above KB: | 20.00 ft | | | String Weight: Initial 46000.00 lb |
| Depth to Top Packer: | 3215.00 ft | | | Final 46000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 45.01 ft | | | |
| Tool Length: | 74.01 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 | | | 3187.00 | |
| Shut In Tool | 5.00 | | | 3192.00 | |
| Hydraulic tool | 5.00 | | | 3197.00 | |
| Jars | 5.00 | | | 3202.00 | |
| Safety Joint | 3.00 | | | 3205.00 | |
| Packer | 5.00 | | | 3210.00 | 29.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3215.00 | |
| Stubb | 1.00 | | | 3216.00 | |
| Perforations | 3.00 | | | 3219.00 | |
| Change Over Sub | 1.00 | | | 3220.00 | |
| Recorder | 0.01 | 8167 | Inside | 3220.01 | |
| Blank Spacing | 31.00 | | | 3251.01 | |
| Change Over Sub | 1.00 | | | 3252.01 | |
| Perforations | 5.00 | | | 3257.01 | |
| Bullnose | 3.00 | | | 3260.01 | 45.01 Bottom Packers & Anchor |
| Total Tool Length: | | 74.01 | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr & Associates

Young-Schroeder Trust # 1-36

1670 Broadway Ste 3300
Denver CO 80202

36 17 10 Ellsworth K

Job Ticket: 25236 **DST#: 3**

ATTN: Tom Fertal

Test Start: 2006.07.20 @ 23:21:10

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: 43.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 9.14 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: ppm | | | |
| Filter Cake: inches | | | |

Recovery Information

Recovery Table

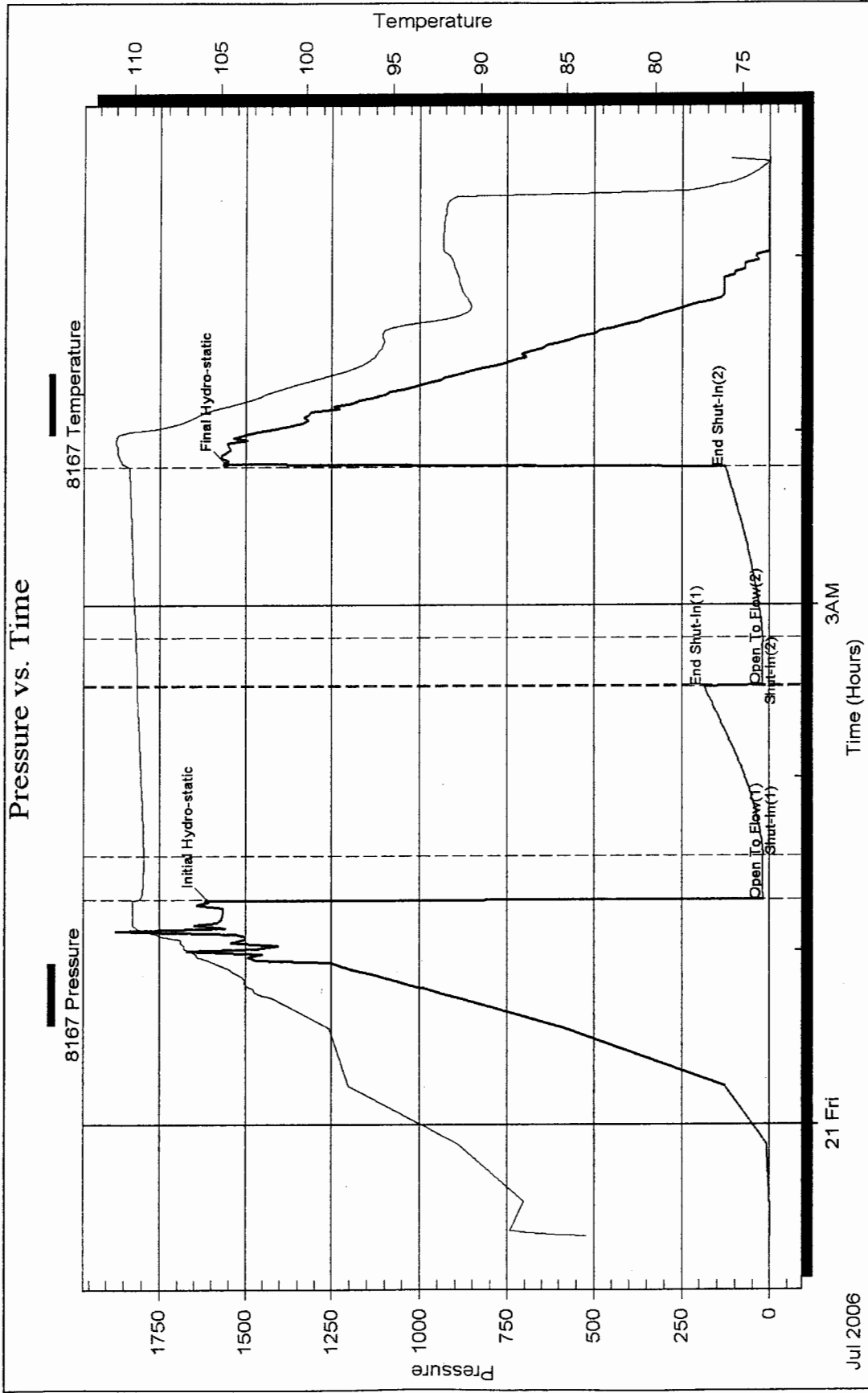
| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 10.00 | D.Mud | 0.071 |

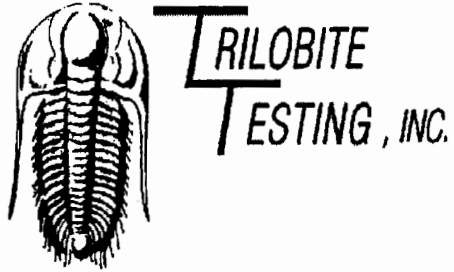
Total Length: 10.00 ft Total Volume: 0.071 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr & Associates**

1670 Broadway Ste 3300
Denver CO 80202

ATTN: Tom Fertal

36 17 10 Ellsworth K

Young-Schroeder Trust # 1-36

Start Date: 2006.07.21 @ 12:23:10

End Date: 2006.07.21 @ 18:01:40

Job Ticket #: 25237 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Samuel Gary Jr & Associates

Young-Schroeder Trust # 1-36

36 17 10 Ellsworth K

DST # 4

Arbuckle

2006.07.21



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr & Associates

Young-Schroeder Trust # 1-36

1670 Broadway Ste 3300
Denver CO 80202

36 17 10 Ellsworth K

Job Ticket: 25237

DST#: 4

ATTN: Tom Fertal

Test Start: 2006.07.21 @ 12:23:10

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:11:40

Time Test Ended: 18:01:40

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 31

Interval: **3261.00 ft (KB) To 3270.00 ft (KB) (TVD)**

Reference Elevations: 1768.00 ft (KB)

Total Depth: 2921.00 ft (KB) (TVD)

1760.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8167 Inside

Press@RunDepth: 30.74 psig @ 3262.01 ft (KB)

Capacity: 7000.00 psig

Start Date: 2006.07.21

End Date: 2006.07.21

Last Calib.: 2006.07.21

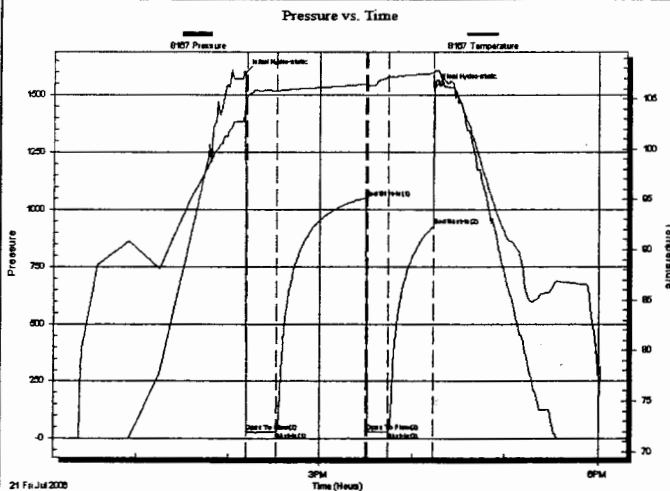
Start Time: 12:23:11

End Time: 18:01:40

Time On Btm: 2006.07.21 @ 14:10:40

Time Off Btm: 2006.07.21 @ 16:14:40

TEST COMMENT: IF Weak 2" blow dying to 1" in
ISI Dead
FF Dead flush tool no help.
FSI Dead



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1598.36 | 104.13 | Initial Hydro-static |
| 1 | 29.23 | 105.24 | Open To Flow (1) |
| 21 | 29.67 | 105.79 | Shut-in(1) |
| 79 | 1050.61 | 106.47 | End Shut-in(1) |
| 80 | 29.94 | 106.23 | Open To Flow (2) |
| 94 | 30.74 | 107.17 | Shut-in(2) |
| 124 | 927.73 | 107.55 | End Shut-in(2) |
| 124 | 1532.79 | 107.87 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 30.00 | D.Mud | 0.21 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr & Associates

Young-Schroeder Trust # 1-36

1670 Broadway Ste 3300
Denver CO 80202

36 17 10 Ellsworth K

Job Ticket: 25237

DST#: 4

ATTN: Tom Fertal

Test Start: 2006.07.21 @ 12:23:10

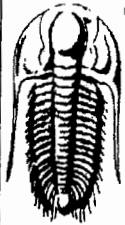
Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 2963.00 ft | Diameter: 3.30 inches | Volume: 31.35 bbl | Tool Weight: 2500.00 lb |
| Heavy Wt. Pipe: | Length: 185.00 ft | Diameter: 2.70 inches | Volume: 1.31 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 90.00 ft | Diameter: 2.25 inches | Volume: 0.44 bbl | Weight to Pull Loose: 60000.00 lb |
| | | | <u>Total Volume: 33.10 bbl</u> | Tool Chased 5.00 ft |
| Drill Pipe Above KB: | 6.00 ft | | | String Weight: Initial 46000.00 lb |
| Depth to Top Packer: | 3261.00 ft | | | Final 46000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 9.01 ft | | | |
| Tool Length: | 38.01 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 | | | 3233.00 | |
| Shut In Tool | 5.00 | | | 3238.00 | |
| Hydraulic tool | 5.00 | | | 3243.00 | |
| Jars | 5.00 | | | 3248.00 | |
| Safety Joint | 3.00 | | | 3251.00 | |
| Packer | 5.00 | | | 3256.00 | 29.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3261.00 | |
| Stubb | 1.00 | | | 3262.00 | |
| Recorder | 0.01 | 8167 | inside | 3262.01 | |
| Perforations | 5.00 | | | 3267.01 | |
| Bullnose | 3.00 | | | 3270.01 | 9.01 Bottom Packers & Anchor |

Total Tool Length: 38.01



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr & Associates

Young-Schroeder Trust # 1-36

1670 Broadway Ste 3300
Denver CO 80202

36 17 10 Ellsworth K

Job Ticket: 25237

DST#: 4

ATTN: Tom Fertal

Test Start: 2006.07.21 @ 12:23:10

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: 43.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.14 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 30.00 | D.Mud | 0.212 |

Total Length: 30.00 ft

Total Volume: 0.212 bbl

Num Fluid Samples: 0

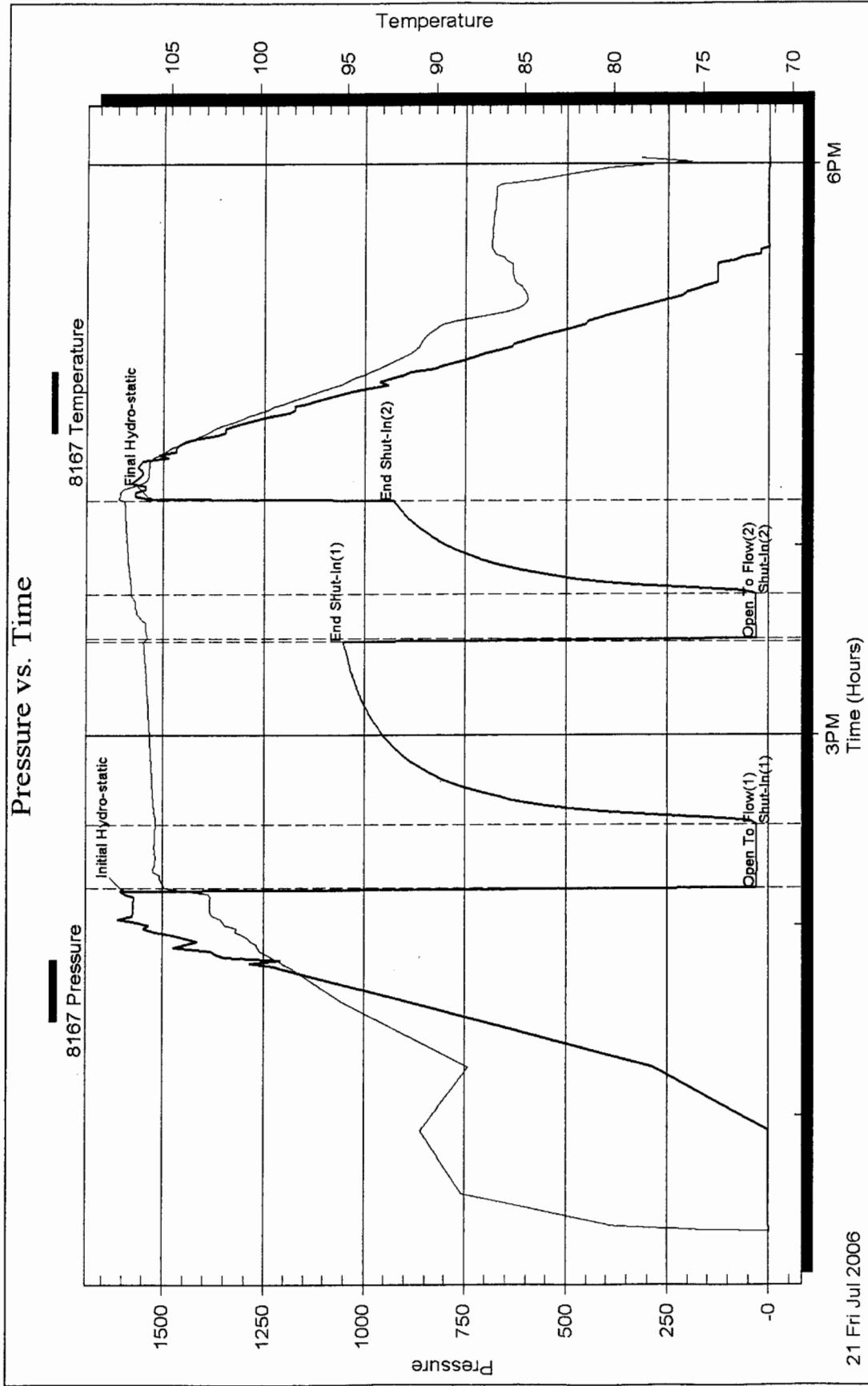
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



21 Fri Jul 2006

3PM
Time (Hours)

6PM



DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr & Associates**

1670 Broadway Ste 3300
Denver CO 80202

ATTN: Tom Fertal

36 17 10 Ellsworth K

Young-Schroeder Trust # 1-36

Start Date: 2006.07.22 @ 12:26:10

End Date: 2006.07.22 @ 20:22:10

Job Ticket #: 25238 DST #: 5

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

Samuel Gary Jr & Associates

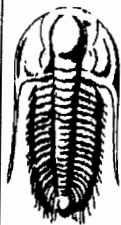
Young-Schroeder Trust # 1-36

36 17 10 Ellsworth K

DST # 5

Arbuckle

2006.07.22



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr & Associates

Young-Schroeder Trust # 1-36

1670 Broadway Ste 3300
Denver CO 80202

36 17 10 Ellsworth K

Job Ticket: 25238

DST#: 5

ATTN: Tom Fertal

Test Start: 2006.07.22 @ 12:26:10

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3051.00 ft | Diameter: 3.30 inches | Volume: 32.28 bbl | Tool Weight: 2500.00 lb |
| Heavy Wt. Pipe: | Length: 124.00 ft | Diameter: 2.70 inches | Volume: 0.88 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 90.00 ft | Diameter: 2.25 inches | Volume: 0.44 bbl | Weight to Pull Loose: 52000.00 lb |
| | | | <u>Total Volume: 33.60 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 25.00 ft | | | String Weight: Initial 47000.00 lb |
| Depth to Top Packer: | 3269.00 ft | | | Final 48000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 13624.02 ft | | | |
| Tool Length: | 13653.02 ft | | | |
| Number of Packers: | 3 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|------------------------------------|
| Change Over Sub | 1.00 | | | 3241.00 | |
| Shut In Tool | 5.00 | | | 3246.00 | |
| Hydraulic tool | 5.00 | | | 3251.00 | |
| Jars | 5.00 | | | 3256.00 | |
| Safety Joint | 3.00 | | | 3259.00 | |
| Packer | 5.00 | | | 3264.00 | 29.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3269.00 | |
| Stubb | 1.00 | | | 3270.00 | |
| Recorder | 0.01 | 8167 | Inside | 3270.01 | |
| Perforations | 14.00 | | | 3284.01 | |
| Recorder | 0.01 | 13547 | Outside | 3284.02 | |
| Blank Off Sub | 1.00 | | | 3285.02 | 13624.02 Tool Interval |
| Packer | 0.00 | | | 3285.02 | |
| Perforations | 5.00 | | | 3290.02 | |
| Change Over Sub | 1.00 | | | 3291.02 | |
| Recorder | 13534.00 | | | 16825.02 | |
| Blank Spacing | 61.00 | | | 16886.02 | |
| Change Over Sub | 1.00 | | | 16887.02 | |
| Perforations | 3.00 | | | 16890.02 | |
| Bullnose | 3.00 | | | 16893.02 | 1013652.02 Bottom Packers & Anchor |

Total Tool Length: 13653.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr & Associates

Young-Schroeder Trust # 1-36

1670 Broadway Ste 3300
Denver CO 80202

36 17 10 Ellsworth K

Job Ticket: 25238

DST#: 5

ATTN: Tom Fertal

Test Start: 2006.07.22 @ 12:26:10

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:

14000 ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|-------------|----------------|
| 280.00 | MSW | 2.019 |

Total Length: 280.00 ft

Total Volume: 2.019 bbl

Num Fluid Samples: 0

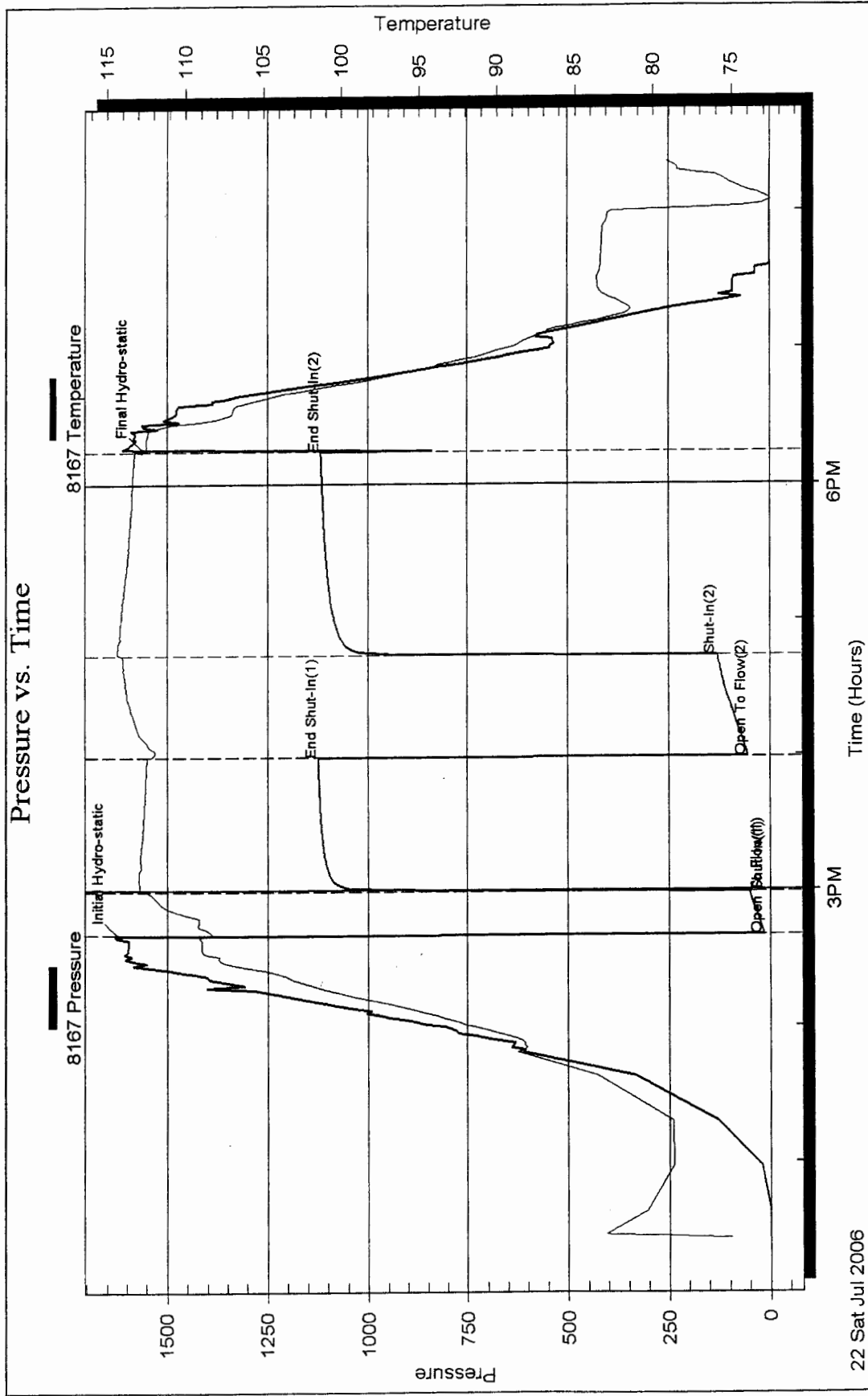
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



22 Sat Jul 2006