

## DRILL STEM TEST REPORT

Prepared For: **DaMar Resources, Inc.**

PO Box 70  
Hays, KS 67601

ATTN: Randy Kilian

### **Bongartz-Augustine#3**

### **29-13S-21W Trego,KS**

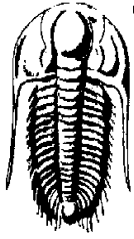
Start Date: 2018.12.02 @ 16:00:59

End Date: 2018.12.02 @ 22:58:20

Job Ticket #: 65011                      DST #: 1

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2018.12.04 @ 11:36:23



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

DaMar Resources, Inc.

**29-13S-21W Trego, KS**

PO Box 70  
Hays, KS 67601

**Bongartz-Augustine#3**

ATTN: Randy Kilian

Job Ticket: 65011

**DST#: 1**

Test Start: 2018.12.02 @ 16:00:59

## GENERAL INFORMATION:

Formation: **Upper Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:07:35

Time Test Ended: 22:58:20

Test Type: Conventional Bottom Hole (Initial)

Tester: Brannan Lonsdale

Unit No: 73

**Interval: 4028.00 ft (KB) To 4077.00 ft (KB) (TVD)**

Reference Elevations: 2301.00 ft (KB)

Total Depth: 4077.00 ft (KB) (TVD)

2293.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 6771**

**Inside**

Press@RunDepth: 34.15 psig @ 4029.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.12.02

End Date:

2018.12.02

Last Calib.:

2018.12.02

Start Time: 16:01:00

End Time:

22:58:20

Time On Btm:

2018.12.02 @ 18:07:20

Time Off Btm:

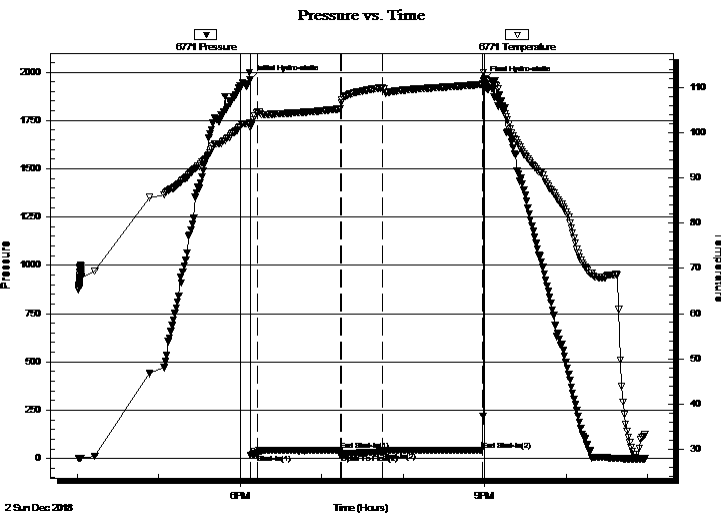
2018.12.02 @ 20:59:05

TEST COMMENT: 05- IF- Built to 10.29"

60- IS- No blow

30- FF- BOB 2mins. Built to 200+"

75- FSI- No blow



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1962.57         | 101.98       | Initial Hydro-static |
| 1           | 17.68           | 101.01       | Open To Flow (1)     |
| 6           | 22.54           | 104.58       | Shut-In(1)           |
| 67          | 41.99           | 105.22       | End Shut-In(1)       |
| 68          | 22.54           | 106.60       | Open To Flow (2)     |
| 98          | 34.15           | 109.87       | Shut-In(2)           |
| 171         | 42.90           | 110.60       | End Shut-In(2)       |
| 172         | 1953.51         | 113.26       | Final Hydro-static   |

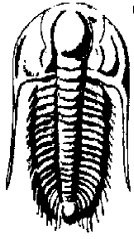
## Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 50.00       | M           | 0.41         |
| 0.00        | 2105" GIP   | 0.00         |
|             |             |              |
|             |             |              |
|             |             |              |

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

DaMar Resources, Inc.

**29-13S-21W Trego,KS**

PO Box 70  
Hays, KS 67601

**Bongartz-Augustine#3**

Job Ticket: 65011

**DST#: 1**

ATTN: Randy Kilian

Test Start: 2018.12.02 @ 16:00:59

## Tool Information

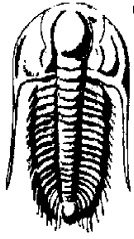
|                           |                    |                       |                            |                                    |
|---------------------------|--------------------|-----------------------|----------------------------|------------------------------------|
| Drill Pipe:               | Length: 3995.00 ft | Diameter: 3.82 inches | Volume: 56.63 bbl          | Tool Weight: 2500.00 lb            |
| Heavy Wt. Pipe:           | Length: ft         | Diameter: inches      | Volume: - bbl              | Weight set on Packer: 25000.00 lb  |
| Drill Collar:             | Length: 32.00 ft   | Diameter: 2.25 inches | Volume: 0.16 bbl           | Weight to Pull Loose: 68000.00 lb  |
|                           |                    |                       | <u>Total Volume: - bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 27.00 ft           |                       |                            | String Weight: Initial 55000.00 lb |
| Depth to Top Packer:      | 4028.00 ft         |                       |                            | Final 57000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                            |                                    |
| Interval between Packers: | 49.00 ft           |                       |                            |                                    |
| Tool Length:              | 77.00 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        |            |          | 4001.00    |                               |
| Shut In Tool     | 5.00        |            |          | 4006.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 4011.00    |                               |
| Jars             | 5.00        |            |          | 4016.00    |                               |
| Safety Joint     | 3.00        |            |          | 4019.00    |                               |
| Packer           | 5.00        |            |          | 4024.00    | 28.00 Bottom Of Top Packer    |
| Packer           | 4.00        |            |          | 4028.00    |                               |
| Stubb            | 1.00        |            |          | 4029.00    |                               |
| Recorder         | 0.00        | 6771       | Inside   | 4029.00    |                               |
| Recorder         | 0.00        | 6753       | Outside  | 4029.00    |                               |
| Perforations     | 11.00       |            |          | 4040.00    |                               |
| Change Over Sub  | 1.00        |            |          | 4041.00    |                               |
| Drill Pipe       | 32.00       |            |          | 4073.00    |                               |
| Change Over Sub  | 1.00        |            |          | 4074.00    |                               |
| Bullnose         | 3.00        |            |          | 4077.00    | 49.00 Bottom Packers & Anchor |

**Total Tool Length: 77.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

DaMar Resources, Inc.

**29-13S-21W Trego,KS**

PO Box 70  
Hays, KS 67601

**Bongartz-Augustine#3**

Job Ticket: 65011

**DST#: 1**

ATTN: Randy Kilian

Test Start: 2018.12.02 @ 16:00:59

## 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:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

| Length<br>ft | Description | Volume<br>bbl |
|--------------|-------------|---------------|
| 50.00        | M           | 0.413         |
| 0.00         | 2105" GIP   | 0.000         |

Total Length: 50.00 ft      Total Volume: 0.413 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

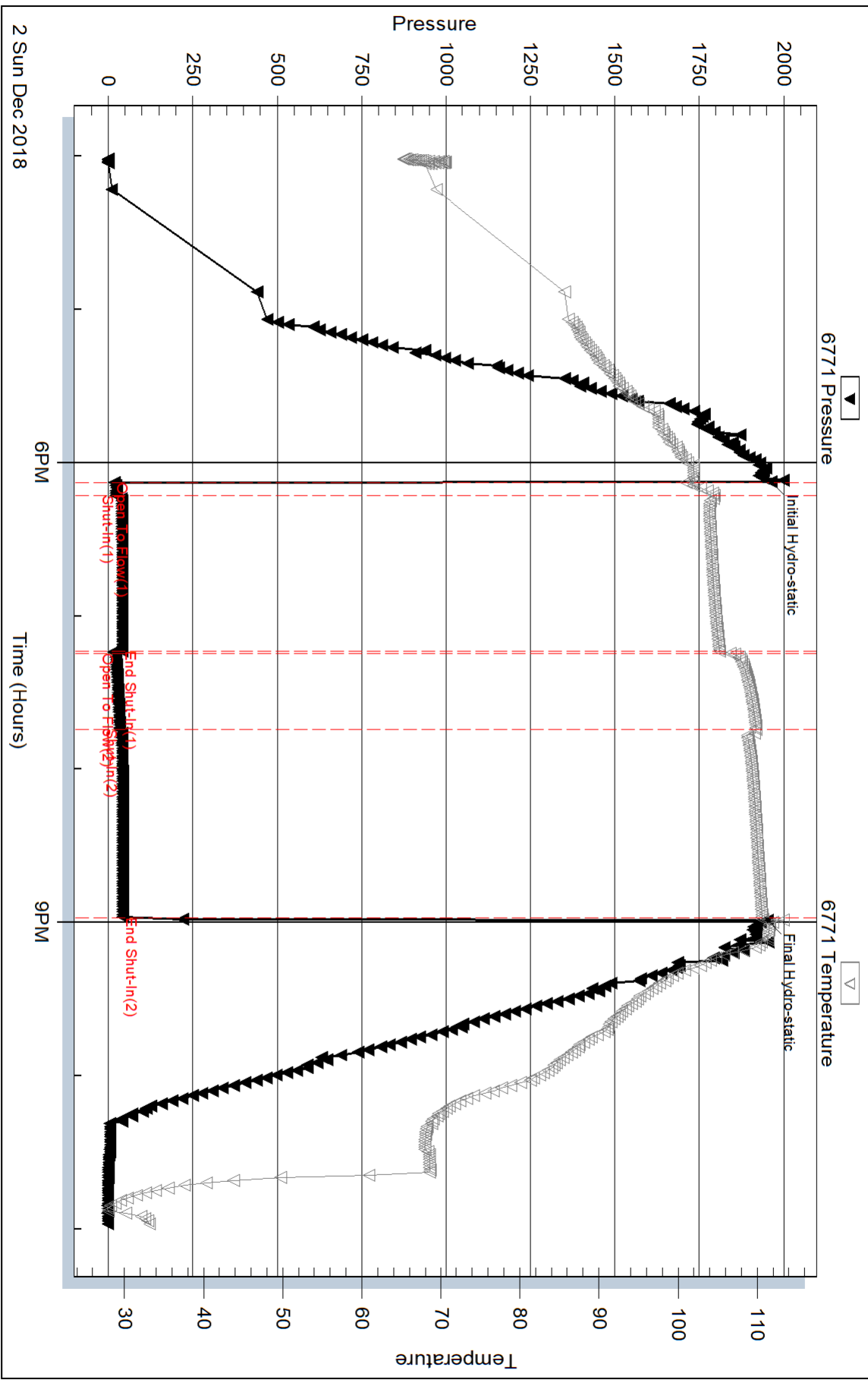
Serial #:

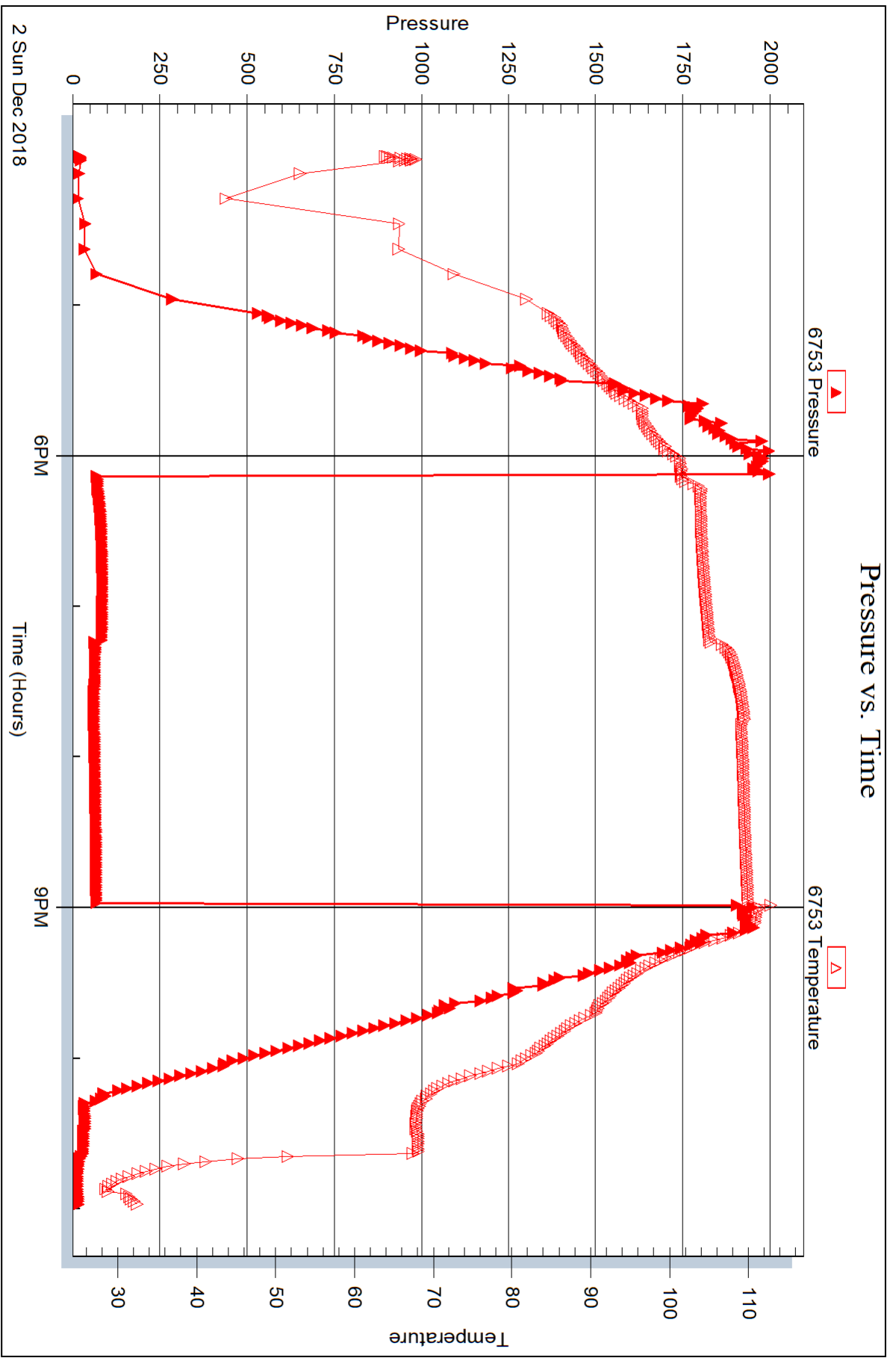
Laboratory Name:

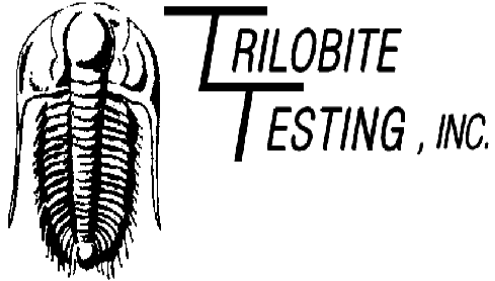
Laboratory Location:

Recovery Comments:

### Pressure vs. Time







## DRILL STEM TEST REPORT

Prepared For: **DaMar Resources, Inc.**

PO Box 70  
Hays, KS 67601

ATTN: Randy Kilian

### **Bongartz-Augustine#3**

### **29-13S-21W Trego,KS**

Start Date: 2018.12.03 @ 05:22:26

End Date: 2018.12.03 @ 15:18:16

Job Ticket #: 65012                      DST #: 2

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2018.12.04 @ 11:35:57





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

DaMar Resources, Inc.

**29-13S-21W Trego, KS**

PO Box 70  
Hays, KS 67601

**Bongartz-Augustine#3**

ATTN: Randy Kilian

Job Ticket: 65012

**DST#: 2**

Test Start: 2018.12.03 @ 05:22:26

## GENERAL INFORMATION:

Formation: **Lower Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:12:47

Time Test Ended: 15:18:16

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 73

**Interval: 4027.00 ft (KB) To 4092.00 ft (KB) (TVD)**

Reference Elevations: 2301.00 ft (KB)

Total Depth: 4092.00 ft (KB) (TVD)

2293.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 6771**

**Inside**

Press@RunDepth: 202.49 psig @ 4028.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.12.03

End Date:

2018.12.03

Last Calib.:

2018.12.03

Start Time: 05:22:27

End Time:

15:18:16

Time On Btm:

2018.12.03 @ 08:12:32

Time Off Btm:

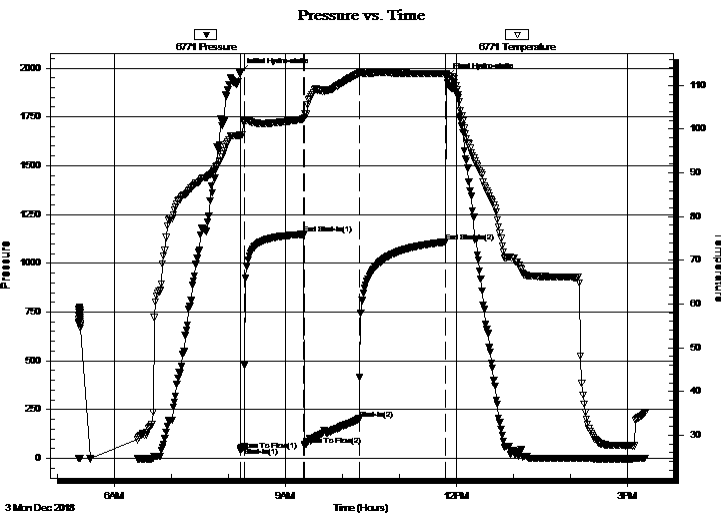
2018.12.03 @ 11:49:47

TEST COMMENT: 05- IF- Built to 6.19"

60- IS- No blow

60- FF- BOB 12 mins. Built to 54.95"

90- FS- Surface blow



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1975.01         | 98.69        | Initial Hydro-static |
| 1           | 39.33           | 98.32        | Open To Flow (1)     |
| 4           | 58.51           | 101.72       | Shut-In(1)           |
| 67          | 1148.54         | 102.31       | End Shut-In(1)       |
| 68          | 67.35           | 102.62       | Open To Flow (2)     |
| 126         | 202.49          | 112.75       | Shut-In(2)           |
| 217         | 1108.88         | 112.66       | End Shut-In(2)       |
| 218         | 1952.41         | 112.37       | Final Hydro-static   |

## Recovery

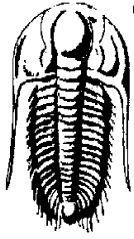
## Gas Rates

| Length (ft) | Description     | Volume (bbl) |
|-------------|-----------------|--------------|
| 380.00      | HOCM, 40%O 60%M | 5.09         |
| 60.00       | CGO, 15%G 85%O  | 0.85         |
| 0.00        | 130' GIP        | 0.00         |
|             |                 |              |
|             |                 |              |

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

DaMar Resources, Inc.

**29-13S-21W Trego,KS**

PO Box 70  
Hays, KS 67601

**Bongartz-Augustine#3**

Job Ticket: 65012

**DST#: 2**

ATTN: Randy Kilian

Test Start: 2018.12.03 @ 05:22:26

## Tool Information

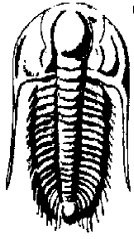
|                           |                    |                       |                            |                                    |
|---------------------------|--------------------|-----------------------|----------------------------|------------------------------------|
| Drill Pipe:               | Length: 3995.00 ft | Diameter: 3.82 inches | Volume: 56.63 bbl          | Tool Weight: 2500.00 lb            |
| Heavy Wt. Pipe:           | Length: ft         | Diameter: inches      | Volume: - bbl              | Weight set on Packer: 25000.00 lb  |
| Drill Collar:             | Length: 32.00 ft   | Diameter: 2.25 inches | Volume: 0.16 bbl           | Weight to Pull Loose: 60000.00 lb  |
|                           |                    |                       | <u>Total Volume: - bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 28.00 ft           |                       |                            | String Weight: Initial 55000.00 lb |
| Depth to Top Packer:      | 4027.00 ft         |                       |                            | Final 56000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                            |                                    |
| Interval between Packers: | 65.00 ft           |                       |                            |                                    |
| Tool Length:              | 93.00 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  |      |         | 4000.00 |                               |
| Shut In Tool    | 5.00  |      |         | 4005.00 |                               |
| Hydraulic tool  | 5.00  |      |         | 4010.00 |                               |
| Jars            | 5.00  |      |         | 4015.00 |                               |
| Safety Joint    | 3.00  |      |         | 4018.00 |                               |
| Packer          | 5.00  |      |         | 4023.00 | 28.00 Bottom Of Top Packer    |
| Packer          | 4.00  |      |         | 4027.00 |                               |
| Stubb           | 1.00  |      |         | 4028.00 |                               |
| Recorder        | 0.00  | 6771 | Inside  | 4028.00 |                               |
| Recorder        | 0.00  | 6753 | Outside | 4028.00 |                               |
| Perforations    | 27.00 |      |         | 4055.00 |                               |
| Change Over Sub | 1.00  |      |         | 4056.00 |                               |
| Drill Pipe      | 32.00 |      |         | 4088.00 |                               |
| Change Over Sub | 1.00  |      |         | 4089.00 |                               |
| Bullnose        | 3.00  |      |         | 4092.00 | 65.00 Bottom Packers & Anchor |

**Total Tool Length: 93.00**



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

DaMar Resources, Inc.

**29-13S-21W Trego,KS**

PO Box 70  
Hays, KS 67601

**Bongartz-Augustine#3**

Job Ticket: 65012

**DST#: 2**

ATTN: Randy Kilian

Test Start: 2018.12.03 @ 05:22:26

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

| Length<br>ft | Description     | Volume<br>bbl |
|--------------|-----------------|---------------|
| 380.00       | HOCM, 40%O 60%M | 5.090         |
| 60.00        | CGO, 15%G 85%O  | 0.851         |
| 0.00         | 130' GIP        | 0.000         |

Total Length: 440.00 ft      Total Volume: 5.941 bbl

Num Fluid Samples: 0

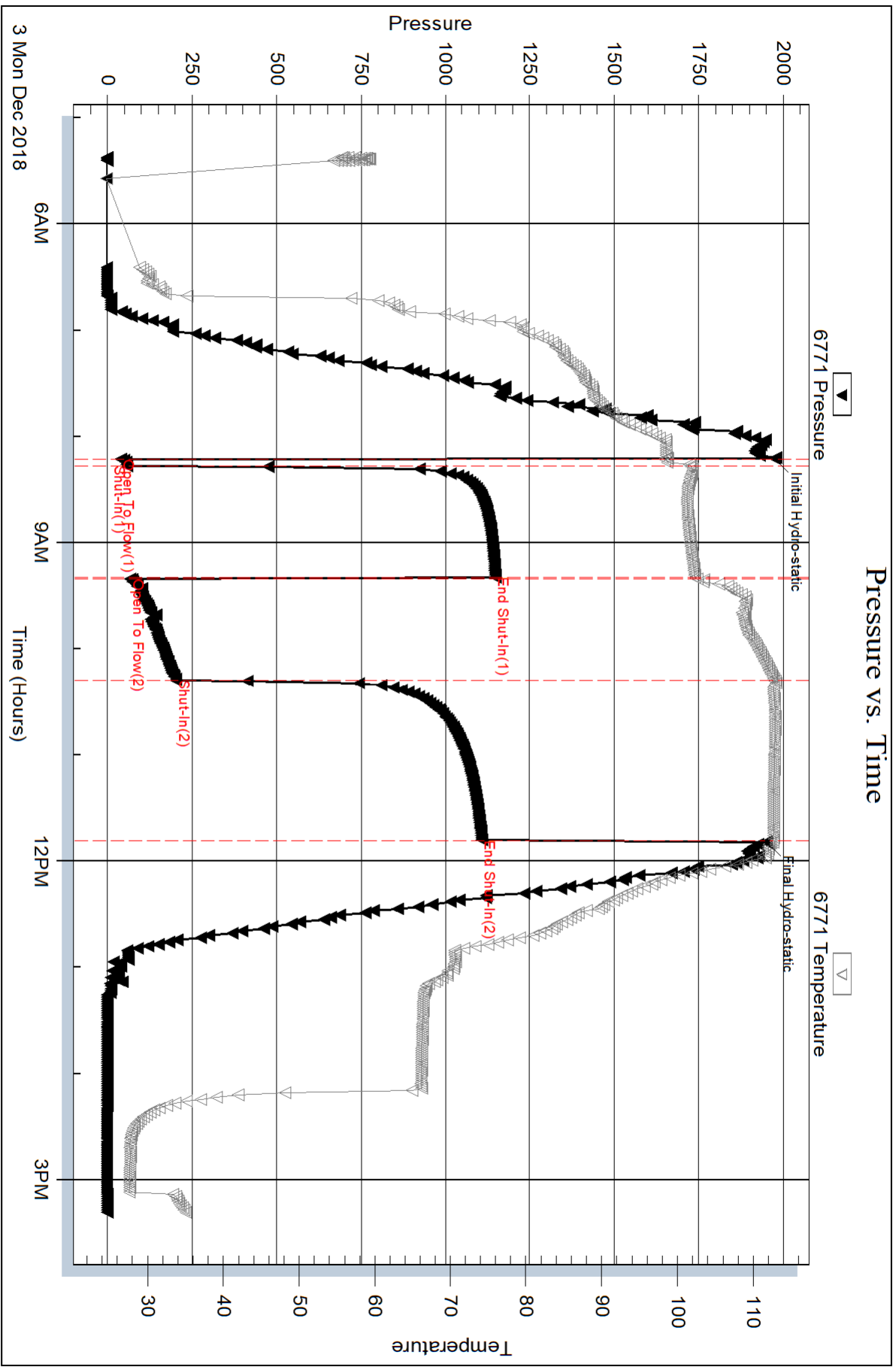
Num Gas Bombs: 0

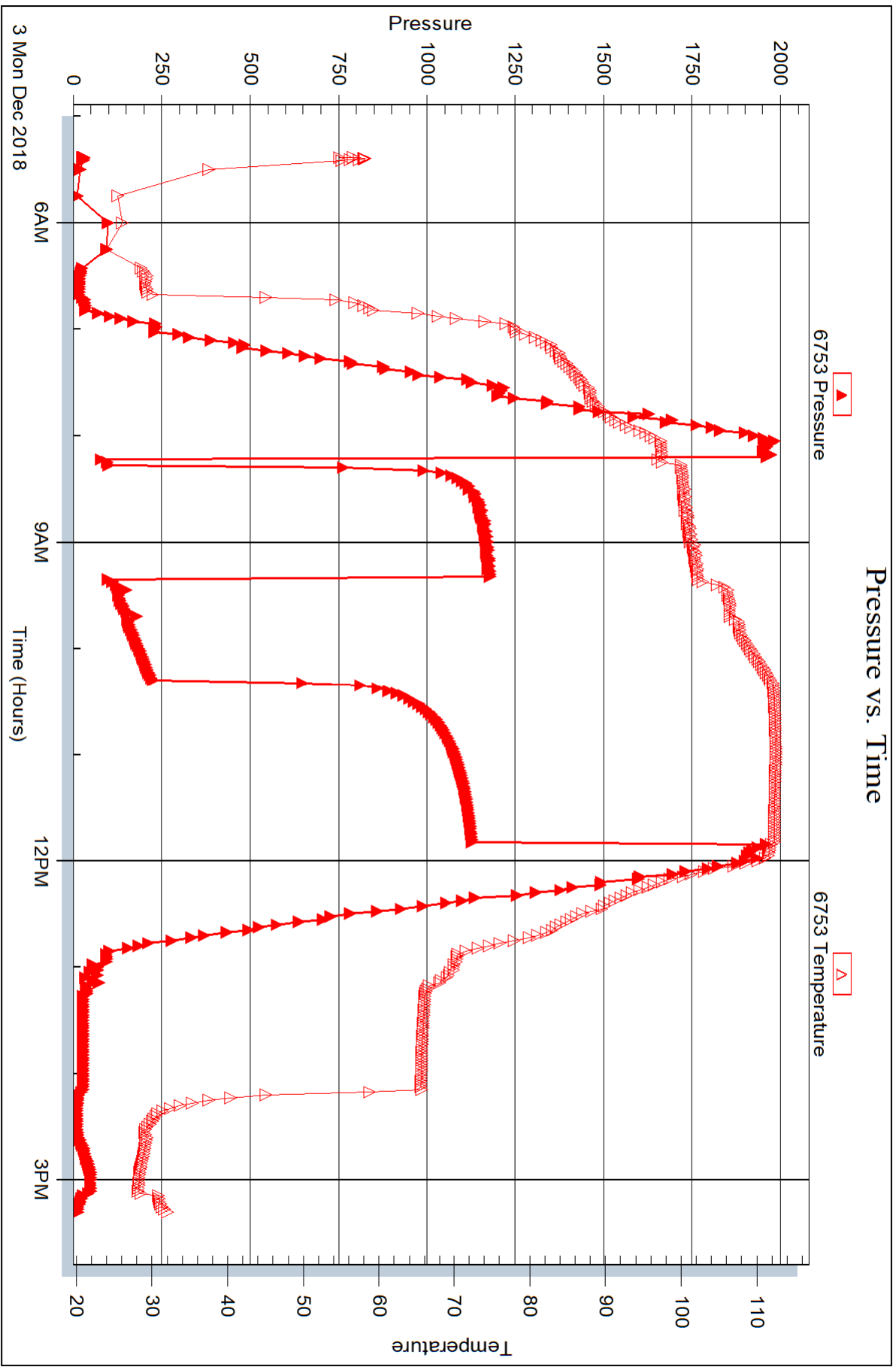
Serial #:

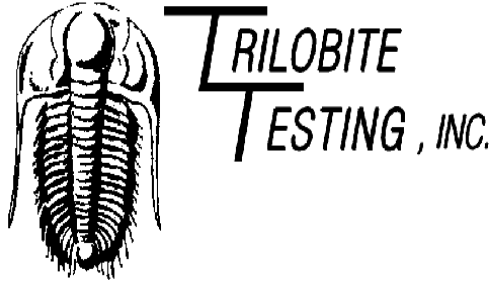
Laboratory Name:

Laboratory Location:

Recovery Comments:







## DRILL STEM TEST REPORT

Prepared For: **DaMar Resources, Inc.**

PO Box 70  
Hays, KS 67601

ATTN: Randy Kilian

### **Bongartz-Augustine#3**

### **29-13S-21W Trego,KS**

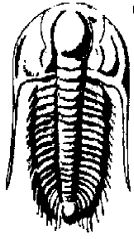
Start Date: 2018.12.04 @ 01:54:09

End Date: 2018.12.04 @ 10:08:45

Job Ticket #: 65013                      DST #: 3

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2018.12.04 @ 11:35:38



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

DaMar Resources, Inc.

**29-13S-21W Trego, KS**

PO Box 70  
Hays, KS 67601

**Bongartz-Augustine#3**

ATTN: Randy Kilian

Job Ticket: 65013

**DST#: 3**

Test Start: 2018.12.04 @ 01:54:09

## GENERAL INFORMATION:

Formation: **Lower Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:52:30

Time Test Ended: 10:08:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 73

**Interval: 4027.00 ft (KB) To 4097.00 ft (KB) (TVD)**

Reference Elevations: 2301.00 ft (KB)

Total Depth: 4097.00 ft (KB) (TVD)

2293.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 6771**

**Inside**

Press@RunDepth: 257.75 psig @ 4028.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.12.04

End Date:

2018.12.04

Last Calib.: 2018.12.04

Start Time: 01:54:10

End Time:

10:08:45

Time On Btm: 2018.12.04 @ 03:52:00

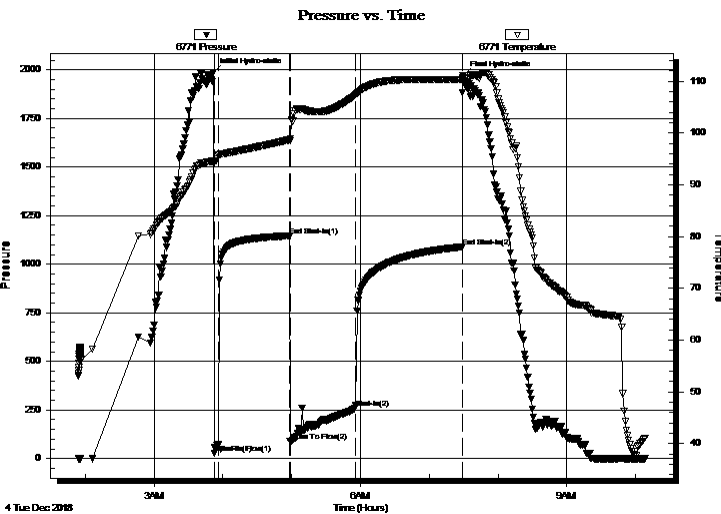
Time Off Btm: 2018.12.04 @ 07:29:30

TEST COMMENT: 05- IF- Built to 6.81"

60- IS- Surface blow

60- FF- BOB 9 mins. Built to 64.14"

90- FSI- No blow



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1986.96         | 94.61        | Initial Hydro-static |
| 1           | 27.53           | 94.23        | Open To Flow (1)     |
| 4           | 72.32           | 95.82        | Shut-In(1)           |
| 66          | 1145.70         | 98.69        | End Shut-In(1)       |
| 67          | 87.45           | 98.58        | Open To Flow (2)     |
| 124         | 257.75          | 107.27       | Shut-In(2)           |
| 217         | 1089.25         | 110.35       | End Shut-In(2)       |
| 218         | 1970.57         | 110.52       | Final Hydro-static   |

## Recovery

| Length (ft) | Description          | Volume (bbl) |
|-------------|----------------------|--------------|
| 190.00      | WMCO, 10%W 35%M 55%O | 2.40         |
| 350.00      | HOCM, 40%O 60%M      | 4.96         |
| 30.00       | CO                   | 0.43         |
| 0.00        | 65' GIP              | 0.00         |
|             |                      |              |
|             |                      |              |

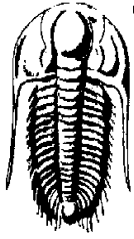
\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

DaMar Resources, Inc.

**29-13S-21W Trego,KS**

PO Box 70  
Hays, KS 67601

**Bongartz-Augustine#3**

Job Ticket: 65013

**DST#: 3**

ATTN: Randy Kilian

Test Start: 2018.12.04 @ 01:54:09

## Tool Information

|                           |                    |                       |                            |                                    |
|---------------------------|--------------------|-----------------------|----------------------------|------------------------------------|
| Drill Pipe:               | Length: 3995.00 ft | Diameter: 3.82 inches | Volume: 56.63 bbl          | Tool Weight: 2500.00 lb            |
| Heavy Wt. Pipe:           | Length: ft         | Diameter: inches      | Volume: - bbl              | Weight set on Packer: 25000.00 lb  |
| Drill Collar:             | Length: 32.00 ft   | Diameter: 2.25 inches | Volume: 0.16 bbl           | Weight to Pull Loose: 63000.00 lb  |
|                           |                    |                       | <u>Total Volume: - bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 28.00 ft           |                       |                            | String Weight: Initial 52000.00 lb |
| Depth to Top Packer:      | 4027.00 ft         |                       |                            | Final 56000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                            |                                    |
| Interval between Packers: | 70.00 ft           |                       |                            |                                    |
| Tool Length:              | 98.00 ft           |                       |                            |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                            |                                    |

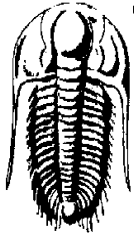
Tool Comments:

## Tool Description

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 4000.00    |                               |
| Shut In Tool     | 5.00        |            |          | 4005.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 4010.00    |                               |
| Jars             | 5.00        |            |          | 4015.00    |                               |
| Safety Joint     | 3.00        |            |          | 4018.00    |                               |
| Packer           | 5.00        |            |          | 4023.00    | 28.00 Bottom Of Top Packer    |
| Packer           | 4.00        |            |          | 4027.00    |                               |
| Stubb            | 1.00        |            |          | 4028.00    |                               |
| Recorder         | 0.00        | 6771       | Inside   | 4028.00    |                               |
| Recorder         | 0.00        | 6753       | Outside  | 4028.00    |                               |
| Perforations     | 2.00        |            |          | 4030.00    |                               |
| Change Over Sub  | 1.00        |            |          | 4031.00    |                               |
| Drill Pipe       | 62.00       |            |          | 4093.00    |                               |
| Change Over Sub  | 1.00        |            |          | 4094.00    |                               |
| Bullnose         | 3.00        |            |          | 4097.00    | 70.00 Bottom Packers & Anchor |

**Total Tool Length: 98.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

DaMar Resources, Inc.

**29-13S-21W Trego,KS**

PO Box 70  
Hays, KS 67601

**Bongartz-Augustine#3**

Job Ticket: 65013

**DST#: 3**

ATTN: Randy Kilian

Test Start: 2018.12.04 @ 01:54:09

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

30000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

| Length<br>ft | Description          | Volume<br>bbbl |
|--------------|----------------------|----------------|
| 190.00       | WMCO, 10%W 35%M 55%O | 2.397          |
| 350.00       | HOCM, 40%O 60%M      | 4.961          |
| 30.00        | CO                   | 0.425          |
| 0.00         | 65' GIP              | 0.000          |

Total Length: 570.00 ft

Total Volume: 7.783 bbl

Num Fluid Samples: 0

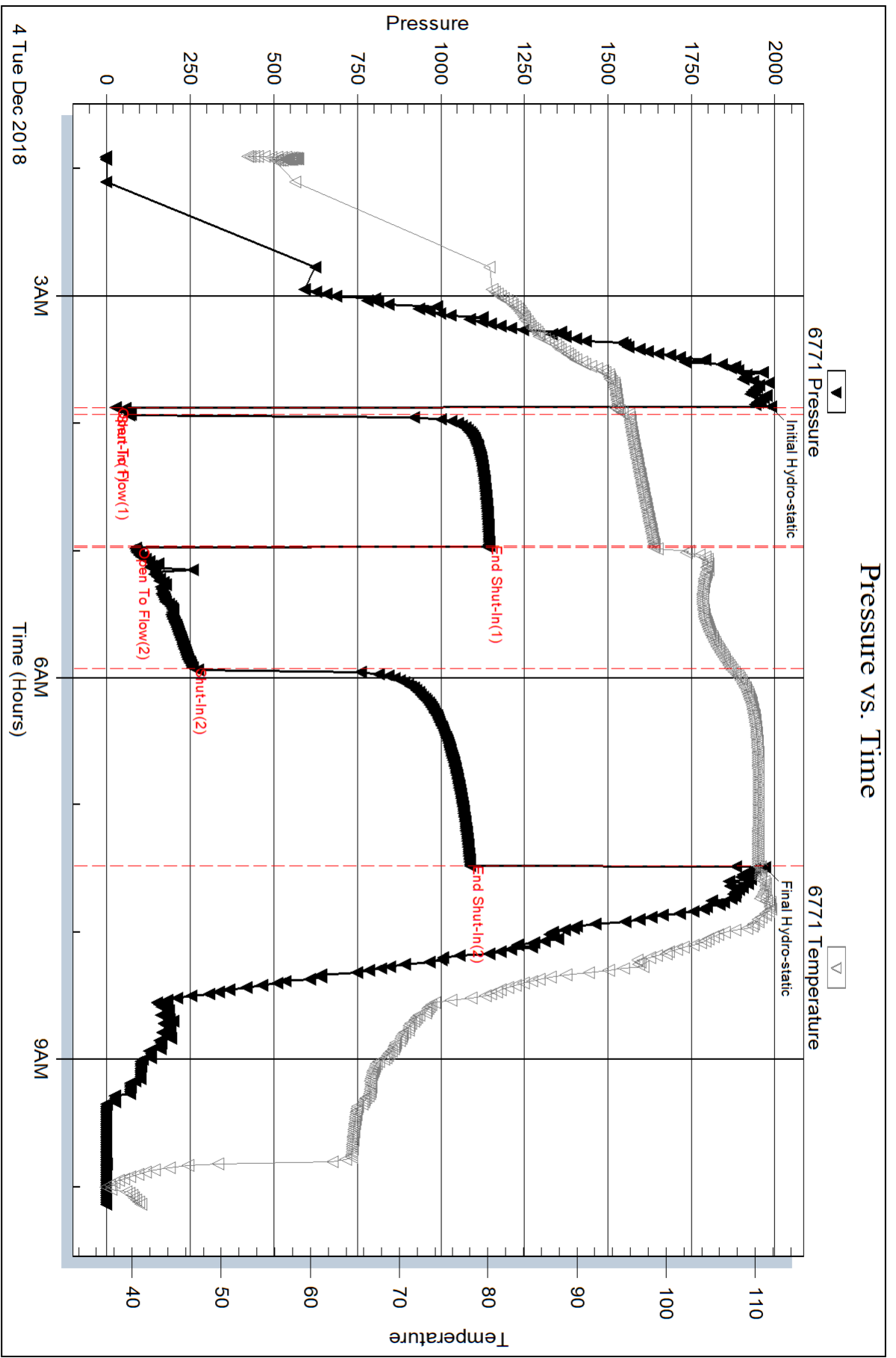
Num Gas Bombs: 0

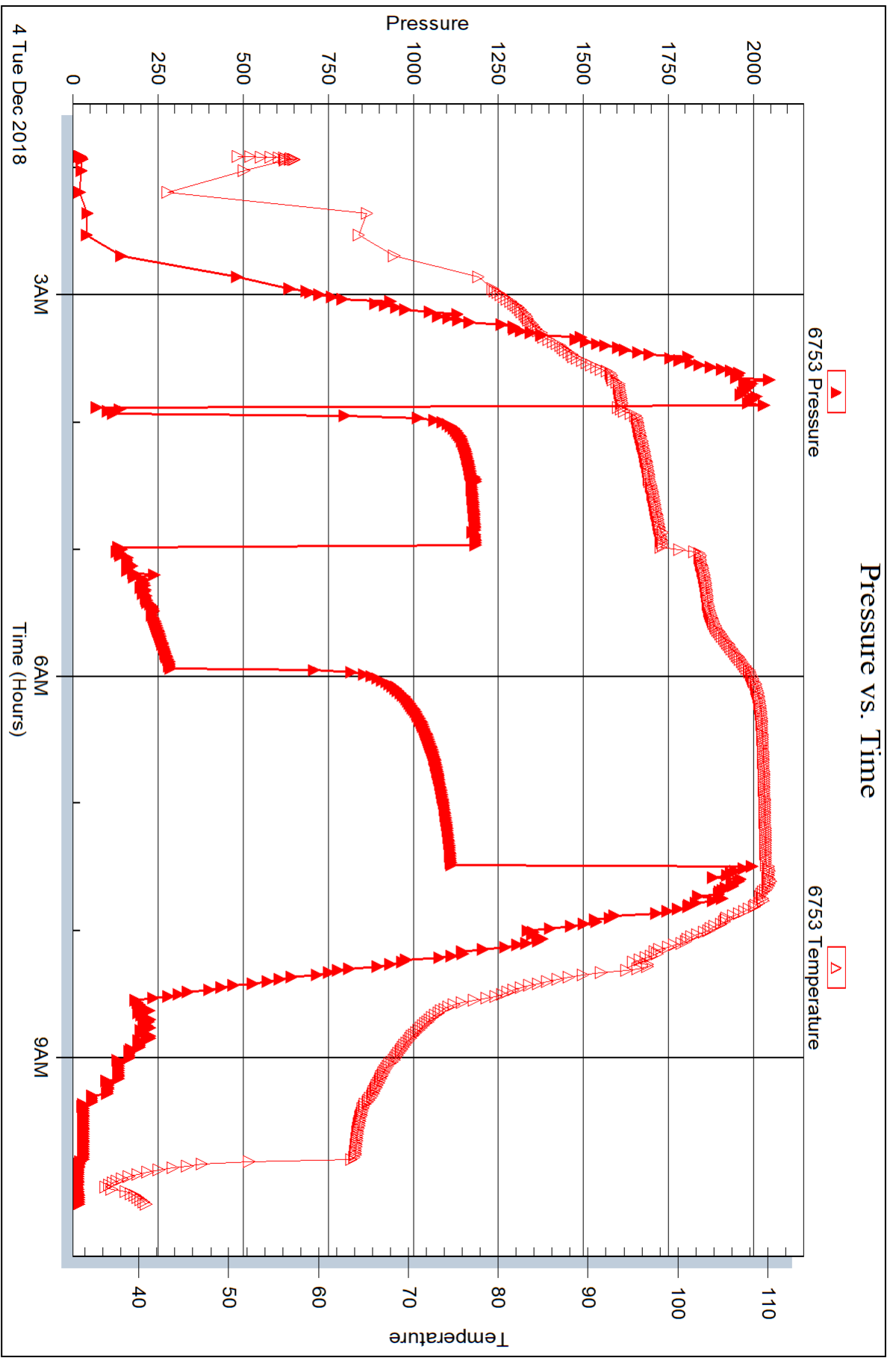
Serial #:

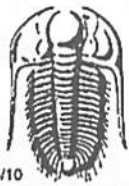
Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .30@50deg







# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 65011

Well Name & No. Bongartz-Augustine #3 Test No. 1 Date 12/2/18  
 Company DaMar Resources, Inc Elevation 2301 KB 2293 GL  
 Address 234 W. 11<sup>th</sup> Ste. A, PO Box 70 Hays, KS 67601  
 Co. Rep / Geo. Bandy Kilian Rig Discovery #4  
 Location: Sec. 29 Twp 13 S Rge. 21 W Co. Trego State KS

Interval Tested 4028-4077 Zone Tested Upper Cherokee Sand  
 Anchor Length 49' Drill Pipe Run 3995 Mud Wt. 9.0  
 Top Packer Depth 4023 Drill Collars Run 32 Vis 53  
 Bottom Packer Depth 4028 Wt. Pipe Run \_\_\_\_\_ WL 7.6  
 Total Depth 4077 Chlorides 3,500 ppm System LCM 2#

Blow Description IF - Built to 10.29"  
ISI - No blow  
FF - BOB 2mins. Built to 200+"  
FST - No blow

| Rec        | Feet of          | %gas | %oil | %water | %mud |
|------------|------------------|------|------|--------|------|
| <u>50'</u> | <u>M</u>         |      |      |        |      |
|            | <u>2105' LIP</u> |      |      |        |      |
|            |                  |      |      |        |      |
|            |                  |      |      |        |      |
|            |                  |      |      |        |      |

Rec Total 50' BHT 111° Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

|                                     |   |  |
|-------------------------------------|---|--|
| (A) Initial Hydrostatic <u>1963</u> | <input checked="" type="checkbox"/> Test <u>1150</u>        | T-On Location <u>1450</u>                          |
| (B) First Initial Flow <u>18</u>    | <input checked="" type="checkbox"/> Jars <u>250</u>         | T-Started <u>1601</u>                              |
| (C) First Final Flow <u>23</u>      | <input checked="" type="checkbox"/> Safety Joint <u>75</u>  | T-Open <u>1808</u>                                 |
| (D) Initial Shut-In <u>42</u>       | <input type="checkbox"/> Circ Sub _____                     | T-Pulled <u>2058</u>                               |
| (E) Second Initial Flow <u>23</u>   | <input type="checkbox"/> Hourly Standby _____               | T-Out <u>2258</u>                                  |
| (F) Second Final Flow <u>34</u>     | <input checked="" type="checkbox"/> Mileage <u>60 RT</u> 60 | Comments _____                                     |
| (G) Final Shut-In <u>43</u>         | <input type="checkbox"/> Sampler _____                      | <input type="checkbox"/> EM Tool _____             |
| (H) Final Hydrostatic <u>1954</u>   | <input type="checkbox"/> Straddle _____                     | <input type="checkbox"/> Ruined Shale Packer _____ |
| Initial Open <u>05</u>              | <input type="checkbox"/> Shale Packer _____                 | <input type="checkbox"/> Ruined Packer _____       |
| Initial Shut-In <u>60</u>           | <input type="checkbox"/> Extra Packer _____                 | <input type="checkbox"/> Extra Copies _____        |
| Final Flow <u>30</u>                | <input type="checkbox"/> Extra Recorder _____               | Sub Total <u>0</u>                                 |
| Final Shut-In <u>75</u>             | <input type="checkbox"/> Day Standby _____                  | Total <u>1535</u>                                  |
|                                     | <input type="checkbox"/> Accessibility _____                | MP/DST Disc't _____                                |
|                                     | Sub Total <u>1535</u>                                       |  |

Approved By \_\_\_\_\_ Our Representative Braman Lonsdale

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 65012

Well Name & No. Bongartz - Augustine #3 Test No. 2 Date 12/3/18  
 Company DeMar Resources, Inc. Elevation 2301 KB 2293 GL  
 Address 234 W. 11th St A, PO Box 70 Hays, KS 67601  
 Co. Rep / Geo. Randy Kilian Rig Discovery #4  
 Location: Sec. 29 Twp 13 S Rge. 21 W Co. Trego State KS

Interval Tested 4027-4092 Zone Tested Lower Cherokee Sand  
 Anchor Length 65' Drill Pipe Run 3995 Mud Wt. 9.0  
 Top Packer Depth 4022 Drill Collars Run 32 Vis 51  
 Bottom Packer Depth 4027 Wt. Pipe Run --- WL 7.6  
 Total Depth 4092 Chlorides 3,000 ppm System LCM 2#

Blow Description IF - Built to 6.19"  
ISF - No blow  
FF - BOB 12 mins. Built to 34.95"  
FSF - Surface blow

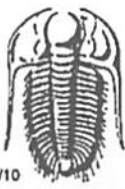
| Rec        | Feet of         | %gas       | %oil       | %water     | %mud       |
|------------|-----------------|------------|------------|------------|------------|
| <u>380</u> | <u>HOCM</u>     | <u>40</u>  | <u>40</u>  | <u>60</u>  | <u>---</u> |
| <u>60</u>  | <u>CGO</u>      | <u>15</u>  | <u>85</u>  | <u>---</u> | <u>---</u> |
| <u>---</u> | <u>130' GIP</u> | <u>---</u> | <u>---</u> | <u>---</u> | <u>---</u> |
| <u>---</u> | <u>---</u>      | <u>---</u> | <u>---</u> | <u>---</u> | <u>---</u> |
| <u>---</u> | <u>---</u>      | <u>---</u> | <u>---</u> | <u>---</u> | <u>---</u> |

Rec Total 440' BHT 113° Gravity 35 API RW --- @ --- °F Chlorides --- ppm

|                                     |   |   |
|-------------------------------------|---|---|
| (A) Initial Hydrostatic <u>1975</u> | <input checked="" type="checkbox"/> Test <u>1150</u>        | T-On Location <u>0507</u>                               |
| (B) First Initial Flow <u>39</u>    | <input checked="" type="checkbox"/> Jars <u>250</u>         | T-Started <u>0522</u>                                   |
| (C) First Final Flow <u>59</u>      | <input checked="" type="checkbox"/> Safety Joint <u>75</u>  | T-Open <u>0812</u>                                      |
| (D) Initial Shut-In <u>1149</u>     | <input type="checkbox"/> Circ Sub <u>---</u>                | T-Pulled <u>1147</u>                                    |
| (E) Second Initial Flow <u>67</u>   | <input type="checkbox"/> Hourly Standby <u>---</u>          | T-Out <u>1518</u>                                       |
| (F) Second Final Flow <u>202</u>    | <input checked="" type="checkbox"/> Mileage <u>60 RT 60</u> | Comments <u>---</u>                                     |
| (G) Final Shut-In <u>1109</u>       | <input type="checkbox"/> Sampler <u>---</u>                 | <input type="checkbox"/> EM Tool <u>---</u>             |
| (H) Final Hydrostatic <u>1952</u>   | <input type="checkbox"/> Straddle <u>---</u>                | <input type="checkbox"/> Ruined Shale Packer <u>---</u> |
| Initial Open <u>05</u>              | <input type="checkbox"/> Shale Packer <u>---</u>            | <input type="checkbox"/> Ruined Packer <u>---</u>       |
| Initial Shut-In <u>60</u>           | <input type="checkbox"/> Extra Packer <u>---</u>            | <input type="checkbox"/> Extra Copies <u>---</u>        |
| Final Flow <u>60</u>                | <input type="checkbox"/> Extra Recorder <u>---</u>          | Sub Total <u>0</u>                                      |
| Final Shut-In <u>90</u>             | <input type="checkbox"/> Day Standby <u>---</u>             | Total <u>1535</u>                                       |
|                                     | <input type="checkbox"/> Accessibility <u>---</u>           | MP/DST Disc't <u>---</u>                                |
|                                     | Sub Total <u>1535</u>                                       |   |

Approved By \_\_\_\_\_ Our Representative Brannan Lonsdale

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 65013

Well Name & No. Borgartz - Augustine #3 Test No. 3 Date 12/4/18  
 Company DeMar Resources, Inc. Elevation 2301 KB 2293 GL  
 Address 234 W. 11th St. A, PO Box 70 Hays, KS 67601  
 Co. Rep / Geo. Randy Kilian Rig Discovery #4  
 Location: Sec. 29 Twp B S Rge. 21 W Co. Trego State KS

Interval Tested 4027-4097 Zone Tested Lower Cherokee Sand  
 Anchor Length 70' Drill Pipe Run 3995 Mud Wt. 90  
 Top Packer Depth 4022 Drill Collars Run 32 Vis 51  
 Bottom Packer Depth 4027 Wt. Pipe Run --- WL 2.6  
 Total Depth 4097 Chlorides 3000 ppm System LCM 2<sup>nd</sup>  
 Blow Description IF- Built to 6.81"  
ISF- Surface blow  
FF- Built to 64.14" BOB 9 mins  
FSF- No blow

| Rec        | Feet of        | %gas       | %oil       | %water     | %mud       |
|------------|----------------|------------|------------|------------|------------|
| <u>190</u> | <u>WMCO</u>    | <u>55</u>  | <u>10</u>  | <u>35</u>  | <u>---</u> |
| <u>350</u> | <u>HOCM</u>    | <u>40</u>  | <u>---</u> | <u>60</u>  | <u>---</u> |
| <u>30</u>  | <u>CO</u>      | <u>---</u> | <u>---</u> | <u>---</u> | <u>---</u> |
| <u>---</u> | <u>65' GIP</u> | <u>---</u> | <u>---</u> | <u>---</u> | <u>---</u> |
| <u>---</u> | <u>---</u>     | <u>---</u> | <u>---</u> | <u>---</u> | <u>---</u> |

Rec Total 570' BHT 110° Gravity 35 API RW .30 @ 50° F Chlorides 30,000 ppm

|                                     |   |   |
|-------------------------------------|---|---|
| (A) Initial Hydrostatic <u>1987</u> | <input checked="" type="checkbox"/> Test <u>1150</u>        | T-On Location <u>0119</u>                               |
| (B) First Initial Flow <u>28</u>    | <input checked="" type="checkbox"/> Jars <u>250</u>         | T-Started <u>0154</u>                                   |
| (C) First Final Flow <u>72</u>      | <input checked="" type="checkbox"/> Safety Joint <u>75</u>  | T-Open <u>0352</u>                                      |
| (D) Initial Shut-In <u>1146</u>     | <input type="checkbox"/> Circ Sub <u>---</u>                | T-Pulled <u>0727</u>                                    |
| (E) Second Initial Flow <u>87</u>   | <input type="checkbox"/> Hourly Standby <u>---</u>          | T-Out <u>1009</u>                                       |
| (F) Second Final Flow <u>258</u>    | <input checked="" type="checkbox"/> Mileage <u>60 RT</u> 60 | Comments <u>---</u>                                     |
| (G) Final Shut-In <u>1089</u>       | <input type="checkbox"/> Sampler <u>---</u>                 | <u>---</u>  |
| (H) Final Hydrostatic <u>1971</u>   | <input type="checkbox"/> Straddle <u>---</u>                | <u>---</u>  |
| Initial Open <u>05</u>              | <input type="checkbox"/> Shale Packer <u>---</u>            | <input type="checkbox"/> EM Tool <u>---</u>             |
| Initial Shut-In <u>60</u>           | <input type="checkbox"/> Extra Packer <u>---</u>            | <input type="checkbox"/> Ruined Shale Packer <u>---</u> |
| Final Flow <u>60</u>                | <input type="checkbox"/> Extra Recorder <u>---</u>          | <input type="checkbox"/> Ruined Packer <u>---</u>       |
| Final Shut-In <u>90</u>             | <input type="checkbox"/> Day Standby <u>---</u>             | <input type="checkbox"/> Extra Copies <u>---</u>        |
|                                     | <input type="checkbox"/> Accessibility <u>---</u>           | Sub Total <u>0</u>                                      |
|                                     | Sub Total <u>1535</u>                                       | Total <u>1535</u>                                       |

Approved By \_\_\_\_\_

Our Representative Braman Lonsdale

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.