

15-109-20751

Blake Exploration LLC

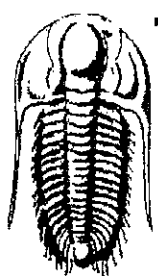
Gelwicks Trust #1

27-11s-33w-Logan

DST #1

LKC-"E-F"

2005.07.26



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Blake Exploration LLC**
PO Box 150
Bogue KS 67625

ATTN: Mike Davignon

27-11s-33w-Logan

Gelwicks Trust #1

Start Date: 2005.07.26 @ 17:11:17

End Date: 2005.07.26 @ 22:31:02

Job Ticket #: 22057 DST #: 1

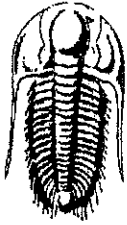
15-109-20751-00-00

1775 FNL 330 FWL

NW SW NW

RECEIVED
FEB 15 2006
KCC WICHITA

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Blake Exploration LLC

PO Box 150
Bogue KS 67625

ATTN: Mike Davignon

Gelwicks Trust #1

27-11s-33w-Logan

Job Ticket: 22057

DST#: 1

Test Start: 2005.07.26 @ 17:11:17

GENERAL INFORMATION:

Formation: **LKC-"E-F"**
Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 18:41:02

Time Test Ended: 22:31:02

Test Type: **Conventional Bottom Hole**

Tester: **Jason McLemore**

Unit No: **32**

Interval: **4130.00 ft (KB) To 4160.00 ft (KB) (TVD)**

Total Depth: **4160.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **3137.00 ft (KB)**

3125.00 ft (CF)

KB to GRVCF: **12.00 ft**

Serial #: 6741

Inside

Press@RunDepth: **92.21 psig @ 4132.00 ft (KB)**

Start Date: **2005.07.26**

End Date: **2005.07.26**

Capacity: **7000.00 psig**

Last Calib.: **2005.07.26**

Start Time: **17:11:19**

End Time: **22:31:02**

Time On Btm: **2005.07.26 @ 18:40:47**

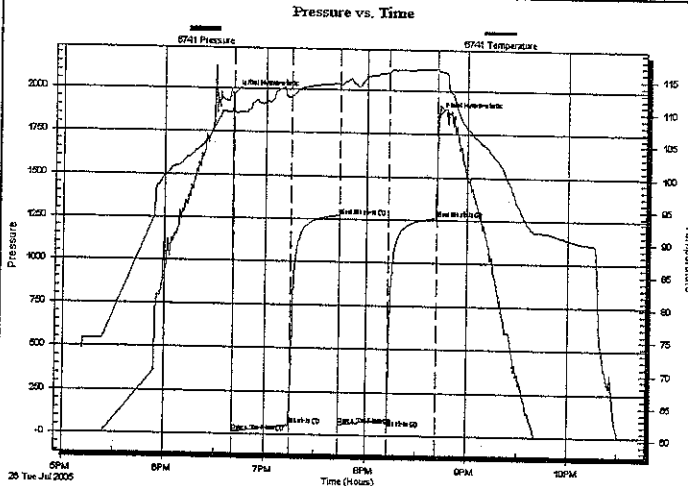
Time Off Btm: **2005.07.26 @ 20:42:17**

TEST COMMENT: **IFP-Weak Blow , Built to 3-3/4"**

ISI-Dead

FFP-Weak Blow , Built to 2-1/4"

FSI-Dead



PRESSURE SUMMARY

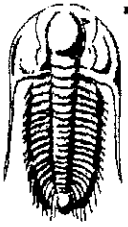
| Time (Mn.) | Pressure (psig) | Temp (deg F) | Annotation |
|------------|-----------------|--------------|----------------------|
| 0 | 1967.99 | 110.19 | Initial Hydro-static |
| 1 | 12.66 | 109.77 | Open To Flow (1) |
| 35 | 54.20 | 112.26 | Shut-In(1) |
| 64 | 1267.23 | 114.32 | End Shut-In(1) |
| 64 | 59.43 | 114.03 | Open To Flow (2) |
| 92 | 92.21 | 116.02 | Shut-In(2) |
| 121 | 1261.40 | 116.69 | End Shut-In(2) |
| 122 | 1855.74 | 116.56 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------------|--------------|
| 180.00 | Muddy Water-15%W-85%M | 0.89 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blake Exploration LLC

Gelwicks Trust #1

PO Box 150
Bogue KS 67625

27-11s-33w-Logan

Job Ticket: 22057

DST#: 1

ATTN: Mike Davignon

Test Start: 2005.07.26 @ 17:11:17

Tool Information

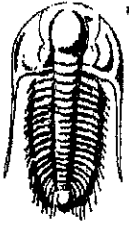
| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3546.00 ft | Diameter: 3.80 inches | Volume: 49.74 bbl | Tool Weight: 2200.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.25 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 570.00 ft | Diameter: 2.25 inches | Volume: 2.80 bbl | Weight to Pull Loose: 78000.00 lb |
| | | | Total Volume: 52.54 bbl | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 7.00 ft | | | String Weight: Initial 75000.00 lb |
| Depth to Top Packer: | 4130.00 ft | | | Final 75000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 30.00 ft | | | |
| Tool Length: | 51.00 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 | | | 4110.00 | |
| Shut In Tool | 5.00 | | | 4115.00 | |
| Hydraulic tool | 5.00 | | | 4120.00 | |
| Packer | 5.00 | | | 4125.00 | 21.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 4130.00 | |
| Stubb | 1.00 | | | 4131.00 | |
| Perforations | 1.00 | | | 4132.00 | |
| Recorder | 0.00 | 6741 | Inside | 4132.00 | |
| Perforations | 25.00 | | | 4157.00 | |
| Recorder | 0.00 | 13221 | Outside | 4157.00 | |
| Bullnose | 3.00 | | | 4160.00 | 30.00 Bottom Packers & Anchor |

Total Tool Length: 51.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Blake Exploration LLC

Gelwicks Trust #1

PO Box 150
Bogue KS 67625

27-11s-33w-Logan

Job Ticket: 22057

DST#: 1

ATTN: Mike Davignon

Test Start: 2005.07.26 @ 17:11:17

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: 21000 ppm | |
| Viscosity: 75.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 6.78 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 2400.00 ppm | | | |
| Filter Cake: 2.00 inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|------------------------|---------------|
| 180.00 | Muddy Water-15%VW-85%M | 0.885 |

Total Length: 180.00 ft Total Volume: 0.885 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

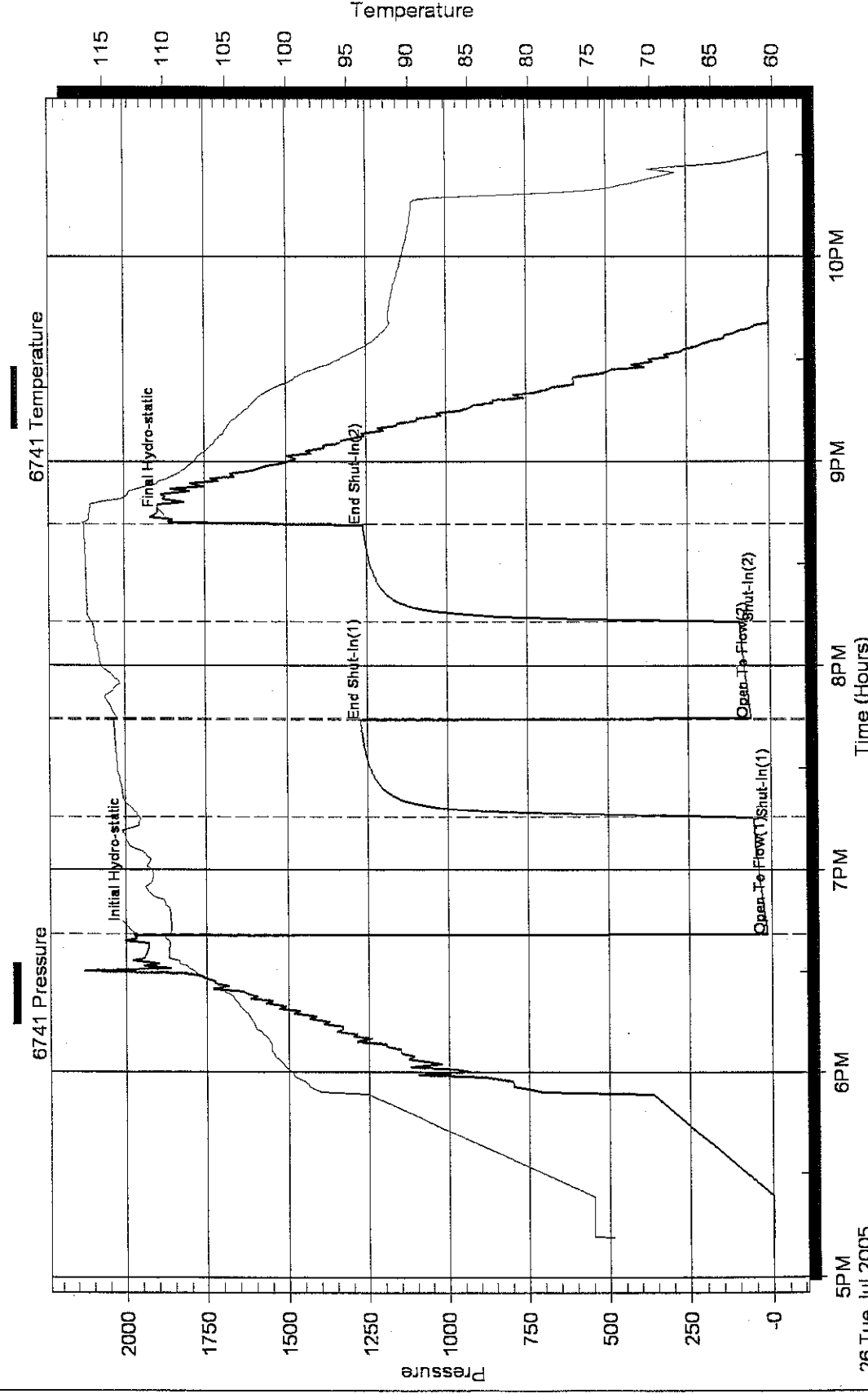
Serial #:

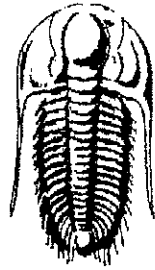
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Blake Exploration LLC**

PO Box 150
Bogue KS 67625

ATTN: Mike Davignon

27-11s-33w-Logan

Gelwicks Trust #1

Start Date: 2005.07.27 @ 07:32:20

End Date: 2005.07.27 @ 15:19:05

Job Ticket #: 22058 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Blake Exploration LLC

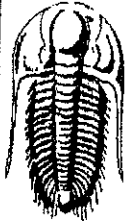
Gelwicks Trust #1

27-11s-33w-Logan

DST # 2

LKC-"H"

2005.07.27



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Blake Exploration LLC

Gelwicks Trust #1

PO Box 150
Bogue KS 67625

27-11s-33w-Logan

ATTN: Mike Davignon

Job Ticket: 22058 DST#: 2

Test Start: 2005.07.27 @ 07:32:20

GENERAL INFORMATION:

Formation: LKC-"H"
 Deviated: No Whipstock ft (KB)
 Time Tool Opened: 09:23:20
 Time Test Ended: 15:19:05
 Interval: 4185.00 ft (KB) To 4230.00 ft (KB) (TVD)
 Total Depth: 4160.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Good

Test Type: Conventional Bottom Hole
 Tester: Jason McLemore
 Unit No: 32
 Reference Elevations: 3137.00 ft (KB)
 3125.00 ft (CF)
 KB to GR/CF: 12.00 ft

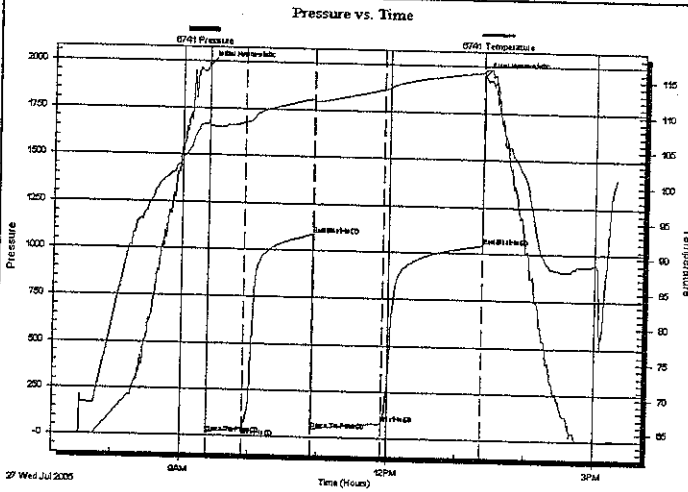
Serial #: 6741

Inside

Press@RunDepth: 80.14 psig @ 4187.00 ft (KB)
 Start Date: 2005.07.27 End Date: 2005.07.27
 Start Time: 07:32:22 End Time: 15:19:05

Capacity: 7000.00 psig
 Last Calib.: 2005.07.27
 Time On Btm: 2005.07.27 @ 09:23:05
 Time Off Btm: 2005.07.27 @ 13:23:20

TEST COMMENT: IFF-Fair Blow, Built to 9"
 ISI-Dead
 FFP-Fair Blow, BOB in 38 Min.
 FSI-Surface Blow back For 20 Min



PRESSURE SUMMARY

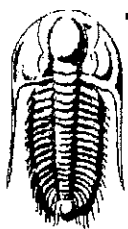
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1979.65 | 108.58 | Initial Hydro-static |
| 1 | 12.24 | 107.78 | Open To Flow (1) |
| 32 | 41.56 | 108.43 | Shut-In(1) |
| 91 | 1085.76 | 111.90 | End Shut-In(1) |
| 92 | 44.19 | 111.62 | Open To Flow (2) |
| 152 | 80.14 | 113.44 | Shut-In(2) |
| 240 | 1042.21 | 116.10 | End Shut-In(2) |
| 241 | 1949.46 | 116.52 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------------|--------------|
| 125.00 | Clean Oil | 0.61 |
| 40.00 | HOCM-20%G-50%O-30%M | 0.20 |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blake Exploration LLC

Gelwicks Trust #1

PO Box 150
Bogue KS 67625

27-11s-33w-Logan

Job Ticket: 22058

DST#: 2

ATTN: Mike Davignon

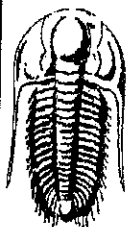
Test Start: 2005.07.27 @ 07:32:20

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3607.00 ft | Diameter: 3.80 inches | Volume: 50.60 bbl | Tool Weight: 2200.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.25 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 570.00 ft | Diameter: 2.25 inches | Volume: 2.80 bbl | Weight to Pull Loose: 80000.00 lb |
| | | | <u>Total Volume: 53.40 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 13.00 ft | | | String Weight: Initial 76000.00 lb |
| Depth to Top Packer: | 4185.00 ft | | | Final 78000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 45.00 ft | | | |
| Tool Length: | 66.00 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 | | | 4165.00 | |
| Shut In Tool | 5.00 | | | 4170.00 | |
| Hydraulic tool | 5.00 | | | 4175.00 | |
| Packer | 5.00 | | | 4180.00 | 21.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 4185.00 | |
| Stubb | 1.00 | | | 4186.00 | |
| Perforations | 1.00 | | | 4187.00 | |
| Recorder | 0.00 | 6741 | Inside | 4187.00 | |
| Change Over Sub | 1.00 | | | 4188.00 | |
| Blank Spacing | 31.00 | | | 4219.00 | |
| Change Over Sub | 1.00 | | | 4220.00 | |
| Perforations | 7.00 | | | 4227.00 | |
| Recorder | 0.00 | 13221 | Outside | 4227.00 | |
| Bullnose | 3.00 | | | 4230.00 | 45.00 Bottom Packers & Anchor |
| Total Tool Length: | 66.00 | | | | |



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Blake Exploration LLC

Gelwicks Trust #1

PO Box 150
Bogue KS 67625

27-11s-33w-Logan

Job Ticket: 22058

DST#: 2

ATTN: Mike Davignon

Test Start: 2005.07.27 @ 07:32:20

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 75.00 sec/qt

Water Loss: 6.77 in³

Resistivity: ohm.m

Salinity: 2400.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

38 deg API

Water Salinity: ppm

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---------------------|---------------|
| 125.00 | Clean Oil | 0.615 |
| 40.00 | HOCM-20%G-50%O-30%M | 0.197 |

Total Length: 165.00 ft Total Volume: 0.812 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

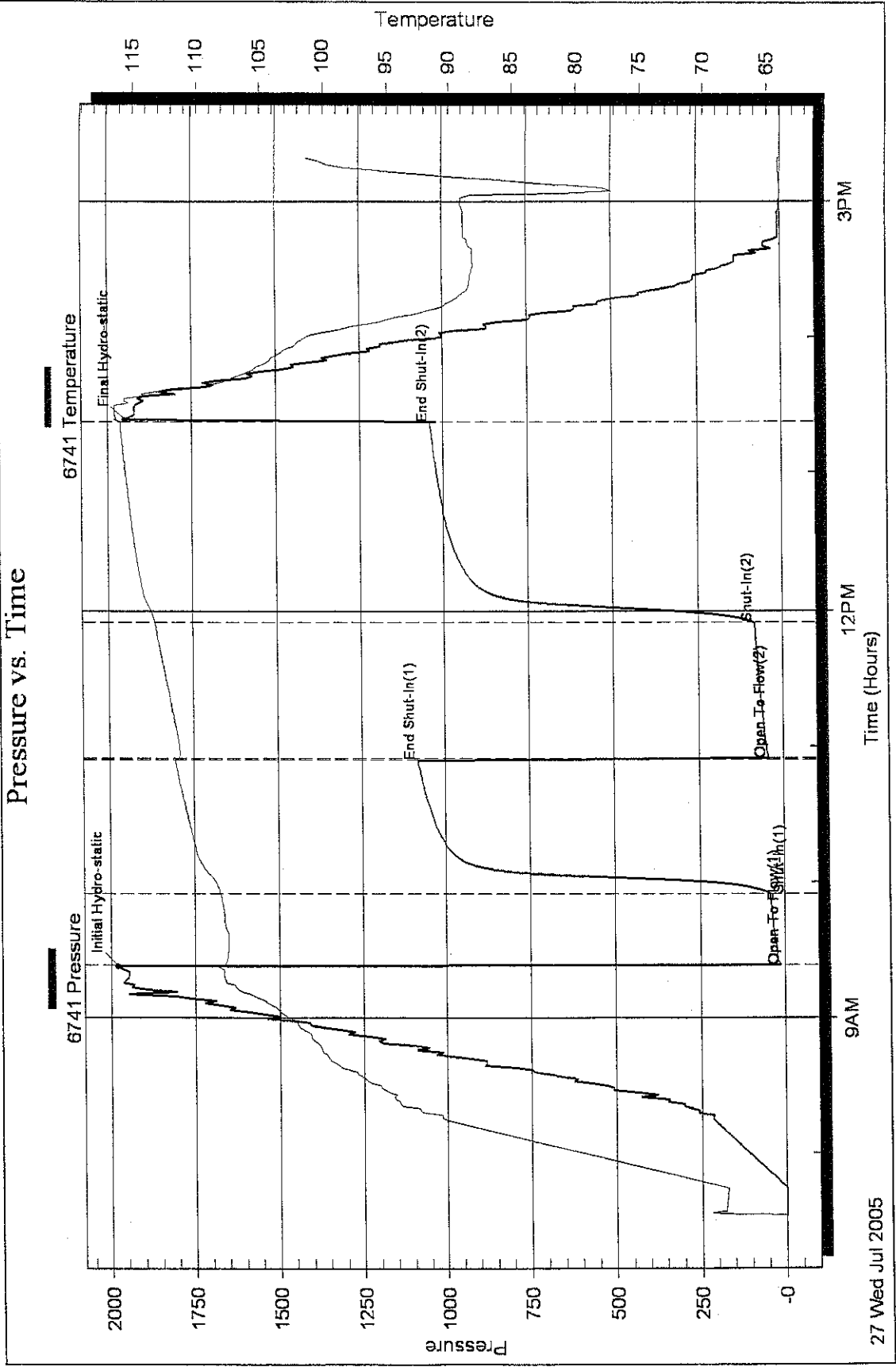
Serial #:

Laboratory Name:

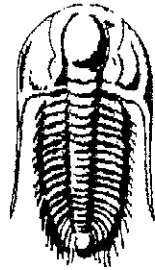
Laboratory Location:

Recovery Comments:

Pressure vs. Time



27 Wed Jul 2005



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Blake Exploration LLC**

PO Box 150
Bogue KS 67625

ATTN: Mike Davignon

27-11s-33w-Logan

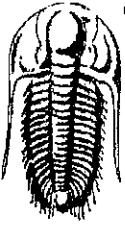
Gelwicks Trust #1

Start Date: 2005.07.27 @ 22:03:48

End Date: 2005.07.28 @ 05:04:18

Job Ticket #: 22059 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

Blake Exploration LLC

Gelwicks Trust #1

PO Box 150
Bogue KS 67625

27-11s-33w-Logan

ATTN: Mike Davignon

Job Ticket: 22059

DST#: 3

Test Start: 2005.07.27 @ 22:03:48

GENERAL INFORMATION:

Formation: LKC-"I"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:58:33

Time Test Ended: 05:04:18

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: 4232.00 ft (KB) To 4262.00 ft (KB) (TVD)

Total Depth: 4262.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 3137.00 ft (KB)

3125.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 6741

Inside

Press@RunDepth: 18.88 psig @ 4234.00 ft (KB)

Start Date: 2005.07.27

End Date: 2005.07.28

Start Time: 22:03:50

End Time: 05:04:18

Capacity: 7000.00 psig

Last Calib.: 2005.07.28

Time On Btm: 2005.07.27 @ 23:58:03

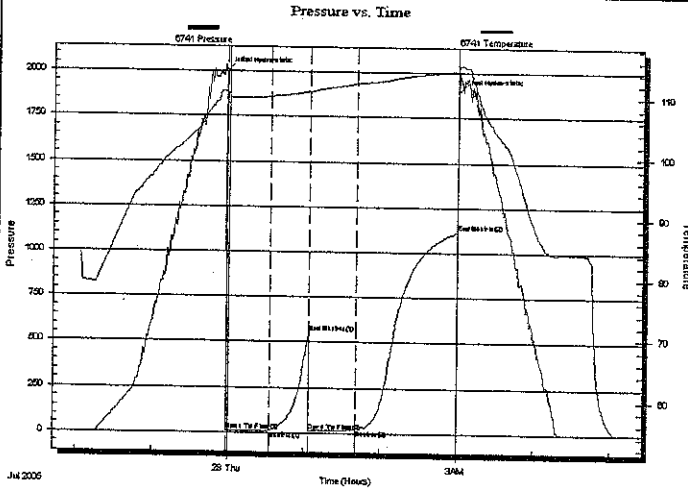
Time Off Btm: 2005.07.28 @ 03:00:33

TEST COMMENT: IFP-Weak Blow , Built to 1"

ISI-Dead

FFP-Weak Blow , Built to 1/4", Died Back to Weak Surface Blow

FSI-Dead



PRESSURE SUMMARY

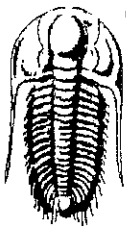
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2001.97 | 110.97 | Initial Hydro-static |
| 1 | 10.12 | 110.55 | Open To Flow (1) |
| 35 | 11.37 | 110.01 | Shut-in(1) |
| 66 | 548.14 | 110.92 | End Shut-in(1) |
| 66 | 10.48 | 110.77 | Open To Flow (2) |
| 102 | 18.88 | 112.21 | Shut-in(2) |
| 182 | 1114.70 | 114.48 | End Shut-in(2) |
| 183 | 1888.44 | 115.04 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------|--------------|
| 3.00 | HOCM-30%O-70%M | 0.01 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blake Exploration LLC

Gelwicks Trust #1

PO Box 150
Bogue KS 67625

27-11s-33w-Logan

Job Ticket: 22059

DST#: 3

ATTN: Mike Davignon

Test Start: 2005.07.27 @ 22:03:48

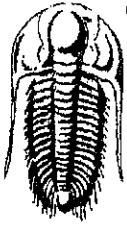
Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3668.00 ft | Diameter: 3.80 inches | Volume: 51.45 bbl | Tool Weight: 2200.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.25 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 570.00 ft | Diameter: 2.25 inches | Volume: 2.80 bbl | Weight to Pull Loose: 80000.00 lb |
| | | | <u>Total Volume: 54.25 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 27.00 ft | | | String Weight: Initial 76000.00 lb |
| Depth to Top Packer: | 4232.00 ft | | | Final 76000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 30.00 ft | | | |
| Tool Length: | 51.00 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 | | | 4212.00 | |
| Shut In Tool | 5.00 | | | 4217.00 | |
| Hydraulic tool | 5.00 | | | 4222.00 | |
| Packer | 5.00 | | | 4227.00 | 21.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 4232.00 | |
| Stubb | 1.00 | | | 4233.00 | |
| Perforations | 1.00 | | | 4234.00 | |
| Recorder | 0.00 | 6741 | Inside | 4234.00 | |
| Perforations | 25.00 | | | 4259.00 | |
| Recorder | 0.00 | 13221 | Outside | 4259.00 | |
| Bullnose | 3.00 | | | 4262.00 | 30.00 Bottom Packers & Anchor |

Total Tool Length: 51.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Blake Exploration LLC

Gelwicks Trust #1

PO Box 150
Bogue KS 67625

27-11s-33w-Logan

ATTN: Mike Davignon

Job Ticket: 22059

DST#: 3

Test Start: 2005.07.27 @ 22:03:48

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: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3150.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|----------------|---------------|
| 3.00 | HOCM-30%O-70%M | 0.015 |

Total Length: 3.00 ft Total Volume: 0.015 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

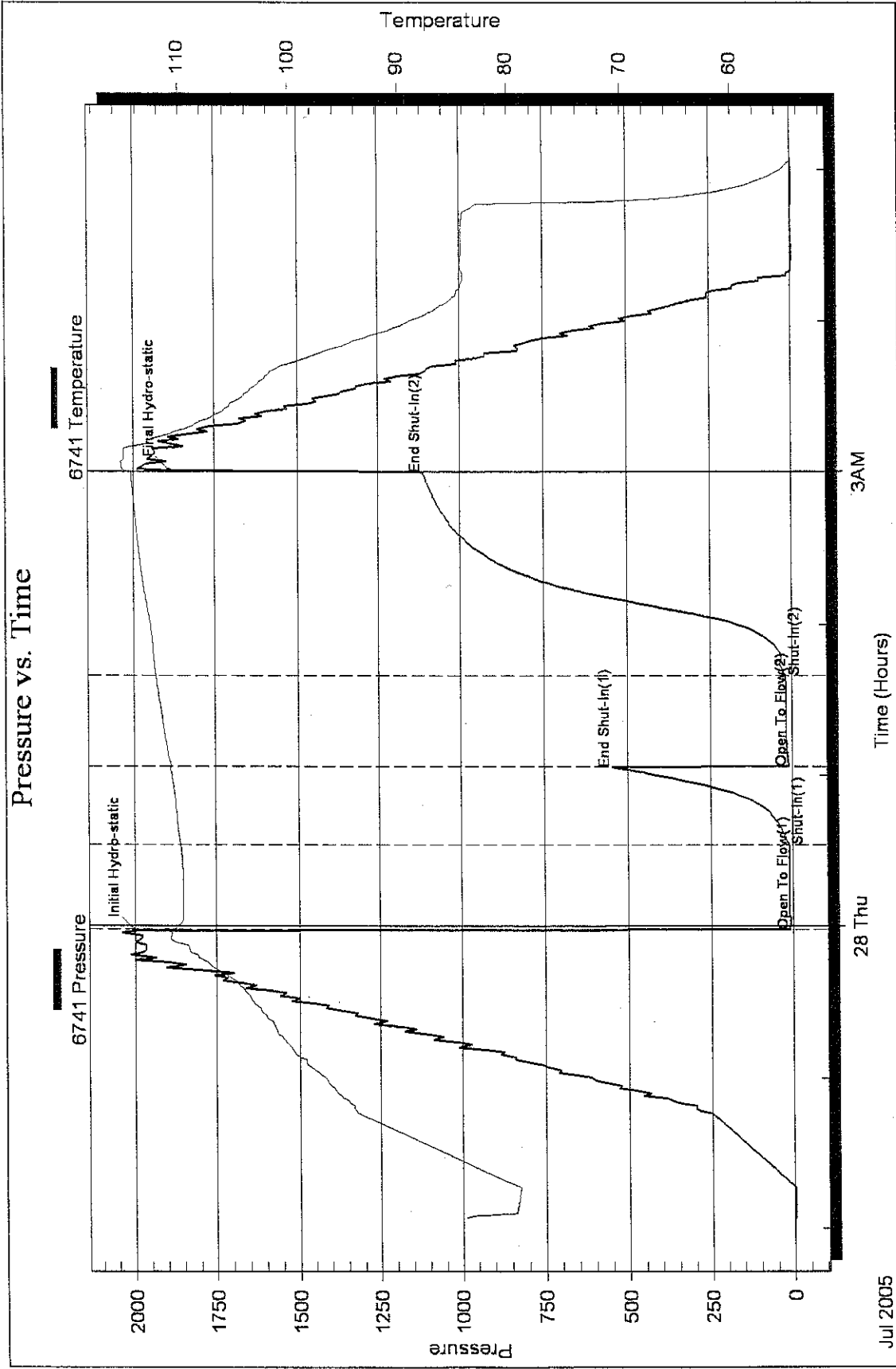
Serial #:

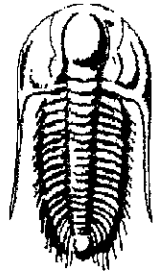
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Blake Exploration LLC**

PO Box 150
Bogue KS 67625

ATTN: Mike Davignon

27-11s-33w-Logan

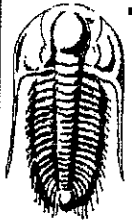
Gelwicks Trust #1

Start Date: 2005.07.28 @ 14:30:19

End Date: 2005.07.28 @ 18:32:49

Job Ticket #: 22061 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

Blake Exploration LLC

Gelwicks Trust #1

PO Box 150
Bogue KS 67625

27-11s-33w-Logan

ATTN: Mike Davignon

Job Ticket: 22061

DST#: 4

Test Start: 2005.07.28 @ 14:30:19

GENERAL INFORMATION:

Formation: LKC-"K"
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:11:34
Time Test Ended: 18:32:49

Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 32

Interval: 4280.00 ft (KB) To 4320.00 ft (KB) (TVD)
Total Depth: 4320.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 3137.00 ft (KB)
3125.00 ft (CF)
KB to GRVCF: 12.00 ft

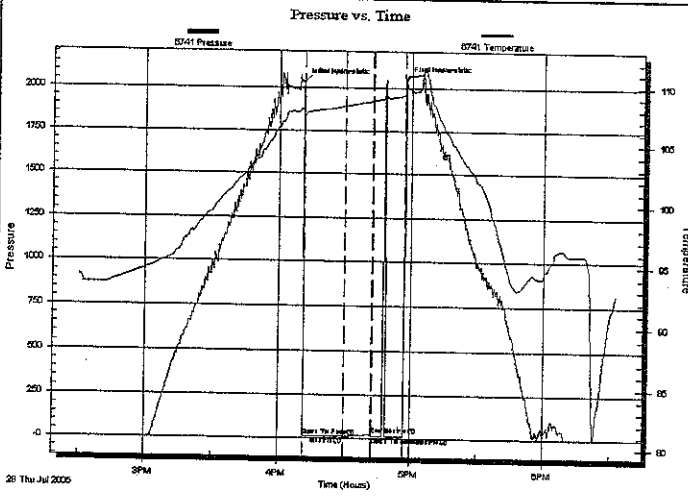
Serial #: 6741

Inside

Press@RunDepth: 11.03 psig @ 4282.00 ft (KB)
Start Date: 2005.07.28 End Date: 2005.07.28
Start Time: 14:30:21 End Time: 18:32:49

Capacity: 7000.00 psig
Last Calib.: 2005.07.28
Time On Btm: 2005.07.28 @ 16:11:04
Time Off Btm: 2005.07.28 @ 16:57:34

TEST COMMENT: IFP-Surge upon Opening, Dead
ISI-Dead
FFP-Open 5 Min, No Blow, Flush Tool, Leave Open 5 Min, Still Dead.
FSI-Pull Tool



PRESSURE SUMMARY

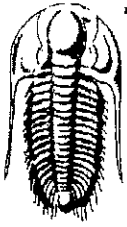
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2034.34 | 108.02 | Initial Hydro-static |
| 1 | 11.83 | 107.29 | Open To Flow (1) |
| 19 | 11.03 | 108.31 | Shut-In(1) |
| 32 | 22.08 | 108.79 | End Shut-In(1) |
| 32 | 11.99 | 108.80 | Open To Flow (2) |
| 46 | 12.72 | 109.26 | End Shut-In(2) |
| 47 | 2048.64 | 110.64 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------|--------------|
| 2.00 | Mud W/Oil Spots | 0.01 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blake Exploration LLC

Gelwicks Trust #1

PO Box 150
Bogue KS 67625

27-11s-33w-Logan

Job Ticket: 22061

DST#: 4

ATTN: Mike Davignon

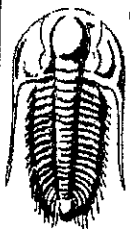
Test Start: 2005.07.28 @ 14:30:19

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3699.00 ft | Diameter: 3.80 inches | Volume: 51.89 bbl | Tool Weight: 2200.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.25 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 570.00 ft | Diameter: 2.25 inches | Volume: 2.80 bbl | Weight to Pull Loose: 82000.00 lb |
| | | | <u>Total Volume: 54.69 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 10.00 ft | | | String Weight: Initial 78000.00 lb |
| Depth to Top Packer: | 4280.00 ft | | | Final 78000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 40.00 ft | | | |
| Tool Length: | 61.00 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 | | | 4260.00 | |
| Shut In Tool | 5.00 | | | 4265.00 | |
| Hydraulic tool | 5.00 | | | 4270.00 | |
| Packer | 5.00 | | | 4275.00 | 21.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 4280.00 | |
| Stubb | 1.00 | | | 4281.00 | |
| Perforations | 1.00 | | | 4282.00 | |
| Recorder | 0.00 | 6741 | Inside | 4282.00 | |
| Perforations | 35.00 | | | 4317.00 | |
| Recorder | 0.00 | 13252 | Outside | 4317.00 | |
| Bullnose | 3.00 | | | 4320.00 | 40.00 Bottom Packers & Anchor |
| Total Tool Length: | 61.00 | | | | |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Blake Exploration LLC

Gelwicks Trust #1

PO Box 150
Bogue KS 67625

27-11s-33w-Logan

Job Ticket: 22061

DST#: 4

ATTN: Mike Davignon

Test Start: 2005.07.28 @ 14:30:19

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 7.18 in³

Resistivity: ohm.m

Salinity: 5100.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|-----------------|----------------|
| 2.00 | Mud W/Oil Spots | 0.010 |

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

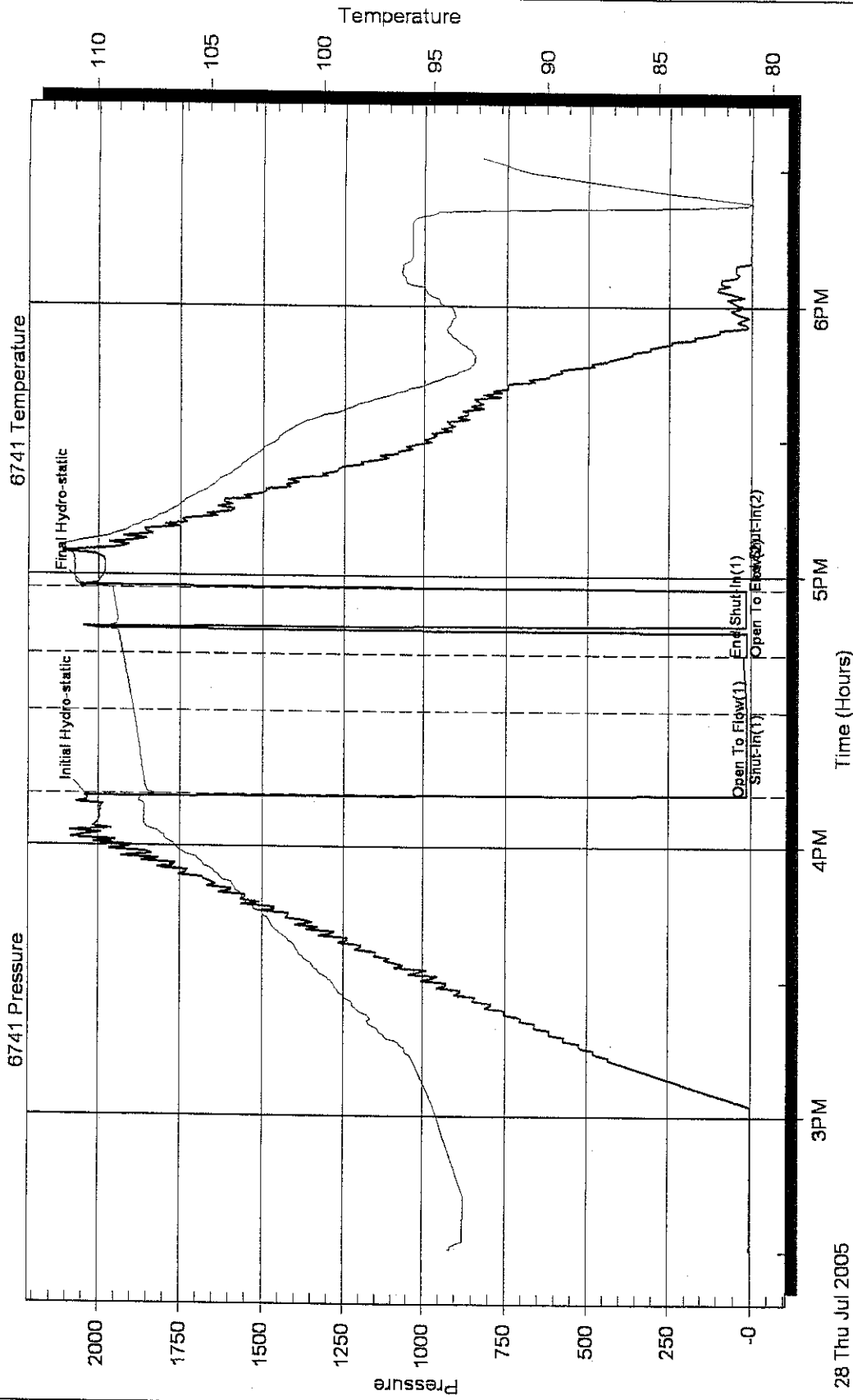
Serial #:

Laboratory Name:

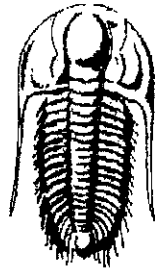
Laboratory Location:

Recovery Comments:

Pressure vs. Time



28 Thu Jul 2005



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Blake Exploration LLC**

PO Box 150
Bogue KS 67625

ATTN: Mike Davignon

27-11s-33w-Logan

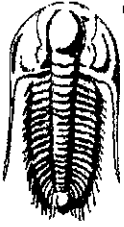
Gelwicks Trust #1

Start Date: 2005.07.29 @ 19:45:10

End Date: 2005.07.30 @ 01:49:25

Job Ticket #: 22062 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

Blake Exploration LLC

Gelwicks Trust #1

PO Box 150
Bogue KS 67625

27-11s-33w-Logan

Job Ticket: 22062

DST#: 5

ATTN: Mike Davignon

Test Start: 2005.07.29 @ 19:45:10

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:46:25

Time Test Ended: 01:49:25

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: **4560.00 ft (KB) To 4633.00 ft (KB) (TVD)**

Total Depth: 4633.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 3137.00 ft (KB)

3125.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 6741 Inside

Press@RunDepth: 75.58 psig @ 4562.00 ft (KB)

Start Date: 2005.07.29

End Date: 2005.07.30

Start Time: 19:45:12

End Time: 01:49:25

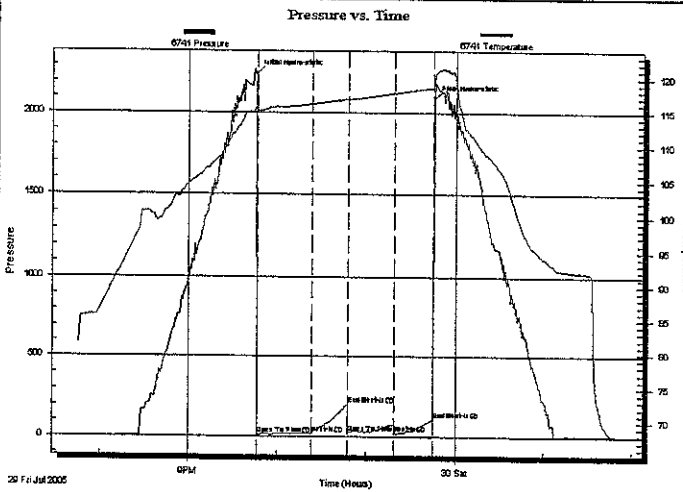
Capacity: 7000.00 psig

Last Calib.: 2005.07.30

Time On Btm: 2005.07.29 @ 21:45:55

Time Off Btm: 2005.07.29 @ 23:45:25

TEST COMMENT: IFP-Weak Surface Blow, Died in 17 Min.
IS-Dead
FFP-Dead
FSI-Dead



PRESSURE SUMMARY

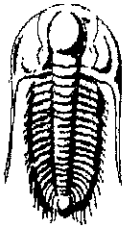
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2244.85 | 115.77 | Initial Hydro-static |
| 1 | 13.62 | 115.32 | Open To Flow (1) |
| 38 | 17.39 | 116.20 | Shut-In(1) |
| 62 | 209.43 | 116.95 | End Shut-In(1) |
| 62 | 23.60 | 116.85 | Open To Flow (2) |
| 93 | 75.58 | 117.79 | Shut-In(2) |
| 119 | 110.31 | 118.62 | End Shut-In(2) |
| 120 | 2090.79 | 119.71 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------|--------------|
| 3.00 | OCM-20%O-80%M | 0.01 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| Choke (inches) | Pressure (psig) | Gas Rate (Mcfd) |
|----------------|-----------------|-----------------|
| | | |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blake Exploration LLC

Gelwicks Trust #1

PO Box 150
Bogue KS 67625

27-11s-33w-Logan

Job Ticket: 22062

DST#: 5

ATTN: Mike Davignon

Test Start: 2005.07.29 @ 19:45:10

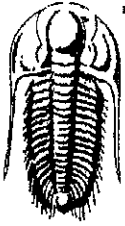
Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3979.00 ft | Diameter: 3.80 inches | Volume: 55.81 bbl | Tool Weight: 2200.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 2.25 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 570.00 ft | Diameter: 2.25 inches | Volume: 2.80 bbl | Weight to Pull Loose: 80000.00 lb |
| | | | <u>Total Volume: 58.61 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 10.00 ft | | | String Weight: Initial 78000.00 lb |
| Depth to Top Packer: | 4560.00 ft | | | Final 78000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 73.00 ft | | | |
| Tool Length: | 94.00 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 | | | 4540.00 | |
| Shut In Tool | 5.00 | | | 4545.00 | |
| Hydraulic tool | 5.00 | | | 4550.00 | |
| Packer | 5.00 | | | 4555.00 | 21.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 4560.00 | |
| Stubb | 1.00 | | | 4561.00 | |
| Perforations | 1.00 | | | 4562.00 | |
| Recorder | 0.00 | 6741 | Inside | 4562.00 | |
| Change Over Sub | 1.00 | | | 4563.00 | |
| Blank Spacing | 31.00 | | | 4594.00 | |
| Change Over Sub | 1.00 | | | 4595.00 | |
| Perforations | 35.00 | | | 4630.00 | |
| Recorder | 0.00 | 13221 | Outside | 4630.00 | |
| Bullnose | 3.00 | | | 4633.00 | 73.00 Bottom Packers & Anchor |

Total Tool Length: 94.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Blake Exploration LLC

Gelwicks Trust #1

PO Box 150
Bogue KS 67625

27-11s-33w-Logan

Job Ticket: 22062

DST#: 5

ATTN: Mike Davignon

Test Start: 2005.07.29 @ 19:45:10

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: 54.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 7.19 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 5200.00 ppm | | | |
| Filter Cake: 2.00 inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---------------|---------------|
| 3.00 | OCM-20%O-80%M | 0.015 |

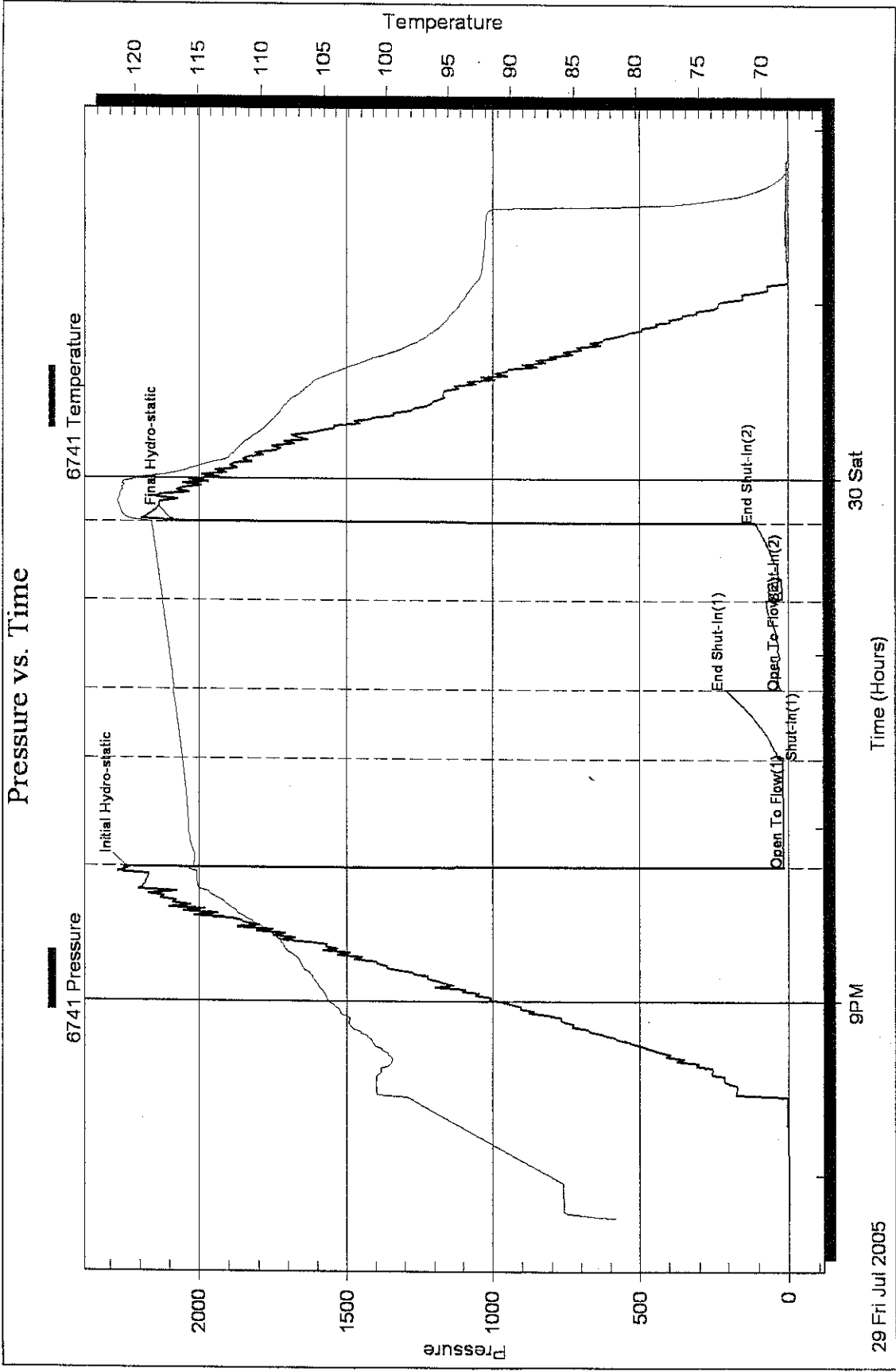
Total Length: 3.00 ft Total Volume: 0.015 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time



29 Fri Jul 2005

9PM

Time (Hours)

30 Sat