

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **James B.Reed**

P.O.Box 638
Ardmore, Oklahoma.

ATTN: Steve Miller

19-31S-17W

Brady#1-19

Start Date: 2004.08.31 @ 12:26:20

End Date: 2004.08.31 @ 20:50:50

Job Ticket #: 19724 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

James B.Reed

Brady#1-19

19-31S-17W

DST # 1

Mississippian

2004.08.31



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Brady#1-19
19-31S-17W
 Job Ticket: 19724 **DST#: 1**
 Test Start: 2004.08.31 @ 12:26:20

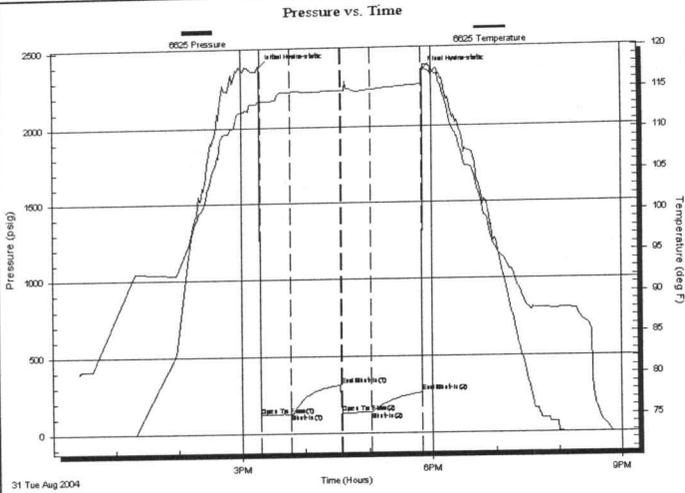
GENERAL INFORMATION:

Formation: **Mississippian**
 Deviated: **No** Whipstock: ft (KB)
 Time Tool Opened: 15:18:20
 Time Test Ended: 20:50:50
 Interval: **4931.00 ft (KB) To 4998.00 ft (KB) (TVD)**
 Total Depth: **4998.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Fair

Test Type: **Conventional Bottom Hole**
 Tester: **Darren L. Amerine**
 Unit No: **30**
 Reference Elevations: 2029.00 ft (KB)
 2019.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 6625 **Inside**
 Press@RunDepth: 135.74 psig @ 4933.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2004.08.31 End Date: 2004.08.31 Last Calib.: 2004.08.31
 Start Time: 12:26:23 End Time: 20:50:50 Time On Btm: 2004.08.31 @ 15:17:20
 Time Off Btm: 2004.08.31 @ 17:51:05

TEST COMMENT: IF: Weak surface blow built to 6" in H2O bucket.
 IS: Bled down n for 2 mins. no b.b.
 FF: No blow flush tool. Weak surface blow died in 10 mins.
 FS: No blow back.



PRESSURE SUMMARY

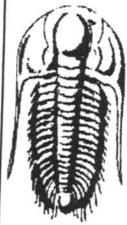
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2391.64 | 113.78 | Initial Hydro-static |
| 1 | 121.41 | 113.53 | Open To Flow (1) |
| 29 | 128.81 | 114.76 | Shut-In(1) |
| 76 | 311.81 | 114.87 | End Shut-In(1) |
| 77 | 129.07 | 114.82 | Open To Flow (2) |
| 105 | 135.74 | 114.97 | Shut-In(2) |
| 153 | 261.79 | 115.53 | End Shut-In(2) |
| 154 | 2356.42 | 116.93 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------|--------------|
| 0.00 | trace of gip | 0.00 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

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



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TOOL DIAGRAM

James B.Reed

Brady#1-19

P.O.Box 638
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19-31S-17W

ATTN: Steve Miller

Job Ticket: 19724

DST#: 1

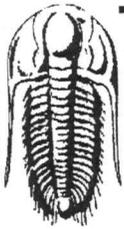
Test Start: 2004.08.31 @ 12:26:20

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4715.00 ft | Diameter: 3.80 inches | Volume: 66.14 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: 217.00 ft | Diameter: 2.25 inches | Volume: 1.07 bbl | Weight to Pull Loose: 125000.0 lb |
| | | | <u>Total Volume: 67.21 bbl</u> | Tool Chased 10.00 ft |
| Drill Pipe Above KB: | 30.00 ft | | | String Weight: Initial 81000.00 lb |
| Depth to Top Packer: | 4931.00 ft | | | Final 81000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 67.00 ft | | | |
| Tool Length: | 96.00 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 | | | 4903.00 | |
| Shut In Tool | 5.00 | | | 4908.00 | |
| Hydraulic tool | 5.00 | | | 4913.00 | |
| Jars | 5.00 | | | 4918.00 | |
| Safety Joint | 3.00 | | | 4921.00 | |
| Packer | 5.00 | | | 4926.00 | 29.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 4931.00 | |
| Stubb | 2.00 | | | 4933.00 | |
| Recorder | 0.00 | 6625 | Inside | 4933.00 | |
| Anchor | 30.00 | | | 4963.00 | |
| Recorder | 0.00 | 10991 | Outside | 4963.00 | |
| Blank Spacing | 31.00 | | | 4994.00 | |
| Bullnose | 4.00 | | | 4998.00 | 67.00 Bottom Packers & Anchor |
| Total Tool Length: | 96.00 | | | | |



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FLUID SUMMARY

James B.Reed
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ATTN: Steve Miller

Brady#1-19
19-31S-17W
Job Ticket: 19724 **DST#: 1**
Test Start: 2004.08.31 @ 12:26:20

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: 43.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 8.39 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 5800.00 ppm | | | |
| Filter Cake: 0.32 inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|--------------|---------------|
| 0.00 | trace of gip | 0.000 |

Total Length: ft Total Volume: bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 6625

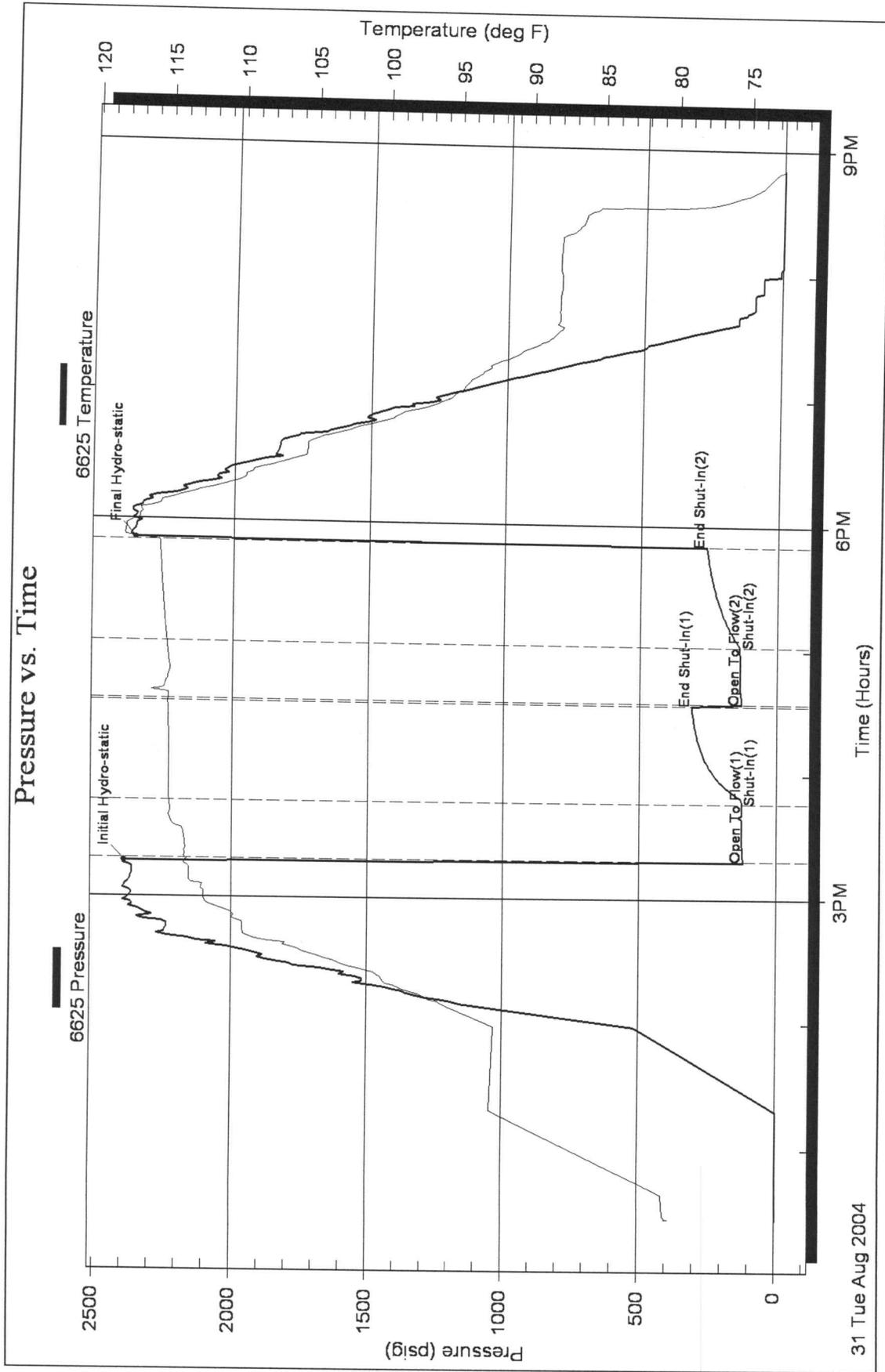
Inside

James B. Reed

19-31S-17W

DST Test Number: 1

Pressure vs. Time



31 Tue Aug 2004

3PM

6PM

9PM

Time (Hours)