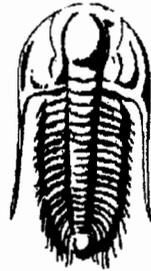


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CONSERVATION DIVISION
WICHITA, KS



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Grady Bolding Corp**

Box 486
Ellinwood Ks 67526

ATTN: Grady Bolding

31-17-10-Ellsworth-K

Grizzell # 25

Start Date: 2005.07.26 @ 14:07:46

End Date: 2005.07.26 @ 22:31:16

Job Ticket #: 22036 DST #: 1

15-053-21146-00-00

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

Grady Bolding Corp

Grizzell # 25

31-17-10-Ellsworth-K

DST # 1

Arbuckle

2005.07.26



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Grady Bolding Corp

Grizzell # 25

Box 486
Ellinwood Ks 67526

31-17-10-Ellsworth-K

ATTN: Grady Bolding

Job Ticket: 22036 **DST#: 1**

Test Start: 2005.07.26 @ 14:07:46

GENERAL INFORMATION:

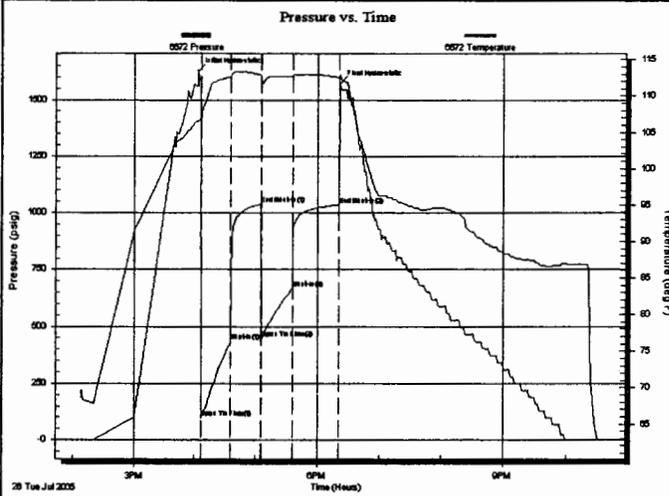
Formation: **Arbuckle**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: 16:06:46
 Time Test Ended: 22:31:16
 Interval: **3242.00 ft (KB) To 3276.00 ft (KB) (TVD)**
 Total Depth: **3276.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole**
 Tester: **Dan Bangle**
 Unit No: **21**
 Reference Elevations: **1806.00 ft (KB)**
1801.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6672

Inside

Press@RunDepth: **668.24 psig @ 3243.00 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2005.07.26** End Date: **2005.07.26** Last Calib.: **2005.07.26**
 Start Time: **14:07:47** End Time: **22:31:16** Time On Btm: **2005.07.26 @ 16:03:31**
 Time Off Btm: **2005.07.26 @ 18:21:46**

TEST COMMENT: **IF-Strong B-B in 50 sec**
IS-Strong B-B in 3 min
FF-Strong B-B in 1.5 min
FSI-Strong B-B in 3 min GTS in 5 min



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1626.10 | 106.56 | Initial Hydro-static |
| 4 | 97.58 | 106.28 | Open To Flow (1) |
| 32 | 434.60 | 112.63 | Shut-In(1) |
| 62 | 1039.15 | 112.87 | End Shut-In(1) |
| 63 | 446.37 | 112.60 | Open To Flow (2) |
| 93 | 668.24 | 112.64 | Shut-In(2) |
| 137 | 1036.03 | 112.56 | End Shut-In(2) |
| 139 | 1572.52 | 112.97 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------|--------------|
| 1922.00 | CGsyO 40%g 60%o | 26.96 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Grady Bolding Corp

Grizzell # 25

Box 486
Ellinwood Ks 67526

31-17-10-Ellsworth-K

ATTN: Grady Bolding

Job Ticket: 22036 DST#: 1
Test Start: 2005.07.26 @ 14:07:46

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 3226.00 ft | Diameter: 3.80 inches | Volume: 45.25 bbl | Tool Weight: 2300.00 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: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight to Pull Loose: 60000.00 lb |
| | | | <u>Total Volume: 45.25 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 5.00 ft | | | String Weight: Initial 38000.00 lb |
| Depth to Top Packer: | 3242.00 ft | | | Final 48000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 34.00 ft | | | |
| Tool Length: | 55.00 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 | | | 3222.00 | |
| Shut In Tool | 5.00 | | | 3227.00 | |
| Hydraulic tool | 5.00 | | | 3232.00 | |
| Packer | 5.00 | | | 3237.00 | 21.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3242.00 | |
| Stubb | 1.00 | | | 3243.00 | |
| Recorder | 0.00 | 6672 | Inside | 3243.00 | |
| Perforations | 30.00 | | | 3273.00 | |
| Recorder | 0.00 | 13254 | Outside | 3273.00 | |
| Bullnose | 3.00 | | | 3276.00 | 34.00 Bottom Packers & Anchor |
| Total Tool Length: | 55.00 | | | | |

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DRILL STEM TEST REPORT

FLUID SUMMARY

Grady Bolding Corp

Grizzell # 25

Box 486
Ellinwood Ks 67526

31-17-10-Ellsworth-K

Job Ticket: 22036

DST#: 1

ATTN: Grady Bolding

Test Start: 2005.07.26 @ 14:07:46

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-----------------|---------------|
| 1922.00 | CGsyO 40%g 60%o | 26.961 |

Total Length: 1922.00 ft Total Volume: 26.961 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

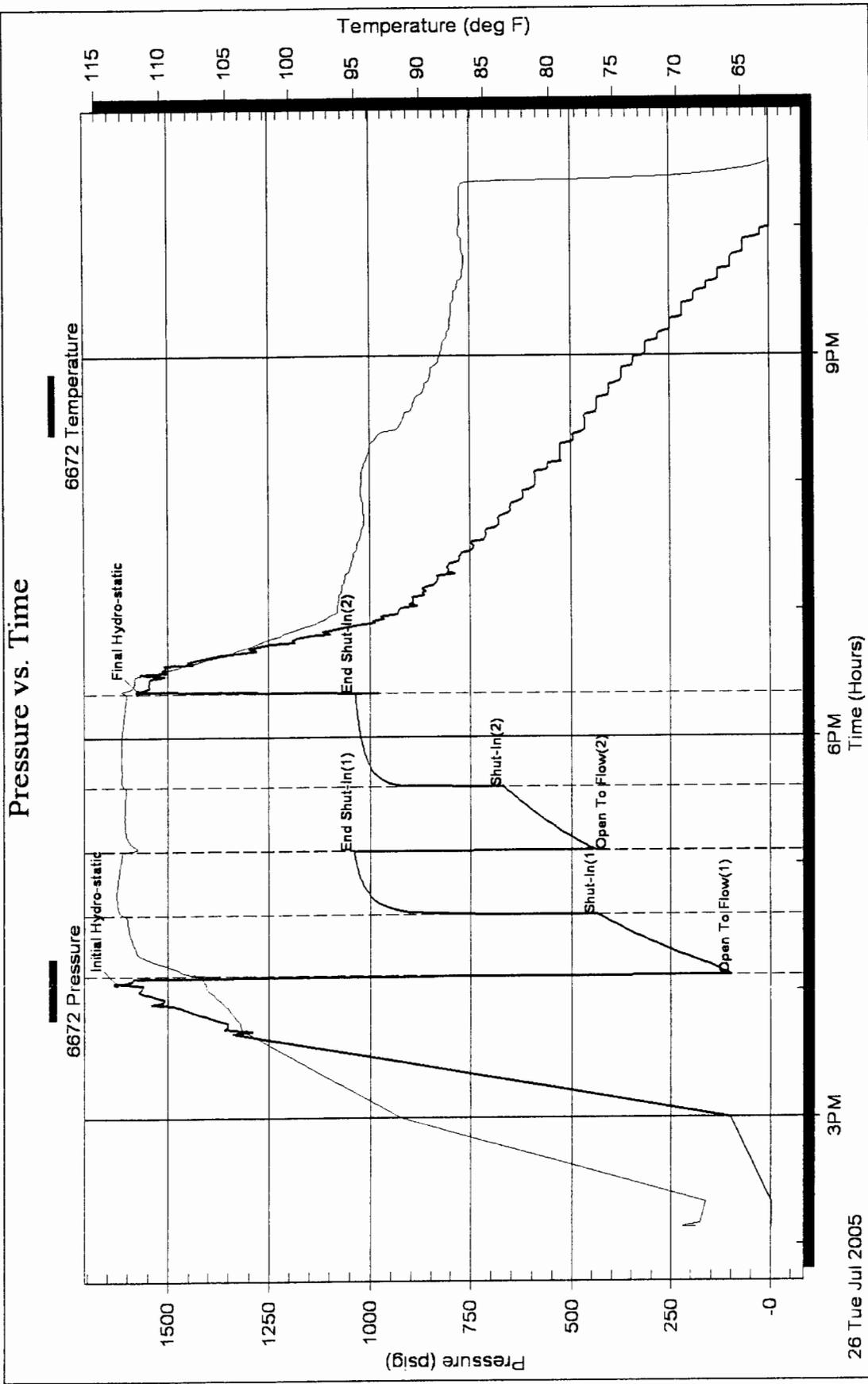
Serial #: 6672

Inside

Grady Bolding Corp

31-17-10-Elisw orth-K

DST Test Number: 1



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 WICHITA

Ref. No: 22036

Trilobite Testing, Inc

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