



DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

Box 352
Russell KS 67665

ATTN: John Farmer

27 12 15 Russell KS

Weigel B # 1

Start Date: 2006.05.29 @ 05:05:31

End Date: 2006.05.29 @ 11:01:01

Job Ticket #: 25082 DST #: 1

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer Inc

Box 352
Russell KS 67665

ATTN: John Farmer

Weigel B # 1

27 12 15 Russell KS

Job Ticket: 25082

DST#: 1

Test Start: 2006.05.29 @ 05:05:31

GENERAL INFORMATION:

Formation: **B-C LKC**
Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 07:03:16

Time Test Ended: 11:01:01

Test Type: **Conventional Bottom Hole**

Tester: **Dan Bangle**

Unit No: **21**

Interval: **2988.00 ft (KB) To 3026.00 ft (KB) (TVD)**

Total Depth: **3026.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **1814.00 ft (KB)**

1809.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 6741

Inside

Press@RunDepth: **109.63 psig @ 2989.00 ft (KB)**

Start Date: **2006.05.29**

End Date:

2006.05.29

Start Time: **05:05:33**

End Time:

11:01:01

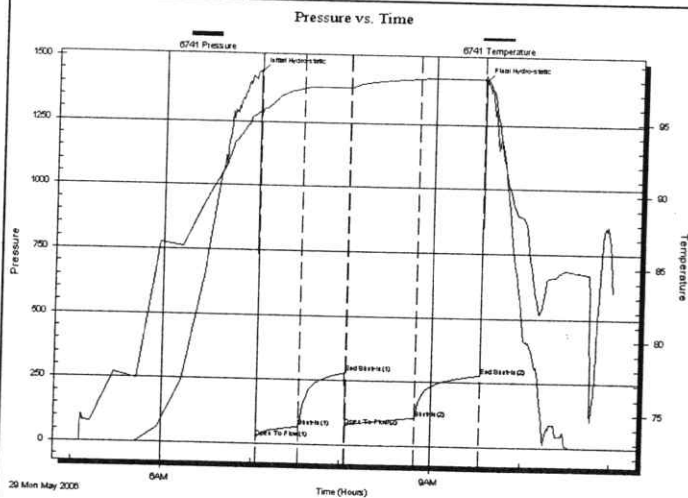
Capacity: **7000.00 psig**

Last Calib.: **2006.05.29**

Time On Btm: **2006.05.29 @ 07:02:46**

Time Off Btm: **2006.05.29 @ 09:33:01**

TEST COMMENT: IF Strong B-B in 3 min
ISI Weak building to 1 in
FF Strong B-B in 10 min
FSI Weak building to 1/4 in



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1443.19 | 95.55 | Initial Hydro-static |
| 1 | 22.81 | 95.30 | Open To Flow (1) |
| 30 | 68.68 | 97.21 | Shut-In(1) |
| 60 | 280.00 | 97.32 | End Shut-In(1) |
| 61 | 76.50 | 97.27 | Open To Flow (2) |
| 107 | 109.63 | 97.98 | Shut-In(2) |
| 150 | 278.67 | 98.01 | End Shut-In(2) |
| 151 | 1421.16 | 98.32 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------------------|--------------|
| 124.00 | MW 80%W 20%M | 0.66 |
| 62.00 | SillyOCMW 3%O 77%W 20%M | 0.87 |
| 62.00 | OCM 5%O 95%M | 0.87 |
| 0.00 | 265 GIP | 0.00 |
| 0.00 | Rw .09 @ 80 = 80000ppm | 0.00 |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

Weigel B # 1

Box 352
Russell KS 67665

27 12 15 Russell KS

ATTN: John Farmer

Job Ticket: 25082

DST#: 1

Test Start: 2006.05.29 @ 05:05:31

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 2860.00 ft | Diameter: 3.80 inches | Volume: 40.12 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 119.00 ft | Diameter: 2.25 inches | Volume: 0.59 bbl | Weight to Pull Loose: 50000.00 lb |
| | | | <u>Total Volume: 40.71 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 12.00 ft | | | String Weight: Initial 42000.00 lb |
| Depth to Top Packer: | 2988.00 ft | | | Final 43000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 38.00 ft | | | |
| Tool Length: | 59.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|---------------------------|--------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 2968.00 | |
| Shut In Tool | 5.00 | | | 2973.00 | |
| Hydraulic tool | 5.00 | | | 2978.00 | |
| Packer | 5.00 | | | 2983.00 | 21.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 2988.00 | |
| Stubb | 1.00 | | | 2989.00 | |
| Recorder | 0.00 | 6741 | Inside | 2989.00 | |
| Perforations | 34.00 | | | 3023.00 | |
| Recorder | 0.00 | 13254 | Outside | 3023.00 | |
| Bullnose | 3.00 | | | 3026.00 | 38.00 Bottom Packers & Anchor |
| Total Tool Length: | 59.00 | | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Weigel B # 1

Box 352
Russell KS 67665

27 12 15 Russell KS

ATTN: John Farmer

Job Ticket: 25082

DST#: 1

Test Start: 2006.05.29 @ 05:05:31

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 8.77 in³

Resistivity: ohm.m

Salinity: 2500.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: 80000 ppm

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------------------|---------------|
| 124.00 | MW 80%W 20%M | 0.655 |
| 62.00 | SillyOCMW 3%O 77%W 20%M | 0.870 |
| 62.00 | OCM 5%O 95%M | 0.870 |
| 0.00 | 265 GIP | 0.000 |
| 0.00 | Rw .09 @ 80 = 80000ppm | 0.000 |

Total Length: 248.00 ft Total Volume: 2.395 bbl

Num Fluid Samples: 0

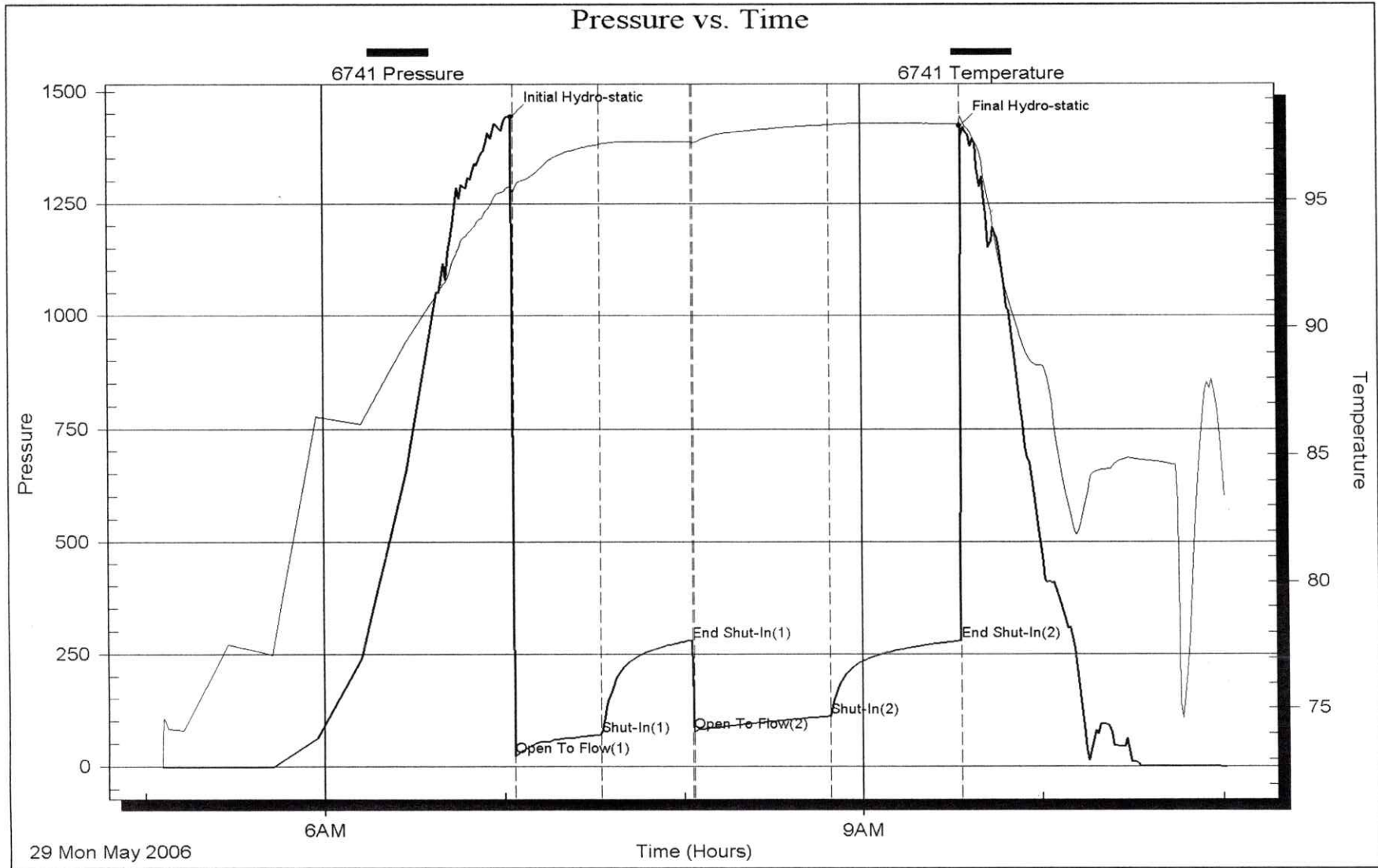
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

Box 352
Russell KS 67665

ATTN: John Farmer

27 12 15 Russell KS

Weigel B # 1

Start Date: 2006.05.29 @ 18:45:36

End Date: 2006.05.30 @ 01:45:51

Job Ticket #: 25083 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

John O Farmer Inc

Weigel B # 1

27 12 15 Russell KS

DST # 2

E-F-G

LKC

2006.05.29



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer Inc

Box 352
Russell KS 67665

ATTN: John Farmer

Weigel B # 1

27 12 15 Russell KS

Job Ticket: 25083

DST#: 2

Test Start: 2006.05.29 @ 18:45:36

GENERAL INFORMATION:

Formation: **E-F-G LKC**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: 20:17:06
 Time Test Ended: 01:45:51

Test Type: Conventional Bottom Hole
 Tester: Dan Bangle
 Unit No: 21

Interval: **3036.00 ft (KB) To 3080.00 ft (KB) (TVD)**
 Total Depth: 3080.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

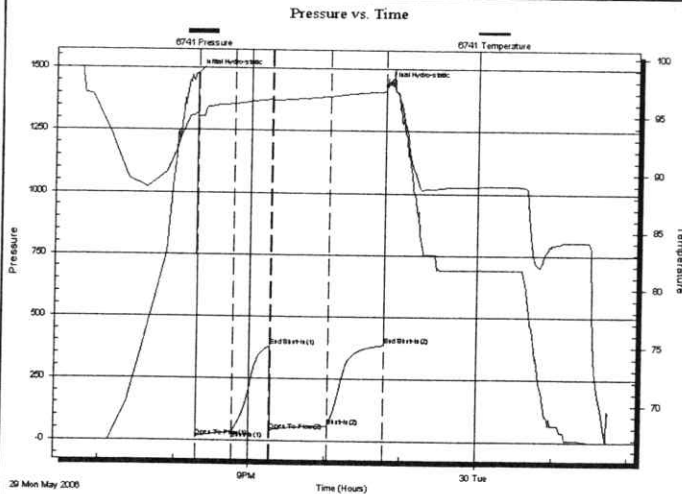
Reference Elevations: 1814.00 ft (KB)
 1809.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6741 Inside

Press@RunDepth: 60.06 psig @ 3037.00 ft (KB)
 Start Date: 2006.05.29 End Date: 2006.05.30
 Start Time: 18:45:38 End Time: 01:45:51

Capacity: 7000.00 psig
 Last Calib.: 2006.05.30
 Time On Btm: 2006.05.29 @ 20:16:51
 Time Off Btm: 2006.05.29 @ 22:46:36

TEST COMMENT: IF Weak building to 2 in
 FF Weak building to strong B-B in 20 min
 Times 30 30 45 45



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1476.63 | 95.19 | Initial Hydro-static |
| 1 | 13.90 | 94.85 | Open To Flow (1) |
| 30 | 37.93 | 96.01 | Shut-In(1) |
| 60 | 378.81 | 96.42 | End Shut-In(1) |
| 60 | 40.76 | 96.34 | Open To Flow (2) |
| 105 | 60.06 | 96.69 | Shut-In(2) |
| 150 | 384.88 | 97.15 | End Shut-In(2) |
| 150 | 1433.13 | 97.38 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------|--------------|
| 60.00 | HOCM 20%O 80%M | 0.30 |
| 65.00 | OCM 10%O 90%M | 0.37 |
| 0.00 | 365 GIP | 0.00 |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

Weigel B # 1

Box 352
Russell KS 67665

27 12 15 Russell KS

ATTN: John Farmer

Job Ticket: 25083

DST#: 2

Test Start: 2006.05.29 @ 18:45:36

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|-------------------|------------------------------------|
| Drill Pipe: | Length: 2917.00 ft | Diameter: 3.80 inches | Volume: 40.92 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 119.00 ft | Diameter: 2.25 inches | Volume: 0.59 bbl | Weight to Pull Loose: 50000.00 lb |
| | | <u>Total Volume:</u> | <u>41.51 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 21.00 ft | | | String Weight: Initial 43000.00 lb |
| Depth to Top Packer: | 3036.00 ft | | | Final 43000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 44.00 ft | | | |
| Tool Length: | 65.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|---------------------------|--------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 3016.00 | |
| Shut In Tool | 5.00 | | | 3021.00 | |
| Hydraulic tool | 5.00 | | | 3026.00 | |
| Packer | 5.00 | | | 3031.00 | 21.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3036.00 | |
| Stubb | 1.00 | | | 3037.00 | |
| Recorder | 0.00 | 6741 | Inside | 3037.00 | |
| Perforations | 40.00 | | | 3077.00 | |
| Recorder | 0.00 | 13254 | Outside | 3077.00 | |
| Bullnose | 3.00 | | | 3080.00 | 44.00 Bottom Packers & Anchor |
| Total Tool Length: | 65.00 | | | | |



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Weigel B # 1

Box 352
Russell KS 67665

27 12 15 Russell KS

ATTN: John Farmer

Job Ticket: 25083

DST#: 2

Test Start: 2006.05.29 @ 18:45:36

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 8.77 in³

Resistivity: ohm.m

Salinity: 3000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity: ppm

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|----------------|---------------|
| 60.00 | HOCM 20%O 80%M | 0.295 |
| 65.00 | OCM 10%O 90%M | 0.374 |
| 0.00 | 365 GIP | 0.000 |

Total Length: 125.00 ft Total Volume: 0.669 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

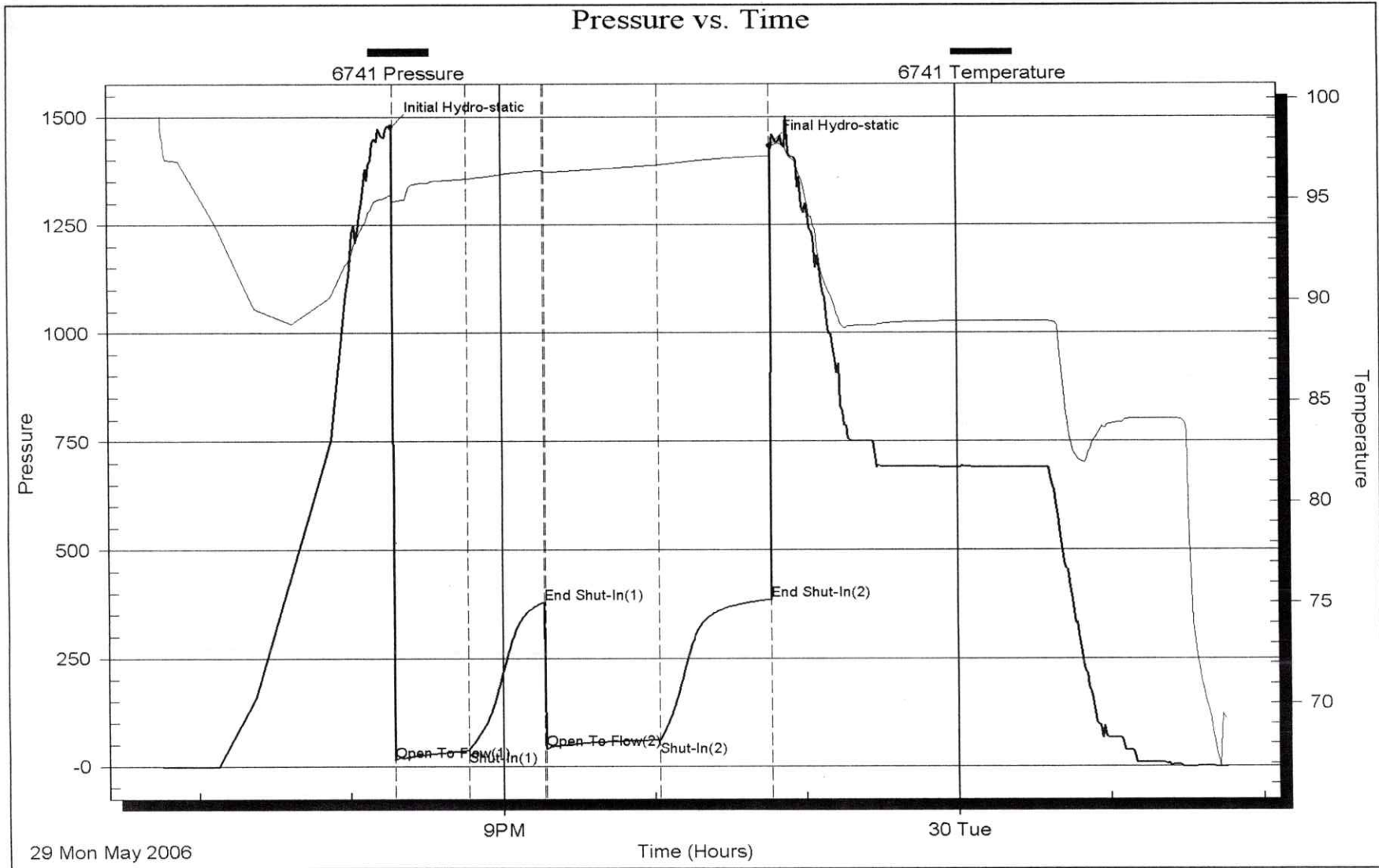
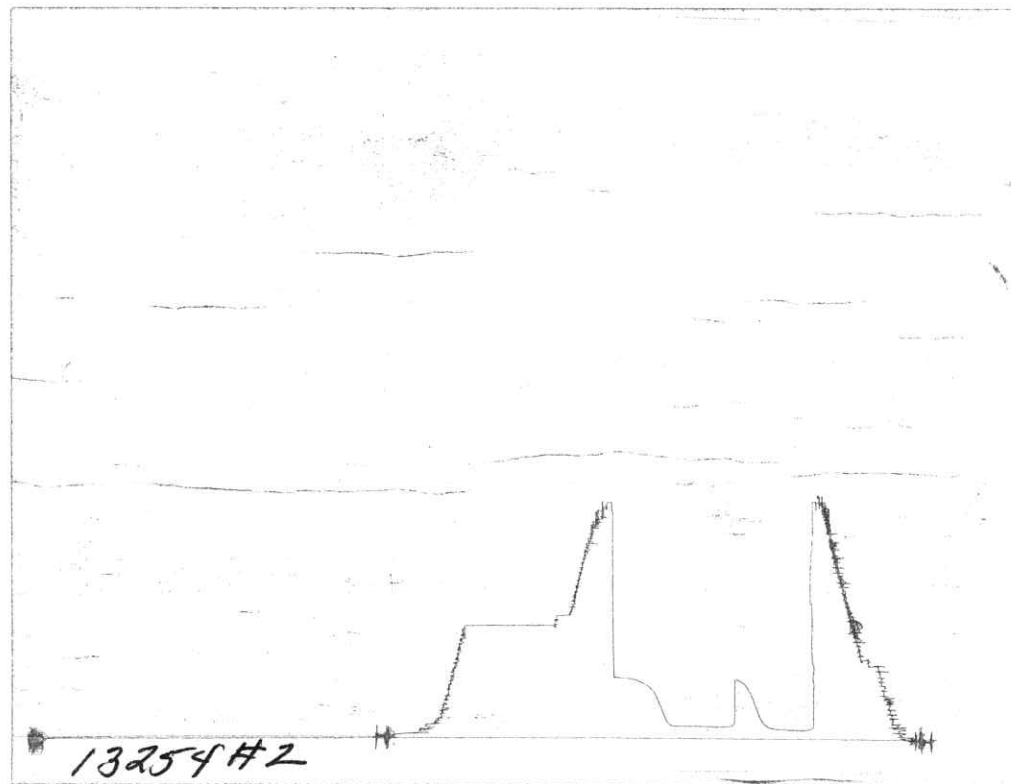
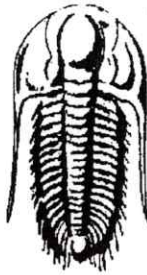


CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

Box 352
Russell KS 67665

ATTN: John Farmer

27 12 15 Russell KS

Weigel B # 1

Start Date: 2006.05.30 @ 12:15:25

End Date: 2006.05.30 @ 18:50:40

Job Ticket #: 25084 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

John O Farmer Inc

Weigel B # 1

27 12 15 Russell KS

DST # 3

H-I-J-

2006.05.30



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer Inc

Box 352
Russell KS 67665

ATTN: John Farmer

Weigel B # 1

27 12 15 Russell KS

Job Ticket: 25084

DST#: 3

Test Start: 2006.05.30 @ 12:15:25

GENERAL INFORMATION:

Formation: **H-I-J-**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:53:55

Time Test Ended: 18:50:40

Test Type: Conventional Bottom Hole

Tester: Dan Bangle

Unit No: 21

Interval: **3104.00 ft (KB) To 3172.00 ft (KB) (TVD)**

Total Depth: 3172.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1814.00 ft (KB)

1809.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6741

Inside

Press@RunDepth: 101.03 psig @ 3111.00 ft (KB)

Start Date: 2006.05.30

End Date:

2006.05.30

Start Time: 12:15:27

End Time:

18:50:40

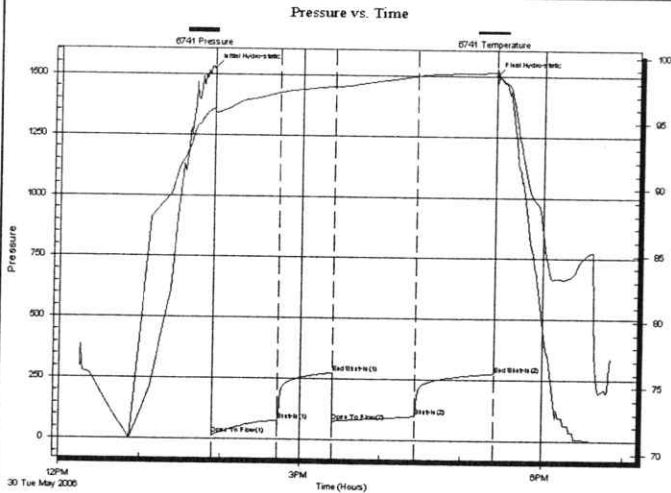
Capacity: 7000.00 psig

Last Calib.: 2006.05.30

Time On Btm: 2006.05.30 @ 13:53:25

Time Off Btm: 2006.05.30 @ 17:24:40

TEST COMMENT: IF Weak building to 1 1/2 in
FF Weak building to 1/4 in
Times 45 45 60 60



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1525.17 | 96.01 | Initial Hydro-static |
| 1 | 15.11 | 95.73 | Open To Flow (1) |
| 50 | 76.18 | 97.24 | Shut-In(1) |
| 91 | 276.12 | 97.73 | End Shut-In(1) |
| 92 | 77.62 | 97.68 | Open To Flow (2) |
| 153 | 101.03 | 98.55 | Shut-In(2) |
| 211 | 277.22 | 98.86 | End Shut-In(2) |
| 212 | 1502.00 | 99.18 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|------------------------|--------------|
| 190.00 | MW | 1.58 |
| 0.00 | Rw .12 @ 80 = 63000ppm | 0.00 |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

Weigel B # 1

Box 352
Russell KS 67665

27 12 15 Russell KS

Job Ticket: 25084

DST#: 3

ATTN: John Farmer

Test Start: 2006.05.30 @ 12:15:25

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|-------------------|------------------------------------|
| Drill Pipe: | Length: 2978.00 ft | Diameter: 3.80 inches | Volume: 41.77 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 119.00 ft | Diameter: 2.25 inches | Volume: 0.59 bbl | Weight to Pull Loose: 44000.00 lb |
| | | <u>Total Volume:</u> | <u>42.36 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 14.00 ft | | | String Weight: Initial 43000.00 lb |
| Depth to Top Packer: | 3104.00 ft | | | Final 43000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 68.00 ft | | | |
| Tool Length: | 89.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 3084.00 | |
| Shut In Tool | 5.00 | | | 3089.00 | |
| Hydraulic tool | 5.00 | | | 3094.00 | |
| Packer | 5.00 | | | 3099.00 | 21.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3104.00 | |
| Stubb | 1.00 | | | 3105.00 | |
| Perforations | 5.00 | | | 3110.00 | |
| Change Over Sub | 1.00 | | | 3111.00 | |
| Recorder | 0.00 | 6741 | Inside | 3111.00 | |
| Drill Pipe | 31.00 | | | 3142.00 | |
| Change Over Sub | 1.00 | | | 3143.00 | |
| Recorder | 0.00 | 13254 | Outside | 3143.00 | |
| Perforations | 26.00 | | | 3169.00 | |
| Bullnose | 3.00 | | | 3172.00 | 68.00 Bottom Packers & Anchor |

Total Tool Length: 89.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Weigel B # 1

Box 352
Russell KS 67665

27 12 15 Russell KS

ATTN: John Farmer

Job Ticket: 25084

DST#: 3

Test Start: 2006.05.30 @ 12:15:25

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 10.38 in³

Resistivity: ohm.m

Salinity: 5000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity: 63000 ppm

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|------------------------|---------------|
| 190.00 | MW | 1.581 |
| 0.00 | Rw .12 @ 80 = 63000ppm | 0.000 |

Total Length: 190.00 ft Total Volume: 1.581 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

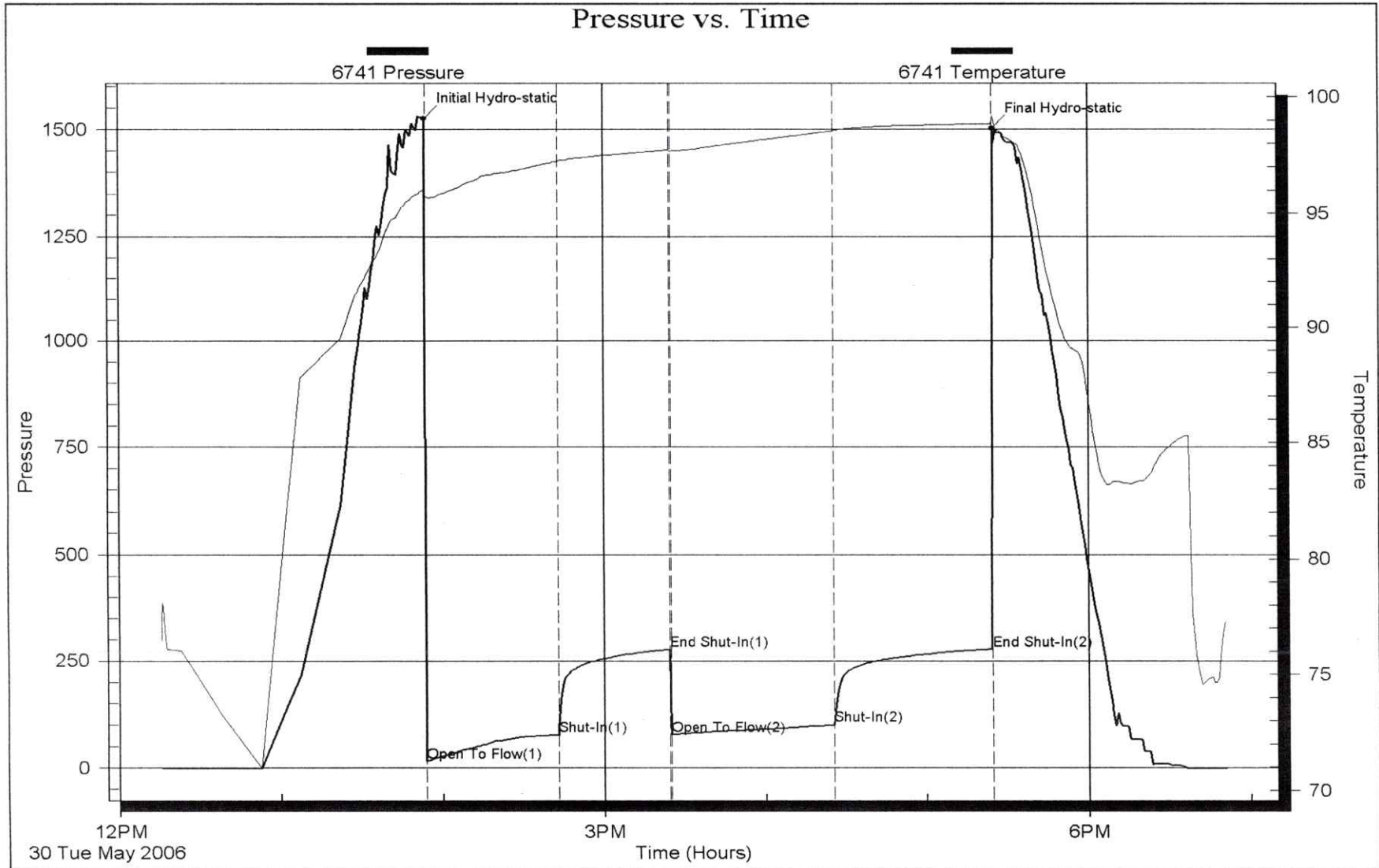
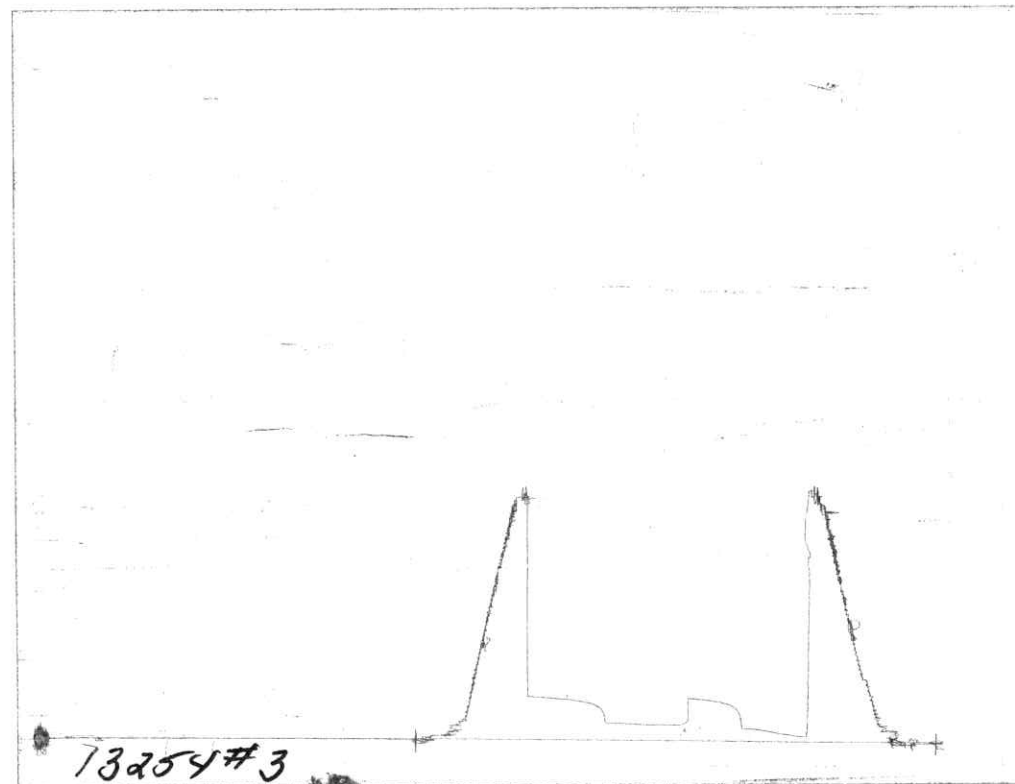
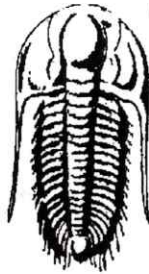


CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

Box 352
Russell KS 67665

ATTN: John Farmer

27 12 15 Russell KS

Weigel B # 1

Start Date: 2006.05.31 @ 11:40:13

End Date: 2006.05.31 @ 17:51:43

Job Ticket #: 25085 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

John O Farmer Inc

Weigel B # 1

27 12 15 Russell KS

DST # 4

Arbuckle

2006.05.31



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer Inc

Weigel B # 1

Box 352
Russell KS 67665

27 12 15 Russell KS

Job Ticket: 25085

DST#: 4

ATTN: John Farmer

Test Start: 2006.05.31 @ 11:40:13

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:19:58
 Time Test Ended: 17:51:43

Test Type: Conventional Straddle
 Tester: Dan Bangle
 Unit No: 21

Interval: **3245.00 ft (KB) To 3270.00 ft (KB) (TVD)**
 Total Depth: 3310.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1814.00 ft (KB)
 1809.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6741

Inside

Press@RunDepth: 353.90 psig @ 3246.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2006.05.31

End Date: 2006.05.31

Last Calib.: 2006.05.31

Start Time: 11:40:15

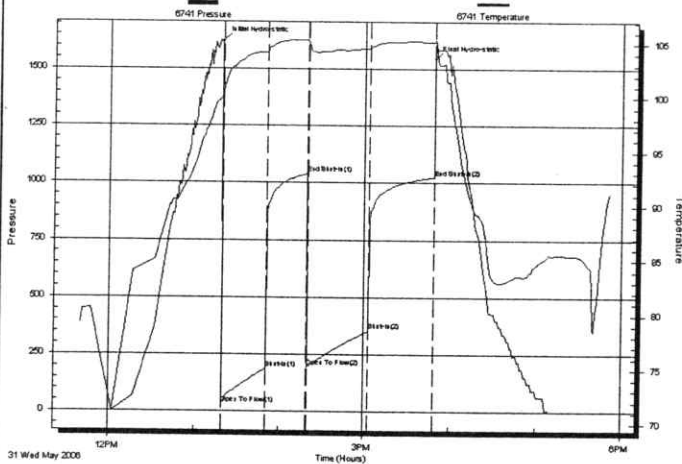
End Time: 17:51:43

Time On Btm: 2006.05.31 @ 13:19:28

Time Off Btm: 2006.05.31 @ 15:48:58

TEST COMMENT: IF Strong B-B in 5 min
 FF Strong B-B in 7 min
 Times 30 30 45 45

Pressure vs. Time



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1621.46 | 100.06 | Initial Hydro-static |
| 1 | 28.47 | 100.37 | Open To Flow (1) |
| 32 | 187.88 | 104.22 | Shut-In(1) |
| 60 | 1038.33 | 105.35 | End Shut-In(1) |
| 61 | 194.20 | 105.13 | Open To Flow (2) |
| 105 | 353.90 | 104.52 | Shut-In(2) |
| 150 | 1024.04 | 105.22 | End Shut-In(2) |
| 150 | 1543.27 | 105.35 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------|--------------|
| 60.00 | HMCO 80%O 20%M | 0.30 |
| 870.00 | CO | 11.67 |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

Weigel B # 1

Box 352
Russell KS 67665

27 12 15 Russell KS

Job Ticket: 25085

DST#: 4

ATTN: John Farmer

Test Start: 2006.05.31 @ 11:40:13

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3133.00 ft | Diameter: 3.80 inches | Volume: 43.95 bbl | Tool Weight: 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 25000.00 lb |
| Drill Collar: | Length: 119.00 ft | Diameter: 2.25 inches | Volume: 0.59 bbl | Weight to Pull Loose: 60000.00 lb |
| | | | Total Volume: 44.54 bbl | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 28.00 ft | | | String Weight: Initial 43000.00 lb |
| Depth to Top Packer: | 3245.00 ft | | | Final 47000.00 lb |
| Depth to Bottom Packer: | 3270.00 ft | | | |
| Interval between Packers: | 25.00 ft | | | |
| Tool Length: | 86.00 ft | | | |
| Number of Packers: | 3 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 3225.00 | |
| Shut In Tool | 5.00 | | | 3230.00 | |
| Hydraulic tool | 5.00 | | | 3235.00 | |
| Packer | 5.00 | | | 3240.00 | 21.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3245.00 | |
| Stubb | 1.00 | | | 3246.00 | |
| Recorder | 0.00 | 6741 | Inside | 3246.00 | |
| Perforations | 20.00 | | | 3266.00 | |
| Recorder | 0.00 | 13254 | Outside | 3266.00 | |
| Blank Off Sub | 1.00 | | | 3267.00 | |
| Blank Spacing | 3.00 | | | 3270.00 | 25.00 Tool Interval |
| Packer | 2.00 | | | 3272.00 | |
| Stubb | 1.00 | | | 3273.00 | |
| Perforations | 1.00 | | | 3274.00 | |
| Change Over Sub | 1.00 | | | 3275.00 | |
| Recorder | 0.00 | 13248 | Outside | 3275.00 | |
| Drill Pipe | 29.00 | | | 3304.00 | |
| Change Over Sub | 1.00 | | | 3305.00 | |
| Perforations | 2.00 | | | 3307.00 | |
| Bullnose | 3.00 | | | 3310.00 | 40.00 Bottom Packers & Anchor |

Total Tool Length: 86.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Weigel B # 1

Box 352
Russell KS 67665

27 12 15 Russell KS

Job Ticket: 25085

DST#: 4

ATTN: John Farmer

Test Start: 2006.05.31 @ 11:40:13

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 53.00 sec/qt

Water Loss: 9.99 in³

Resistivity: ohm.m

Salinity: 4000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

30 deg API

Water Salinity: ppm

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|----------------|---------------|
| 60.00 | HMCO 80%O 20%M | 0.295 |
| 870.00 | CO | 11.666 |

Total Length: 930.00 ft Total Volume: 11.961 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

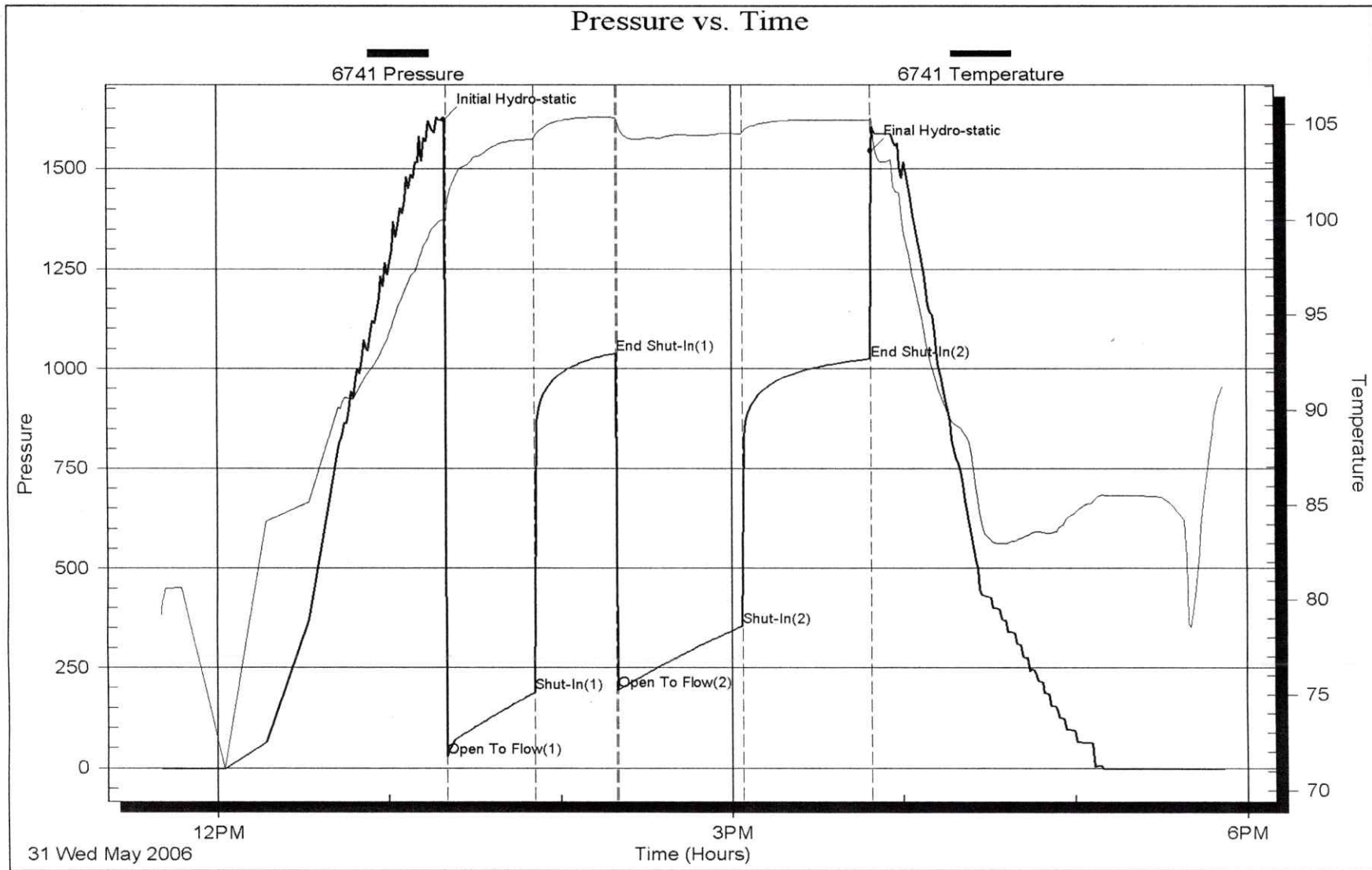


CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

