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TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy**

150 N. Main,Suite 801
Wichita, Ks 67202

ORIGINAL

ATTN: Abercrombie Energy

**18-12-33 Logan,Ks**

**Bouziden #2-18**

Start Date: 2004.01.10 @ 14:01:01
End Date: 2004.01.10 @ 22:16:29
Job Ticket #: 17767 DST #: 1

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

ORIGINAL 101076

# DRILL STEM TEST REPORT

Abercrombie Energy

150 N. Main,Suite 801
Wichita, Ks 67202

ATTN: Abercrombie Energy

**Bouziden #2-18**

**18-12-33 Logan,Ks**

Job Ticket: 17767 **DST#: 1**

Test Start: 2004.01.10 @ 14:01:01

## GENERAL INFORMATION:

Formation: **KC**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:07:59
Time Test Ended: 22:16:29

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Test Type: Conventional Bottom Hole
Tester: Shane McBride
Unit No: 25

**Interval: 4025.00 ft (KB) To 4075.00 ft (KB) (TVD)**
Total Depth: 4075.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

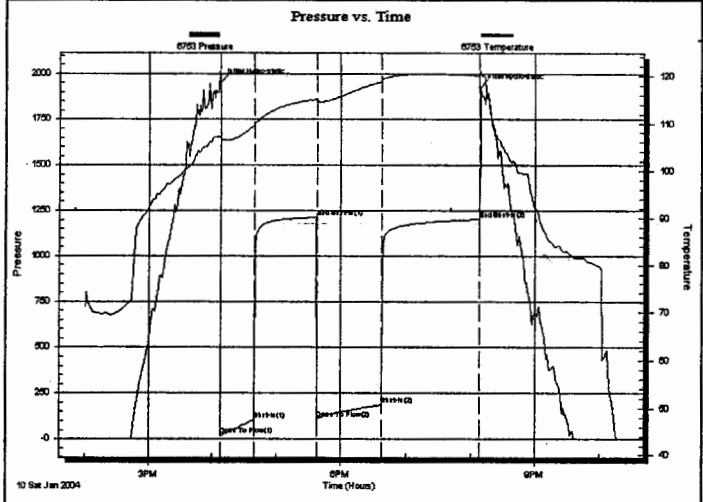
Reference Elevations: 3143.00 ft (KB)
3133.00 ft (CF)
KB to GR/CF: 10.00 ft

**Serial #: 6753** **Inside**
Press@RunDepth: 189.09 psig @ 4026.00 ft (KB)
Start Date: 2004.01.10 End Date: 2004.01.10
Start Time: 14:01:01 End Time: 22:16:29

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2004.01.10 @ 16:07:44
Time Off Btm: 2004.01.10 @ 20:08:59

TEST COMMENT: 1/2"in. @ open built to 5"in.
No return
Surface blow in 4 min. built to 3 1/2"in.
No return

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## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---|---|---|---|
| 0 | 1949.20 | 107.09 | Initial Hydro-static |
| 1 | 19.51 | 105.88 | Open To Flow (1) |
| 32 | 104.98 | 109.55 | Shut-In(1) |
| 90 | 1213.54 | 115.07 | End Shut-In(1) |
| 91 | 110.20 | 114.74 | Open To Flow (2) |
| 150 | 189.09 | 118.80 | Shut-In(2) |
| 241 | 1202.96 | 120.03 | End Shut-In(2) |
| 242 | 1927.68 | 120.53 | Final Hydro-static |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 242.00 | w ater 100%w | 1.19 |
| 128.00 | m c w 40%m 60%w | 1.80 |
| | | |
| | | |
| | | |
| | | |

## Gas Rates

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

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TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Abercrombie Energy

150 N. Main,Suite 801
Wichita, Ks 67202

ATTN: Abercrombie Energy

**Bouziden #2-18**

**18-12-33 Logan,Ks**

Job Ticket: 17767 **DST#: 1**

Test Start: 2004.01.10 @ 14:01:01

## Tool Information

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Drill Pipe: | Length: | 3784.00 ft | Diameter: | 3.80 inches | Volume: | 53.08 bbl | Tool Weight: | | 1500.00 lb |
| Heavy Wt. Pipe: | Length: | 0.00 ft | Diameter: | 0.00 inches | Volume: | 0.00 bbl | Weight set on Packer: | | 30000.00 lb |
| Drill Collar: | Length: | 242.00 ft | Diameter: | 2.25 inches | Volume: | 1.19 bbl | Weight to Pull Loose: | | 85000.00 lb |
| | | | | | Total Volume: | 54.27 bbl | Tool Chased | | 0.00 ft |
| Drill Pipe Above KB: | | 21.00 ft | | | | | String Weight: | Initial | 64000.00 lb |
| Depth to Top Packer: | | 4025.00 ft | | | | | | Final | 66000.00 lb |
| Depth to Bottom Packer: | | ft | | | | | | | |
| Interval between Packers: | | 50.00 ft | | | | | | | |
| Tool Length: | | 70.00 ft | | | | | | | |
| Number of Packers: | | 2 | Diameter: | 6.75 inches | | | | | |

Tool Comments:

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| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths | |
|---|---|---|---|---|---|---|
| Change Over Sub | 1.00 | | | 4006.00 | | |
| Shut In Tool | 5.00 | | | 4011.00 | | |
| Hydraulic tool | 5.00 | | | 4016.00 | | |
| Packer | 5.00 | | | 4021.00 | 20.00 | Bottom Of Top Packer |
| Packer | 4.00 | | | 4025.00 | | |
| Stubb | 1.00 | | | 4026.00 | | |
| Recorder | 0.00 | 6753 | Inside | 4026.00 | | |
| Perforations | 11.00 | | | 4037.00 | | |
| Change Over Sub | 1.00 | | | 4038.00 | | |
| Drill Pipe | 31.00 | | | 4069.00 | | |
| Change Over Sub | 1.00 | | | 4070.00 | | |
| Recorder | 0.00 | 11058 | Outside | 4070.00 | | |
| Bullnose | 5.00 | | | 4075.00 | 50.00 | Bottom Packers & Anchor |
| **Total Tool Length:** | **70.00** | | | | | |

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TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Abercrombie Energy

150 N. Main,Suite 801
Wichita, Ks 67202

ATTN: Abercrombie Energy

**Bouziden #2-18**

**18-12-33 Logan,Ks**

Job Ticket: 17767 **DST#: 1**

Test Start: 2004.01.10 @ 14:01:01

## 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: | 29500 ppm |
| Viscosity: | 49.00 sec/qt | Cushion Volume: | bbl | | |
| Water Loss: | 7.13 in³ | Gas Cushion Type: | | | |
| Resistivity: | 0.00 ohm.m | Gas Cushion Pressure: | psig | | |
| Salinity: | 3700.00 ppm | | | | |
| Filter Cake: | 1.00 inches | | | | |

## Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|---|---|---|
| 242.00 | water 100%w | 1.190 |
| 128.00 | mcw 40%m60%w | 1.796 |

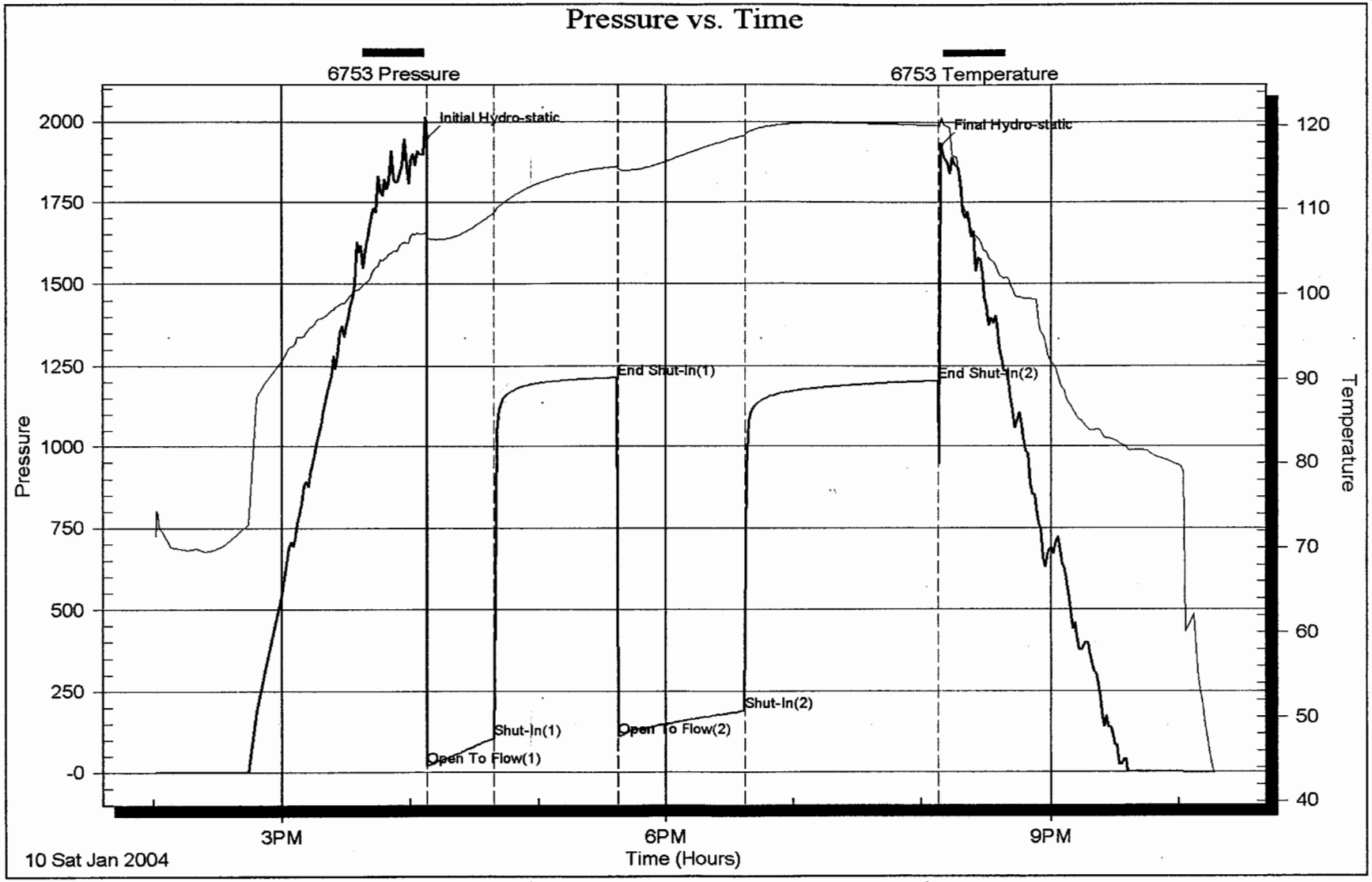
Total Length: 370.00 ft Total Volume: 2.986 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

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TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy**

150 N. Main,Suite 801
Wichita, Ks 67202

ATTN: Abercrombie Energy

**18-12-33 Logan,Ks**

**Bouziden #2-18**

Start Date: 2004.01.11 @ 07:48:49
End Date: 2004.01.11 @ 13:39:32
Job Ticket #: 17768 DST #: 2

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

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# DRILL STEM TEST REPORT

Abercrombie Energy

150 N. Main,Suite 801
Wichita, Ks 67202

ATTN: Abercrombie Energy

**Bouziden #2-18**

**18-12-33 Logan,Ks**

Job Ticket: 17768 **DST#: 2**

Test Start: 2004.01.11 @ 07:48:49

## GENERAL INFORMATION:

Formation: **C-D**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:02:47
Time Test Ended: 13:39:32

**Interval: 4076.00 ft (KB) To 4120.00 ft (KB) (TVD)**
Total Depth: 4120.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

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Test Type: Conventional Bottom Hole
Tester: Shane McBride
Unit No: 25

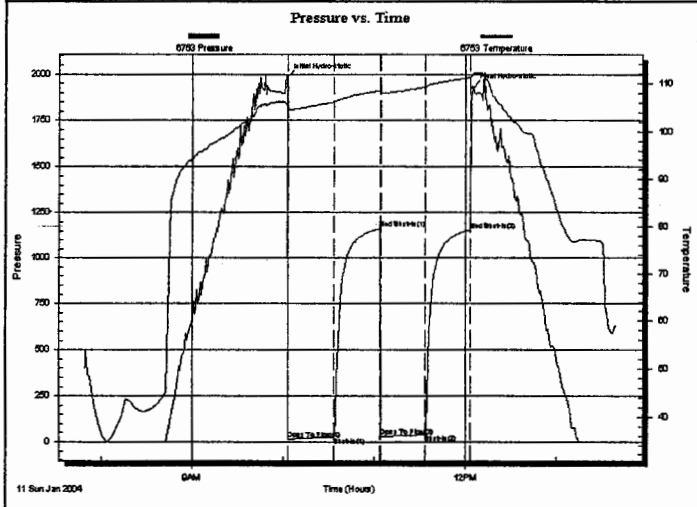
Reference Elevations: 3143.00 ft (KB)
3133.00 ft (CF)
KB to GR/CF: 10.00 ft

**Serial #: 6753** **Inside**

Press@RunDepth: 41.75 psig @ 4077.00 ft (KB)
Start Date: 2004.01.11 End Date: 2004.01.11
Start Time: 07:48:49 End Time: 13:39:32

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2004.01.11 @ 10:02:32
Time Off Btm: 2004.01.11 @ 12:04:32

TEST COMMENT: Weak blow died in 20 min.
No return
Weak blow died in 13 min.
No return




## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---|---|---|---|
| 0 | 1984.21 | 105.36 | Initial Hydro-static |
| 1 | 15.82 | 104.77 | Open To Flow (1) |
| 31 | 28.93 | 106.17 | Shut-In(1) |
| 62 | 1162.68 | 108.45 | End Shut-In(1) |
| 62 | 30.35 | 107.94 | Open To Flow (2) |
| 91 | 41.75 | 109.21 | Shut-In(2) |
| 121 | 1155.48 | 111.20 | End Shut-In(2) |
| 122 | 1927.53 | 112.06 | Final Hydro-static |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 30.00 | mud 100%m | 0.15 |
| | | |
| | | |
| | | |
| | | |
| | | |

## Gas Rates

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

TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Abercrombie Energy

150 N. Main,Suite 801
Wichita, Ks 67202

ATTN: Abercrombie Energy

**Bouziden #2-18**

**18-12-33 Logan,Ks**

Job Ticket: 17768 **DST#: 2**

Test Start: 2004.01.11 @ 07:48:49

## Tool Information

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Drill Pipe: | Length: | 3820.00 ft | Diameter: | 3.80 inches | Volume: | 53.58 bbl | |
| Heavy Wt. Pipe: | Length: | 0.00 ft | Diameter: | 0.00 inches | Volume: | 0.00 bbl | |
| Drill Collar: | Length: | 242.00 ft | Diameter: | 2.25 inches | Volume: | 1.19 bbl | |
| | | | | | Total Volume: | 54.77 bbl | |

| | |
|---|---|
| Drill Pipe Above KB: | 6.00 ft |
| Depth to Top Packer: | 4076.00 ft |
| Depth to Bottom Packer: | ft |
| Interval betw een Packers: | 44.00 ft |
| Tool Length: | 64.00 ft |
| Number of Packers: | 2 Diameter: 6.75 inches |

| | |
|---|---|
| Tool Weight: | 1500.00 lb |
| Weight set on Packer: | 30000.00 lb |
| Weight to Pull Loose: | 85000.00 lb |
| Tool Chased | 0.00 ft |
| String Weight: Initial | 62000.00 lb |
| Final | 62000.00 lb |

Tool Comments:

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| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths | |
|---|---|---|---|---|---|---|
| Change Over Sub | 1.00 | | | 4057.00 | | |
| Shut In Tool | 5.00 | | | 4062.00 | | |
| Hydraulic tool | 5.00 | | | 4067.00 | | |
| Packer | 5.00 | | | 4072.00 | 20.00 | Bottom Of Top Packer |
| Packer | 4.00 | | | 4076.00 | | |
| Stubb | 1.00 | | | 4077.00 | | |
| Recorder | 0.00 | 6753 | Inside | 4077.00 | | |
| Perforations | 5.00 | | | 4082.00 | | |
| Change Over Sub | 1.00 | | | 4083.00 | | |
| Drill Pipe | 31.00 | | | 4114.00 | | |
| Change Over Sub | 1.00 | | | 4115.00 | | |
| Recorder | 0.00 | 11058 | Outside | 4115.00 | | |
| Bullnose | 5.00 | | | 4120.00 | 44.00 | Bottom Packers & Anchor |
| **Total Tool Length:** | **64.00** | | | | | |

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TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Abercrombie Energy

150 N. Main,Suite 801
Wichita, Ks 67202

ATTN: Abercrombie Energy

**Bouzlden #2-18**

**18-12-33 Logan,Ks**

Job Ticket: 17768 **DST#: 2**

Test Start: 2004.01.11 @ 07:48:49

## 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: | 4400 ppm |
| Viscosity: | 47.00 sec/qt | Cushion Volume: | bbl | | |
| Water Loss: | 7.15 in³ | Gas Cushion Type: | | | |
| Resistivity: | 0.00 ohm.m | Gas Cushion Pressure: | psig | | |
| Salinity: | 4400.00 ppm | | | | |
| Filter Cake: | 1.00 inches | | | | |

## Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|---|---|---|
| 30.00 | mud 100%m | 0.148 |

Total Length: 30.00 ft Total Volume: 0.148 bbl

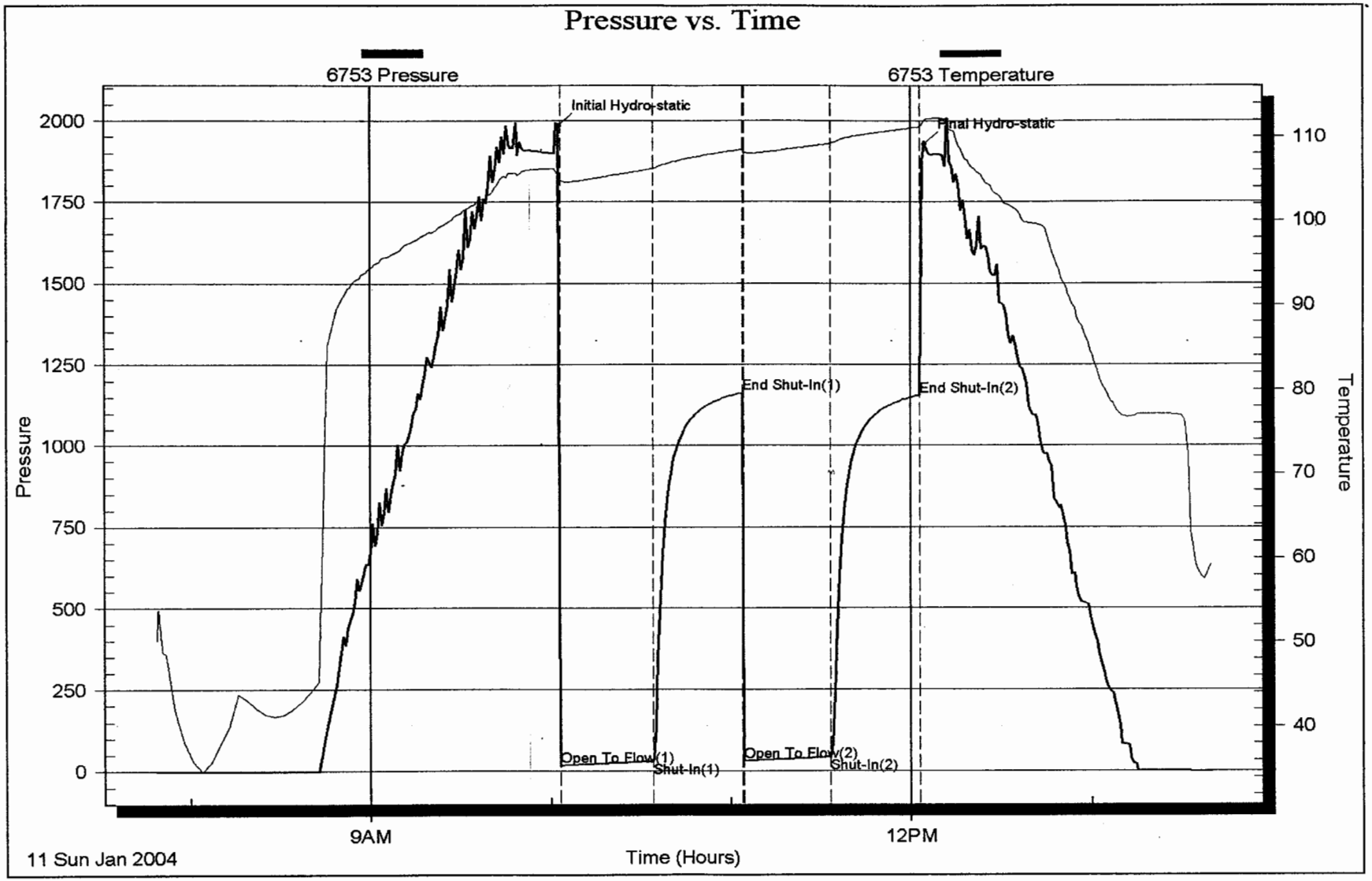
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

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Serial #: 6753 **Inside** Abercrombie Energy 18-12-33 Logan,Ks DST Test Number: 2






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# DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy**

150 N. Main,Suite 801
Wichita, Ks 67202

ATTN: Abercrombie Energy

**18-12-33 Logan,Ks**

**Bouziden #2-18**

Start Date: 2004.01.11 @ 21:20:59
End Date: 2004.01.12 @ 03:14:27
Job Ticket #: 17769 DST #: 3

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

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TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

Abercrombie Energy

150 N. Main,Suite 801
Wichita, Ks 67202

ATTN: Abercrombie Energy

**Bouziden #2-18**

**18-12-33 Logan,Ks**

Job Ticket: 17769 **DST#: 3**

Test Start: 2004.01.11 @ 21:20:59

## GENERAL INFORMATION:

Formation: **E**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:20:12
Time Test Ended: 03:14:27

Test Type: Conventional Bottom Hole
Tester: Shane McBride
Unit No: 25

**Interval: 4124.00 ft (KB) To 4140.00 ft (KB) (TVD)**
Total Depth: 4075.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3143.00 ft (KB)
3133.00 ft (CF)
KB to GR/CF: 10.00 ft

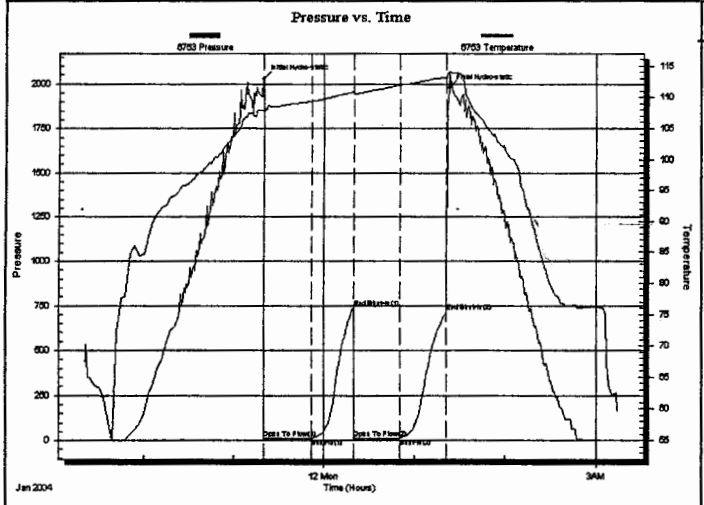
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**Serial #: 6753** **Inside**

Press@RunDepth: 13.97 psig @ 4125.00 ft (KB)
Start Date: 2004.01.11 End Date: 2004.01.12
Start Time: 21:20:59 End Time: 03:14:27

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2004.01.11 @ 23:19:57
Time Off Btm: 2004.01.12 @ 01:22:57

TEST COMMENT: Weak blow died in 10 min.
No return
Weak blow died in 3 min.
No return




## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---|---|---|---|
| 0 | 2029.70 | 108.07 | Initial Hydro-static |
| 1 | 10.89 | 107.51 | Open To Flow (1) |
| 32 | 11.82 | 109.34 | Shut-In(1) |
| 60 | 738.60 | 110.80 | End Shut-In(1) |
| 60 | 12.97 | 110.55 | Open To Flow (2) |
| 91 | 13.97 | 111.92 | Shut-In(2) |
| 122 | 715.78 | 113.19 | End Shut-In(2) |
| 123 | 1979.32 | 114.06 | Final Hydro-static |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 2.00 | free oil 100%o | 0.01 |
| 3.00 | o c m 20%o 80%m | 0.01 |
| | | |
| | | |
| | | |
| | | |

## Gas Rates

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

TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Abercrombie Energy

150 N. Main,Suite 801
Wichita, Ks 67202

ATTN: Abercrombie Energy

**Bouziden #2-18**

**18-12-33 Logan,Ks**

Job Ticket: 17769 **DST#: 3**

Test Start: 2004.01.11 @ 21:20:59

## Tool Information

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Drill Pipe: | Length: | 3880.00 ft | Diameter: | 3.80 inches | Volume: | 54.43 bbl | |
| Heavy Wt. Pipe: | Length: | 0.00 ft | Diameter: | 0.00 inches | Volume: | 0.00 bbl | |
| Drill Collar: | Length: | 242.00 ft | Diameter: | 2.25 inches | Volume: | 1.19 bbl | |
| | | | | | Total Volume: | 55.62 bbl | |

| | |
|---|---|
| Drill Pipe Above KB: | 18.00 ft |
| Depth to Top Packer: | 4124.00 ft |
| Depth to Bottom Packer: | ft |
| Interval betw een Packers: | 16.00 ft |
| Tool Length: | 36.00 ft |
| Number of Packers: | 2 Diameter: 6.75 inches |

| | |
|---|---|
| Tool Weight: | 1500.00 lb |
| Weight set on Packer: | 30000.00 lb |
| Weight to Pull Loose: | 85000.00 lb |
| Tool Chased | 0.00 ft |
| String Weight: Initial | 62000.00 lb |
| Final | 62000.00 lb |

Tool Comments:

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| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths | |
|---|---|---|---|---|---|---|
| Change Over Sub | 1.00 | | | 4105.00 | | |
| Shut In Tool | 5.00 | | | 4110.00 | | |
| Hydraulic tool | 5.00 | | | 4115.00 | | |
| Packer | 5.00 | | | 4120.00 | 20.00 | Bottom Of Top Packer |
| Packer | 4.00 | | | 4124.00 | | |
| Stubb | 1.00 | | | 4125.00 | | |
| Recorder | 0.00 | 6753 | Inside | 4125.00 | | |
| Perforations | 10.00 | | | 4135.00 | | |
| Recorder | 0.00 | 11058 | Outside | 4135.00 | | |
| Bullnose | 5.00 | | | 4140.00 | 16.00 | Bottom Packers & Anchor |
| **Total Tool Length:** | **36.00** | | | | | |

101676

TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Abercrombie Energy

150 N. Main,Suite 801
Wichita, Ks 67202

ATTN: Abercrombie Energy

**Bouziden #2-18**

**18-12-33 Logan,Ks**

Job Ticket: 17769 **DST#: 3**

Test Start: 2004.01.11 @ 21:20:59

## 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: | 4400 ppm |
| Viscosity: | 47.00 sec/qt | Cushion Volume: | bbl | | |
| Water Loss: | 7.16 in³ | Gas Cushion Type: | | | |
| Resistivity: | 0.00 ohm.m | Gas Cushion Pressure: | psig | | |
| Salinity: | 4400.00 ppm | | | | |
| Filter Cake: | 1.00 inches | | | | |

## Recovery Information

Recovery Table

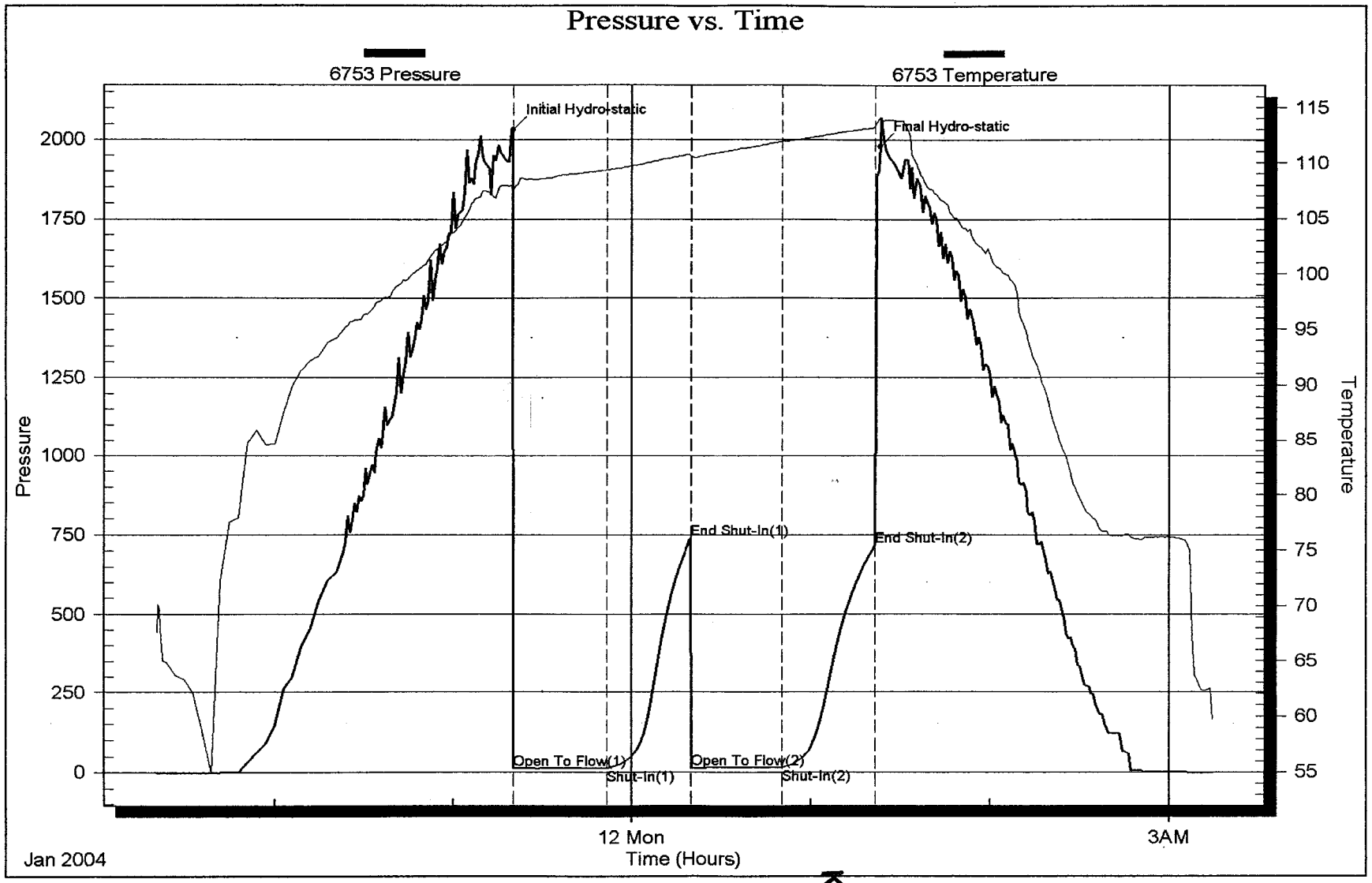
| Length ft | Description | Volume bbl |
|---|---|---|
| 2.00 | free oil 100%o | 0.010 |
| 3.00 | o c m 20%o 80%m | 0.015 |

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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Serial #: 6753 **Inside** Abercrombie Energy 18-12-33 Logan,Ks DST Test Number: 3




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TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

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Prepared For: **Abercrombie Energy**

150 N. Main,Suite 801
Wichita, Ks 67202

ATTN: Abercrombie Energy

**18-12-33 Logan,Ks**

**Bouziden #2-18**

Start Date: 2004.01.12 @ 15:40:48
End Date: 2004.01.13 @ 00:15:01
Job Ticket #: 17770. DST #: 4

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

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# DRILL STEM TEST REPORT

Abercrombie Energy

150 N. Main,Suite 801
Wichita, Ks 67202

ATTN: Abercrombie Energy

**Bouziden #2-18**

**18-12-33 Logan,Ks**

Job Ticket: 17770 **DST#: 4**

Test Start: 2004.01.12 @ 15:40:48

## GENERAL INFORMATION:

Formation: **H**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:50:16
Time Test Ended: 00:15:01

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FEB 25 2004
KCC WICHITA

Test Type: Conventional Bottom Hole
Tester: Shane McBride
Unit No: 25

**Interval: 4204.00 ft (KB) To 4235.00 ft (KB) (TVD)**
Total Depth: 4235.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

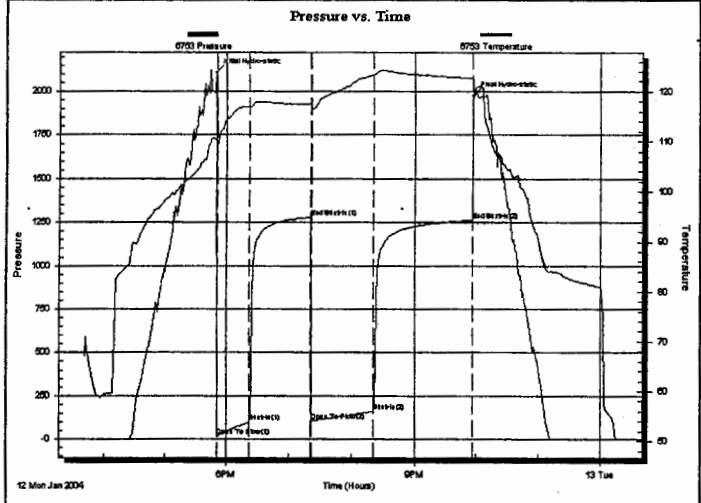
Reference Elevations: 3143.00 ft (KB)
3133.00 ft (CF)
KB to GR/CF: 10.00 ft

**Serial #: 6753** **Inside**

Press@RunDepth: 161.82 psig @ 4205.00 ft (KB)
Start Date: 2004.01.12 End Date: 2004.01.13
Start Time: 15:40:48 End Time: 00:15:01

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2004.01.12 @ 17:50:01
Time Off Btm: 2004.01.12 @ 21:57:16

TEST COMMENT: 1/2"in. @ open built to 7"in.
No return
1/2"in. @ open built to 9 1/2"in.
1/4"in. return blow built to 1"in. died in 50 min.




## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---|---|---|---|
| 0 | 2110.09 | 110.44 | Initial Hydro-static |
| 1 | 15.01 | 109.95 | Open To Flow (1) |
| 32 | 98.62 | 116.87 | Shut-In(1) |
| 91 | 1279.23 | 117.40 | End Shut-In(1) |
| 92 | 105.88 | 116.87 | Open To Flow (2) |
| 151 | 161.82 | 123.29 | Shut-In(2) |
| 247 | 1262.87 | 122.63 | End Shut-In(2) |
| 248 | 1976.77 | 122.45 | Final Hydro-static |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 120.00 | o c g m 25%o 25%g 50%m | 0.59 |
| 180.00 | c g o 25%g 75%o | 1.41 |
| 75.00 | s g o 10%g90%o | 1.05 |
| | | |
| | | |
| | | |

## Gas Rates

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

TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Abercrombie Energy

150 N. Main,Suite 801
Wichita, Ks 67202

ATTN: Abercrombie Energy

**Bouziden #2-18**

**18-12-33 Logan,Ks**

Job Ticket: 17770 **DST#: 4**

Test Start: 2004.01.12 @ 15:40:48

## Tool Information

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Drill Pipe: | Length: | 3974.00 ft | Diameter: | 3.80 | inches | Volume: | 55.74 bbl | Tool Weight: | 1500.00 lb |
| Heavy Wt. Pipe: | Length: | 0.00 ft | Diameter: | 0.00 | inches | Volume: | 0.00 bbl | Weight set on Packer: | 30000.00 lb |
| Drill Collar: | Length: | 242.00 ft | Diameter: | 2.25 | inches | Volume: | 1.19 bbl | Weight to Pull Loose: | 85000.00 lb |
| | | | | | | Total Volume: | 56.93 bbl | Tool Chased | 0.00 ft |
| Drill Pipe Above KB: | | 32.00 ft | | | | | | String Weight: Initial | 64000.00 lb |
| Depth to Top Packer: | | 4204.00 ft | | | | | | Final | 66000.00 lb |
| Depth to Bottom Packer: | | ft | | | | | | | |
| Interval between Packers: | | 31.00 ft | | | | | | | |
| Tool Length: | | 51.00 ft | | | | | | | |
| Number of Packers: | | 2 | Diameter: | 6.75 | inches | | | | |

Tool Comments:

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| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths | |
|---|---|---|---|---|---|---|
| Change Over Sub | 1.00 | | | 4185.00 | | |
| Shut In Tool | 5.00 | | | 4190.00 | | |
| Hydraulic tool | 5.00 | | | 4195.00 | | |
| Packer | 5.00 | | | 4200.00 | 20.00 | Bottom Of Top Packer |
| Packer | 4.00 | | | 4204.00 | | |
| Stubb | 1.00 | | | 4205.00 | | |
| Recorder | 0.00 | 6753 | Inside | 4205.00 | | |
| Perforations | 25.00 | | | 4230.00 | | |
| Recorder | 0.00 | 11058 | Outside | 4230.00 | | |
| Bullnose | 5.00 | | | 4235.00 | 31.00 | Bottom Packers & Anchor |
| **Total Tool Length:** | **51.00** | | | | | |

101076

TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Abercrombie Energy

150 N. Main,Suite 801
Wichita, Ks 67202

ATTN: Abercrombie Energy

**Bouziden #2-18**

**18-12-33 Logan,Ks**

Job Ticket: 17770 **DST#: 4**

Test Start: 2004.01.12 @ 15:40:48

## Mud and Cushion Information

| | | | | | |
|---|---|---|---|---|---|
| Mud Type: | Gel Chem | Cushion Type: | | Oil API: | 29 deg API |
| Mud Weight: | 9.00 lb/gal | Cushion Length: | ft | Water Salinity: | 5000 ppm |
| Viscosity: | 53.00 sec/qt | Cushion Volume: | bbl | | |
| Water Loss: | 8.75 in³ | Gas Cushion Type: | | | |
| Resistivity: | 0.00 ohm.m | Gas Cushion Pressure: | psig | | |
| Salinity: | 5000.00 ppm | | | | |
| Filter Cake: | 1.00 inches | | | | |

## Recovery Information

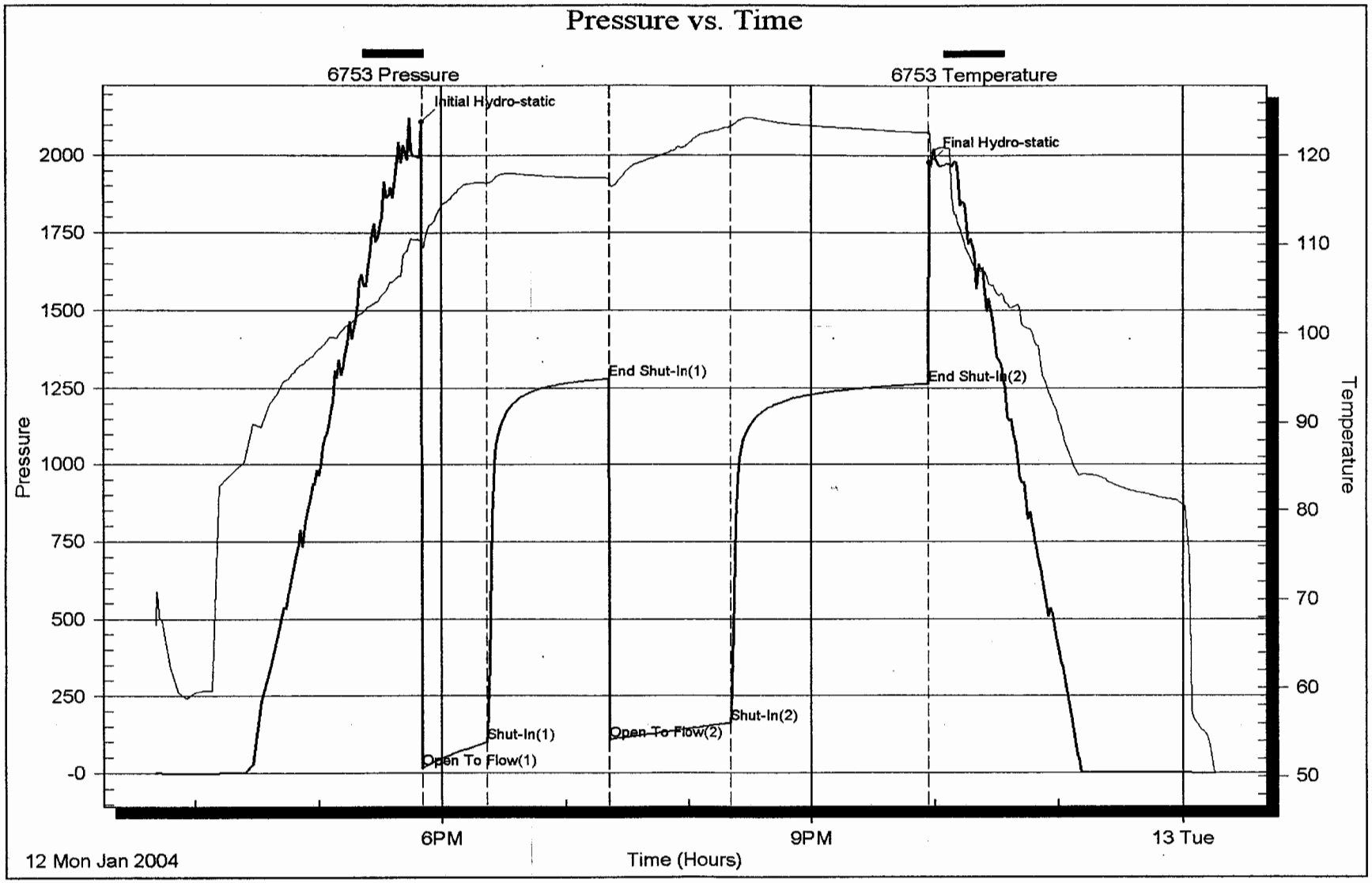
Recovery Table

| Length ft | Description | Volume bbl |
|---|---|---|
| 120.00 | o c g m 25%o 25%g 50%m | 0.590 |
| 180.00 | c g o 25%g 75%o | 1.414 |
| 75.00 | s g o 10%g90%o | 1.052 |

Total Length: 375.00 ft Total Volume: 3.056 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

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FEB 2 5 2004
KCC WICHITA

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FEB 2 5 2004
KCC WICHITA

TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy**

150 N. Main,Suite 801
Wichita, Ks 67202

ATTN: Abercrombie Energy

**18-12-33 Logan,Ks**

**Bouziden #2-18**

Start Date: 2004.01.13 @ 08:45:49
End Date: 2004.01.13 @ 17:36:47
Job Ticket #: 17771 DST #: 5

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

10107L

# DRILL STEM TEST REPORT

Abercrombie Energy

150 N. Main,Suite 801
Wichita, Ks 67202

ATTN: Abercrombie Energy

**Bouziden #2-18**

**18-12-33 Logan,Ks**

Job Ticket: 17771 **DST#: 5**

Test Start: 2004.01.13 @ 08:45:49

## GENERAL INFORMATION:

Formation: I
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:45:32
Time Test Ended: 17:36:47

Test Type: Conventional Bottom Hole
Tester: Shane McBride
Unit No: 25

**Interval: 4237.00 ft (KB) To 4265.00 ft (KB) (TVD)**
Total Depth: 4075.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3143.00 ft (KB)
3133.00 ft (CF)
KB to GR/CF: 10.00 ft

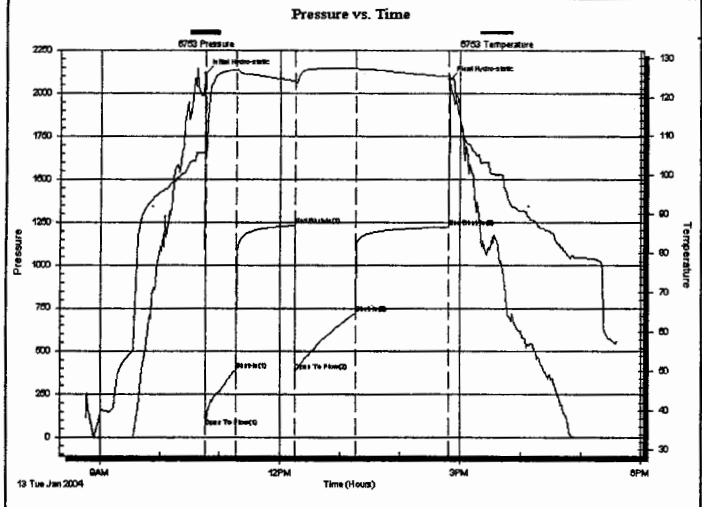
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KCC WICHITA

**Serial #: 6753** **Inside**

Press@RunDepth: 721.42 psig @ 4238.00 ft (KB)
Start Date: 2004.01.13 End Date: 2004.01.13
Start Time: 08:45:49 End Time: 17:36:47

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2004.01.13 @ 10:45:17
Time Off Btm: 2004.01.13 @ 14:49:47

TEST COMMENT: B.O.B. in 4 min.
1/2"in. return blow
1/2"in. @ open, B.O.B. in 5 min.
4"in return blow




## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---|---|---|---|
| 0 | 2117.10 | 105.80 | Initial Hydro-static |
| 1 | 64.28 | 105.14 | Open To Flow (1) |
| 31 | 391.27 | 126.74 | Shut-In(1) |
| 90 | 1231.81 | 124.02 | End Shut-In(1) |
| 91 | 385.51 | 123.68 | Open To Flow (2) |
| 151 | 721.42 | 127.14 | Shut-In(2) |
| 244 | 1223.74 | 125.17 | End Shut-In(2) |
| 245 | 2080.69 | 125.48 | Final Hydro-static |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 1080.00 | g w 15%g 85%w | 12.95 |
| 180.00 | s m c g w 10%m20%g70%w | 2.52 |
| 180.00 | m c g w 20%m25%g55%w w/trace of | o2.52 |
| 60.00 | h o c g w 40%o 25%g 35%w | 0.84 |
| 20.00 | c g o 20%g 80%o | 0.28 |
| | | |

## Gas Rates

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

TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Abercrombie Energy

150 N. Main,Suite 801
Wichita, Ks 67202

ATTN: Abercrombie Energy

**Bouziden #2-18**

**18-12-33 Logan,Ks**

Job Ticket: 17771 **DST#: 5**

Test Start: 2004.01.13 @ 08:45:49

## Tool Information

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Drill Pipe: | Length: | 4006.00 ft | Diameter: | 3.80 inches | Volume: | 56.19 bbl | |
| Heavy Wt. Pipe: | Length: | 0.00 ft | Diameter: | 0.00 inches | Volume: | 0.00 bbl | |
| Drill Collar: | Length: | 242.00 ft | Diameter: | 2.25 inches | Volume: | 1.19 bbl | |
| | | | | | Total Volume: | 57.38 bbl | |

| | |
|---|---|
| Drill Pipe Above KB: | 31.00 ft |
| Depth to Top Packer: | 4237.00 ft |
| Depth to Bottom Packer: | ft |
| Interval between Packers: | 28.00 ft |
| Tool Length: | 48.00 ft |
| Number of Packers: | 2 Diameter: 6.75 inches |

| | |
|---|---|
| Tool Weight: | 1500.00 lb |
| Weight set on Packer: | 30000.00 lb |
| Weight to Pull Loose: | 85000.00 lb |
| Tool Chased | 0.00 ft |
| String Weight: Initial | 62000.00 lb |
| Final | 68000.00 lb |

Tool Comments:

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| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths | |
|---|---|---|---|---|---|---|
| Change Over Sub | 1.00 | | | 4218.00 | | |
| Shut In Tool | 5.00 | | | 4223.00 | | |
| Hydraulic tool | 5.00 | | | 4228.00 | | |
| Packer | 5.00 | | | 4233.00 | 20.00 | Bottom Of Top Packer |
| Packer | 4.00 | | | 4237.00 | | |
| Stubb | 1.00 | | | 4238.00 | | |
| Recorder | 0.00 | 6753 | Inside | 4238.00 | | |
| Perforations | 22.00 | | | 4260.00 | | |
| Recorder | 0.00 | 11058 | Outside | 4260.00 | | |
| Bullnose | 5.00 | | | 4265.00 | 28.00 | Bottom Packers & Anchor |
| **Total Tool Length:** | **48.00** | | | | | |

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TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Abercrombie Energy

150 N. Main,Suite 801
Wichita, Ks 67202

ATTN: Abercrombie Energy

**Bouziden #2-18**

**18-12-33 Logan,Ks**

Job Ticket: 17771 **DST#: 5**

Test Start: 2004.01.13 @ 08:45:49

## Mud and Cushion Information

| | | | | | |
|---|---|---|---|---|---|
| Mud Type: | Gel Chem | Cushion Type: | | Oil API: | 37 deg API |
| Mud Weight: | 9.00 lb/gal | Cushion Length: | ft | Water Salinity: | 39000 ppm |
| Viscosity: | 53.00 sec/qt | Cushion Volume: | bbl | | |
| Water Loss: | 8.76 in³ | Gas Cushion Type: | | | |
| Resistivity: | 0.00 ohm.m | Gas Cushion Pressure: | psig | | |
| Salinity: | 5000.00 ppm | | | | |
| Filter Cake: | 1.00 inches | | | | |

## Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|---|---|---|
| 1080.00 | g w 15%g 85%w | 12.945 |
| 180.00 | s m c g w 10%m20%g70%w | 2.525 |
| 180.00 | m c g w 20%m25%g55%w w/trace of oil | 2.525 |
| 60.00 | h o c g w 40%o 25%g 35%w | 0.842 |
| 20.00 | c g o 20%g 80%o | 0.281 |

Total Length: 1520.00 ft Total Volume: 19.118 bbl

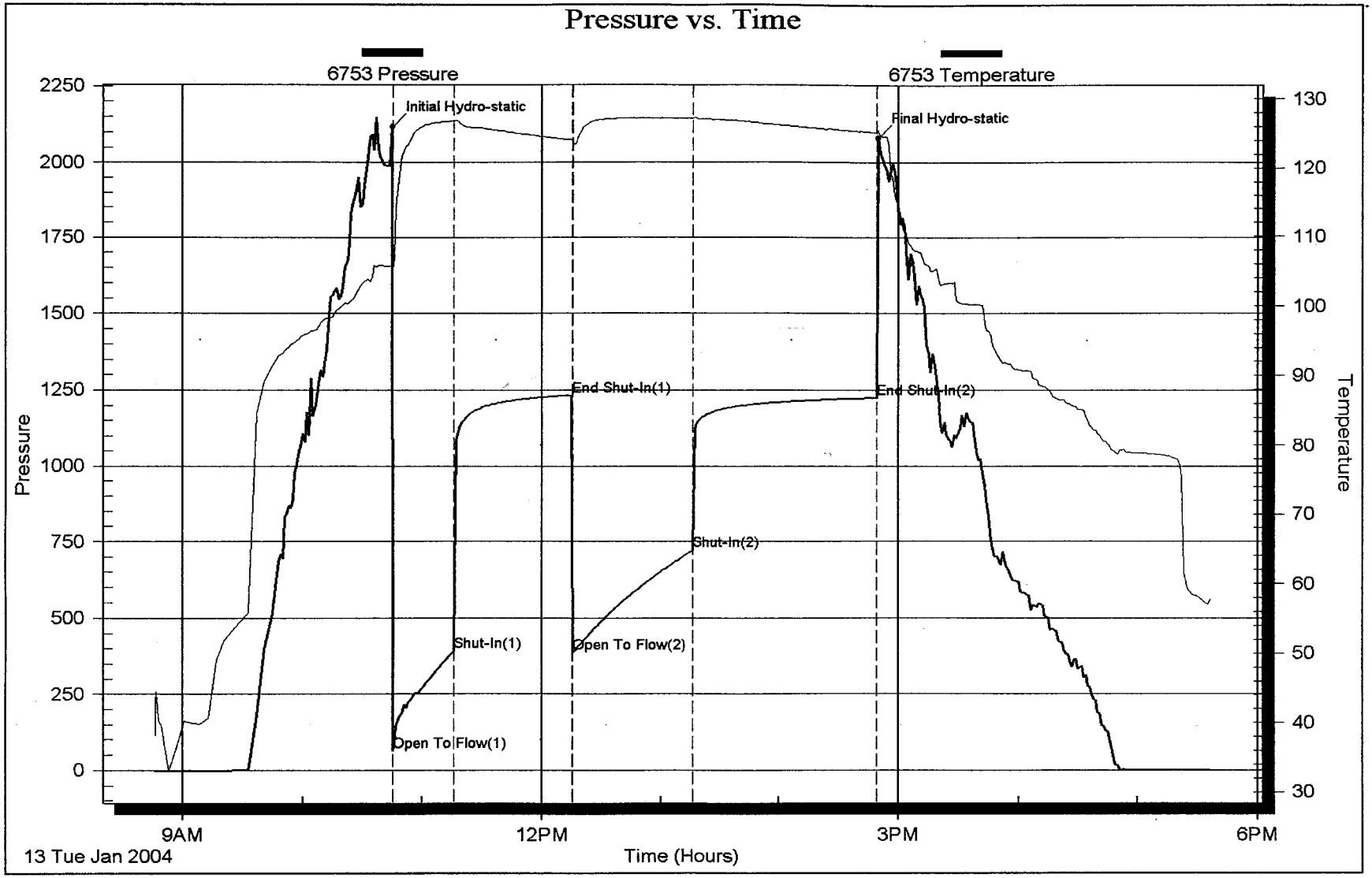
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

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KCC WICHITA

Serial #: 6753 **Inside** Abercrombie Energy 18-12-33 Logan,Ks DST Test Number: 5




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TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

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KCC WICHITA

Prepared For: **Abercrombie Energy**

150 N. Main,Suite 801
Wichita, Ks 67202

ATTN: Abercrombie Energy

**18-12-33 Logan,Ks**

**Bouziden #2-18**

Start Date: 2004.01.14 @ 02:15:26
End Date: 2004.01.14 @ 11:15:24
Job Ticket #: 17772 DST #: 6

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



Abercrombie Energy
Bouziden #2-18
18-12-33 Logan,Ks
DST # 6
J
2004.01.14

16 1076

# DRILL STEM TEST REPORT

Abercrombie Energy

150 N. Main,Suite 801
Wichita, Ks 67202

ATTN: Abercrombie Energy

**Bouziden #2-18**

**18-12-33 Logan,Ks**

Job Ticket: 17772 **DST#: 6**

Test Start: 2004.01.14 @ 02:15:26

## GENERAL INFORMATION:

Formation: J
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:46:39
Time Test Ended: 11:15:24

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KCC WICHITA

Test Type: Conventional Bottom Hole
Tester: Shane McBride
Unit No: 25

**Interval: 4265.00 ft (KB) To 4283.00 ft (KB) (TVD)**
Total Depth: 4283.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

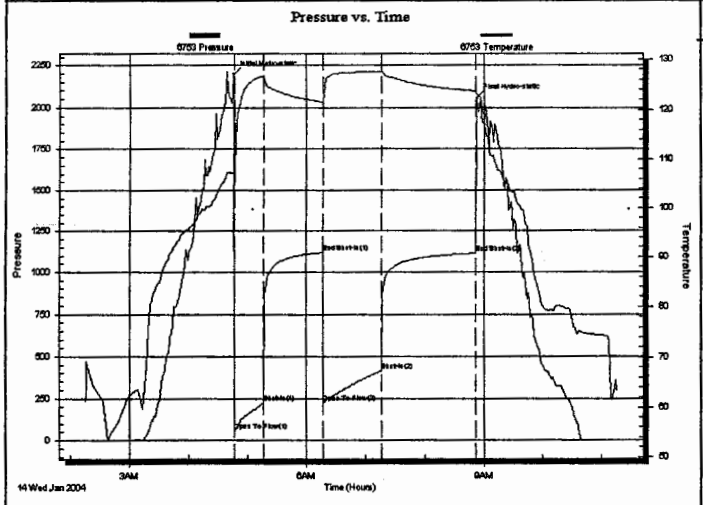
Reference Elevations: 3143.00 ft (KB)
3133.00 ft (CF)
KB to GR/CF: 10.00 ft

**Serial #: 6753** **Inside**

Press@RunDepth: 416.72 psig @ 4266.00 ft (KB)
Start Date: 2004.01.14 End Date: 2004.01.14
Start Time: 02:15:26 End Time: 11:15:24

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2004.01.14 @ 04:46:09
Time Off Btm: 2004.01.14 @ 08:53:09

TEST COMMENT: B.O.B. in 8 min.
1/4"in return blow
B.O.B. in 17 min.
4"in return blow




## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---|---|---|---|
| 0 | 2195.12 | 107.54 | Initial Hydro-static |
| 1 | 60.73 | 107.74 | Open To Flow (1) |
| 31 | 222.45 | 126.63 | Shut-In(1) |
| 91 | 1119.22 | 121.47 | End Shut-In(1) |
| 92 | 226.96 | 121.60 | Open To Flow (2) |
| 151 | 416.72 | 127.48 | Shut-In(2) |
| 246 | 1114.26 | 123.64 | End Shut-In(2) |
| 247 | 2057.15 | 123.00 | Final Hydro-static |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 660.00 | s g w 10%g 90%w | 7.05 |
| 90.00 | m c g w w/trace of oil 20%m15%g 65% | 1.26 |
| 45.00 | c g o 20%g 80%o | 0.63 |
| | | |
| | | |
| | | |

## Gas Rates

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

TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Abercrombie Energy

150 N. Main,Suite 801
Wichita, Ks 67202

ATTN: Abercrombie Energy

**Bouziden #2-18**

**18-12-33 Logan,Ks**

Job Ticket: 17772 **DST#: 6**

Test Start: 2004.01.14 @ 02:15:26

## Tool Information

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Drill Pipe: | Length: | 4007.00 ft | Diameter: | 3.80 inches | Volume: | 56.21 bbl | |
| Heavy Wt. Pipe: | Length: | 0.00 ft | Diameter: | 0.00 inches | Volume: | 0.00 bbl | |
| Drill Collar: | Length: | 242.00 ft | Diameter: | 2.25 inches | Volume: | 1.19 bbl | |
| | | | | | Total Volume: | 57.40 bbl | |

| | |
|---|---|
| Drill Pipe Above KB: | 4.00 ft |
| Depth to Top Packer: | 4265.00 ft |
| Depth to Bottom Packer: | ft |
| Interval betw een Packers: | 18.00 ft |
| Tool Length: | 38.00 ft |
| Number of Packers: | 2 Diameter: 6.75 inches |
| Tool Comments: | |

| | |
|---|---|
| Tool Weight: | 1500.00 lb |
| Weight set on Packer: | 30000.00 lb |
| Weight to Pull Loose: | 85000.00 lb |
| Tool Chased | 0.00 ft |
| String Weight: Initial | 62000.00 lb |
| Final | 65000.00 lb |

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| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths | |
|---|---|---|---|---|---|---|
| Change Over Sub | 1.00 | | | 4246.00 | | |
| Shut In Tool | 5.00 | | | 4251.00 | | |
| Hydraulic tool | 5.00 | | | 4256.00 | | |
| Packer | 5.00 | | | 4261.00 | 20.00 | Bottom Of Top Packer |
| Packer | 4.00 | | | 4265.00 | | |
| Stubb | 1.00 | | | 4266.00 | | |
| Recorder | 0.00 | 6753 | Inside | 4266.00 | | |
| Perforations | 12.00 | | | 4278.00 | | |
| Recorder | 0.00 | 11058 | Outside | 4278.00 | | |
| Bullnose | 5.00 | | | 4283.00 | 18.00 | Bottom Packers & Anchor |
| **Total Tool Length:** | **38.00** | | | | | |

101076

TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Abercrombie Energy

150 N. Main,Suite 801
Wichita, Ks 67202

ATTN: Abercrombie Energy

**Bouziden #2-18**

**18-12-33 Logan,Ks**

Job Ticket: 17772 **DST#: 6**

Test Start: 2004.01.14 @ 02:15:26

## Mud and Cushion Information

| | | | | | |
|---|---|---|---|---|---|
| Mud Type: | Gel Chem | Cushion Type: | | Oil API: | 39 deg API |
| Mud Weight: | 9.00 lb/gal | Cushion Length: | ft | Water Salinity: | 36000 ppm |
| Viscosity: | 62.00 sec/qt | Cushion Volume: | bbl | | |
| Water Loss: | 8.76 in³ | Gas Cushion Type: | | | |
| Resistivity: | 0.00 ohm.m | Gas Cushion Pressure: | psig | | |
| Salinity: | 6000.00 ppm | | | | |
| Filter Cake: | 1.00 inches | | | | |

## Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|---|---|---|
| 660.00 | s g w 10%g 90%w | 7.054 |
| 90.00 | m c g w w/trace of oil 20%m15%g 65%w | 1.262 |
| 45.00 | c g o 20%g 80%o | 0.631 |

Total Length: 795.00 ft Total Volume: 8.947 bbl

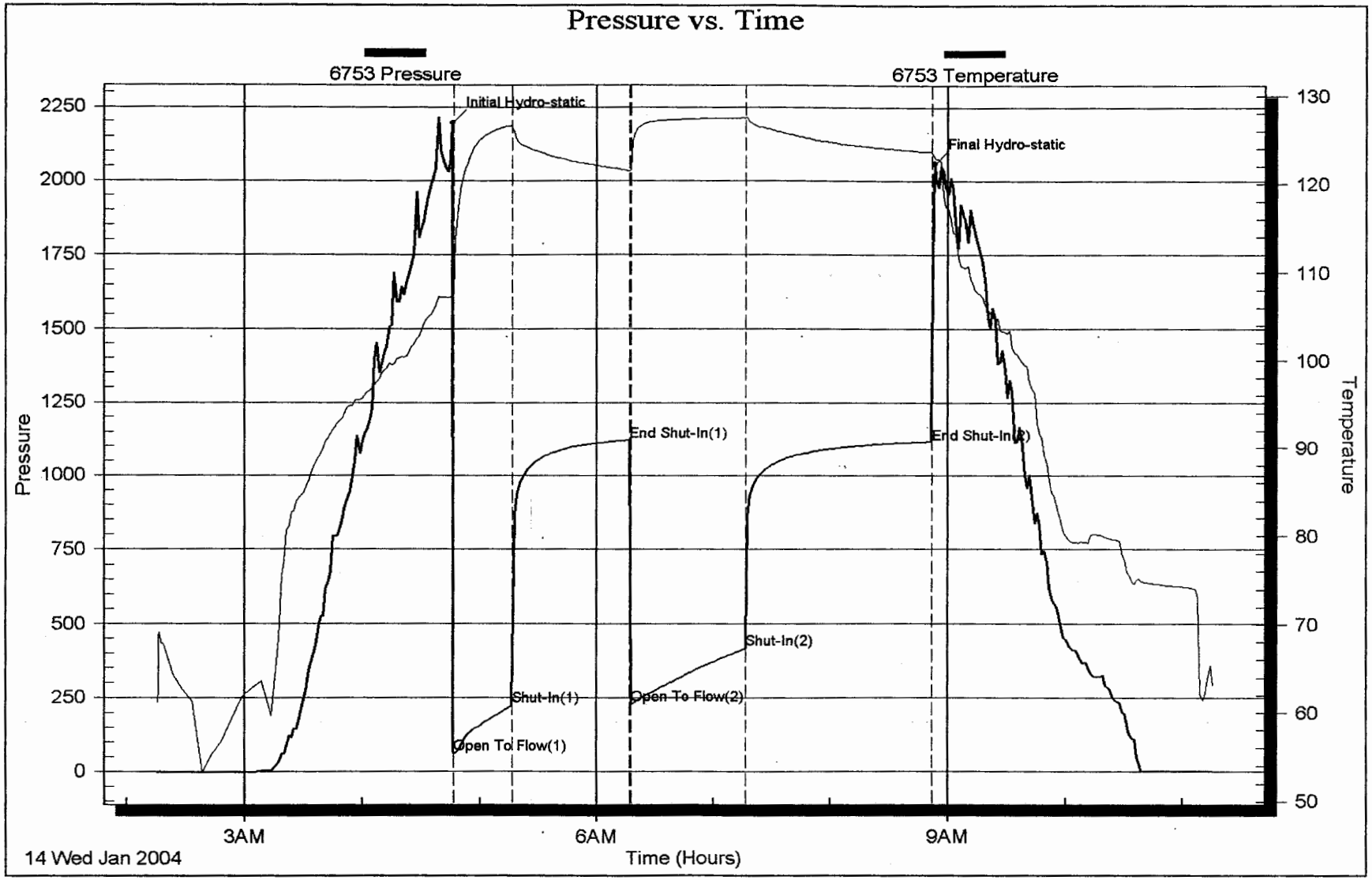
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

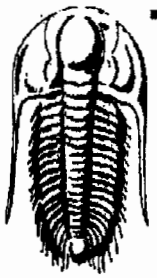
Recovery Comments:

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FEB 25 2004
KCC WICHITA

Serial #: 6753 **Inside** Abercrombie Energy 18-12-33 Logan,Ks DST Test Number: 6




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KCC WICHITA



TRILOBITE TESTING, INC.

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FEB 2 5 2004
KCC WICHITA

# DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy**

150 N. Main,Suite 801
Wichita, Ks 67202

ATTN: Abercrombie Energy

**18-12-33 Logan,Ks**

**Bouziden #2-18**

Start Date: 2004.01.15 @ 22:30:30
End Date: 2004.01.16 @ 06:58:28
Job Ticket #: 17773 DST #: 7

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



Abercrombie Energy Bouziden #2-18 18-12-33 Logan,Ks DST # 7 johnson 2004.01.15

161076

TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

Abercrombie Energy

150 N. Main,Suite 801
Wichita, Ks 67202

ATTN: Abercrombie Energy

**Bouziden #2-18**

**18-12-33 Logan,Ks**

Job Ticket: 17773 **DST#:7**

Test Start: 2004.01.15 @ 22:30:30

## GENERAL INFORMATION:

Formation: **johnson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:41:58
Time Test Ended: 06:58:28

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KCC WICHITA

Test Type: Conventional Bottom Hole
Tester: Shane McBride
Unit No: 25

**Interval: 4612.00 ft (KB) To 4666.00 ft (KB) (TVD)**
Total Depth: 4666.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

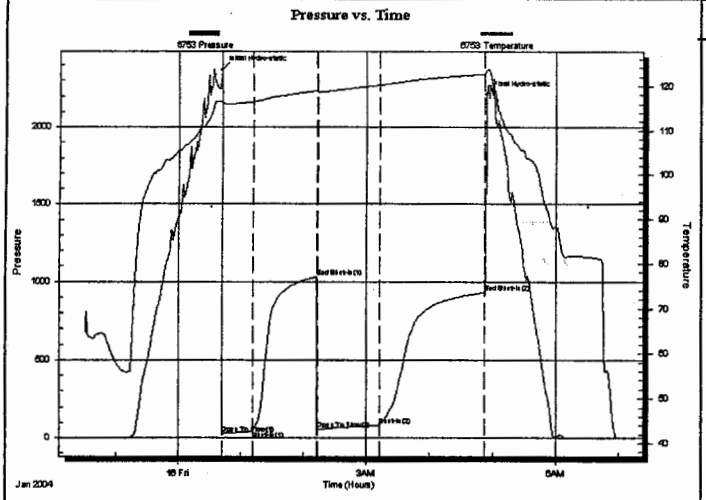
Reference Elevations: 3143.00 ft (KB)
3133.00 ft (CF)
KB to GR/CF: 10.00 ft

**Serial #: 6753** **Inside**

Press@RunDepth: 82.99 psig @ 4613.00 ft (KB)
Start Date: 2004.01.15 End Date: 2004.01.16
Start Time: 22:30:30 End Time: 06:58:28

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2004.01.16 @ 00:41:43
Time Off Btm: 2004.01.16 @ 04:53:28

TEST COMMENT: 1/2"in @ open, built to 7 1/2"in
No return
1"in @ open , built to 9"in.
1 1/2"in. return blow




## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|---|---|---|---|
| 0 | 2367.40 | 116.64 | Initial Hydro-static |
| 1 | 22.82 | 115.94 | Open To Flow (1) |
| 30 | 43.57 | 116.47 | Shut-In(1) |
| 91 | 1029.37 | 118.93 | End Shut-In(1) |
| 92 | 54.63 | 118.60 | Open To Flow (2) |
| 151 | 82.99 | 120.18 | Shut-In(2) |
| 251 | 930.77 | 122.65 | End Shut-In(2) |
| 252 | 2210.59 | 123.35 | Final Hydro-static |

## Recovery

| Length (ft) | Description | Volume (bbl) |
|---|---|---|
| 160.00 | c g o 15%g 85%o | 0.79 |
| 30.00 | s m & g c o 20%m 15%g 65%o | 0.15 |
| | | |
| | | |
| | | |
| | | |

## Gas Rates

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

TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Abercrombie Energy

150 N. Main,Suite 801
Wichita, Ks 67202

ATTN: Abercrombie Energy

**Bouziden #2-18**

**18-12-33 Logan,Ks**

Job Ticket: 17773 **DST#: 7**

Test Start: 2004.01.15 @ 22:30:30

## Tool Information

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Drill Pipe: | Length: | 4382.00 ft | Diameter: | 3.80 inches | Volume: | 61.47 bbl | Tool Weight: | | 1500.00 lb |
| Heavy Wt. Pipe: | Length: | 0.00 ft | Diameter: | 0.00 inches | Volume: | 0.00 bbl | Weight set on Packer: | | 30000.00 lb |
| Drill Collar: | Length: | 242.00 ft | Diameter: | 2.25 inches | Volume: | 1.19 bbl | Weight to Pull Loose: | | 85000.00 lb |
| | | | | | Total Volume: | 62.66 bbl | Tool Chased | | 0.00 ft |
| Drill Pipe Above KB: | | 32.00 ft | | | | | String Weight: | Initial | 64000.00 lb |
| Depth to Top Packer: | | 4612.00 ft | | | | | | Final | 66000.00 lb |
| Depth to Bottom Packer: | | ft | | | | | | | |
| Interval betw een Packers: | | 54.00 ft | | | | | | | |
| Tool Length: | | 74.00 ft | | | | | | | |
| Number of Packers: | | 2 | Diameter: | 6.75 inches | | | | | |

Tool Comments:

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| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths | |
|---|---|---|---|---|---|---|
| Change Over Sub | 1.00 | | | 4593.00 | | |
| Shut In Tool | 5.00 | | | 4598.00 | | |
| Hydraulic tool | 5.00 | | | 4603.00 | | |
| Packer | 5.00 | | | 4608.00 | 20.00 | Bottom Of Top Packer |
| Packer | 4.00 | | | 4612.00 | | |
| Stubb | 1.00 | | | 4613.00 | | |
| Recorder | 0.00 | 6753 | Inside | 4613.00 | | |
| Perforations | 15.00 | | | 4628.00 | | |
| Change Over Sub | 1.00 | | | 4629.00 | | |
| Drill Pipe | 31.00 | | | 4660.00 | | |
| Change Over Sub | 1.00 | | | 4661.00 | | |
| Recorder | 0.00 | 11058 | Outside | 4661.00 | | |
| Bullnose | 5.00 | | | 4666.00 | 54.00 | Bottom Packers & Anchor |
| **Total Tool Length:** | **74.00** | | | | | |

161076

TRILOBITE TESTING, INC.

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Abercrombie Energy

150 N. Main,Suite 801
Wichita, Ks 67202

ATTN: Abercrombie Energy

**Bouziden #2-18**

**18-12-33 Logan,Ks**

Job Ticket: 17773 **DST#: 7**

Test Start: 2004.01.15 @ 22:30:30

## Mud and Cushion Information

| | | | | | |
|---|---|---|---|---|---|
| Mud Type: | Gel Chem | Cushion Type: | | Oil API: | 27 deg API |
| Mud Weight: | 9.00 lb/gal | Cushion Length: | ft | Water Salinity: | 4700 ppm |
| Viscosity: | 45.00 sec/qt | Cushion Volume: | bbl | | |
| Water Loss: | 9.58 in³ | Gas Cushion Type: | | | |
| Resistivity: | 0.00 ohm.m | Gas Cushion Pressure: | psig | | |
| Salinity: | 4700.00 ppm | | | | |
| Filter Cake: | 1.00 inches | | | | |

## Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|---|---|---|
| 160.00 | c g o 15%g 85%o | 0.787 |
| 30.00 | s m & g c o 20%m 15%g 65%o | 0.148 |

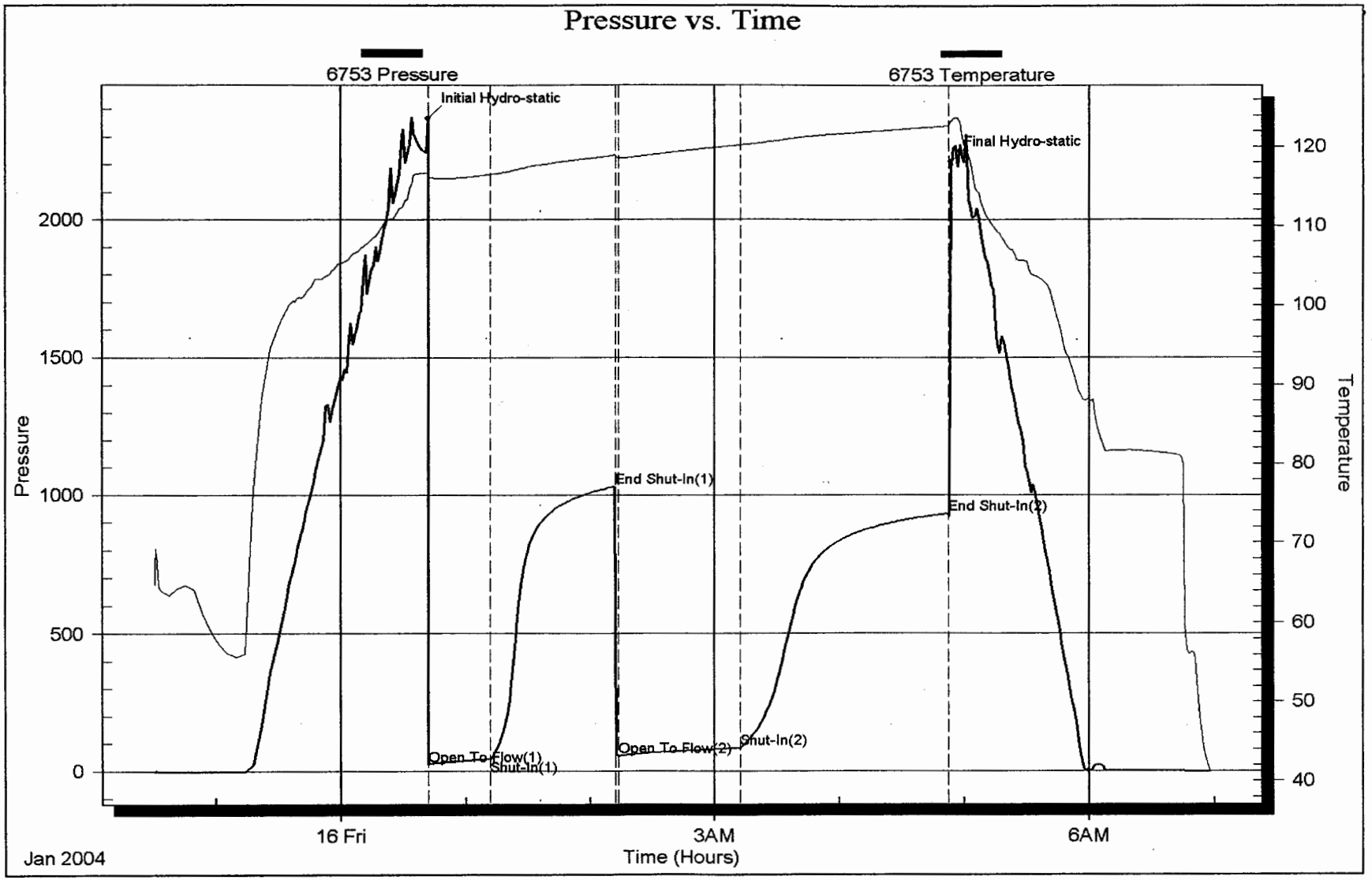
Total Length: 190.00 ft Total Volume: 0.935 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

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