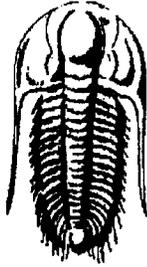


15-033-21474



**TRILOBITE
TESTING, INC.**

**KCC
DEC 07 2006
CONFIDENTIAL**

DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co LLC**

125 N Market Ste 1000
Wichita KS 67202

ATTN: Bob Bayer

32 31 17 Commanche K

York B-1

Start Date: 2006.08.19 @ 09:23:13

End Date: 2006.08.19 @ 15:10:28

Job Ticket #: 24927 DST #: 1

SEP 01 2006

**RECEIVED
KANSAS CORPORATION COMMISSION**

DEC 07 2006

**CONSERVATION DIVISION
WICHITA, KS**

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

Woolsey Operating Co LLC

York B-1

32 31 17 Commanche K

DST # 1

Mississpian-Spergen

2006.08.19



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Woolsey Operating Co LLC

125 N Market Ste 1000
Wichita KS 67202

ATTN: Bob Bayer

York B-1

32 31 17 Commanche K

Job Ticket: 24927

DST#: 1

Test Start: 2006.08.19 @ 09:23:13

GENERAL INFORMATION:

Formation: **Mississippian-Spergen**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 12:17:13

Time Test Ended: 15:10:28

Test Type: Conventional Bottom Hole

Tester: Les Adams

Unit No: 30

Interval: **5120.00 ft (KB) To 5154.00 ft (KB) (TVD)**

Total Depth: **5154.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: Fair

Reference Elevations: **2133.00 ft (KB)**

2122.00 ft (CF)

KB to GR/CF: **11.00 ft**

Serial #: 6668

Inside

Press@RunDepth: **psig @ 5121.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2006.08.19**

End Date: **2006.08.19**

Last Calib.: **2006.08.19**

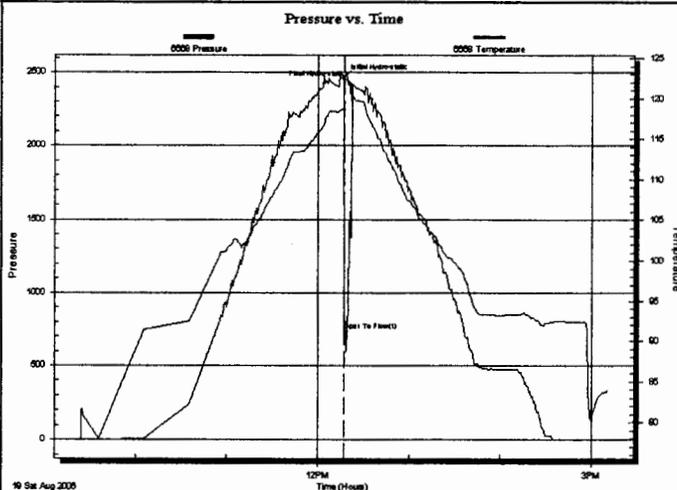
Start Time: **09:23:14**

End Time: **15:10:28**

Time On Btm: **2006.08.19 @ 12:16:28**

Time Off Btm: **2006.08.19 @ 12:21:58**

TEST COMMENT: IF Tool opened Hole took fluid sat more w eight on packers hole kept taking fluid Packers failed Tripped out w ith tool



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2462.43 | 118.70 | Initial Hydro-static |
| 1 | 742.77 | 122.62 | Open To Flow (1) |
| 6 | 2415.37 | 120.75 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------|--------------|
| 30.00 | DRLGM 100%Mud | 0.15 |
| 470.00 | DRLGM 100%Mud | 6.59 |
| 0.00 | | 0.00 |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Co LLC

York B-1

125 N Market Ste 1000
Wichita KS 67202

32 31 17 Commanche K

Job Ticket: 24927

DST#: 1

ATTN: Bob Bayer

Test Start: 2006.08.19 @ 09:23:13

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 5083.00 ft | Diameter: 3.80 inches | Volume: 71.30 bbl | Tool Weight: 2100.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 30.00 ft | Diameter: 2.25 inches | Volume: 0.15 bbl | Weight to Pull Loose: 70000.00 lb |
| | | | <u>Total Volume: 71.45 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 22.00 ft | | | String Weight: Initial 64000.00 lb |
| Depth to Top Packer: | 5120.00 ft | | | Final 68000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 34.00 ft | | | |
| Tool Length: | 63.00 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 | | | 5092.00 | |
| Shut In Tool | 5.00 | | | 5097.00 | |
| Hydraulic tool | 5.00 | | | 5102.00 | |
| Jars | 5.00 | | | 5107.00 | |
| Safety Joint | 3.00 | | | 5110.00 | |
| Packer | 5.00 | | | 5115.00 | 29.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 5120.00 | |
| Stubb | 1.00 | | | 5121.00 | |
| Recorder | 0.00 | 6668 | Inside | 5121.00 | |
| Anchor | 30.00 | | | 5151.00 | |
| Recorder | 0.00 | 13266 | Outside | 5151.00 | |
| Bullnose | 3.00 | | | 5154.00 | 34.00 Bottom Packers & Anchor |

Total Tool Length: 63.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co LLC

York B-1

125 N Market Ste 1000
Wichita KS 67202

32 31 17 Commanche K

Job Ticket: 24927

DST#: 1

ATTN: Bob Bayer

Test Start: 2006.08.19 @ 09:23:13

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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|---------------|----------------|
| 30.00 | DRLGM 100%Mud | 0.148 |
| 470.00 | DRLGM 100%Mud | 6.593 |
| 0.00 | | 0.000 |

Total Length: 500.00 ft

Total Volume: 6.741 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

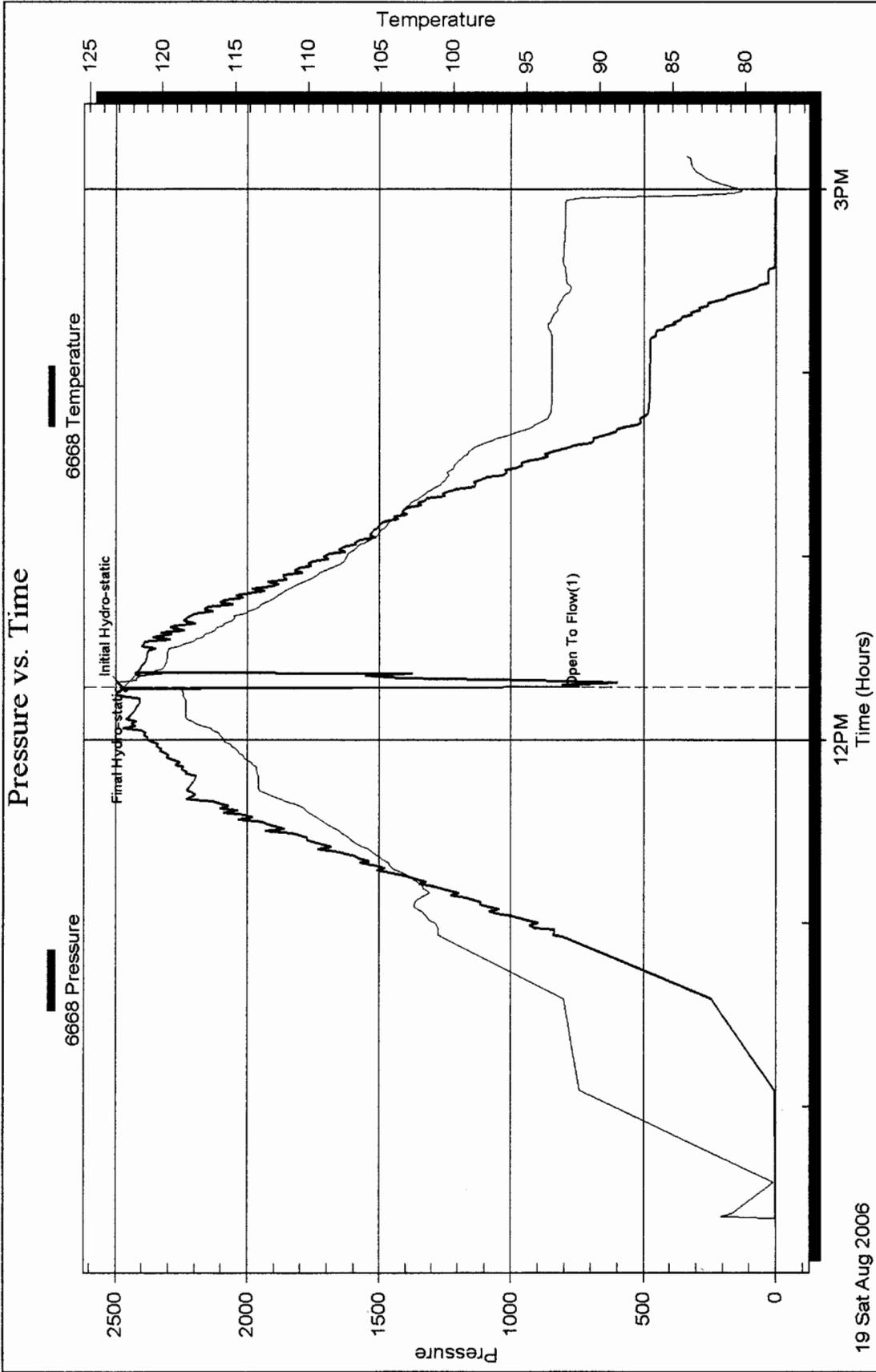
Recovery Comments:

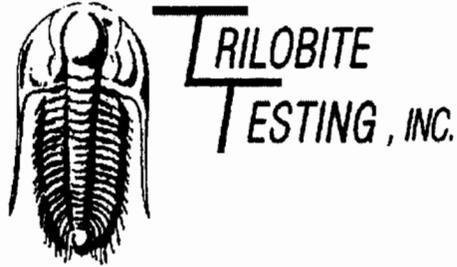
Serial #: 6668

Inside Woodsey Operating Co LLC

32 31 17 Commanche K

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co LLC**

125 N Market Ste 1000
Wichita KS 67202

ATTN: Bob Bayer

32 31 17 Commanche K

York B-1

Start Date: 2006.08.19 @ 22:53:20

End Date: 2006.08.20 @ 10:32:20

Job Ticket #: 24928 DST #: 2

RECEIVED
KANSAS CORPORATION COMMISSION

DEC 07 2006

CONSERVATION DIVISION
WICHITA, KS

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Woolsey Operating Co LLC

125 N Market Ste 1000
Wichita KS 67202

ATTN: Bob Bayer

York B-1

32 31 17 Commanche K

Job Ticket: 24928

DST#: 2

Test Start: 2006.08.19 @ 22:53:20

GENERAL INFORMATION:

Formation: **Mississippian-Sperge**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:54:35

Time Test Ended: 10:32:20

Test Type: Conventional Bottom Hole

Tester: Les Adams

Unit No: 30

Interval: **5098.00 ft (KB) To 5163.00 ft (KB) (TVD)**

Total Depth: 5163.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2133.00 ft (KB)

2122.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6668

Inside

Press@RunDepth: 173.42 psig @ 5099.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2006.08.19

End Date: 2006.08.20

Last Calib.: 2006.08.20

Start Time: 22:53:21

End Time: 10:32:20

Time On Btm: 2006.08.20 @ 01:52:50

Time Off Btm: 2006.08.20 @ 06:23:35

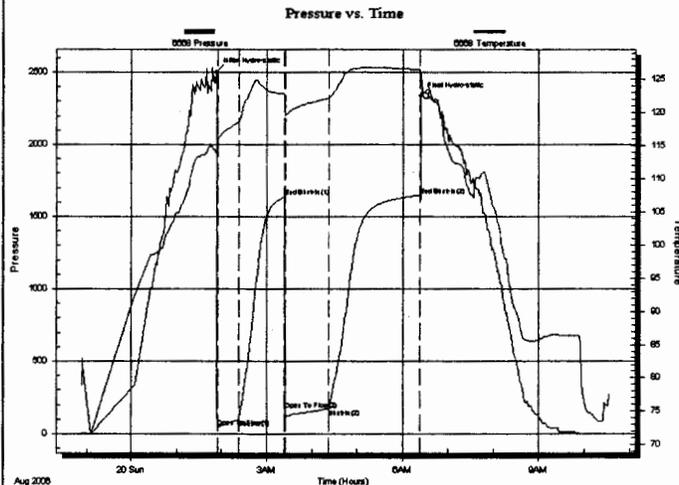
TEST COMMENT:

IF Strong blow BOB in 30 secs.

ISI Strong blow back BOB lasting 25 mins. Slowly decreasing

FF Strong blow . B.O.B. at opening.GTS at opening (TSTM)

FSI Strong blow back BOB lasting 15 mins. Slowly d



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2504.15 | 113.87 | Initial Hydro-static |
| 2 | 44.20 | 115.73 | Open To Flow (1) |
| 31 | 97.72 | 118.58 | Shut-In(1) |
| 91 | 1636.32 | 122.82 | End Shut-In(1) |
| 92 | 161.55 | 119.77 | Open To Flow (2) |
| 151 | 173.42 | 122.18 | Shut-In(2) |
| 271 | 1646.37 | 126.47 | End Shut-In(2) |
| 271 | 2338.43 | 126.45 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------------------|--------------|
| 420.00 | W&MGCO 5%W 15%M 20%G 60%O | 5.62 |
| 56.00 | DRLGM 100%Mud | 0.79 |
| 0.00 | | 0.00 |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Co LLC

York B-1

125 N Market Ste 1000
Wichita KS 67202

32 31 17 Commanche K

Job Ticket: 24928

DST#: 2

ATTN: Bob Bayer

Test Start: 2006.08.19 @ 22:53:20

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 5053.00 ft | Diameter: 3.80 inches | Volume: 70.88 bbl | Tool Weight: 2100.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 30.00 ft | Diameter: 2.25 inches | Volume: 0.15 bbl | Weight to Pull Loose: 70000.00 lb |
| | | | <u>Total Volume: 71.03 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 14.00 ft | | | String Weight: Initial 64000.00 lb |
| Depth to Top Packer: | 5098.00 ft | | | Final 65000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 65.00 ft | | | |
| Tool Length: | 94.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|---------------------------|--------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 5070.00 | |
| Shut In Tool | 5.00 | | | 5075.00 | |
| Hydraulic tool | 5.00 | | | 5080.00 | |
| Jars | 5.00 | | | 5085.00 | |
| Safety Joint | 3.00 | | | 5088.00 | |
| Packer | 5.00 | | | 5093.00 | 29.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 5098.00 | |
| Stubb | 1.00 | | | 5099.00 | |
| Recorder | 0.00 | 6668 | Inside | 5099.00 | |
| Perforations | 14.00 | | | 5113.00 | |
| Change Over Sub | 1.00 | | | 5114.00 | |
| Blank Spacing | 30.00 | | | 5144.00 | |
| Change Over Sub | 1.00 | | | 5145.00 | |
| Perforations | 15.00 | | | 5160.00 | |
| Recorder | 0.00 | 13266 | Outside | 5160.00 | |
| Bullnose | 3.00 | | | 5163.00 | 65.00 Bottom Packers & Anchor |
| Total Tool Length: | 94.00 | | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co LLC

York B-1

125 N Market Ste 1000
Wichita KS 67202

32 31 17 Commanche K

Job Ticket: 24928

DST#: 2

ATTN: Bob Bayer

Test Start: 2006.08.19 @ 22:53:20

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: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---------------------------|---------------|
| 420.00 | W&MGCO 5%W 15%M 20%G 60%O | 5.618 |
| 56.00 | DRLGM 100%Mud | 0.786 |
| 0.00 | | 0.000 |

Total Length: 476.00 ft

Total Volume: 6.404 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

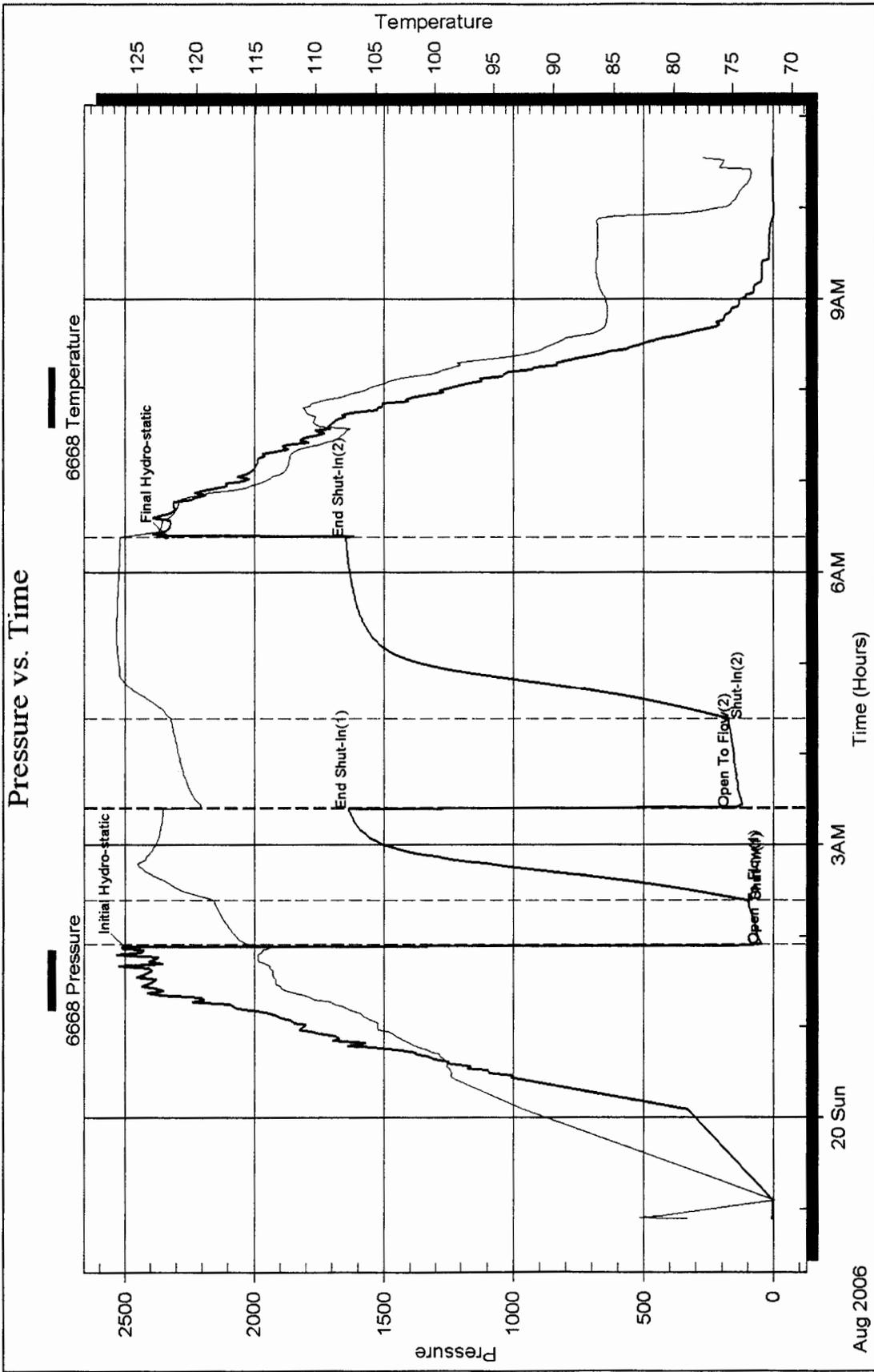
Serial #: 6668

Inside

Woodsey Operating Co LLC

32 31 17 Commanche K

DST Test Number: 2





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co LLC**

125 N Market Ste 1000
Wichita KS 67202

ATTN: Bob Bayer

32 31 17 Commanche K

York B-1

Start Date: 2006.08.20 @ 22:26:23

End Date: 2006.08.21 @ 09:40:23

Job Ticket #: 24929 DST #: 3

**RECEIVED
KANSAS CORPORATION COMMISSION**

DEC 07 2006

**CONSERVATION DIVISION
WICHITA, KS**

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Woolsey Operating Co LLC

York B-1

125 N Market Ste 1000
Wichita KS 67202

32 31 17 Commanche K

ATTN: Bob Bayer

Job Ticket: 24929

DST#: 3

Test Start: 2006.08.20 @ 22:26:23

GENERAL INFORMATION:

Formation: **Warsaw W-B (Miss.)**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:36:38

Time Test Ended: 09:40:23

Test Type: Conventional Bottom Hole

Tester: Les Adams

Unit No: 30

Interval: **5166.00 ft (KB) To 5232.00 ft (KB) (TVD)**

Total Depth: 5232.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2133.00 ft (KB)

2122.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6668

Inside

Press@RunDepth: 44.73 psig @ 5167.00 ft (KB)

Start Date: 2006.08.20

End Date: 2006.08.21

Start Time: 22:26:24

End Time: 09:40:23

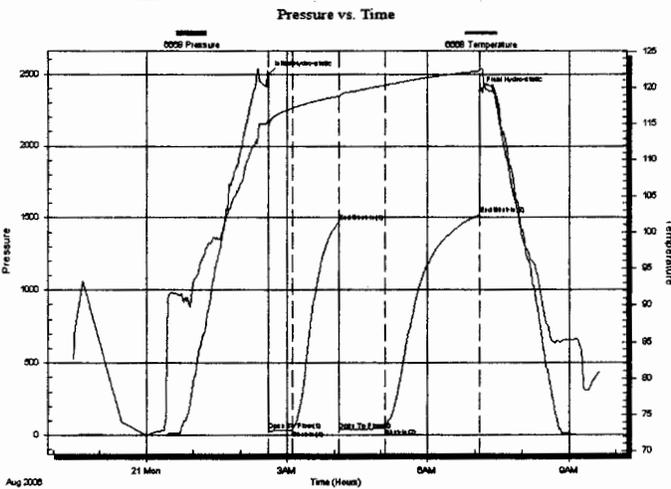
Capacity: 7000.00 psig

Last Calib.: 2006.08.21

Time On Btm: 2006.08.21 @ 02:36:23

Time Off Btm: 2006.08.21 @ 07:06:53

TEST COMMENT: IF Fair blow Built to 9" in bucket.
ISI 2" blow back Dead in 6 mins.
FF Weak blow Built to 3" in bucket.
FSI Weak blow back Surface blow Dead in 2 mins.



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2497.27 | 115.24 | Initial Hydro-static |
| 1 | 32.12 | 114.55 | Open To Flow (1) |
| 31 | 35.12 | 117.19 | Shut-In(1) |
| 90 | 1472.57 | 118.84 | End Shut-In(1) |
| 91 | 31.61 | 118.56 | Open To Flow (2) |
| 150 | 44.73 | 120.34 | Shut-In(2) |
| 271 | 1522.12 | 122.32 | End Shut-In(2) |
| 271 | 2383.73 | 122.58 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 65.00 | DRLGM 100%M | 0.64 |
| 0.00 | | 0.00 |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Co LLC

York B-1

125 N Market Ste 1000
Wichita KS 67202

32 31 17 Commanche K

Job Ticket: 24929

DST#: 3

ATTN: Bob Bayer

Test Start: 2006.08.20 @ 22:26:23

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|-------------------|------------------------------------|
| Drill Pipe: | Length: 5119.00 ft | Diameter: 3.80 inches | Volume: 71.81 bbl | Tool Weight: 2100.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 30.00 ft | Diameter: 2.25 inches | Volume: 0.15 bbl | Weight to Pull Loose: 82000.00 lb |
| | | <u>Total Volume:</u> | <u>71.96 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 12.00 ft | | | String Weight: Initial 62000.00 lb |
| Depth to Top Packer: | 5166.00 ft | | | Final 64000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 66.00 ft | | | |
| Tool Length: | 95.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|---------------------------|--------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 5138.00 | |
| Shut In Tool | 5.00 | | | 5143.00 | |
| Hydraulic tool | 5.00 | | | 5148.00 | |
| Jars | 5.00 | | | 5153.00 | |
| Safety Joint | 3.00 | | | 5156.00 | |
| Packer | 5.00 | | | 5161.00 | 29.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 5166.00 | |
| Stubb | 1.00 | | | 5167.00 | |
| Recorder | 0.00 | 6668 | Inside | 5167.00 | |
| Anchor | 14.00 | | | 5181.00 | |
| Change Over Sub | 1.00 | | | 5182.00 | |
| Blank Spacing | 31.00 | | | 5213.00 | |
| Change Over Sub | 1.00 | | | 5214.00 | |
| Perforations | 15.00 | | | 5229.00 | |
| Recorder | 0.00 | 13266 | Outside | 5229.00 | |
| Bullnose | 3.00 | | | 5232.00 | 66.00 Bottom Packers & Anchor |
| Total Tool Length: | 95.00 | | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co LLC

York B-1

125 N Market Ste 1000
Wichita KS 67202

32 31 17 Commanche K

Job Ticket: 24929

DST#: 3

ATTN: Bob Bayer

Test Start: 2006.08.20 @ 22:26:23

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: 48.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 11.97 in ³ | Gas Cushion Type: | | |
| Resistivity: 0.00 ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 13000.00 ppm | | | |
| Filter Cake: 0.20 inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 65.00 | DRLGM 100%M | 0.638 |
| 0.00 | | 0.000 |

Total Length: 65.00 ft Total Volume: 0.638 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

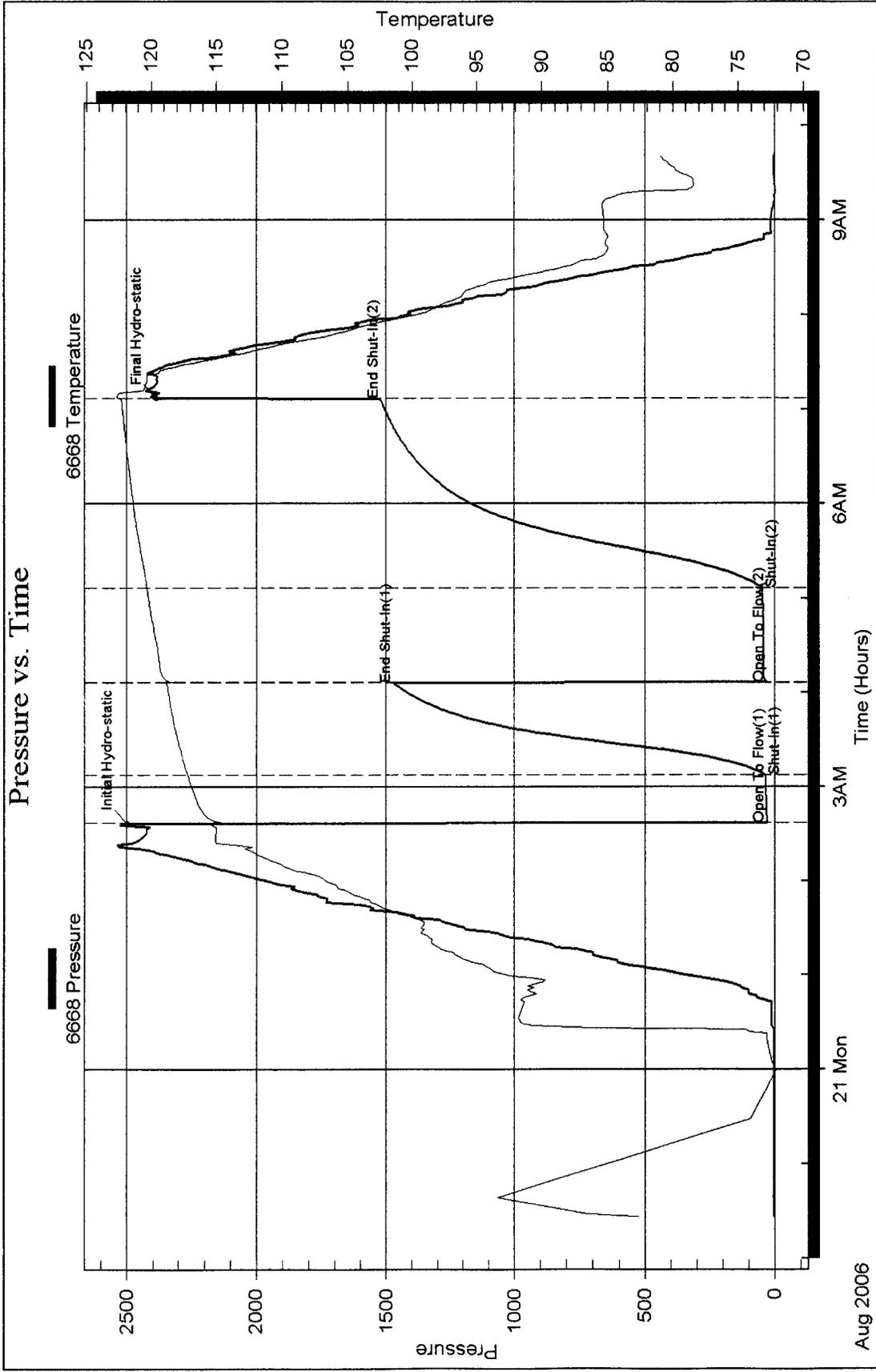
Serial #: 6668

Inside

Woodsey Operating Co LLC

32 31 17 Commanche K

DST Test Number: 3





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co LLC**

125 N Market Ste 1000
Wichita KS 67202

ATTN: Bob Bayer

32 31 17 Commanche K

York B-1

Start Date: 2006.08.21 @ 19:44:13

End Date: 2006.08.22 @ 05:53:58

Job Ticket #: 24930 DST #: 4

**RECEIVED
KANSAS CORPORATION COMMISSION**

DEC 07 2006

**CONSERVATION DIVISION
WICHITA, KS**

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Woolsey Operating Co LLC

York B-1

125 N Market Ste 1000
Wichita KS 67202

32 31 17 Commanche K

Job Ticket: 24930

DST#: 4

ATTN: Bob Bayer

Test Start: 2006.08.21 @ 19:44:13

GENERAL INFORMATION:

Formation: **Warsaw W-1**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:31:13

Time Test Ended: 05:53:58

Test Type: Conventional Bottom Hole

Tester: Les Adams

Unit No: 30

Interval: **5230.00 ft (KB) To 5289.00 ft (KB) (TVD)**

Reference Elevations: 2133.00 ft (KB)

Total Depth: 5289.00 ft (KB) (TVD)

2122.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6668

Inside

Press@RunDepth: 125.94 psig @ 5231.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2006.08.21

End Date:

2006.08.22

Last Calib.: 2006.08.22

Start Time: 19:44:14

End Time:

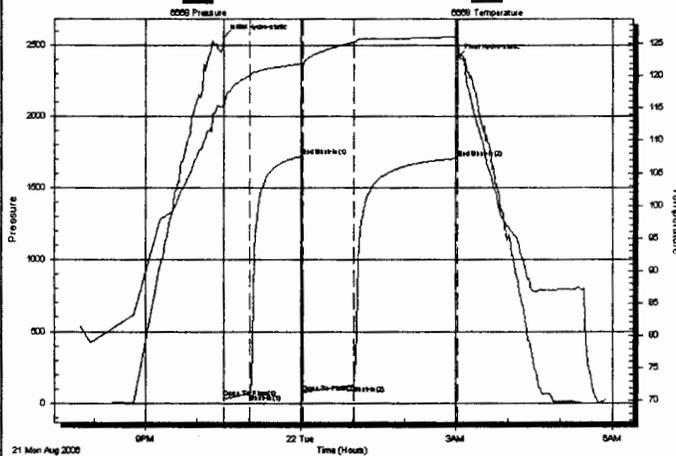
05:53:58

Time On Btm: 2006.08.21 @ 22:30:58

Time Off Btm: 2006.08.22 @ 03:01:43

TEST COMMENT: IF Strong blow BOB in 7 mins.
ISI Weak blow back 2" in bucket Dead in 9 mins.
FF Strong blow BOB in 24 mins.
FSI Surface blow back Dead in 4 mins.

Pressure vs. Time



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2554.48 | 115.72 | Initial Hydro-static |
| 1 | 39.27 | 115.17 | Open To Flow (1) |
| 31 | 66.93 | 120.09 | Shut-In(1) |
| 91 | 1720.27 | 121.89 | End Shut-In(1) |
| 91 | 70.88 | 121.68 | Open To Flow (2) |
| 151 | 125.94 | 125.22 | Shut-In(2) |
| 271 | 1704.71 | 126.06 | End Shut-In(2) |
| 271 | 2409.27 | 125.83 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------|--------------|
| 30.00 | MW 5%M 95%W | 0.15 |
| 150.00 | MW 5%M 95%W | 2.10 |
| 5.00 | WM 15%W 85%M | 0.07 |
| 0.00 | | 0.00 |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Co LLC

York B-1

125 N Market Ste 1000
Wichita KS 67202

32 31 17 Commanche K

Job Ticket: 24930

DST#: 4

ATTN: Bob Bayer

Test Start: 2006.08.21 @ 19:44:13

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 5190.00 ft | Diameter: 3.80 inches | Volume: 72.80 bbl | Tool Weight: 2100.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 30.00 ft | Diameter: 2.25 inches | Volume: 0.15 bbl | Weight to Pull Loose: 70000.00 lb |
| | | | <u>Total Volume: 72.95 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 19.00 ft | | | String Weight: Initial 66000.00 lb |
| Depth to Top Packer: | 5230.00 ft | | | Final 67000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 59.00 ft | | | |
| Tool Length: | 88.00 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 | | | 5202.00 | |
| Shut In Tool | 5.00 | | | 5207.00 | |
| Hydraulic tool | 5.00 | | | 5212.00 | |
| Jars | 5.00 | | | 5217.00 | |
| Safety Joint | 3.00 | | | 5220.00 | |
| Packer | 5.00 | | | 5225.00 | 29.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 5230.00 | |
| Stubb | 1.00 | | | 5231.00 | |
| Recorder | 0.00 | 6668 | Inside | 5231.00 | |
| Perforations | 12.00 | | | 5243.00 | |
| Change Over Sub | 1.00 | | | 5244.00 | |
| Blank Spacing | 31.00 | | | 5275.00 | |
| Change Over Sub | 1.00 | | | 5276.00 | |
| Perforations | 10.00 | | | 5286.00 | |
| Recorder | 0.00 | 13266 | Outside | 5286.00 | |
| Bullnose | 3.00 | | | 5289.00 | 59.00 Bottom Packers & Anchor |
| Total Tool Length: | 88.00 | | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co LLC

York B-1

125 N Market Ste 1000
Wichita KS 67202

32 31 17 Commanche K

Job Ticket: 24930

DST#: 4

ATTN: Bob Bayer

Test Start: 2006.08.21 @ 19:44:13

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:

220000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|--------------|---------------|
| 30.00 | MW 5%M 95%W | 0.148 |
| 150.00 | MW 5%M 95%W | 2.104 |
| 5.00 | WM 15%W 85%M | 0.070 |
| 0.00 | | 0.000 |

Total Length: 185.00 ft

Total Volume: 2.322 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6668

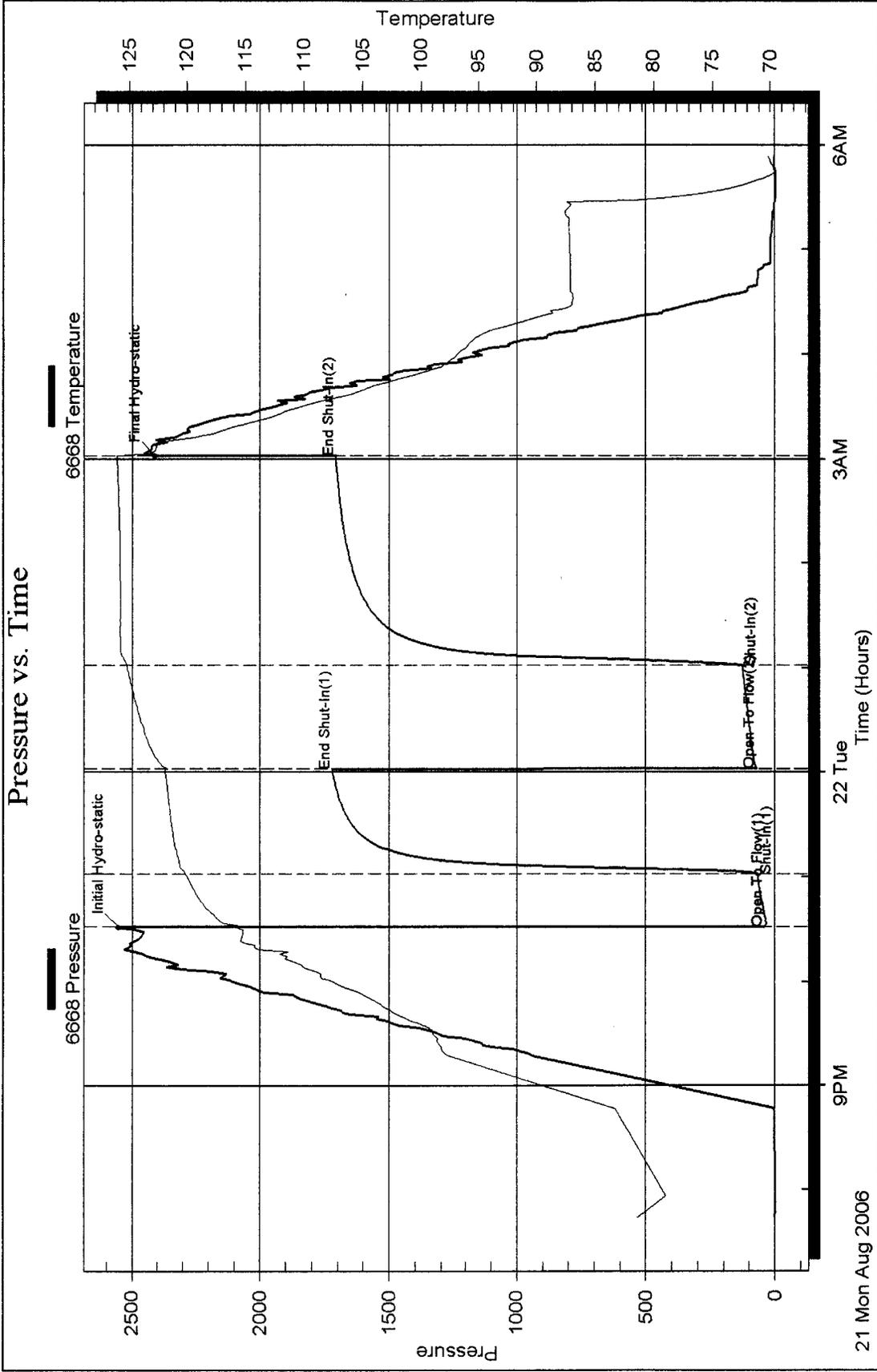
Inside

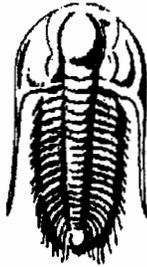
Woolsey Operating Co LLC

32 31 17 Commanche K

DST Test Number: 4

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co LLC**

125 N Market Ste 1000
Wichita KS 67202

ATTN: Bob Bayer

32 31 17 Commanche K

York B-1

Start Date: 2006.08.23 @ 05:24:06

End Date: 2006.08.23 @ 15:49:51

Job Ticket #: 24931 DST #: 5

**RECEIVED
KANSAS CORPORATION COMMISSION**

DEC 07 2006

**CONSERVATION DIVISION
WICHITA, KS**

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Woolsey Operating Co LLC

York B-1

125 N Market Ste 1000
Wichita KS 67202

32 31 17 Commanche K

ATTN: Bob Bayer

Job Ticket: 24931

DST#: 5

Test Start: 2006.08.23 @ 05:24:06

GENERAL INFORMATION:

Formation: **Osage - Keokuk**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 08:57:06

Time Test Ended: 15:49:51

Test Type: **Conventional Bottom Hole**

Tester: **Les Adams**

Unit No: **30**

Interval: **5456.00 ft (KB) To 5490.00 ft (KB) (TVD)**

Total Depth: **5154.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2133.00 ft (KB)**

2122.00 ft (CF)

KB to GR/CF: **11.00 ft**

Serial #: **6668**

Inside

Press@RunDepth: **37.88 psig @ 5457.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2006.08.23**

End Date:

2006.08.23

Last Calib.: **2006.08.23**

Start Time: **05:24:07**

End Time:

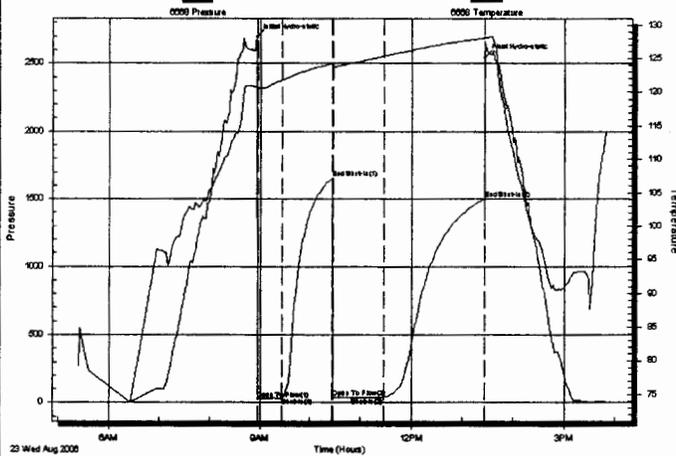
15:49:51

Time On Btm: **2006.08.23 @ 08:56:06**

Time Off Btm: **2006.08.23 @ 13:26:51**

TEST COMMENT: **IF Very weak blow Surface blow
ISI No blow
FFNo blow
FSI No blow**

Pressure vs. Time



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2694.25 | 120.90 | Initial Hydro-static |
| 1 | 26.81 | 120.44 | Open To Flow (1) |
| 31 | 33.79 | 121.80 | Shut-In(1) |
| 91 | 1655.05 | 124.20 | End Shut-In(1) |
| 92 | 38.90 | 123.75 | Open To Flow (2) |
| 152 | 37.88 | 125.34 | Shut-In(2) |
| 271 | 1504.02 | 128.03 | End Shut-In(2) |
| 271 | 2542.78 | 128.28 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------|--------------|
| 5.00 | DRLGM 100%Mud | 0.02 |
| 0.00 | | 0.00 |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Co LLC

York B-1

125 N Market Ste 1000
Wichita KS 67202

32 31 17 Commanche K

Job Ticket: 24931

DST#: 5

ATTN: Bob Bayer

Test Start: 2006.08.23 @ 05:24:06

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 5424.00 ft | Diameter: 3.80 inches | Volume: 76.08 bbl | Tool Weight: 2100.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 30.00 ft | Diameter: 2.25 inches | Volume: 0.15 bbl | Weight to Pull Loose: 68000.00 lb |
| | | | <u>Total Volume: 76.23 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 27.00 ft | | | String Weight: Initial 64000.00 lb |
| Depth to Top Packer: | 5456.00 ft | | | Final 65000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 34.00 ft | | | |
| Tool Length: | 63.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |
| Tool Comments: | | | | |

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 5428.00 | |
| Shut In Tool | 5.00 | | | 5433.00 | |
| Hydraulic tool | 5.00 | | | 5438.00 | |
| Jars | 5.00 | | | 5443.00 | |
| Safety Joint | 3.00 | | | 5446.00 | |
| Packer | 5.00 | | | 5451.00 | 29.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 5456.00 | |
| Stubb | 1.00 | | | 5457.00 | |
| Recorder | 0.00 | 6668 | Inside | 5457.00 | |
| Anchor | 30.00 | | | 5487.00 | |
| Recorder | 0.00 | 13266 | Outside | 5487.00 | |
| Bullnose | 3.00 | | | 5490.00 | 34.00 Bottom Packers & Anchor |

Total Tool Length: 63.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co LLC

York B-1

125 N Market Ste 1000
Wichita KS 67202

32 31 17 Commanche K

Job Ticket: 24931

DST#: 5

ATTN: Bob Bayer

Test Start: 2006.08.23 @ 05:24:06

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: 61.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 11.98 in ³ | Gas Cushion Type: | | |
| Resistivity: 0.00 ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 8000.00 ppm | | | |
| Filter Cake: 0.20 inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---------------|---------------|
| 5.00 | DRLGM 100%Mud | 0.025 |
| 0.00 | | 0.000 |

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:

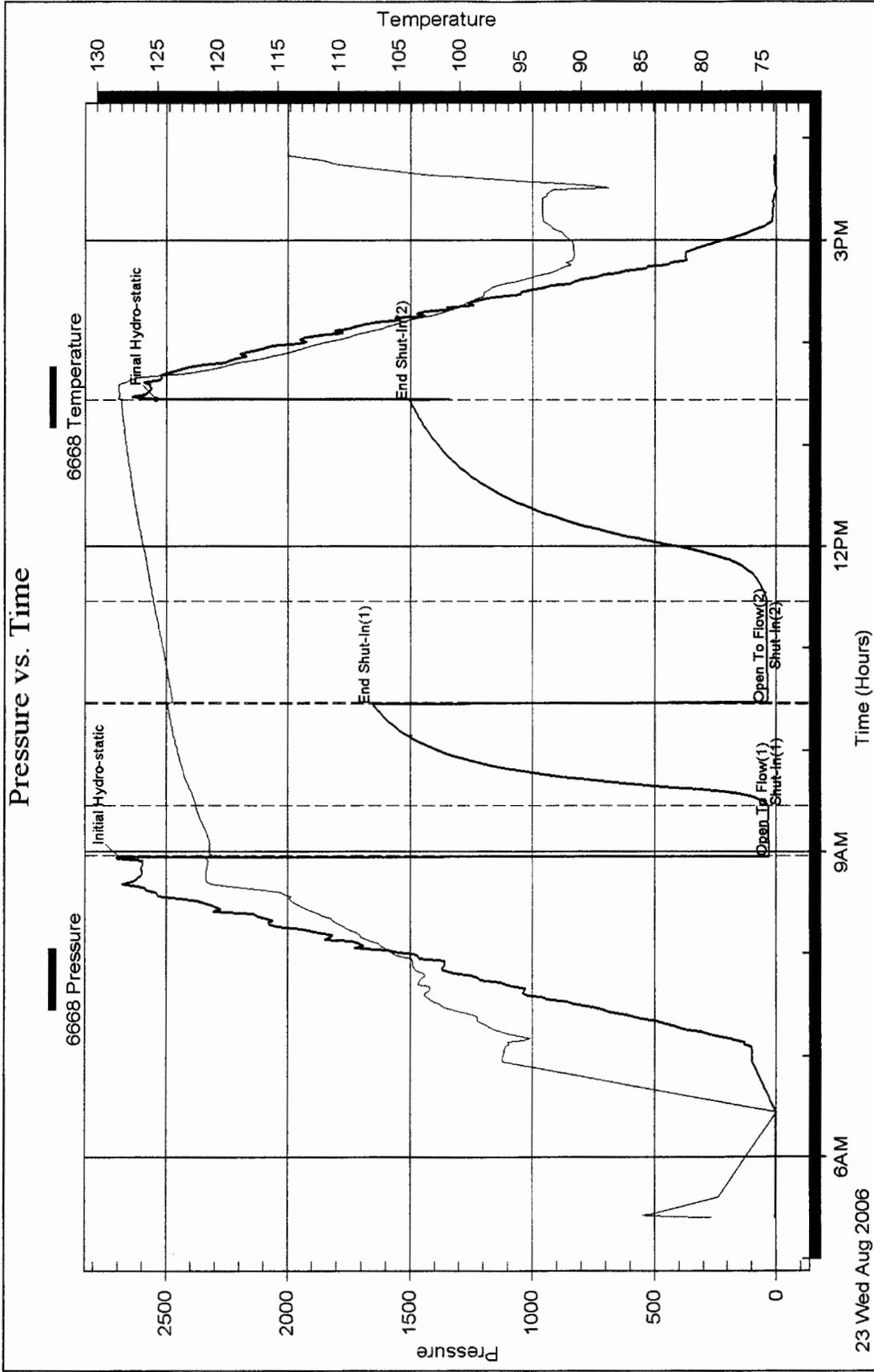
Serial #: 6668

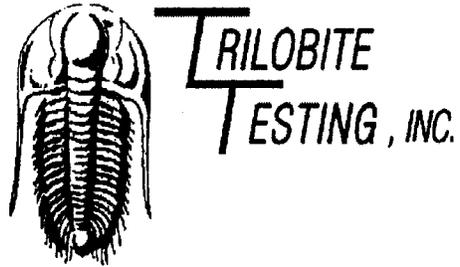
Inside

Woodsey Operating Co LLC

32 31 17 Commanche K

DST Test Number: 5





DRILL STEM TEST REPORT

Prepared For: **Woolsey Operating Co LLC**

125 N Market Ste 1000
Wichita KS 67202

ATTN: Bob Bayer

32 31 17 Commanche K

York B-1

Start Date: 2006.08.24 @ 13:15:30

End Date: 2006.08.24 @ 23:21:00

Job Ticket #: 24932 DST #: 6

RECEIVED
KANSAS CORPORATION COMMISSION

DEC 07 2006

CONSERVATION DIVISION
WICHITA, KS

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Woolsey Operating Co LLC

125 N Market Ste 1000
Wichita KS 67202

ATTN: Bob Bayer

York B-1

32 31 17 Commanche K

Job Ticket: 24932

DST#: 6

Test Start: 2006.08.24 @ 13:15:30

GENERAL INFORMATION:

Formation: **Viola**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 16:20:45

Time Test Ended: 23:21:00

Test Type: **Conventional Bottom Hole**

Tester: **Les Adams**

Unit No: **30**

Interval: **5560.00 ft (KB) To 5640.00 ft (KB) (TVD)**

Total Depth: **5154.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2133.00 ft (KB)**

2122.00 ft (CF)

KB to GR/CF: **11.00 ft**

Serial #: 6668

Inside

Press@RunDepth: **47.92 psig @ 5561.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2006.08.24**

End Date:

2006.08.24

Last Calib.: **2006.08.24**

Start Time: **13:15:31**

End Time:

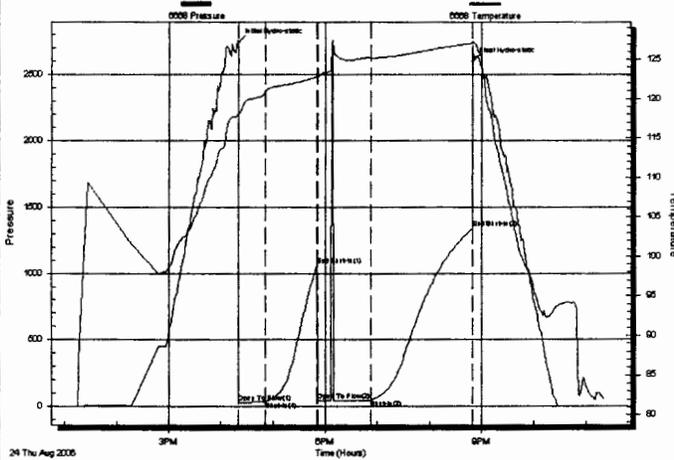
23:21:00

Time On Btm: **2006.08.24 @ 16:20:15**

Time Off Btm: **2006.08.24 @ 20:50:00**

TEST COMMENT: **IF Weak blow Surface**
ISI No blow
FF No blow Flushed tool No blow
FSI No blow

Pressure vs. Time



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2745.05 | 118.28 | Initial Hydro-static |
| 1 | 27.90 | 117.88 | Open To Flow (1) |
| 31 | 37.69 | 120.97 | Shut-In(1) |
| 91 | 1061.63 | 122.78 | End Shut-In(1) |
| 91 | 41.95 | 122.68 | Open To Flow (2) |
| 152 | 47.92 | 125.18 | Shut-In(2) |
| 270 | 1339.62 | 127.04 | End Shut-In(2) |
| 270 | 2602.86 | 127.32 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------|--------------|
| 60.00 | DRLGM 100%Mud | 0.57 |
| 0.00 | | 0.00 |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Woolsey Operating Co LLC

York B-1

125 N Market Ste 1000
Wichita KS 67202

32 31 17 Commanche K

Job Ticket: 24932

DST#: 6

ATTN: Bob Bayer

Test Start: 2006.08.24 @ 13:15:30

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 5519.00 ft | Diameter: 3.80 inches | Volume: 77.42 bbl | Tool Weight: 2100.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: 20000.00 lb |
| Drill Collar: | Length: 30.00 ft | Diameter: 2.25 inches | Volume: 0.15 bbl | Weight to Pull Loose: 72000.00 lb |
| | | | Total Volume: 77.57 bbl | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 18.00 ft | | | String Weight: Initial 70000.00 lb |
| Depth to Top Packer: | 5560.00 ft | | | Final 70000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 80.00 ft | | | |
| Tool Length: | 109.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|---------------------------|---------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 5532.00 | |
| Shut In Tool | 5.00 | | | 5537.00 | |
| Hydraulic tool | 5.00 | | | 5542.00 | |
| Jars | 5.00 | | | 5547.00 | |
| Safety Joint | 3.00 | | | 5550.00 | |
| Packer | 5.00 | | | 5555.00 | 29.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 5560.00 | |
| Stubb | 1.00 | | | 5561.00 | |
| Recorder | 0.00 | 6668 | Inside | 5561.00 | |
| Perforations | 5.00 | | | 5566.00 | |
| Change Over Sub | 1.00 | | | 5567.00 | |
| Blank Spacing | 62.00 | | | 5629.00 | |
| Change Over Sub | 1.00 | | | 5630.00 | |
| Perforations | 7.00 | | | 5637.00 | |
| Recorder | 0.00 | 13266 | Outside | 5637.00 | |
| Bullnose | 3.00 | | | 5640.00 | 80.00 Bottom Packers & Anchor |
| Total Tool Length: | 109.00 | | | | |



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co LLC

York B-1

125 N Market Ste 1000
Wichita KS 67202

32 31 17 Commanche K

Job Ticket: 24932

DST#: 6

ATTN: Bob Bayer

Test Start: 2006.08.24 @ 13:15:30

Mud and Cushion Information

| | | | |
|-----------------------------------|----------------------------|-----------------|---------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: | deg API |
| Mud Weight: 9.00 lb/gal | Cushion Length: ft | Water Salinity: | ppm |
| Viscosity: 51.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 10.39 in ³ | Gas Cushion Type: | | |
| Resistivity: 0.00 ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 6000.00 ppm | | | |
| Filter Cake: 0.20 inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---------------|---------------|
| 60.00 | DRLGM 100%Mud | 0.568 |
| 0.00 | | 0.000 |

Total Length: 60.00 ft Total Volume: 0.568 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

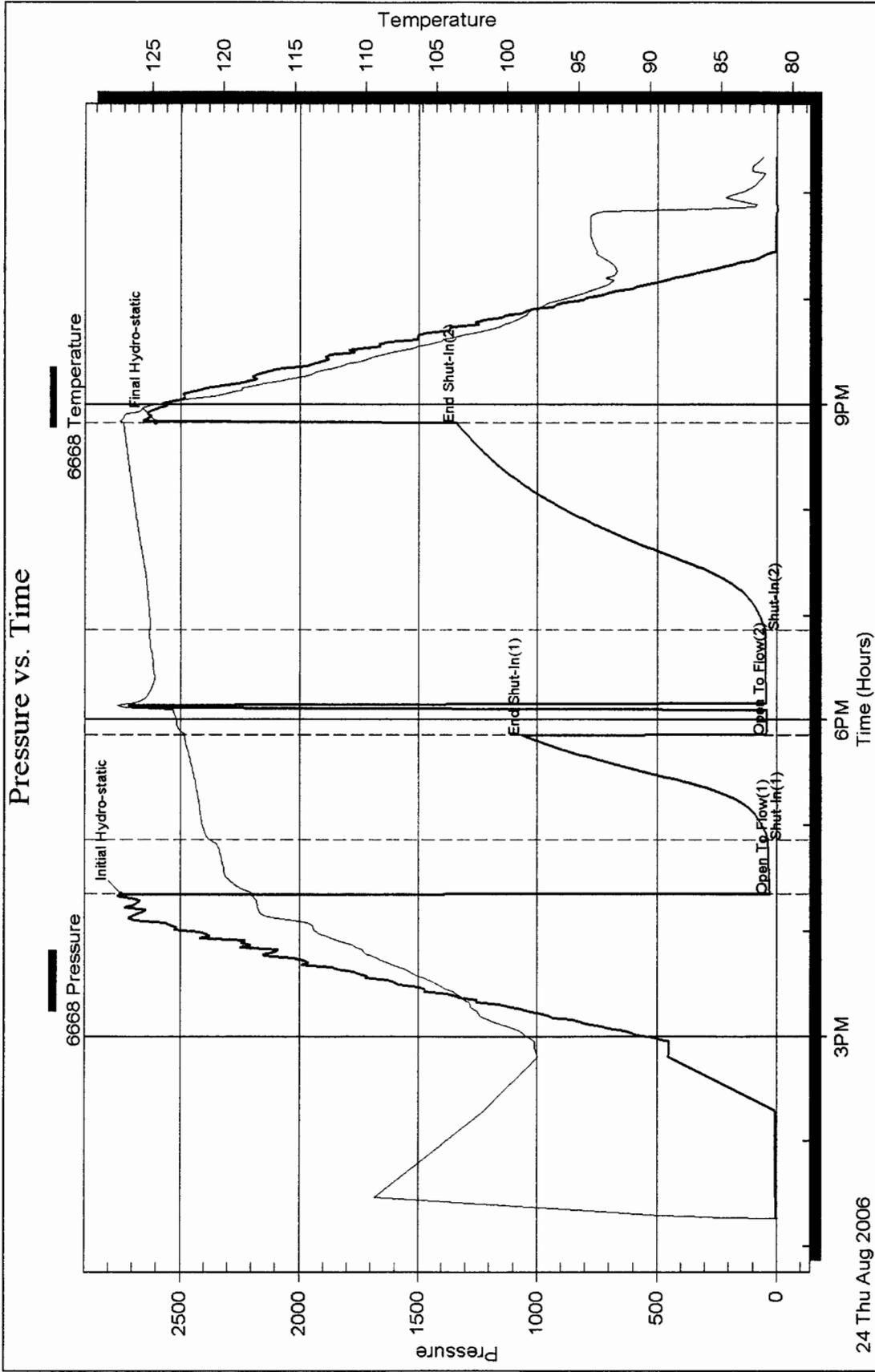
Serial #: 6668

Inside

Woolsey Operating Co LLC

32 31 17 Commanche K

DST Test Number: 6



24 Thu Aug 2006