



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Larson Engineering
 562 West State Rd 4
 Olmitz KS 67564
 ATTN: Steve Davis

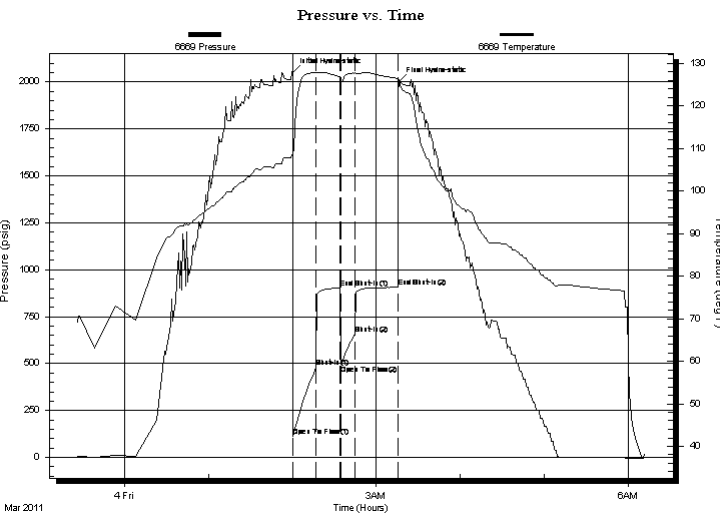
Kim 1-17
17/19/29/Lane Co KS
 Job Ticket: 040693 **DST#: 1**
 Test Start: 2011.03.03 @ 23:26:15

GENERAL INFORMATION:

Formation: **H**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 02:00:30
 Time Test Ended: 06:12:00
Interval: 4152.00 ft (KB) To 4188.00 ft (KB) (TVD)
 Total Depth: 4188.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Mike Roberts
 Unit No: 48
 Reference Elevations: 2854.00 ft (KB)
 2849.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6669 Outside
 Press @ Run Depth: 657.95 psig @ 4183.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.03.03 End Date: 2011.03.04 Last Calib.: 2011.03.04
 Start Time: 23:26:15 End Time: 06:12:00 Time On Btm: 2011.03.04 @ 02:00:15
 Time Off Btm: 2011.03.04 @ 03:16:15

TEST COMMENT: IF:BOB in 2 min.
 IS:No return blow
 FF:BOB in 1 min.
 FS:No return blow



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2050.99 | 108.77 | Initial Hydro-static |
| 1 | 115.13 | 108.82 | Open To Flow (1) |
| 17 | 481.76 | 127.82 | Shut-In(1) |
| 34 | 903.20 | 126.79 | End Shut-In(1) |
| 35 | 493.94 | 126.24 | Open To Flow (2) |
| 45 | 657.95 | 127.74 | Shut-In(2) |
| 76 | 906.13 | 126.50 | End Shut-In(2) |
| 76 | 2001.28 | 126.26 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 1952.00 | sw 100%sw | 26.34 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Engineering

Kim 1-17

562 West State Rd 4
Olmitz KS 67564

17/19/29/Lane Co KS

Job Ticket: 040693

DST#: 1

ATTN: Steve Davis

Test Start: 2011.03.03 @ 23:26:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

19000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 1952.00 | sw 100%sw | 26.343 |

Total Length: 1952.00 ft Total Volume: 26.343 bbl

Num Fluid Samples: 0

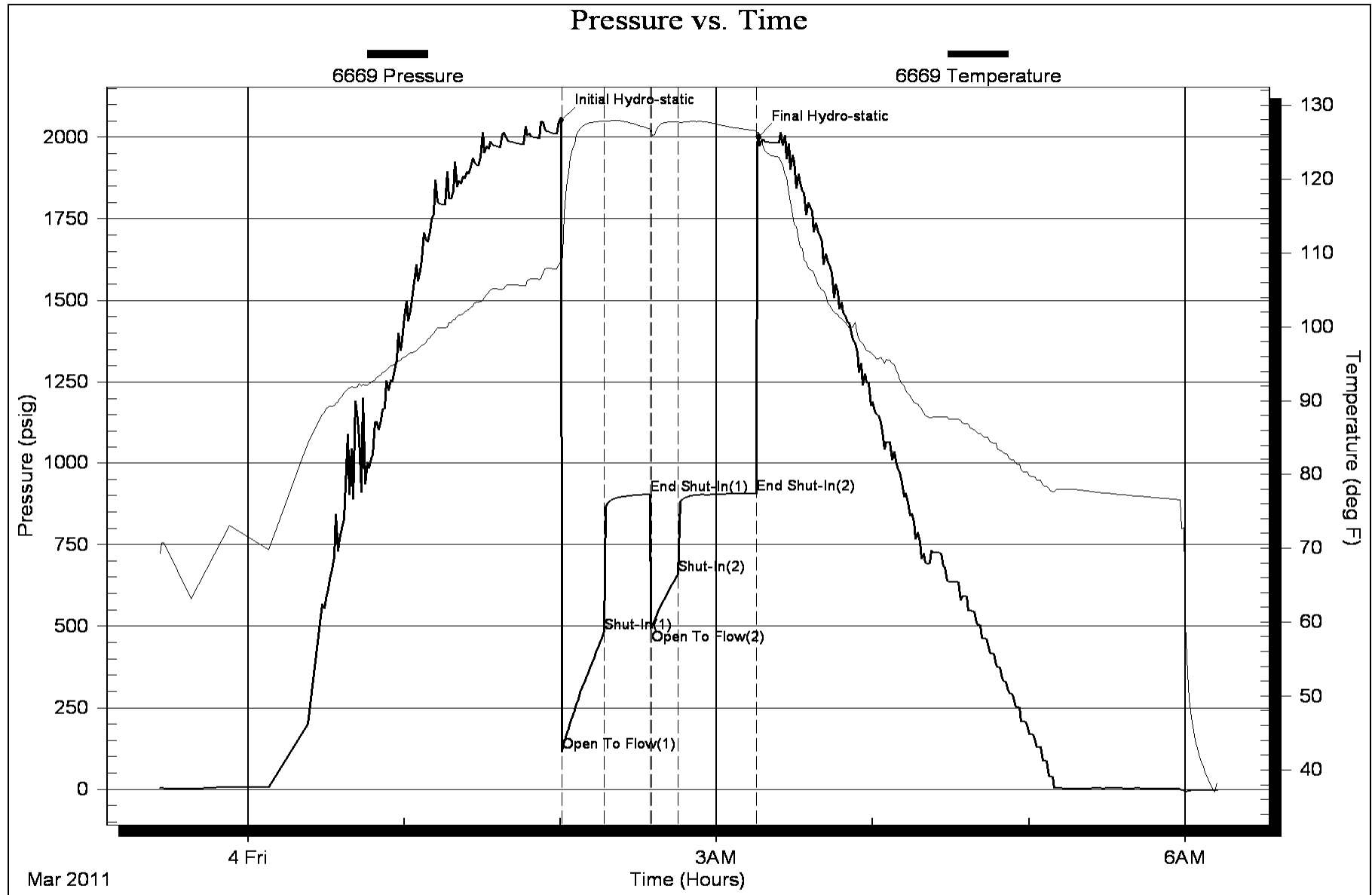
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .369 @ .390 degrees=19,000 ppm





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Larson Engineering
 562 West State Rd 4
 Olmitz KS 67564
 ATTN: Steve Davis

Kim 1-17
17/19/29/Lane Co KS
 Job Ticket: 040694 **DST#: 2**
 Test Start: 2011.03.04 @ 15:20:15

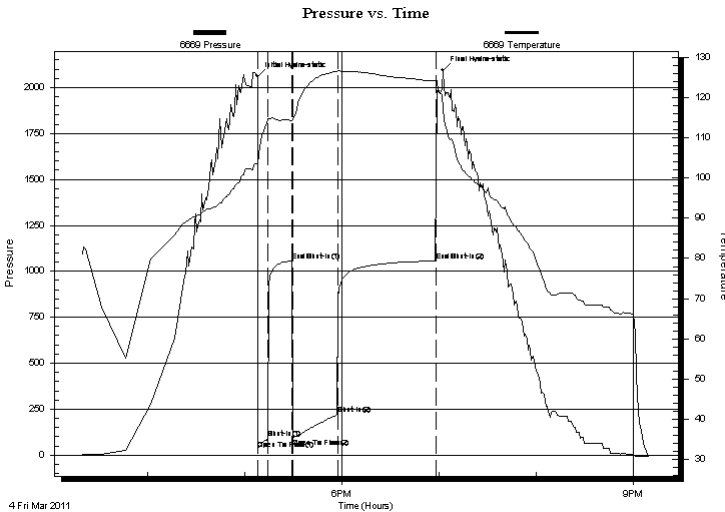
GENERAL INFORMATION:

Formation: **I**
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole**
 Time Tool Opened: **17:08:15** Tester: **Mike Roberts**
 Time Test Ended: **21:10:15** Unit No: **48**
Interval: 4197.00 ft (KB) To 4222.00 ft (KB) (TVD) Reference Elevations: **2854.00 ft (KB)**
 Total Depth: **4222.00 ft (KB) (TVD)** **2849.00 ft (CF)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **5.00 ft**

Serial #: 6669 **Outside**
 Press @ Run Depth: **220.96 psig @ 4228.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2011.03.04** End Date: **2011.03.04** Last Calib.: **2011.03.04**
 Start Time: **15:20:15** End Time: **21:10:15** Time On Btm: **2011.03.04 @ 17:08:00**
 Time Off Btm: **2011.03.04 @ 19:02:15**

TEST COMMENT: IF: Built to 1 1/2" blow
 IS: No return blow
 FF: Built to weak surface bow
 FS: No return blow

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2060.95 | 103.44 | Initial Hydro-static |
| 1 | 31.29 | 103.04 | Open To Flow (1) |
| 7 | 89.48 | 114.64 | Shut-In(1) |
| 22 | 1057.96 | 114.29 | End Shut-In(1) |
| 22 | 93.06 | 114.50 | Open To Flow (2) |
| 50 | 220.96 | 126.60 | Shut-In(2) |
| 110 | 1057.39 | 124.12 | End Shut-In(2) |
| 115 | 2093.31 | 117.13 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------------|--------------|
| 244.00 | sw 100% | 2.38 |
| 216.00 | ocw m 10%o 40%w 50%m | 3.03 |
| 5.00 | Free oil | 0.07 |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Engineering

Kim 1-17

562 West State Rd 4
Olmitz KS 67564

17/19/29/Lane Co KS

Job Ticket: 040694

DST#: 2

ATTN: Steve Davis

Test Start: 2011.03.04 @ 15:20:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

20000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|----------------------|---------------|
| 244.00 | sw 100% | 2.384 |
| 216.00 | ocw m 10%o 40%w 50%m | 3.030 |
| 5.00 | Free oil | 0.070 |

Total Length: 465.00 ft Total Volume: 5.484 bbl

Num Fluid Samples: 0

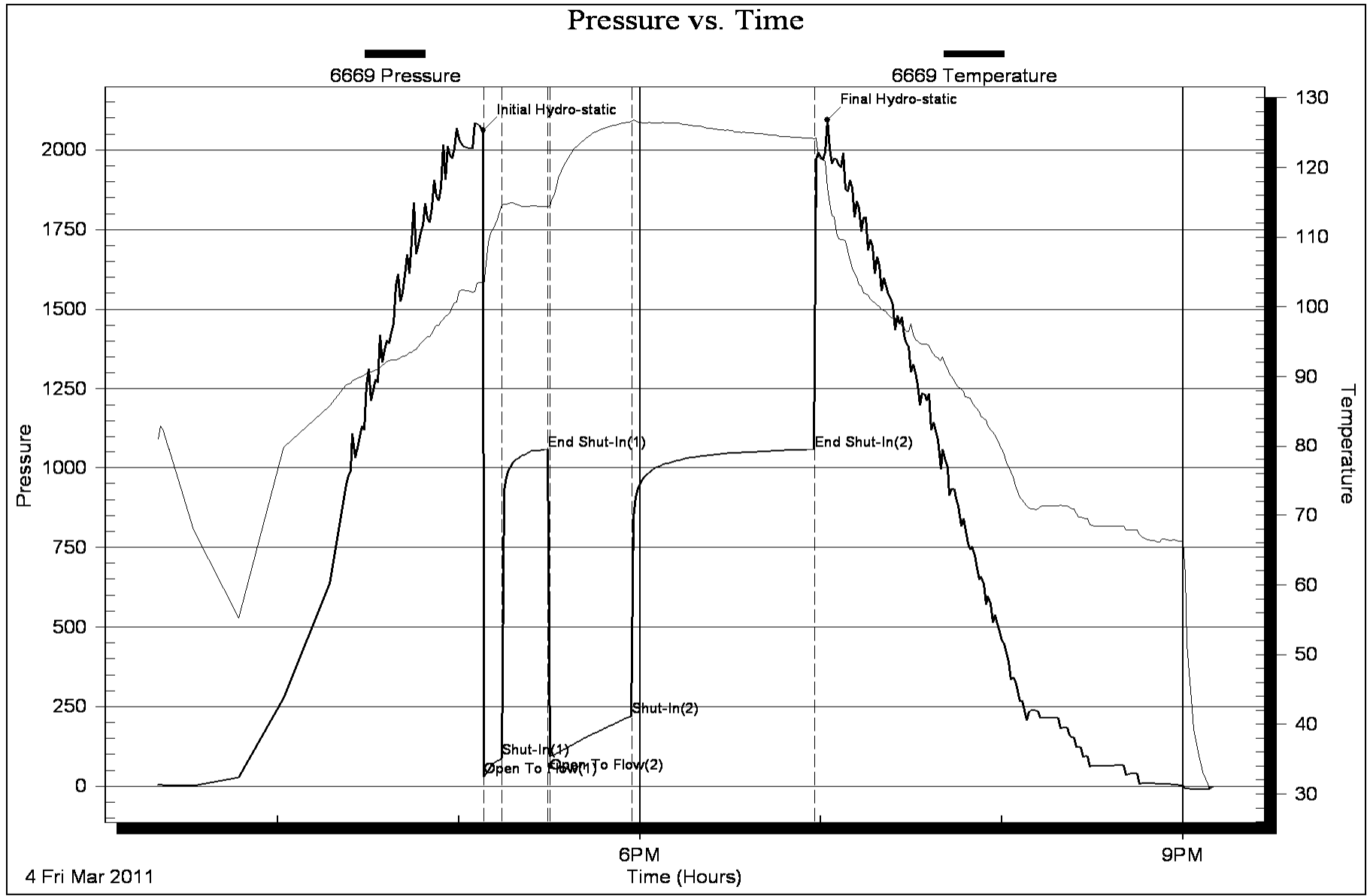
Num Gas Bombs: 0

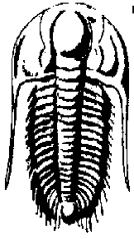
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.372@41 degrees=20,000 ppm





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Larson Engineering
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ATTN: Steve Davis

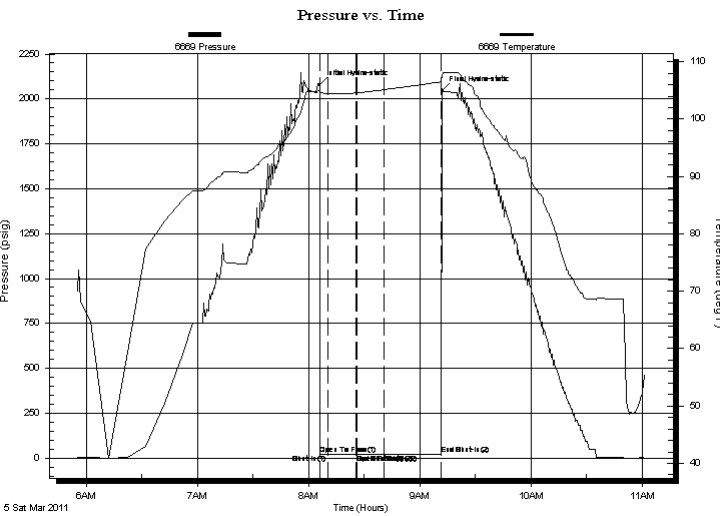
Kim 1-17
17/19/29/Lane Co KS
Job Ticket: 040695 **DST#: 3**
Test Start: 2011.03.05 @ 05:55:15

GENERAL INFORMATION:

Formation: "I"
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:06:00
Time Test Ended: 11:01:15
Interval: **4228.00 ft (KB) To 4245.00 ft (KB) (TVD)**
Total Depth: 4245.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Mike Roberts
Unit No: 48
Reference Elevations: 2854.00 ft (KB)
2849.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6669 Outside
Press @ Run Depth: 18.80 psig @ 4259.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.03.05 End Date: 2011.03.05 Last Calib.: 2011.03.05
Start Time: 05:55:15 End Time: 11:01:15 Time On Btm: 2011.03.05 @ 08:05:45
Time Off Btm: 2011.03.05 @ 09:12:00

TEST COMMENT: IF: Built to a weak surface blow
IS: No return blow
FF: Built to a weak surface blow
FS: No return blow



PRESSURE SUMMARY

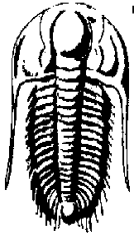
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2077.79 | 104.98 | Initial Hydro-static |
| 1 | 18.40 | 104.32 | Open To Flow (1) |
| 5 | 18.20 | 104.45 | Shut-In(1) |
| 20 | 19.61 | 104.56 | End Shut-In(1) |
| 21 | 18.42 | 104.57 | Open To Flow (2) |
| 35 | 18.80 | 105.13 | Shut-In(2) |
| 66 | 20.50 | 106.47 | End Shut-In(2) |
| 67 | 2048.17 | 107.85 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 5.00 | m 100% m | 0.02 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



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FLUID SUMMARY

Larson Engineering

Kim 1-17

562 West State Rd 4
Olmitz KS 67564

17/19/29/Lane Co KS

Job Ticket: 040695

DST#: 3

ATTN: Steve Davis

Test Start: 2011.03.05 @ 05:55:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 5.00 | m 100% m | 0.025 |

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

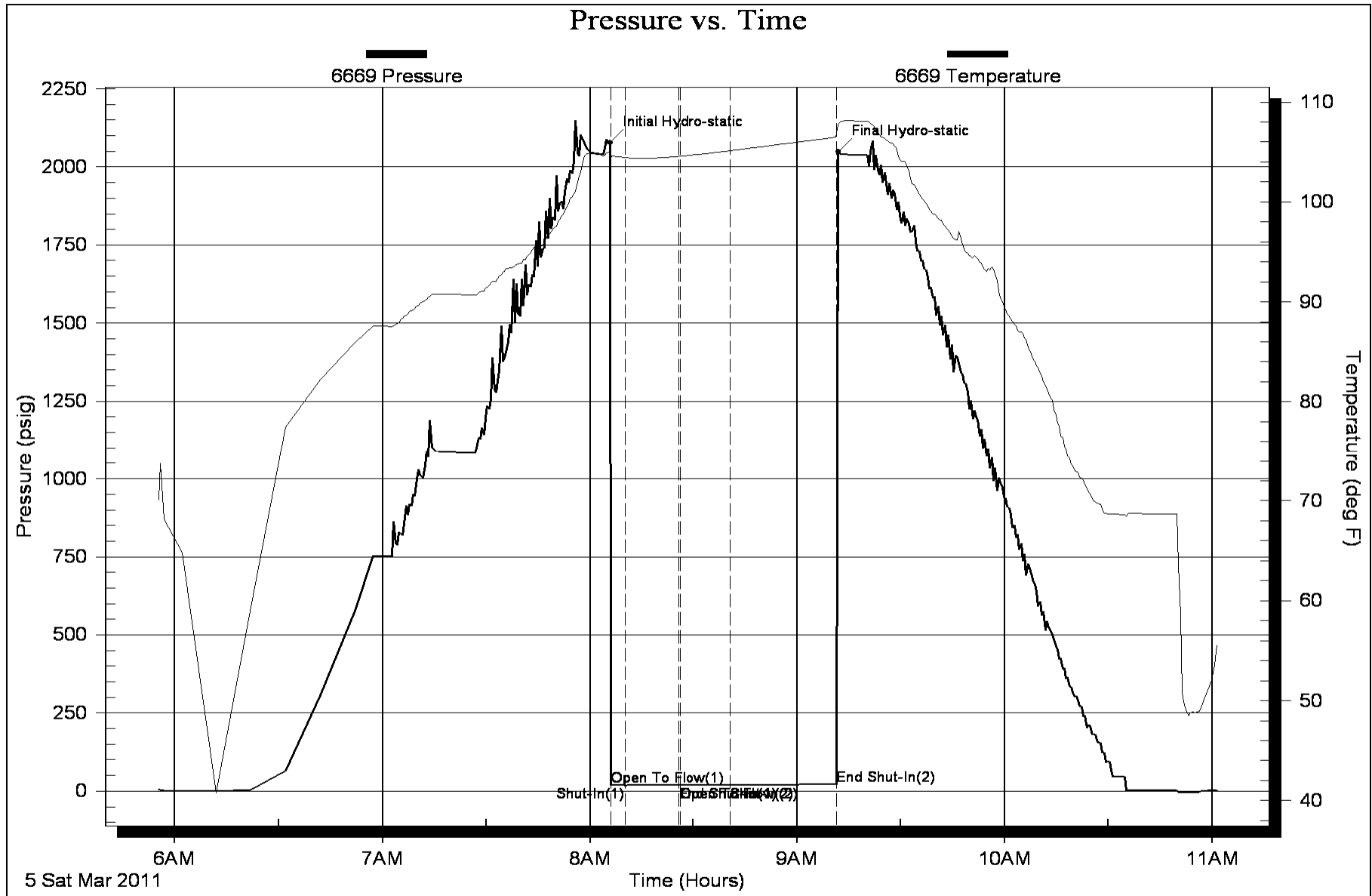
Num Gas Bombs: 0

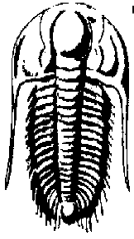
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





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Larson Engineering
562 West State Rd 4
Olmitz KS 67564
ATTN: Steve Davis

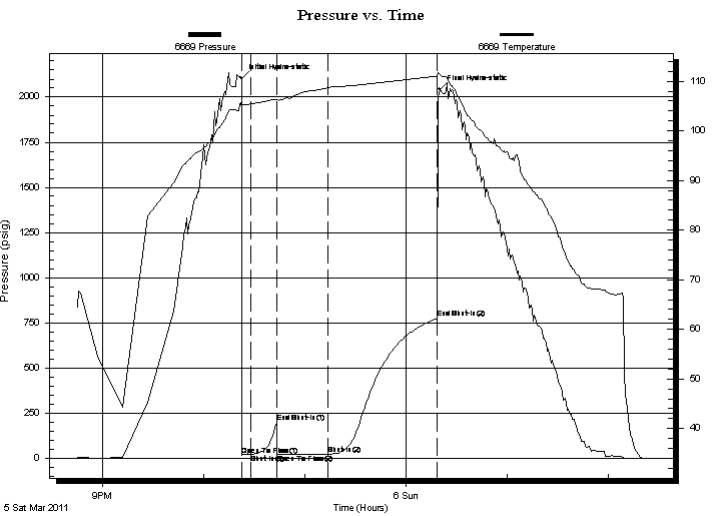
Kim 1-17
17/19/29/Lane Co KS
Job Ticket: 040696 **DST#: 4**
Test Start: 2011.03.05 @ 20:45:15

GENERAL INFORMATION:

Formation: **K**
Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole**
Time Tool Opened: **22:22:30** Tester: **Mike Roberts**
Time Test Ended: **02:21:30** Unit No: **48**
Interval: 4257.00 ft (KB) To 4285.00 ft (KB) (TVD) Reference Elevations: **2854.00 ft (KB)**
Total Depth: **4285.00 ft (KB) (TVD)** **2849.00 ft (CF)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **5.00 ft**

Serial #: 6669 **Outside**
Press @ Run Depth: **19.22 psig @ 4280.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2011.03.05** End Date: **2011.03.06** Last Calib.: **2011.03.06**
Start Time: **20:45:15** End Time: **02:21:30** Time On Btm: **2011.03.05 @ 22:22:15**
Time Off Btm: **2011.03.06 @ 00:19:45**

TEST COMMENT: IF: Built to 1/8" blow
IS: No return blow
FF: Built to weak surface blow then died in 15 min
FS: No return blow



PRESSURE SUMMARY

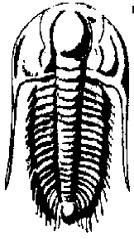
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2103.25 | 105.76 | Initial Hydro-static |
| 1 | 18.30 | 104.98 | Open To Flow (1) |
| 6 | 19.63 | 105.40 | Shut-In(1) |
| 21 | 196.19 | 106.36 | End Shut-In(1) |
| 21 | 19.60 | 106.27 | Open To Flow (2) |
| 52 | 19.22 | 108.71 | Shut-In(2) |
| 117 | 774.67 | 111.03 | End Shut-In(2) |
| 118 | 2043.68 | 111.31 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 5.00 | m 100% m | 0.02 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



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DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Engineering

Kim 1-17

562 West State Rd 4
Olmitz KS 67564

17/19/29/Lane Co KS

Job Ticket: 040696

DST#: 4

ATTN: Steve Davis

Test Start: 2011.03.05 @ 20:45:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 5.00 | m 100% m | 0.025 |

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

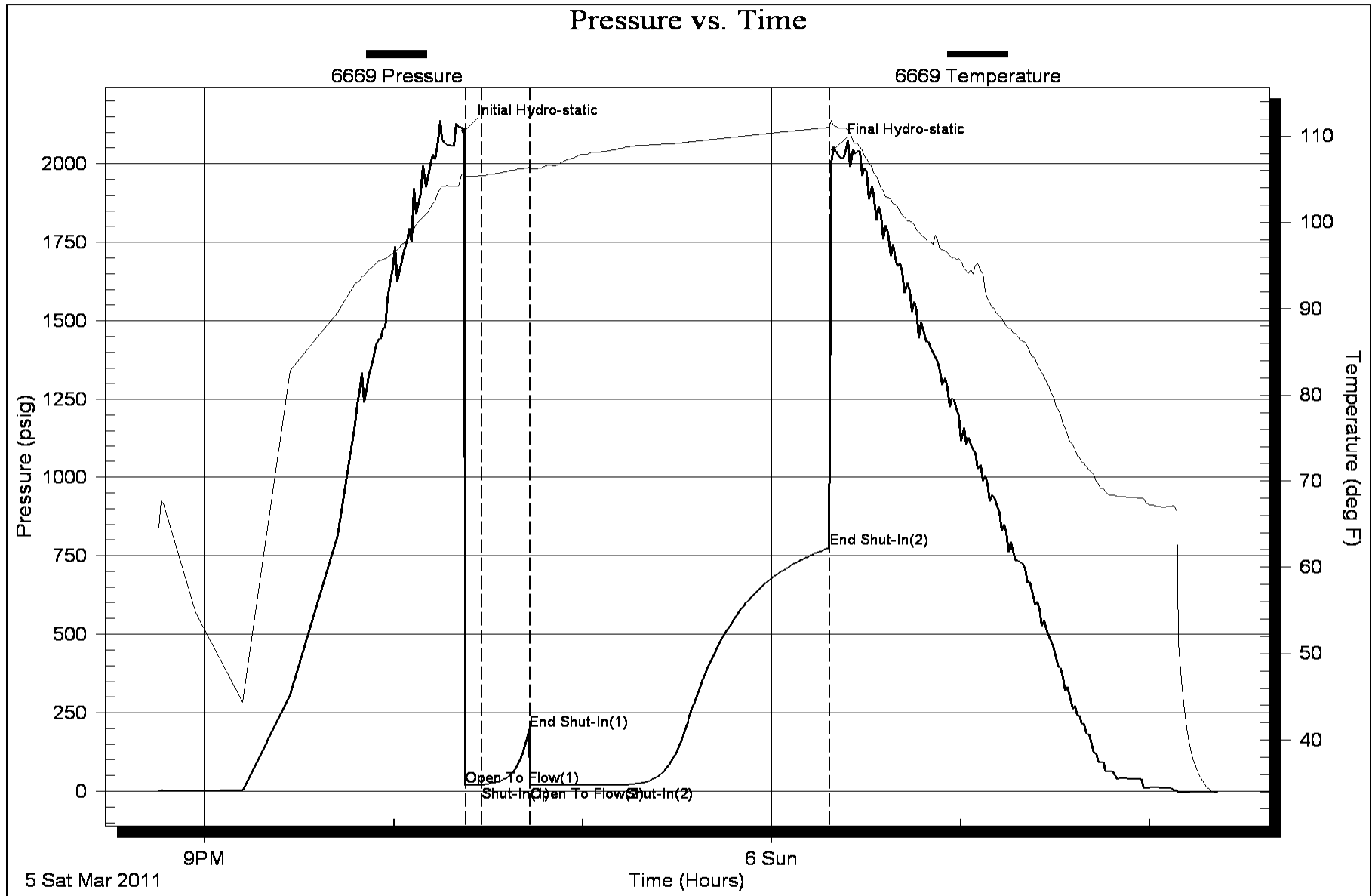
Num Gas Bombs: 0

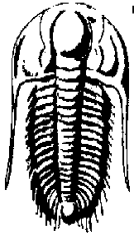
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
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DRILL STEM TEST REPORT

Larson Engineering
562 West State Rd 4
Olmitz KS 67564
ATTN: Steve Davis

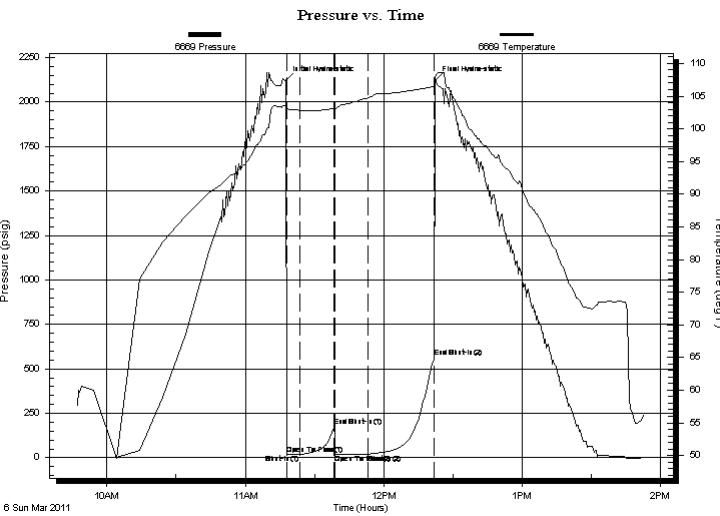
Kim 1-17
17/19/29/Lane Co KS
Job Ticket: 040697 **DST#: 5**
Test Start: 2011.03.06 @ 09:47:15

GENERAL INFORMATION:

Formation: **Middle Creek**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:18:00
Time Test Ended: 13:53:30
Interval: **4291.00 ft (KB) To 4306.00 ft (KB) (TVD)**
Total Depth: 4306.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 2854.00 ft (KB)
2849.00 ft (CF)
KB to GR/CF: 5.00 ft
Test Type: Conventional Bottom Hole
Tester: Mike Roberts
Unit No: 48

Serial #: 6669 Outside
Press @ Run Depth: 19.90 psig @ 4322.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.03.06 End Date: 2011.03.06 Last Calib.: 2011.03.06
Start Time: 09:47:15 End Time: 13:53:30 Time On Btm: 2011.03.06 @ 11:17:45
Time Off Btm: 2011.03.06 @ 12:22:30

TEST COMMENT: IF:Weak surface blow
IS:No return blow
FF:No blow
FS:No return blow



PRESSURE SUMMARY

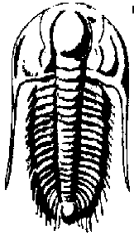
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2119.01 | 103.55 | Initial Hydro-static |
| 1 | 19.93 | 103.03 | Open To Flow (1) |
| 6 | 19.14 | 102.84 | Shut-In(1) |
| 21 | 176.83 | 103.11 | End Shut-In(1) |
| 22 | 20.39 | 103.07 | Open To Flow (2) |
| 36 | 19.90 | 104.74 | Shut-In(2) |
| 65 | 564.46 | 106.50 | End Shut-In(2) |
| 65 | 2118.60 | 107.71 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 5.00 | m 100 % m | 0.02 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



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FLUID SUMMARY

Larson Engineering

Kim 1-17

562 West State Rd 4
Olmitz KS 67564

17/19/29/Lane Co KS

Job Ticket: 040697

DST#: 5

ATTN: Steve Davis

Test Start: 2011.03.06 @ 09:47:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 5.00 | m 100 % m | 0.025 |

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

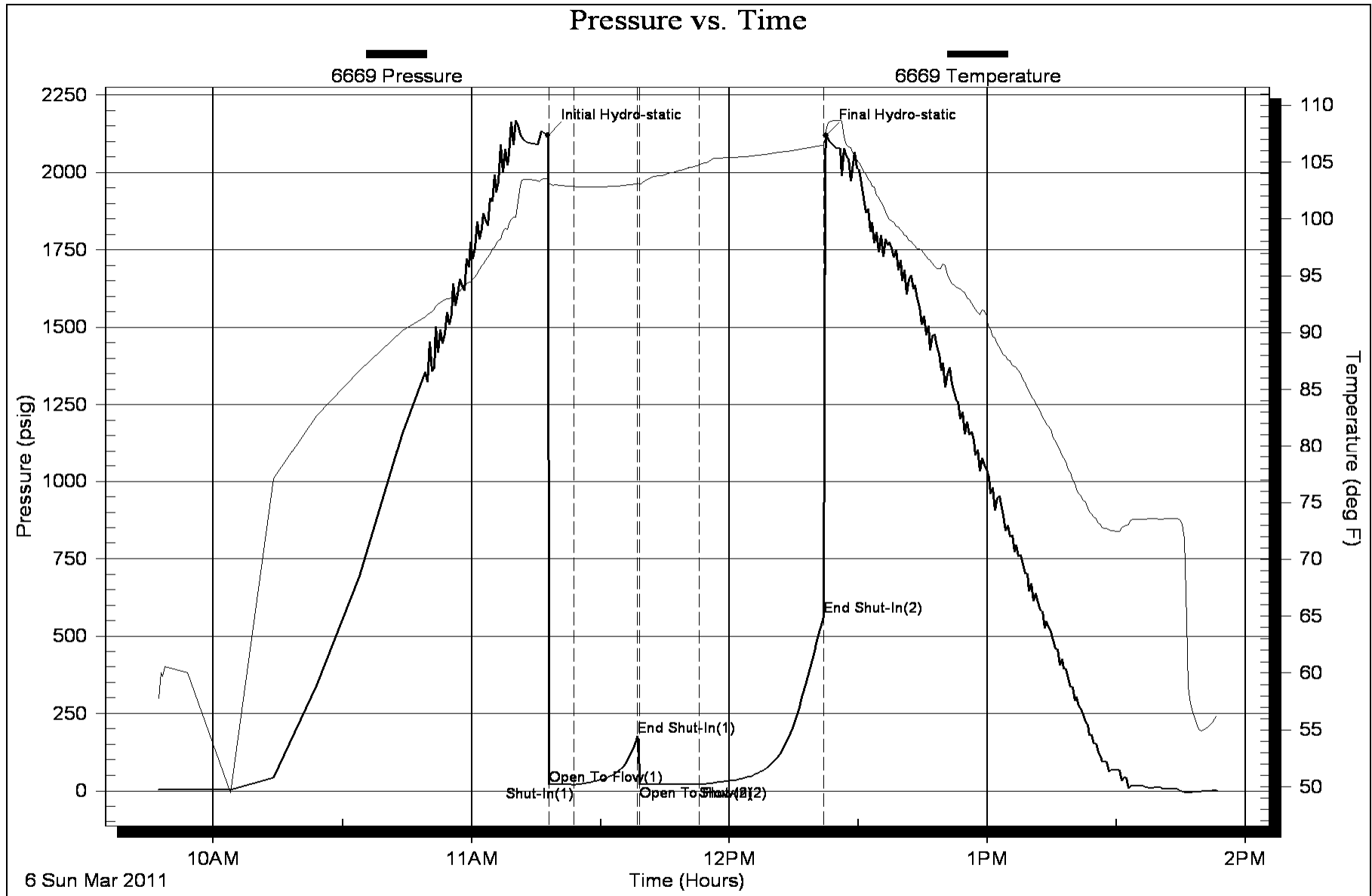
Num Gas Bombs: 0

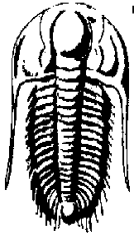
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





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ATTN: Steve Davis

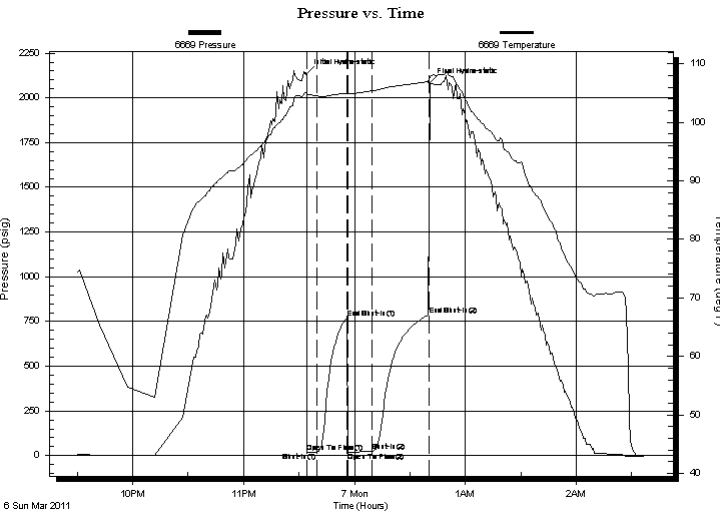
Kim 1-17
17/19/29/Lane Co KS
Job Ticket: 040698 **DST#: 6**
Test Start: 2011.03.06 @ 21:30:15

GENERAL INFORMATION:

Formation: **L**
Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole**
Time Tool Opened: **23:34:15** Tester: **Mike Roberts**
Time Test Ended: **02:37:30** Unit No: **48**
Interval: 4292.00 ft (KB) To 4320.00 ft (KB) (TVD) Reference Elevations: **2854.00 ft (KB)**
Total Depth: **4290.00 ft (KB) (TVD)** **2849.00 ft (CF)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **5.00 ft**

Serial #: 6669 **Outside**
Press @ RunDepth: **21.86 psig @ 4315.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2011.03.06** End Date: **2011.03.07** Last Calib.: **2011.03.07**
Start Time: **21:30:15** End Time: **02:37:30** Time On Btm: **2011.03.06 @ 23:34:00**
Time Off Btm: **2011.03.07 @ 00:40:45**

TEST COMMENT: IF:Weak surface blow
IS:No return blow
FF:No blow
FS:No return blow



PRESSURE SUMMARY

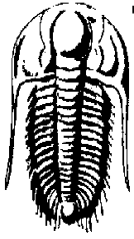
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2133.78 | 105.03 | Initial Hydro-static |
| 1 | 21.24 | 104.61 | Open To Flow (1) |
| 6 | 20.31 | 104.54 | Shut-In(1) |
| 22 | 770.52 | 105.00 | End Shut-In(1) |
| 23 | 21.32 | 104.94 | Open To Flow (2) |
| 36 | 21.86 | 105.42 | Shut-In(2) |
| 67 | 787.63 | 106.98 | End Shut-In(2) |
| 67 | 2082.52 | 107.70 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 5.00 | m 100% m | 0.02 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Engineering

Kim 1-17

562 West State Rd 4
Olmitz KS 67564

17/19/29/Lane Co KS

Job Ticket: 040698

DST#: 6

ATTN: Steve Davis

Test Start: 2011.03.06 @ 21:30:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 5.00 | m 100% m | 0.025 |

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

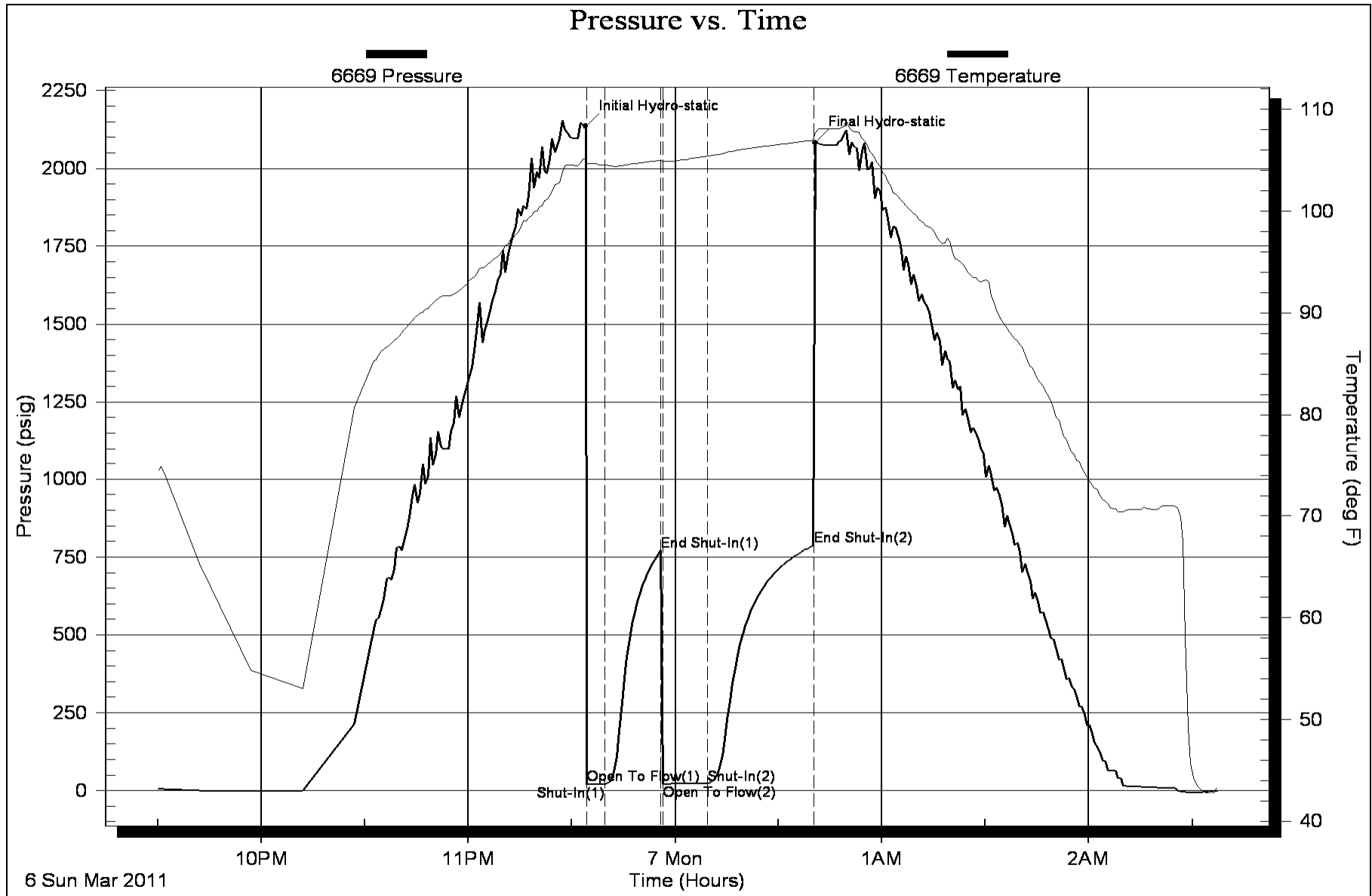
Num Gas Bombs: 0

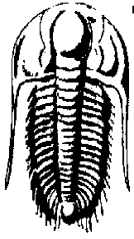
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Larson Engineering
 562 West State Rd 4
 Olmitz KS 67564
 ATTN: Steve Davis

Kim 1-17
17/19/29/Lane KS
 Job Ticket: 040699 **DST#: 7**
 Test Start: 2011.03.07 @ 19:07:15

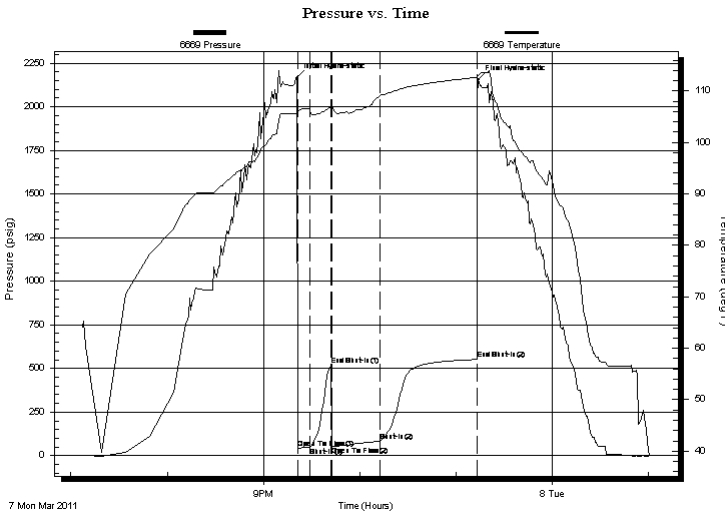
GENERAL INFORMATION:

Formation: **Altamont**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:21:15
 Time Test Ended: 01:00:45
 Interval: **4354.00 ft (KB) To 4410.00 ft (KB) (TVD)**
 Total Depth: 4410.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Mike Roberts
 Unit No: 48
 Reference Elevations: 2854.00 ft (KB)
 2849.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6669 Outside
 Press @ Run Depth: 83.24 psig @ 4405.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.03.07 End Date: 2011.03.08 Last Calib.: 2011.03.08
 Start Time: 19:07:15 End Time: 01:00:45 Time On Btm: 2011.03.07 @ 21:21:00
 Time Off Btm: 2011.03.07 @ 23:13:45

TEST COMMENT: IF: Built too 1" blow
 IS: No return blow
 FF: Built to 8" blow
 FS: No return blow

PRESSURE SUMMARY



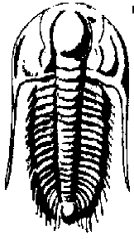
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2165.45 | 105.70 | Initial Hydro-static |
| 1 | 40.87 | 105.00 | Open To Flow (1) |
| 8 | 49.46 | 106.39 | Shut-In(1) |
| 21 | 518.75 | 106.81 | End Shut-In(1) |
| 22 | 53.29 | 106.76 | Open To Flow (2) |
| 52 | 83.24 | 109.11 | Shut-In(2) |
| 112 | 551.96 | 112.66 | End Shut-In(2) |
| 113 | 2152.86 | 112.94 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------------|--------------|
| 120.00 | m w ith oil spots | 0.64 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Engineering

Kim 1-17

562 West State Rd 4
Olmitz KS 67564

17/19/29/Lane KS

Job Ticket: 040699

DST#: 7

ATTN: Steve Davis

Test Start: 2011.03.07 @ 19:07:15

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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------------|---------------|
| 120.00 | m w ith oil spots | 0.645 |

Total Length: 120.00 ft Total Volume: 0.645 bbl

Num Fluid Samples: 0

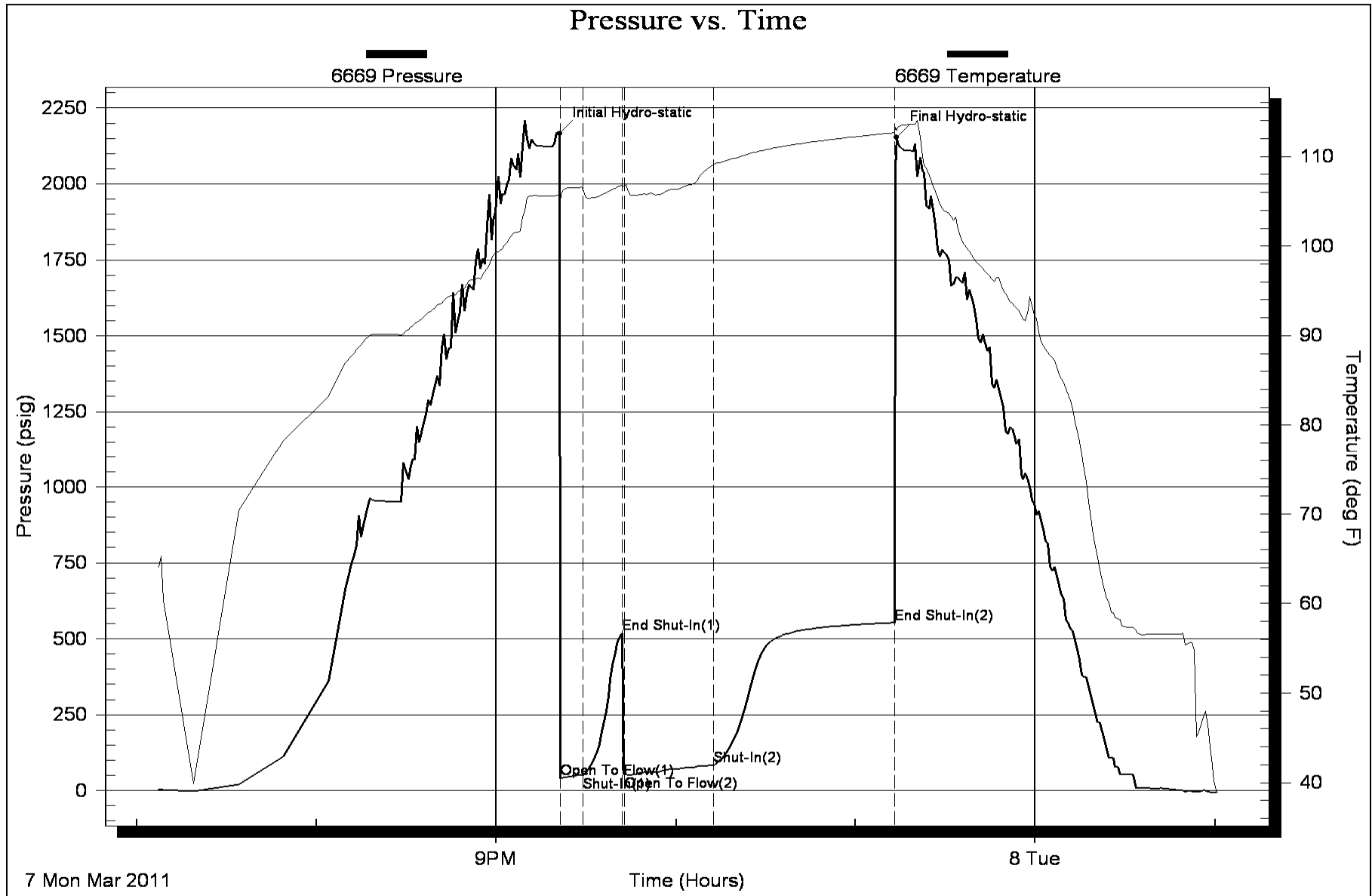
Num Gas Bombs: 0

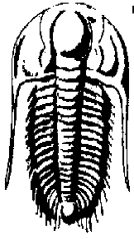
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Larson Engineering
562 West State Rd 4
Olmitz KS 67564
ATTN: Steve Davis

Kim 1-17
17/19/29/Lane Co KS
Job Ticket: 040700 **DST#: 8**
Test Start: 2011.03.08 @ 15:25:15

GENERAL INFORMATION:

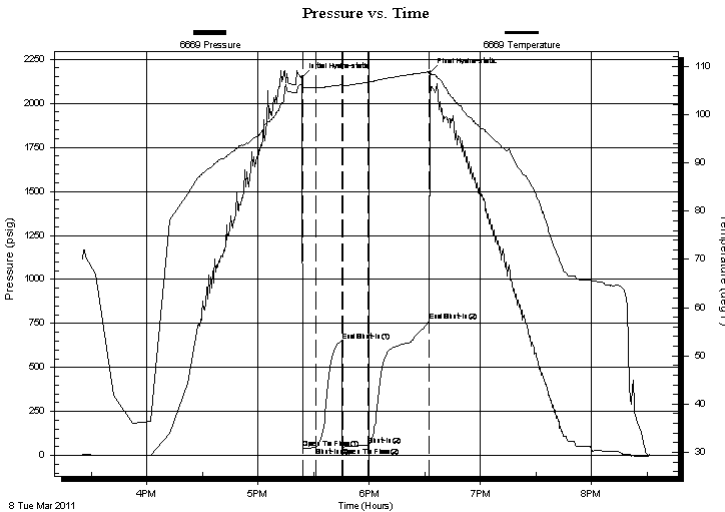
Formation: **Altamont-Pawnee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:24:00
Time Test Ended: 20:31:30
Interval: **4400.00 ft (KB) To 4464.00 ft (KB) (TVD)**
Total Depth: 4464.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 2854.00 ft (KB)
2849.00 ft (CF)
KB to GR/CF: 5.00 ft
Test Type: Conventional Bottom Hole
Tester: Mike Roberts
Unit No: 48

Serial #: 6669 Outside

Press @ Run Depth: 59.29 psig @ 4459.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.03.08 End Date: 2011.03.08 Last Calib.: 2011.03.08
Start Time: 15:25:15 End Time: 20:31:30 Time On Btm: 2011.03.08 @ 17:23:45
Time Off Btm: 2011.03.08 @ 18:32:30

TEST COMMENT: IF: 1/8" blow
IS: No return blow
FF: built to 1/2 blow in 5 min and stayed there
FS: No return blow

PRESSURE SUMMARY



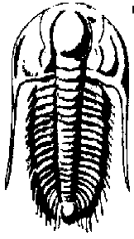
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2146.12 | 106.21 | Initial Hydro-static |
| 1 | 39.98 | 105.85 | Open To Flow (1) |
| 8 | 44.18 | 105.52 | Shut-In(1) |
| 22 | 649.58 | 106.15 | End Shut-In(1) |
| 22 | 47.95 | 105.98 | Open To Flow (2) |
| 36 | 59.29 | 106.73 | Shut-In(2) |
| 69 | 763.70 | 108.90 | End Shut-In(2) |
| 69 | 2172.58 | 109.16 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------|--------------|
| 70.00 | ocm 40%o 60%m | 0.34 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Engineering

Kim 1-17

562 West State Rd 4
Olmitz KS 67564

17/19/29/Lane Co KS

Job Ticket: 040700

DST#: 8

ATTN: Steve Davis

Test Start: 2011.03.08 @ 15:25:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---------------|---------------|
| 70.00 | ocm 40%o 60%m | 0.344 |

Total Length: 70.00 ft Total Volume: 0.344 bbl

Num Fluid Samples: 0

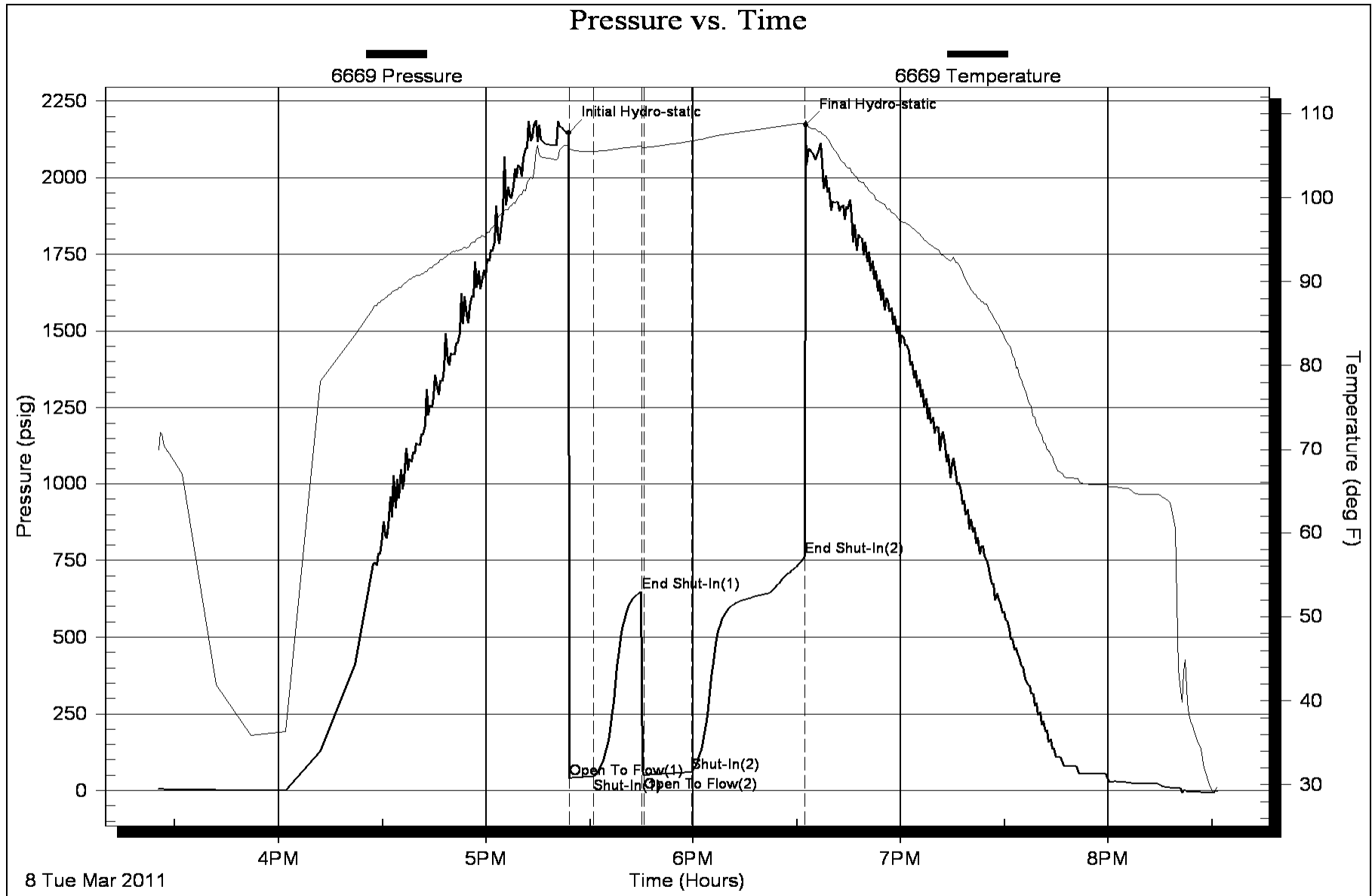
Num Gas Bombs: 0

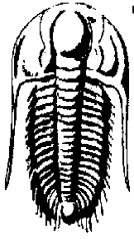
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Larson Engineering
562 West State Rd 4
Olmitz KS 67564
ATTN: Steve Davis

Kim 1-17
17/19/29/Lane Co KS
Job Ticket: 42151 **DST#: 9**
Test Start: 2011.03.09 @ 13:12:15

GENERAL INFORMATION:

Formation: **Pawnee, MyRick Stati**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:12:15

Time Test Ended: 20:23:45

Test Type: Conventional Bottom Hole

Tester: Mike Roberts

Unit No: 48

Interval: 4462.00 ft (KB) To 4572.00 ft (KB) (TVD)

Reference Elevations: 2854.00 ft (KB)

Total Depth: 4572.00 ft (KB) (TVD)

2849.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6669 Outside

Press @ Run Depth: 184.74 psig @ 4567.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.03.09

End Date: 2011.03.09

Last Calib.: 2011.03.09

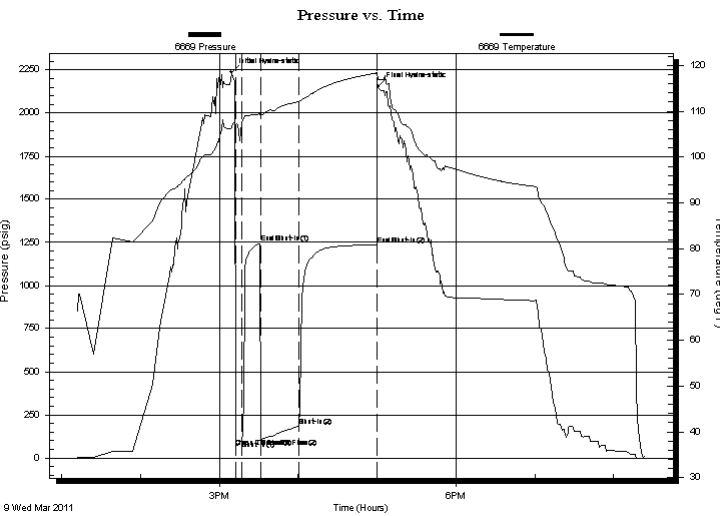
Start Time: 13:12:15

End Time: 20:23:45

Time On Btm: 2011.03.09 @ 15:09:15

Time Off Btm: 2011.03.09 @ 17:01:00

TEST COMMENT: IF: Built to 4" blow
IS: No return blow
FF: BOB in 10 min.
FS: No return blow



PRESSURE SUMMARY

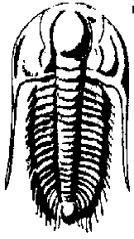
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2236.19 | 106.43 | Initial Hydro-static |
| 3 | 63.12 | 107.13 | Open To Flow (1) |
| 8 | 103.04 | 107.67 | Shut-In(1) |
| 22 | 1244.60 | 109.40 | End Shut-In(1) |
| 23 | 111.23 | 109.12 | Open To Flow (2) |
| 51 | 184.74 | 112.15 | Shut-In(2) |
| 111 | 1237.54 | 118.37 | End Shut-In(2) |
| 112 | 2153.97 | 116.88 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------------|--------------|
| 306.00 | gcom 10%g 30%o 60%m | 3.25 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Engineering

Kim 1-17

562 West State Rd 4
Olmitz KS 67564

17/19/29/Lane Co KS

Job Ticket: 42151

DST#: 9

ATTN: Steve Davis

Test Start: 2011.03.09 @ 13:12:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---------------------|---------------|
| 306.00 | gcom 10%g 30%o 60%m | 3.254 |

Total Length: 306.00 ft Total Volume: 3.254 bbl

Num Fluid Samples: 0

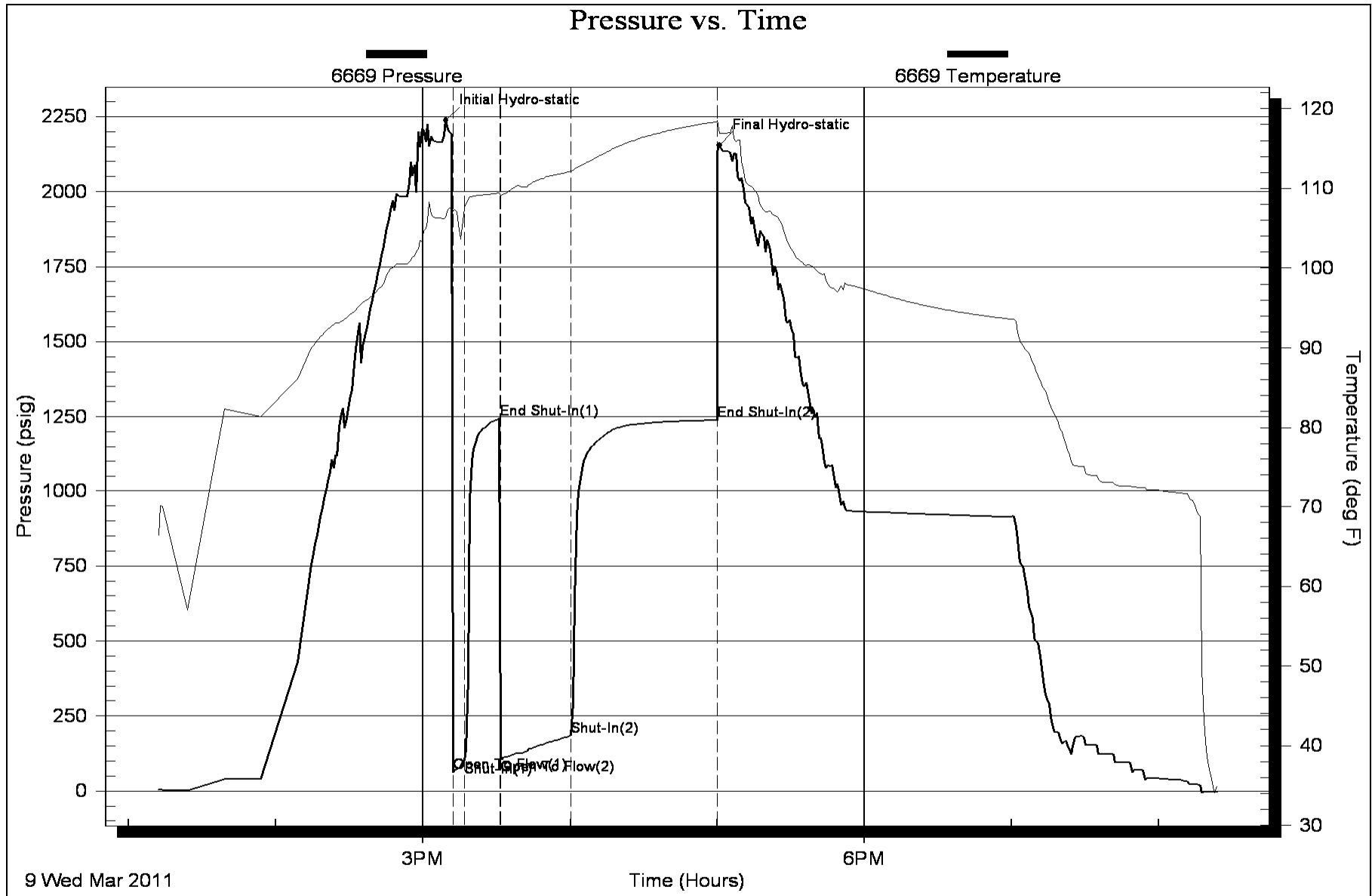
Num Gas Bombs: 0

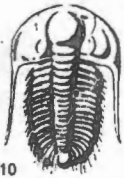
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAR 14 2011

Test Ticket

NO. 040693 15511

Well Name & No. Kim #1-17 Test No. 1 Date 3-3-11
 Company LARSON Engineering Elevation 2854 KB 2849 GL
 Address 562 W. State Rd 4 Olmitz KS 67564
 Co. Rep / Geo. Steve DAVIS Rig HD 3
 Location: Sec. 17 Twp. 19 Rge. 29 Co. Lane State KS

Interval Tested 4152-4188 Zone Tested "H"
 Anchor Length 36' Drill Pipe Run 4034 Mud Wt. 9.0
 Top Packer Depth 4148 Drill Collars Run 114 Vis 49
 Bottom Packer Depth 4152 Wt. Pipe Run Ø WL 6.8
 Total Depth 4188 Chlorides 1400 ppm System LCM .5

Blow Description IF: BOB 2 MIN
IS: NO Return Blow
FF: BOB IN 1 MIN
FS: NO Return Blow

| Rec | Feet of | %gas | %oil | %water | %mud |
|-------------|-----------|------|------------|--------|------|
| <u>1952</u> | <u>SW</u> | | <u>100</u> | | |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

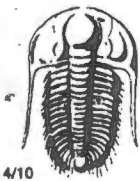
Rec Total 1952 BHT 126 Gravity 1 API RW .369 @ 390 °F Chlorides 19,000 ppm

| | | |
|-------------------------------------|---|--|
| (A) Initial Hydrostatic <u>2050</u> | <input checked="" type="checkbox"/> Test <u>1225.00</u> | T-On Location <u>10:15</u> |
| (B) First Initial Flow <u>115</u> | <input checked="" type="checkbox"/> Jars <u>250.00</u> | T-Started <u>11:26</u> |
| (C) First Final Flow <u>481</u> | <input checked="" type="checkbox"/> Safety Joint <u>75.00</u> | T-Open <u>02:00</u> |
| (D) Initial Shut-In <u>903</u> | <input checked="" type="checkbox"/> Circ Sub <u>50.00</u> | T-Pulled <u>03:15</u> |
| (E) Second Initial Flow <u>493</u> | <input type="checkbox"/> Hourly Standby | T-Out <u>06:12</u> |
| (F) Second Final Flow <u>657</u> | <input type="checkbox"/> Mileage <u>50 RT=62.50</u> | Comments |
| (G) Final Shut-In <u>906</u> | <input type="checkbox"/> Sampler | |
| (H) Final Hydrostatic <u>2601</u> | <input type="checkbox"/> Straddle | <input type="checkbox"/> Ruined Shale Packer |
| | <input type="checkbox"/> Shale Packer | <input type="checkbox"/> Ruined Packer |
| | <input type="checkbox"/> Extra Packer | <input type="checkbox"/> Extra Copies |
| | <input type="checkbox"/> Extra Recorder | Sub Total <u>Ø</u> |
| | <input type="checkbox"/> Day Standby | Total <u>1662.50</u> |
| | <input type="checkbox"/> Accessibility | MP/DST Disc't |
| | Sub Total <u>1662.50</u> | |

Initial Open 15
 Initial Shut-In 15
 Final Flow 15
 Final Shut-In 30

Approved By _____ Our Representative Mike Roberts

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAR 14 2011

Test Ticket

NO. 040694

Well Name & No. Kim # 1-17 Test No. 2 Date 3-4-11
 Company LARSON Engineering Elevation 2854 KB 2849 GL
 Address 562 W. State Rd 4 Olmitz KS 67564
 Co. Rep / Geo. Steve Davis Rig HD #3
 Location: Sec. 17 Twp. 19 Rge. 29 Co. LANE State KS

Interval Tested 4197-4222 Zone Tested "I"
 Anchor Length 25' Drill Pipe Run 4060 Mud Wt. 9.1
 Top Packer Depth 4193 Drill Collars Run 120 Vis 47
 Bottom Packer Depth 4197 Wt. Pipe Run Ø WL 7.6
 Total Depth 4222 Chlorides 2100 ppm System LCM 1

Blow Description IF: Built to 1 1/2" Blow
IS: No Return Blow
FF: Built to weak surface Blow
FS: No Return Blow

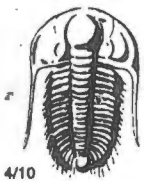
| Rec | Feet of | %gas | %oil | %water | %mud |
|------------|-----------------|------------|-----------|-----------|------|
| <u>5</u> | <u>Free Oil</u> | <u>100</u> | | | |
| <u>216</u> | <u>OCWM</u> | <u>10</u> | <u>40</u> | <u>50</u> | |
| <u>244</u> | <u>SW</u> | | | | |
| | | | | | |
| | | | | | |

Rec Total 460 BHT 124 Gravity 1 API RW 372 @ .41 °F Chlorides 20,000 ppm
 (A) Initial Hydrostatic 2060 Test \$1225.00 T-On Location 13:40
 (B) First Initial Flow 31 Jars \$250.00 T-Started 15:20
 (C) First Final Flow 89 Safety Joint \$75.00 T-Open 17:07
 (D) Initial Shut-In 1057 Circ Sub NC T-Pulled 18:57
 (E) Second Initial Flow 93 Hourly Standby _____ T-Out 21:10
 (F) Second Final Flow 220 Mileage 50 RT = \$62.50 Comments _____
 (G) Final Shut-In 1057 Sampler _____
 (H) Final Hydrostatic 2093 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total _____
 Day Standby _____ Total _____
 Accessibility _____ MP/DST Disc't _____

Initial Open 5
 Initial Shut-In 15
 Final Flow 30
 Final Shut-In 60
 Sub Total \$1612.50/-

Approved By St D. Our Representative Mike Roberts

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAR 14 2011

Test Ticket

NO. 040695

Well Name & No. Kim # 1-17 Test No. 3 Date 3-5-11
 Company LARSON Engineering Elevation 2854 KB 2849 GL
 Address 562 W. State Rd Olmitz KS 67564
 Co. Rep / Geo. Steve DAVIS Rig HD #3
 Location: Sec. 17 Twp. 19 Rge. 29 Co. LANE State KS

Interval Tested 4228-4245 Zone Tested "5"
 Anchor Length 17' Drill Pipe Run 4094 Mud Wt. 9.1
 Top Packer Depth 4224 Drill Collars Run 120 Vis 47
 Bottom Packer Depth 4228 Wt. Pipe Run Ø WL 7.6
 Total Depth 4245 Chlorides 2100 ppm System LCM 1

Blow Description IF: Weak surface Blow
IS: No Return Blow
FF: Weak surface Blow
FS: No Return Blow

| Rec | Feet of | %gas | %oil | %water | %mud |
|----------|----------|------|------|------------|------|
| <u>5</u> | <u>M</u> | | | <u>100</u> | |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 5 BHT 106 Gravity / API RW / @ / °F Chlorides / ppm

| | | |
|-------------------------------------|--|--|
| (A) Initial Hydrostatic <u>2077</u> | <input checked="" type="checkbox"/> Test <u>1225.00</u> | T-On Location <u>05:00</u> |
| (B) First Initial Flow <u>18</u> | <input checked="" type="checkbox"/> Jars <u>250.00</u> | T-Started <u>05:55</u> |
| (C) First Final Flow <u>18</u> | <input checked="" type="checkbox"/> Safety Joint <u>75.00</u> | T-Open <u>08:06</u> |
| (D) Initial Shut-In <u>19</u> | <input checked="" type="checkbox"/> Circ Sub <u>NL</u> | T-Pulled <u>09:11</u> |
| (E) Second Initial Flow <u>18</u> | <input type="checkbox"/> Hourly Standby | T-Out <u>11:01</u> |
| (F) Second Final Flow <u>18</u> | <input checked="" type="checkbox"/> Mileage <u>50 RT = 02.50/-</u> | Comments |
| (G) Final Shut-In <u>20</u> | <input type="checkbox"/> Sampler | |
| (H) Final Hydrostatic <u>2048</u> | <input type="checkbox"/> Straddle | <input type="checkbox"/> Ruined Shale Packer |
| | <input type="checkbox"/> Shale Packer | <input type="checkbox"/> Ruined Packer |
| Initial Open <u>5</u> | <input type="checkbox"/> Extra Packer | <input type="checkbox"/> Extra Copies |
| Initial Shut-In <u>15</u> | <input type="checkbox"/> Extra Recorder | Sub Total <u>Ø</u> |
| Final Flow <u>15</u> | <input type="checkbox"/> Day Standby | Total <u>1612.50</u> |
| Final Shut-In <u>30</u> | <input type="checkbox"/> Accessibility | MP/DST Disc't |
| | Sub Total <u>#1612.50/-</u> | |

Approved By _____ Our Representative Mike Polak

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 040696

4/10

Well Name & No. Kim #1-17 Test No. 4 Date 3-8-11
 Company LARSON Engineering Elevation 2854 KB 2849 GL
 Address 562 W. ~~State~~ State Rd 4 Olmitz KS 67564
 Co. Rep / Geo. Steve DAVIS Rig HD #3
 Location: Sec. 17 Twp. 19 Rge. 29 Co. LANE State KS

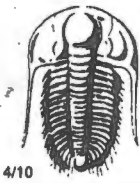
Interval Tested 4257-4285 Zone Tested K
 Anchor Length 28 Drill Pipe Run 4125 Mud Wt. 9.2
 Top Packer Depth 4253 Drill Collars Run 120 Vis 49
 Bottom Packer Depth ~~4285~~ 4257 Wt. Pipe Run Ø WL 7.6
 Total Depth 4285 Chlorides 2100 ppm System LCM 1
 Blow Description IF: Built to 1/8" Blow
IS: NO Return Blow
FF: Built to weak surface + Ditch in 15 min
FS: NO Return Blow

| Rec | Feet of | %gas | %oil | %water | %mud |
|----------|----------|------|------|------------|------|
| <u>5</u> | <u>M</u> | | | <u>100</u> | |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 5 BHT 111 Gravity / API RW / @ / °F Chlorides / ppm

| | | |
|-------------------------------------|---|--|
| (A) Initial Hydrostatic <u>2103</u> | <input checked="" type="checkbox"/> Test <u>1225</u> | T-On Location <u>20:00</u> |
| (B) First Initial Flow <u>18</u> | <input checked="" type="checkbox"/> Jars <u>250</u> | T-Started <u>20:45</u> |
| (C) First Final Flow <u>19</u> | <input checked="" type="checkbox"/> Safety Joint <u>75</u> | T-Open <u>22:22</u> |
| (D) Initial Shut-In <u>196</u> | <input checked="" type="checkbox"/> Circ Sub <u>NC</u> | T-Pulled <u>12:13</u> |
| (E) Second Initial Flow <u>19</u> | <input type="checkbox"/> Hourly Standby | T-Out <u>02:21</u> |
| (F) Second Final Flow <u>19</u> | <input checked="" type="checkbox"/> Mileage <u>570 RT = 62.5%</u> | Comments |
| (G) Final Shut-In <u>774</u> | <input type="checkbox"/> Sampler | |
| (H) Final Hydrostatic <u>2043</u> | <input type="checkbox"/> Straddle | <input type="checkbox"/> Ruined Shale Packer |
| | <input type="checkbox"/> Shale Packer | <input type="checkbox"/> Ruined Packer |
| Initial Open <u>5</u> | <input type="checkbox"/> Extra Packer | <input type="checkbox"/> Extra Copies |
| Initial Shut-In <u>15</u> | <input type="checkbox"/> Extra Recorder | Sub Total <u>Ø</u> |
| Final Flow <u>30</u> | <input type="checkbox"/> Day Standby | Total <u>1612.50</u> |
| Final Shut-In <u>60</u> | <input type="checkbox"/> Accessibility | MP/DST Disc't |
| | Sub Total <u>1612.50</u> | |

Approved By [Signature] Our Representative _____
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

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MAR 14 2011

Test Ticket

NO. 040697

Well Name & No. Kim #1-17 Test No. 5 Date 3-6-11
 Company LARSON Engineering Elevation 2854 KB 2849 GL
 Address 562 W State Rd 4th Olmitz KS 67564
 Co. Rep / Geo. Steve Davis Rig HD 3
 Location: Sec. 17 Twp. 19 Rge. 29 Co. LANE State KS

Interval Tested 4291-4306 Zone Tested Middle Creek
 Anchor Length 15' Drill Pipe Run 4155 Mud Wt. 9.3
 Top Packer Depth 4287 Drill Collars Run 120 Vis 49
 Bottom Packer Depth 4291 Wt. Pipe Run Ø WL 6.4
 Total Depth 4306 Chlorides 2100 ppm System LCM 1
 Blow Description IF: Weak Surface Blow
IS: No Return Blow
FF: No Blow
FS: No Return Blow

| Rec | Feet of | %gas | %oil | %water | %mud |
|----------|----------|------|------|------------|------|
| <u>5</u> | <u>m</u> | | | <u>100</u> | |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 5 BHT 106 Gravity 1 API RW 1 @ 1 ° F Chlorides 1 ppm

| | | |
|-------------------------------------|---|--|
| (A) Initial Hydrostatic <u>2119</u> | <input checked="" type="checkbox"/> Test <u>\$225.00</u> | T-On Location <u>09:25</u> |
| (B) First Initial Flow <u>19</u> | <input checked="" type="checkbox"/> Jars <u>\$250.00</u> | T-Started <u>09:47</u> |
| (C) First Final Flow <u>19</u> | <input checked="" type="checkbox"/> Safety Joint <u>75.00</u> | T-Open <u>11:18</u> |
| (D) Initial Shut-In <u>176</u> | <input checked="" type="checkbox"/> Circ Sub <u>N/C</u> | T-Pulled <u>12:22</u> |
| (E) Second Initial Flow <u>20</u> | <input type="checkbox"/> Hourly Standby | T-Out |
| (F) Second Final Flow <u>19</u> | <input checked="" type="checkbox"/> Mileage <u>SDRT = \$62.50</u> | Comments |
| (G) Final Shut-In <u>564</u> | <input type="checkbox"/> Sampler | |
| (H) Final Hydrostatic <u>2118</u> | <input type="checkbox"/> Straddle | <input type="checkbox"/> Ruined Shale Packer |
| | <input type="checkbox"/> Shale Packer | <input type="checkbox"/> Ruined Packer |
| Initial Open <u>5</u> | <input type="checkbox"/> Extra Packer | <input type="checkbox"/> Extra Copies |
| Initial Shut-In <u>15</u> | <input type="checkbox"/> Extra Recorder | Sub Total <u>Ø</u> |
| Final Flow <u>15</u> | <input type="checkbox"/> Day Standby | Total <u>1612.50</u> |
| Final Shut-In <u>30</u> | <input type="checkbox"/> Accessibility | MP/DST Disc't |
| | Sub Total <u>\$1612.50/-</u> | |

Approved By SA Os Our Representative _____

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MAR 14 2011

Test Ticket

NO. 040698

Well Name & No. Kim #1-17 Test No. 6 Date 3-6-11
 Company Larson Engineering Elevation 2854 KB 2849 GL
 Address 562 W State Rd 4 Olmitz KS 67564
 Co. Rep / Geo. Steve DAVIS Rig HD #3
 Location: Sec. 17 Twp. 19 Rge. 29 Co. LANE State KS

Interval Tested 4292-4320 Zone Tested L
 Anchor Length ~~28~~ 28' Drill Pipe Run 4120 Mud Wt. 9.3
 Top Packer Depth ~~33~~ 4288 Drill Collars Run 120 Vis 51
 Bottom Packer Depth 4292 Wt. Pipe Run 0 WL 2.2
 Total Depth 4320 Chlorides 2100 ppm System LCM 1

Blow Description IF: Weak Surface Blow
IS: No Return Blow
FF: No Blow
FS: No Return Blow

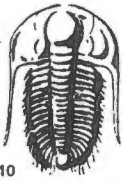
| Rec | Feet of | %gas | %oil | %water | %mud |
|-----|---------|------|------|--------|------|
| 5 | M | | | 100 | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Rec Total 5 BHT 106 Gravity 1 API RW 1 @ 1 °F Chlorides 1 ppm

| | | |
|-------------------------------------|--|--|
| (A) Initial Hydrostatic <u>2133</u> | <input checked="" type="checkbox"/> Test <u>\$1225.00</u> | T-On Location <u>20:30</u> |
| (B) First Initial Flow <u>21</u> | <input checked="" type="checkbox"/> Jars <u>\$250.00</u> | T-Started <u>21:30</u> |
| (C) First Final Flow <u>20</u> | <input checked="" type="checkbox"/> Safety Joint <u>\$75.00</u> | T-Open <u>23:35</u> |
| (D) Initial Shut-In <u>770</u> | <input checked="" type="checkbox"/> Circ Sub <u>NL</u> | T-Pulled <u>12:40</u> |
| (E) Second Initial Flow <u>21</u> | <input type="checkbox"/> Hourly Standby | T-Out <u>02:37</u> |
| (F) Second Final Flow <u>21</u> | <input checked="" type="checkbox"/> Mileage <u>50 RT = \$62.50</u> | Comments |
| (G) Final Shut-In <u>787</u> | <input type="checkbox"/> Sampler | |
| (H) Final Hydrostatic <u>2082</u> | <input type="checkbox"/> Straddle | <input type="checkbox"/> Ruined Shale Packer |
| | <input type="checkbox"/> Shale Packer | <input type="checkbox"/> Ruined Packer |
| Initial Open <u>5</u> | <input type="checkbox"/> Extra Packer | <input type="checkbox"/> Extra Copies |
| Initial Shut-In <u>15</u> | <input type="checkbox"/> Extra Recorder | Sub Total <u>0</u> |
| Final Flow <u>15</u> | <input type="checkbox"/> Day Standby | Total <u>1412.50</u> |
| Final Shut-In <u>30</u> | <input type="checkbox"/> Accessibility | MP/DST Disc't |
| | Sub Total <u>\$1612.50</u> | |

Approved By _____ Our Representative [Signature]

TriLOBite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRIBOLITE TESTING INC.

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Test Ticket

NO. 040699

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MAR 14 2011

Well Name & No. Kim # 1-17 BY: _____ Test No. 7 Date 3-7-11
 Company LARSON Engineering Elevation 2854 KB 2849 GL
 Address 562 W. State Rd 4 Olmitz KS 67564
 Co. Rep / Geo. Steve DAVIS Rig HD #3
 Location: Sec. 17 Twp. 19 Rge. 29 Co. LANE State KS

Interval Tested 4354-4410 Zone Tested Altomont
 Anchor Length 56' Drill Pipe Run 4242 Mud Wt. 9.4
 Top Packer Depth 4352 Drill Collars Run 120 Vis 49
 Bottom Packer Depth 4354 Wt. Pipe Run Ø WL 7.6
 Total Depth 4410 Chlorides 2300 ppm System LCM 1

Blow Description IF: Built to 1" Blow
FS: No Return Blow
FF: Built to 8" Blow
FS: No Return Blow

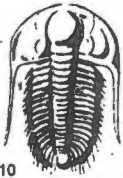
| Rec | Feet of | %gas | %oil | %water | %mud |
|------------|-------------------------|------|------|--------|------|
| <u>120</u> | <u>M with oil spots</u> | | | | |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 120 BHT 112 Gravity 1 API RW 1 @ 1 ° F Chlorides 1 ppm
 (A) Initial Hydrostatic 2165 Test \$1225.00 T-On Location ~~19:07~~ 18:52
 (B) First Initial Flow 40 Jars \$250.00 T-Started 19:07
 (C) First Final Flow 49 Safety Joint \$75.00 T-Open ~~18:27~~ 21:10
 (D) Initial Shut-In 518 Circ Sub NC T-Pulled 23:12
 (E) Second Initial Flow 53 Hourly Standby _____ T-Out 01:00
 (F) Second Final Flow 83 Mileage 50 RT = 62.50/- Comments _____
 (G) Final Shut-In 551 Sampler _____
 (H) Final Hydrostatic 2152 Straddle _____
 Shale Packer 250.00 Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 5
 Initial Shut-In 15
 Final Flow 30
 Final Shut-In 60
 Sub Total 1862.50
 Total 1862.50
 MP/DST Disc't _____

Approved By _____ Our Representative Mike Rohan

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAR 14 2011
BY: _____

Test Ticket

NO. 040700

Well Name & No. Kim #1-17 Test No. 8 Date 3-8-11
 Company Larson Engineering Elevation 2854 KB 2849 GL
 Address 562 W. State Rd 4° Olmitz KS 67564
 Co. Rep / Geo. Steve DAVIS Rig HD#3
 Location: Sec. 17 Twp. 19 Rge. 29 Co. LANE State KS

Interval Tested 4400-4464 Zone Tested Altamont - Pawnee
 Anchor Length 64 Drill Pipe Run 4277 Mud Wt. 9.4
 Top Packer Depth 4396 Drill Collars Run 120 Vis 49
 Bottom Packer Depth 4400 Wt. Pipe Run Ø WL 7.4
 Total Depth 4464 Chlorides 2300 ppm System LCM 6

Blow Description IF: 1/8" Blow
IS: No Return Blow
FF: Built to 1/2" Blow in 5 min And Staged Here
FS: No Return Blow

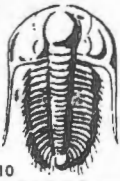
| Rec | Feet of | %gas | %oil | %water | %mud |
|-----------|------------|-----------|------|-----------|------|
| <u>70</u> | <u>DCM</u> | <u>40</u> | | <u>60</u> | |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 20 BHT 108 Gravity 1 API RW 1 @ 1 ° F Chlorides 1 ppm
 (A) Initial Hydrostatic 2146 Test 1225.00 T-On Location 15:00
 (B) First Initial Flow 39 Jars 250.00 T-Started 15:25
 (C) First Final Flow 44 Safety Joint 25.00 T-Open 17:25
 (D) Initial Shut-In 649 Circ Sub NC T-Pulled 18:30
 (E) Second Initial Flow 47 Hourly Standby _____ T-Out 20:31
 (F) Second Final Flow 59 Mileage 50 = 62.50/- Comments _____
 (G) Final Shut-In 763 Sampler _____
 (H) Final Hydrostatic 2172 Straddle _____ Ruined Shale Packer _____
 Shale Packer 250.00/- Ruined Packer _____

Initial Open 5 Extra Packer _____ Extra Copies _____
 Initial Shut-In 15 Extra Recorder _____ Sub Total Ø
 Final Flow 15 Day Standby _____ Total 1862.50
 Final Shut-In 30 Accessibility _____ MP/DST Disc't _____
 Sub Total 1862.50/-

Approved By St Ds Our Representative Mate Bolatz

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 042151

MAR 14 2011

Well Name & No. Kim #1-17 Test No. 9 Date 3-9-11
 Company Larson Engineering Elevation 2854 KB 2849 GL
 Address 562 W State Rd 4 Olmitz KS 67564
 Co. Rep / Geo. Steve DAVIS Rig HD #3
 Location: Sec. 17 Twp. 19 Rge. 29 Co. LANE State KS

Interval Tested 4462-4572 Zone Tested Pawnee, Myrick Station, Cherokee, Johnson
 Anchor Length 110' Drill Pipe Run 4337 Mud Wt. 9.3
 Top Packer Depth 4458 Drill Collars Run 120 Vis 53
 Bottom Packer Depth 4462 Wt. Pipe Run 6 WL 7.2
 Total Depth 4572 Chlorides 2100 ppm System LCM 2

Blow Description IF: Built to 4" Blow
IS: No Return Blow
FF: BOB in 10 Min
FS: No Return Blow

| Rec | Feet of | %gas | %oil | %water | %mud |
|------------|-------------|------------|-----------|-----------|----------|
| <u>306</u> | <u>gcom</u> | <u>100</u> | <u>30</u> | <u>60</u> | <u>0</u> |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |
| Rec | Feet of | %gas | %oil | %water | %mud |

Rec Total 306 BHT 118 Gravity 1 API RW 1 @ 1 °F Chlorides 1 ppm

| | | |
|-------------------------------------|--|----------------------------|
| (A) Initial Hydrostatic <u>2236</u> | <input checked="" type="checkbox"/> Test <u>1225.00</u> | T-On Location <u>12:25</u> |
| (B) First Initial Flow <u>63</u> | <input checked="" type="checkbox"/> Jars <u>250.00</u> | T-Started <u>13:12</u> |
| (C) First Final Flow <u>103</u> | <input checked="" type="checkbox"/> Safety Joint <u>75.00</u> | T-Open <u>15:11</u> |
| (D) Initial Shut-In <u>1244</u> | <input checked="" type="checkbox"/> Circ Sub <u>NX</u> | T-Pulled <u>17:00</u> |
| (E) Second Initial Flow <u>111</u> | <input type="checkbox"/> Hourly Standby | T-Out <u>20:23</u> |
| (F) Second Final Flow <u>184</u> | <input checked="" type="checkbox"/> Mileage <u>50 RT = 62.50</u> | Comments |
| (G) Final Shut-In <u>1237</u> | <input type="checkbox"/> Sampler <u>125</u> | |
| (H) Final Hydrostatic <u>2153</u> | <input type="checkbox"/> Straddle | |

Initial Open 5 Shale Packer 250.00 Ruined Shale Packer
 Initial Shut-In 15 Extra Packer Ruined Packer
 Final Flow 30 Extra Recorder Extra Copies
 Final Shut-In 60 Day Standby Sub Total 8
 Sub Total 1925 Accessibility Total 1925
 MP/DST Disc't

Approved By [Signature] Our Representative [Signature]

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