





|           |                          |
|-----------|--------------------------|
| Form      | ACO1 - Well Completion   |
| Operator  | Mai Oil Operations, Inc. |
| Well Name | BENSON 7                 |
| Doc ID    | 1682255                  |

All Electric Logs Run

|       |
|-------|
|       |
| DIL   |
| CDN   |
| Micro |
| Sonic |

|           |                          |
|-----------|--------------------------|
| Form      | ACO1 - Well Completion   |
| Operator  | Mai Oil Operations, Inc. |
| Well Name | BENSON 7                 |
| Doc ID    | 1682255                  |

#### Tops

| Name          | Top  | Datum |
|---------------|------|-------|
| Anhydrite     | 979  | 1069  |
| Heebner       | 3488 | -1440 |
| Toronto       | 3510 | -1462 |
| Douglas       | 3528 | -1480 |
| Brown Lime    | 3616 | -1508 |
| Lansing       | 3624 | -1576 |
| Base KC       | 3877 | -1829 |
| Viola         | 3987 | -1939 |
| Simpson Shale | 4019 | -1971 |
| Simpson Sand  | 4027 | -1979 |
| Arbuckle      | 4048 | -2000 |
| Granit        | 4162 | -2114 |

|           |                          |
|-----------|--------------------------|
| Form      | ACO1 - Well Completion   |
| Operator  | Mai Oil Operations, Inc. |
| Well Name | BENSON 7                 |
| Doc ID    | 1682255                  |

#### Casing

| Purpose Of String | Size Hole Drilled | Size Casing Set | Weight | Setting Depth | Type Of Cement | Number of Sacks Used | Type and Percent Additives |
|-------------------|-------------------|-----------------|--------|---------------|----------------|----------------------|----------------------------|
| Surface           | 12.25             | 8.625           | 23     | 569           | 60/40          | 350                  | 4%CC,2% gel                |
| Production        | 7.875             | 5.5             | 15.5   | 4174          | QProC          | 310                  | 10%Salt,5 %Gil             |
|                   |                   |                 |        |               |                |                      |                            |
|                   |                   |                 |        |               |                |                      |                            |

**JAMES C. MUSGROVE**  
Petroleum Geologist, LLC  
212 Main Street  
P.O. Box 215  
Claflin, KS 67525

Office (620) 588-4250

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Mai Oil Operations, Inc.  
Benson #7  
NE-SE-NW-NW (662' FNL & 1147' FWL)  
Section 30-23s-15w  
Pawnee County, Kansas

Page 1

**5 ½ Production Casing Set**

**Contractor:** Southwind Drilling Co. (rig #1)

**Commenced:** September 27, 2022

**Completed:** October 5, 2022

**Elevation:** 2048' K.B., 2046' D.F., 2038' G.L.

**Casing program:** Surface; 8 5/8" @ 540'  
Production, 5 ½" @ 4174

**Sample:** Samples saved and examined 3300' to the Rotary Total Depth.

**Drilling time:** One (1) foot drilling time recorded and kept 3300' to the Rotary Total Depth.

**Measurements:** All depths measured from the Kelly Bushing.

**Drill Stem Tests:** There were six (6) tests ran by Trilobite Testing Co.

**Electric Log:** By Eli; Dual Induction; Compensated Density/Neutron Log; Micro Log and Sonic

| <u>Formation</u>   | <u>Log Depth</u> | <u>Sub-Sea Datum</u> |
|--------------------|------------------|----------------------|
| Anhydrite          | 979              | +1069                |
| Base Anhydrite     | 1005             | +1043                |
| Heebner            | 3488             | -1440                |
| Toronto            | 3510             | -1462                |
| Douglas            | 3528             | -1480                |
| Brown Lime         | 3616             | -1508                |
| Lansing            | 3624             | -1576                |
| Base Kansas City   | 3877             | -1829                |
| Viola              | 3987             | -1939                |
| Simpson Shale      | 4019             | -1971                |
| Simpson Sand       | 4027             | -1979                |
| Arbuckle           | 4048             | -2000                |
| Granite            | 4162             | -2114                |
| Rotary Total Depth | 4175             | -2127                |
| Log Total Depth    | 4175             | -2127                |

(All tops and zone(s) corrected to Electric Log measurements0)

**SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.**

**TOPEKA SECTION**

|            |                                                                                             |
|------------|---------------------------------------------------------------------------------------------|
| 3368-3380' | Limestone, white; tan, fine and medium crystalline; chalky; scattered porosity, no shows    |
| 3386-3400' | Limestone, white, gray, cream, fine and medium crystalline, fair porosity with white chalk. |
| 3432-3456' | Limestone; as above, fair porosity                                                          |
| 3456-3480' | Limestone, tan, brown; slightly cherty (dense)                                              |

**TORONTO SECTION**

|            |                                                                                              |
|------------|----------------------------------------------------------------------------------------------|
| 3510-3520' | Limestone, gray, white, finely crystalline, chalky in part; poor visible porosity, no shows. |
|------------|----------------------------------------------------------------------------------------------|

**LANSING SECTION**

|                                                          |                                                                                                                                                                                                                                                                   |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3630-3635'                                               | Limestone, white, cream, fossiliferous, chalky; few cherty; scattered porosity; trace brown stain; trace of free oil and no odor.                                                                                                                                 |
| 3649-3654'                                               | Limestone; white; gray; fossiliferous; medium crystalline; chalky in part; spotted brown stain, show of free oil and questionable odor.                                                                                                                           |
| <b><u>Drill Stem Test #1</u></b> <b><u>3621-3663</u></b> |                                                                                                                                                                                                                                                                   |
| <b>Times:        30-30-45-60</b>                         |                                                                                                                                                                                                                                                                   |
| <b>Blow:         Fair</b>                                |                                                                                                                                                                                                                                                                   |
| <b>Recovery:    85' mud</b>                              |                                                                                                                                                                                                                                                                   |
| <b>Pressures:   ISIP   1279        psi</b>               |                                                                                                                                                                                                                                                                   |
| <b>                 FSIP   Invalid (plugging)</b>        |                                                                                                                                                                                                                                                                   |
| <b>                 IFP    39-59        psi</b>          |                                                                                                                                                                                                                                                                   |
| <b>                 FFP   Invalid (plugging)</b>         |                                                                                                                                                                                                                                                                   |
| <b>                 HSH   1818-1749    psi</b>           |                                                                                                                                                                                                                                                                   |
| 3669-3676'                                               | Limestone; tan, gray, finely crystalline, fossiliferous, poor visible porosity, trace black edge staining, no free oil and no odor.                                                                                                                               |
| 3694-3710'                                               | Limestone, white, gray, finely crystalline, fossiliferous, chalky, fair pinpoint to fine inter-crystalline porosity, brown and golden stain, show of free oil and questionable odor.                                                                              |
| 3716-3722'                                               | Limestone, white, gray, finely crystalline, chalky in part; fine pinpoint type porosity; golden brown spotty to 100% stain and saturation; show of free oil and faint odor with trace gray, oolitic/fossiliferous, chalky limestone, gray, brown and black stain. |

**Drill Stem Test #2** **3681-3722**

**Times:** 30-30-45-60

**Blow:** Strong (b.o.b. 11 mins)  
**2<sup>nd</sup> Opening** Strong (b.o.b. 8 mins)

**Recovery:** 30' muddy oil; trace of water  
(85% oil; 5% water; 10%; mud)  
63' oil and gas cut water  
(10% oil; 40%water; 50% mud)  
189' slightly oil cut water  
(5% oil; 70% water; 25% mud)  
63' muddy water  
(90% water; 10% mud)  
120' muddy water  
(95% water; 5% mud)

**Pressures:** ISIP 1107 psi  
FSIP 1127 psi  
IFP 115-128 psi  
FFP 122-239 psi  
HSH 1842-1828 psi

3730-3750' Limestone, white, tan, finely crystalline, dense with chert, white; boney.

3756-3766' Limestone; gray; oomoldic, fair to good oomoldic porosity; fair to good brown stain and saturation; fair show of free oil and faint odor.

**Drill Stem Test #3** **3794-3772**

**Times:** 30-30-45-60

**Blow:** Strong (b.o.b. immediately) Good to surface  
**2<sup>nd</sup> Opening** Gas gauged as follows;  
10 min 6,960 cfgpd  
20 min 7,010 cfgpd  
30 min 7,000 cfgpd  
40 min 6,980 cfgpd

**Recovery:** 3515' gas in pipe  
94' oil and gas cut muddy water  
(10% gas; 5% oil; 30%; water; 55% mud)  
63' slightly oil and gas cut muddy water  
(35% gas; 5% oil; 35% water; 25% mud)  
63' Slightly oil cut water  
(5% oil; 65% water; 30% mud)

**Pressures:** ISIP 486 psi  
FSIP 471 psi  
IFP 50-66 psi  
FFP 53-88 psi  
HSH 1853-1801 psi

3778-3784' Limestone, white, gray; oolitic, chalky; poor visible porosity; trace brown stain; no free oil and no odor.

3806-3814' Limestone, white, oolitic, oomoldic; fair oomoldic porosity, brown and black stain, show of free oil and faint odor in fresh samples.

- 3825-3832' Limestone, gray fossiliferous, poor visible porosity, few with spotty brown stain, no free oil and no odor.
- 3836-3844' Limestone, gray, oolitic, fossiliferous, poor porosity; brown spotted stain, no free oil and no odor in fresh samples.

**Drill Stem Test #4** **3770-3852**

**Times:** 30-30-45-60

**Blow:** Strong (b.o.b. immediately)  
**2<sup>nd</sup> Opening** Strong (b.o.b. 2 1/2 mins)

**Recovery:** 2600' gas in pipe  
450' muddy gassy oil, trace of water \*\*  
(50% oil; 30% gas; 15% mud; 5% water)

**Pressures:** ISIP 1123 psi  
FSIP 1117 psi  
IFP 75-136 psi  
FFP 138-210 psi  
HSH 1925-1926 psi

**\*\* Remarks; Recovery is different than what tester reported, sampling wasn't performed correctly**

- 3861-3871' Limestone, white, gray, chalky, trace gray amber chert.

**VIOLA SECTION**

- 3987-4000' Chert; amber, gray, white; boney, fresh; poor porosity; black stain, no free oil and no odor.
- 4000-4019' Chert; as above.

**SIMPSON SECTION**

- 4027-4032' Sand; clear; quartzitic, sub-rounded; shaley; trace light brown stain; no free oil and no odor.

**ARBUCKLE SECTION**

- 4048-4052' Dolomite; tan, finely crystalline, sucrosic, scattered pinpoint type porosity; light brown stain, trace of free oil and fair odor.
- 4052-4070' Dolomite, tan, finely crystalline, few medium crystalline, cherty; with tan, sucrosic dolomite; with golden brown stain, show of free oil and fair to good odor, good bright yellow fluorescence, trace blue green sandy shale (caving???)

**Drill Stem Test #5** **4011-4070**

**Times:** 22-135\*-30-60  
\*wait on proper gas equipment

**Blow:** Gas to surface 30 secs, shut down to wait on proper gas equipment

**2<sup>nd</sup> Opening** Gas to surface, gas gauged as follows:  
5 min 5,056,340 cfcpd  
10 min 5,794,900 cfcpd  
20 min 5,718,140 cfcpd  
30 min 5,927,430 cfcpd  
40 min 5,873,890 cfcpd  
50 min 5,863,890 cfcpd  
60 min 5,899,830 cfcpd

**Recovery:** 15' oil cut muddy water  
(20% oil; 75% water; 5% mud)

**Pressures:** ISIP 1399 psi  
FSIP 1395 psi  
IFP 909-1085 psi  
FFP 1048-1052 psi  
HSH 2066-2019 psi

4070-4091' Dolomite, as above, trace brown stain, show of free oil and fair to good odor in fresh samples.

**Drill Stem Test #6** **4072-4091**

**Times:** 15-30-45-60

**Blow:** Strong; Gas to surface 1 min  
Gas gauged as follows:  
10 min 5,186,290 cfcpd  
15 min 5,473,770 cfcpd

**2<sup>nd</sup> Open**  
10 min 5,675,020 cfcpd  
20 min 5,905,010 cfcpd  
30 min 5,703,770 cfcpd  
40 min 5,703,770 cfcpd  
45 min 5,703,770 cfcpd

**Recovery:** 189' muddy water

**Pressures:** ISIP 1397 psi  
FSIP 1395 psi  
IFP 1003-1055 psi  
FFP 1010-1065 psi  
HSH 2054-1961 psi

4100-4120' Dolomite; tan; white; brown, finely crystalline, slightly cherty; with white; boney chert and trace tan; oolitic dolomitc chert, no shows.

4120-4130' Dolomite; and chert, as above.

4130-4140' Dolomite; as above, scattered vuggy porosity.

4140-4164' Dolomite; tan, gray, finely crystalline dense, with gray and white chert.

Mai Oil Operations, Inc.  
Benson #7  
NE-SE-NW-NW (662' FNL & 1147' FWL)  
Section 30-23s-15w  
Pawnee County, Kansas

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**GRANITE SECTION**

4164-4175'            Granite; red; pink; with black muscovite, inclusions, no shows.

**Rotary Total Depth:    4175   -2127**  
**Log Total Depth:       4175   -2127**

**Recommendations:**

5 1/2" product in casing was set and cemented on the Mai Oil Operations, Inc. Benson #7.

Respectfully submitted,

James C Musgrove  
Petroleum Geologist



## DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations**

8411 Preston Rd Ste 800  
Dallas TX, 75225

ATTN: Jim Musgrove

### **Benson #7**

#### **30-15w-23s Pawnee,KS**

Start Date: 2022.10.01 @ 01:40:05

End Date: 2022.10.01 @ 08:03:14

Job Ticket #: 65060                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.10.07 @ 12:00:35



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Mai Oil Operations

8411 Preston Rd Ste 800  
Dallas TX, 75225

ATTN: Jim Musgrove

**30-15w-23s Pawnee, KS**

**Benson #7**

Job Ticket: 65060

**DST#: 1**

Test Start: 2022.10.01 @ 01:40:05

### GENERAL INFORMATION:

Formation: **LKC A - B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:21:15

Time Test Ended: 08:03:14

Test Type: Conventional Bottom Hole (Initial)

Tester: Richard Samora

Unit No: 66

**Interval: 3621.00 ft (KB) To 3663.00 ft (KB) (TVD)**

Total Depth: 3663.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2048.00 ft (KB)

2038.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 8355 Outside**

Press@RunDepth: 1269.97 psig @ 3660.02 ft (KB)

Start Date: 2022.10.01

End Date:

2022.10.01

Start Time: 01:40:05

End Time:

08:03:14

Capacity: 8000.00 psig

Last Calib.: 2022.10.01

Time On Btm: 2022.10.01 @ 03:13:00

Time Off Btm: 2022.10.01 @ 06:19:29

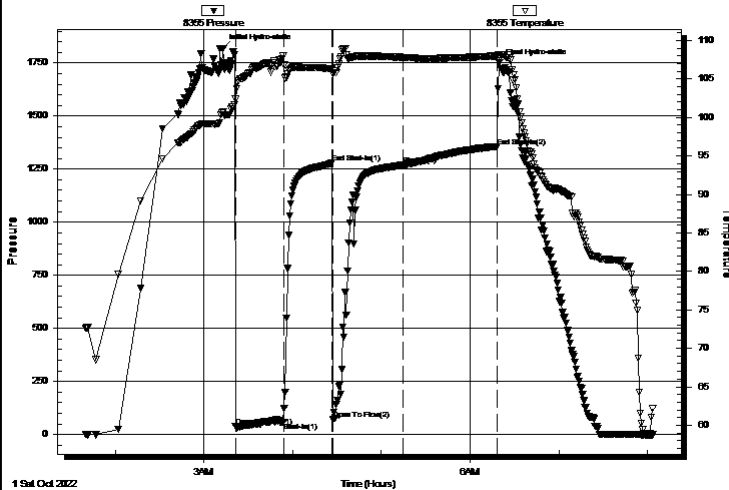
TEST COMMENT: 30-IF: Fair blow , built to 7.5"

30-ISI: No blow back

45-FF: Blow built to 3"

60-FSI: No blow back

Pressure vs. Time



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1818.31         | 100.66       | Initial Hydro-static |
| 9           | 38.77           | 102.36       | Open To Flow (1)     |
| 41          | 59.20           | 108.01       | Shut-In (1)          |
| 74          | 1279.47         | 106.33       | End Shut-In (1)      |
| 75          | 69.82           | 105.74       | Open To Flow (2)     |
| 122         | 1269.97         | 107.81       | Shut-In (2)          |
| 186         | 1356.52         | 107.99       | End Shut-In (2)      |
| 187         | 1748.90         | 108.02       | Final Hydro-static   |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 85.00       | mud         | 1.19         |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |

Gas Rates

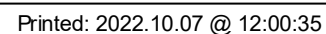
|  | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
|--|----------------|-----------------|------------------|



Test Start: 2022.10.01 @ 01:40:05

## KB to GR/CF: 10.00 ft

60-FSI: No blow back





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### TOOL DIAGRAM

Mai Oil Operations

**30-15w-23s Pawnee, KS**

8411 Preston Rd Ste 800  
Dallas TX, 75225

**Benson #7**

Job Ticket: 65060

**DST#: 1**

ATTN: Jim Musgrove

Test Start: 2022.10.01 @ 01:40:05

### Tool Information

|                           |         |            |           |             |               |           |                        |             |
|---------------------------|---------|------------|-----------|-------------|---------------|-----------|------------------------|-------------|
| Drill Pipe:               | Length: | 3609.00 ft | Diameter: | 3.80 inches | Volume:       | 50.62 bbl | Tool Weight:           | 2100.00 lb  |
| Heavy Wt. Pipe:           | Length: | 0.00 ft    | Diameter: | 3.25 inches | Volume:       | 0.00 bbl  | Weight set on Packer:  | 25000.00 lb |
| Drill Collar:             | Length: | 0.00 ft    | Diameter: | 2.25 inches | Volume:       | 0.00 bbl  | Weight to Pull Loose:  | 45000.00 lb |
|                           |         |            |           |             | Total Volume: | 50.62 bbl | Tool Chased            | 0.00 ft     |
| Drill Pipe Above KB:      |         | 14.00 ft   |           |             |               |           | String Weight: Initial | 41000.00 lb |
| Depth to Top Packer:      |         | 3621.00 ft |           |             |               |           | Final                  | 41000.00 lb |
| Depth to Bottom Packer:   |         | ft         |           |             |               |           |                        |             |
| Interval between Packers: |         | 42.02 ft   |           |             |               |           |                        |             |
| Tool Length:              |         | 68.02 ft   |           |             |               |           |                        |             |
| Number of Packers:        |         | 2          | Diameter: | 6.75 inches |               |           |                        |             |
| Tool Comments:            |         |            |           |             |               |           |                        |             |

### Tool Description

| Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|-------------|------------|----------|------------|----------------|
|-------------|------------|----------|------------|----------------|

|                  |       |      |         |                               |
|------------------|-------|------|---------|-------------------------------|
| Shut In Tool     | 4.00  |      | 3599.00 |                               |
| Hydraulic tool   | 4.00  |      | 3603.00 |                               |
| Sampler          | 4.00  |      | 3607.00 |                               |
| EM               | 5.00  |      | 3612.00 |                               |
| Safety Joint     | 2.00  |      | 3614.00 |                               |
| Packer           | 4.00  |      | 3618.00 | 26.00 Bottom Of Top Packer    |
| Packer           | 3.00  |      | 3621.00 |                               |
| Stubb            | 1.00  |      | 3622.00 |                               |
| Change Over Sub  | 1.00  |      | 3623.00 |                               |
| Drill Pipe       | 31.00 |      | 3654.00 |                               |
| Change Over Sub  | 1.00  |      | 3655.00 |                               |
| Recorder Carrier | 5.00  |      | 3660.00 |                               |
| Recorder         | 0.01  | 6839 | Inside  | 3660.01                       |
| Recorder         | 0.01  | 8355 | Outside | 3660.02                       |
| Bullnose         | 3.00  |      | 3663.02 | 42.02 Bottom Packers & Anchor |

**Total Tool Length: 68.02**



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Mai Oil Operations

**30-15w-23s Pawnee, KS**

8411 Preston Rd Ste 800  
Dallas TX, 75225

**Benson #7**

Job Ticket: 65060

**DST#: 1**

ATTN: Jim Musgrove

Test Start: 2022.10.01 @ 01:40:05

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 8.76 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

### Recovery Information

Recovery Table

| Length<br>ft | Description | Volume<br>bbl |
|--------------|-------------|---------------|
| 85.00        | mud         | 1.192         |

Total Length: 85.00 ft

Total Volume: 1.192 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

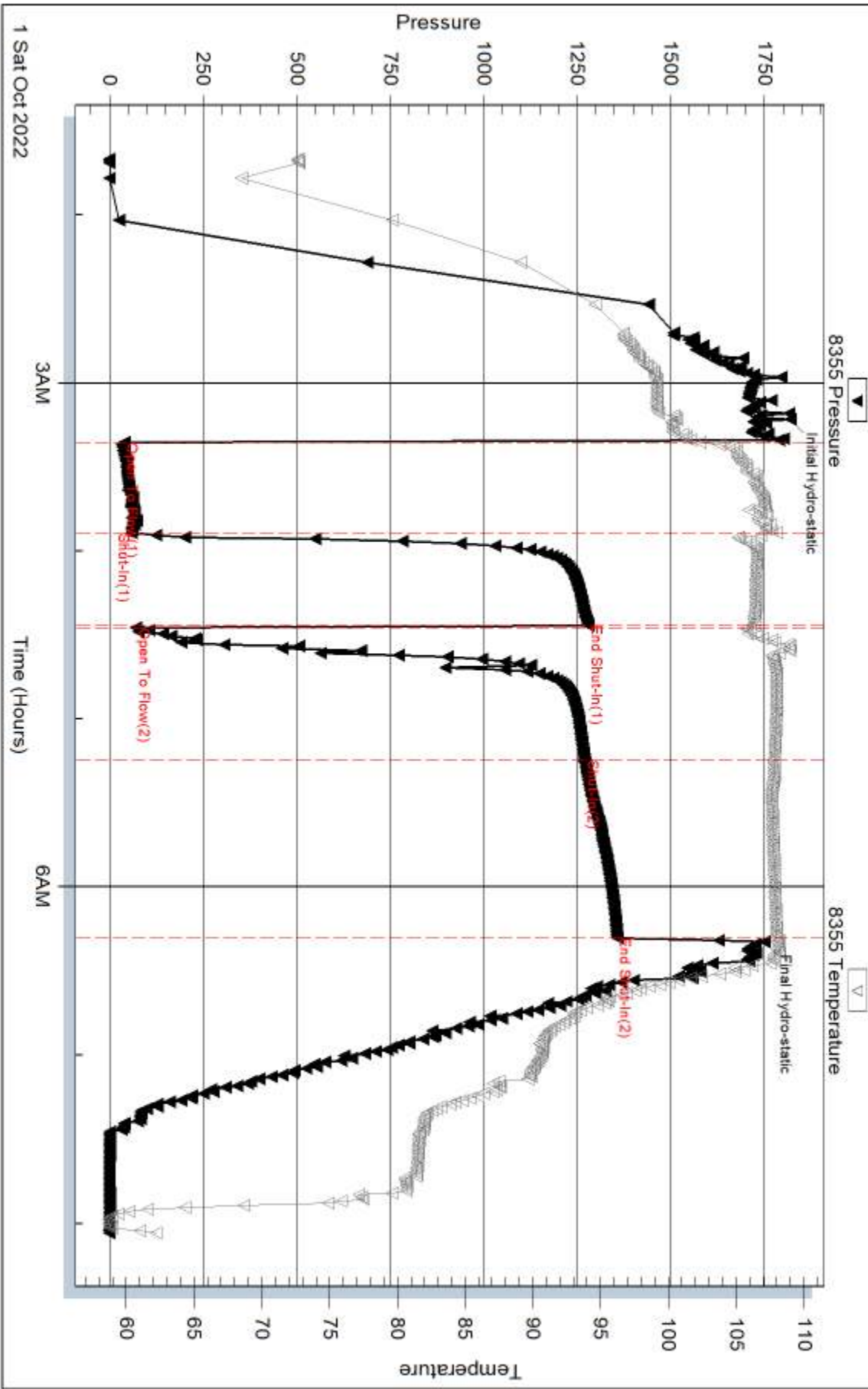
Serial #: 8355

Outside Mai Oil Operations

Benson #7

DST Test Number: 1

# Pressure vs. Time

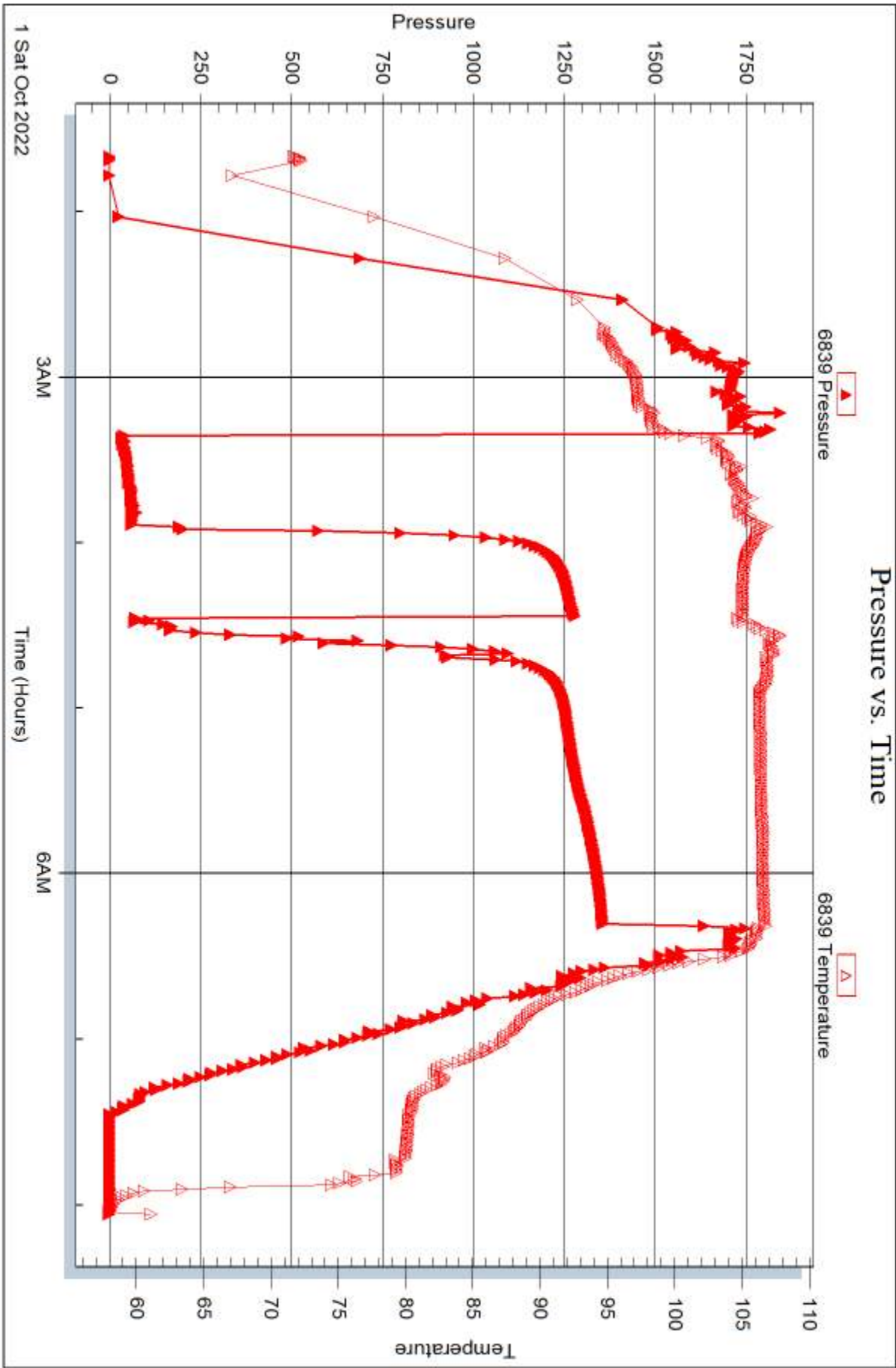


Serial #: 6839

Mai Oil Operations

Benson #7

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations**

8411 Preston Rd Ste 800  
Dallas TX, 75225

ATTN: Jim Musgrove

### **Benson #7**

#### **30-15w-23s Pawnee,KS**

Start Date: 2022.10.01 @ 17:35:00

End Date: 2022.10.02 @ 00:01:15

Job Ticket #: 65061                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.10.07 @ 12:00:07



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Mai Oil Operations

**30-15w-23s Pawnee, KS**

8411 Preston Rd Ste 800  
Dallas TX, 75225

**Benson #7**

Job Ticket: 65061

**DST#: 2**

ATTN: Jim Musgrove

Test Start: 2022.10.01 @ 17:35:00

### GENERAL INFORMATION:

Formation: **LKC F -G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:16:45

Time Test Ended: 00:01:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Richard Samora

Unit No: 66

**Interval: 3681.00 ft (KB) To 3722.00 ft (KB) (TVD)**

Total Depth: 3663.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2048.00 ft (KB)

2038.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 8355 Outside**

Press@RunDepth: 239.21 psig @ 3687.02 ft (KB)

Start Date: 2022.10.01

End Date:

2022.10.02

Start Time: 17:35:05

End Time:

00:01:14

Capacity: 8000.00 psig

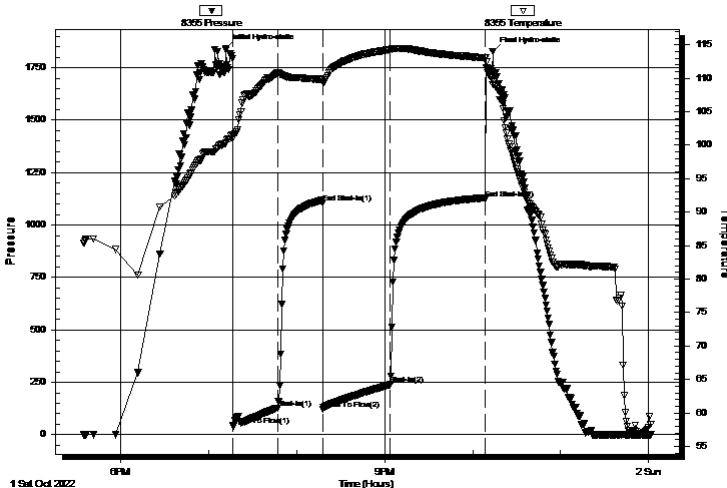
Last Calib.: 2022.10.01

Time On Btm: 2022.10.01 @ 19:12:00

Time Off Btm: 2022.10.01 @ 22:13:45

**TEST COMMENT:** 30-IF: Strong blow , BOB in 11 minutes, built to 24.5"  
30-ISI: No blow back  
45-FF: Strong blow , BOB in 8 minutes, built to 46.12"  
60-FSI: Blow back built to 2.26" then gradually fell off

Pressure vs. Time



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1842.09         | 100.32       | Initial Hydro-static |
| 5           | 44.73           | 100.94       | Open To Flow (1)     |
| 36          | 127.87          | 110.83       | Shut-In(1)           |
| 66          | 1106.99         | 109.84       | End Shut-In(1)       |
| 66          | 122.34          | 109.51       | Open To Flow (2)     |
| 112         | 239.21          | 114.31       | Shut-In(2)           |
| 177         | 1126.98         | 113.05       | End Shut-In(2)       |
| 182         | 1828.32         | 109.07       | Final Hydro-static   |

Recovery

| Length (ft) | Description    | Volume (bbl) |
|-------------|----------------|--------------|
| 126.00      | 0%O 95%W 5%M   | 1.77         |
| 63.00       | 0%O 90%W 10%M  | 0.88         |
| 189.00      | 5%O 70%W 25%M  | 2.65         |
| 63.00       | 10%O 40%W 50%M | 0.88         |
| 30.00       | 85%O 5%W 10%M  | 0.42         |

Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Mai Oil Operations

**30-15w-23s Pawnee, KS**

8411 Preston Rd Ste 800  
Dallas TX, 75225

**Benson #7**

Job Ticket: 65061

**DST#: 2**

ATTN: Jim Musgrove

Test Start: 2022.10.01 @ 17:35:00

### GENERAL INFORMATION:

Formation: **LKC F -G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:16:45

Time Test Ended: 00:01:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Richard Samora

Unit No: 66

**Interval: 3681.00 ft (KB) To 3722.00 ft (KB) (TVD)**

Total Depth: 3663.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2048.00 ft (KB)

2038.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 6839 Inside**

Press@RunDepth: psig @ 3687.01 ft (KB)

Start Date: 2022.10.01

End Date:

2022.10.01

Start Time: 17:35:05

End Time:

23:57:44

Capacity: 8000.00 psig

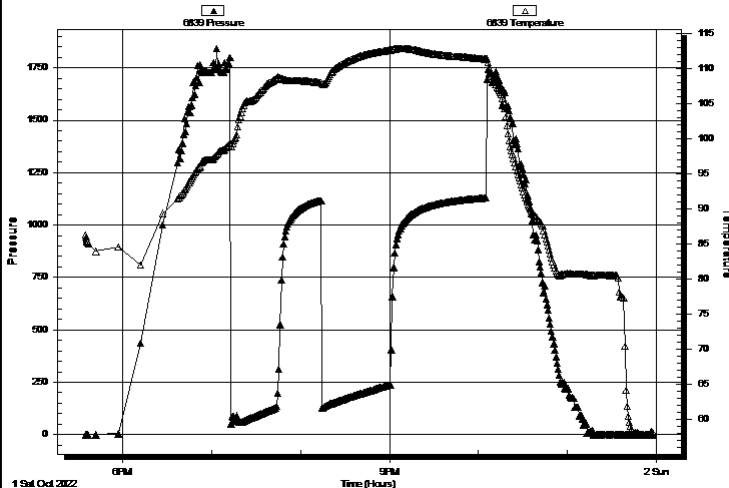
Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

**TEST COMMENT:** 30-IF: Strong blow , BOB in 11 minutes, built to 24.5"  
30-ISI: No blow back  
45-FF: Strong blow , BOB in 8 minutes, built to 46.12"  
60-FSI: Blow back built to 2.26" then gradually fell off

Pressure vs. Time



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|------------|
|-------------|-----------------|--------------|------------|

### Recovery

| Length (ft) | Description    | Volume (bbl) |
|-------------|----------------|--------------|
| 126.00      | 0%O 95%W 5%M   | 1.77         |
| 63.00       | 0%O 90%W 10%M  | 0.88         |
| 189.00      | 5%O 70%W 25%M  | 2.65         |
| 63.00       | 10%O 40%W 50%M | 0.88         |
| 30.00       | 85%O 5%W 10%M  | 0.42         |
|             |                |              |

### Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Mai Oil Operations

**30-15w-23s Pawnee, KS**

8411 Preston Rd Ste 800  
Dallas TX, 75225

**Benson #7**

Job Ticket: 65061

**DST#: 2**

ATTN: Jim Musgrove

Test Start: 2022.10.01 @ 17:35:00

### Tool Information

|                           |         |            |           |             |               |           |                        |             |
|---------------------------|---------|------------|-----------|-------------|---------------|-----------|------------------------|-------------|
| Drill Pipe:               | Length: | 3672.00 ft | Diameter: | 3.80 inches | Volume:       | 51.51 bbl | Tool Weight:           | 2100.00 lb  |
| Heavy Wt. Pipe:           | Length: | 0.00 ft    | Diameter: | 3.25 inches | Volume:       | 0.00 bbl  | Weight set on Packer:  | 25000.00 lb |
| Drill Collar:             | Length: | 0.00 ft    | Diameter: | 2.25 inches | Volume:       | 0.00 bbl  | Weight to Pull Loose:  | 48000.00 lb |
|                           |         |            |           |             | Total Volume: | 51.51 bbl | Tool Chased            | 0.00 ft     |
| Drill Pipe Above KB:      |         | 17.00 ft   |           |             |               |           | String Weight: Initial | 43000.00 lb |
| Depth to Top Packer:      |         | 3681.00 ft |           |             |               |           | Final                  | 45000.00 lb |
| Depth to Bottom Packer:   |         | ft         |           |             |               |           |                        |             |
| Interval between Packers: |         | 41.02 ft   |           |             |               |           |                        |             |
| Tool Length:              |         | 67.02 ft   |           |             |               |           |                        |             |
| Number of Packers:        |         | 2          | Diameter: | 6.75 inches |               |           |                        |             |
| Tool Comments:            |         |            |           |             |               |           |                        |             |

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|----------------|
|------------------|-------------|------------|----------|------------|----------------|

|                |       |      |         |         |                               |
|----------------|-------|------|---------|---------|-------------------------------|
| Shut In Tool   | 4.00  |      |         | 3659.00 |                               |
| Hydraulic tool | 4.00  |      |         | 3663.00 |                               |
| Sampler        | 4.00  |      |         | 3667.00 |                               |
| EM             | 5.00  |      |         | 3672.00 |                               |
| Safety Joint   | 2.00  |      |         | 3674.00 |                               |
| Packer         | 4.00  |      |         | 3678.00 | 26.00 Bottom Of Top Packer    |
| Packer         | 3.00  |      |         | 3681.00 |                               |
| Stubb          | 1.00  |      |         | 3682.00 |                               |
| Handling sub   | 5.00  |      |         | 3687.00 |                               |
| Recorder       | 0.01  | 6839 | Inside  | 3687.01 |                               |
| Recorder       | 0.01  | 8355 | Outside | 3687.02 |                               |
| perforations   | 32.00 |      |         | 3719.02 |                               |
| Bullnose       | 3.00  |      |         | 3722.02 | 41.02 Bottom Packers & Anchor |

**Total Tool Length: 67.02**



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Mai Oil Operations

**30-15w-23s Pawnee, KS**

8411 Preston Rd Ste 800  
Dallas TX, 75225

**Benson #7**

Job Ticket: 65061

**DST#: 2**

ATTN: Jim Musgrove

Test Start: 2022.10.01 @ 17:35:00

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 58.00 sec/qt

Water Loss: 8.77 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

### Recovery Information

Recovery Table

| Length<br>ft | Description    | Volume<br>bbl |
|--------------|----------------|---------------|
| 126.00       | 0%O 95%W 5%M   | 1.767         |
| 63.00        | 0%O 90%W 10%M  | 0.884         |
| 189.00       | 5%O 70%W 25%M  | 2.651         |
| 63.00        | 10%O 40%W 50%M | 0.884         |
| 30.00        | 85%O 5%W 10%M  | 0.421         |

Total Length: 471.00 ft

Total Volume: 6.607 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

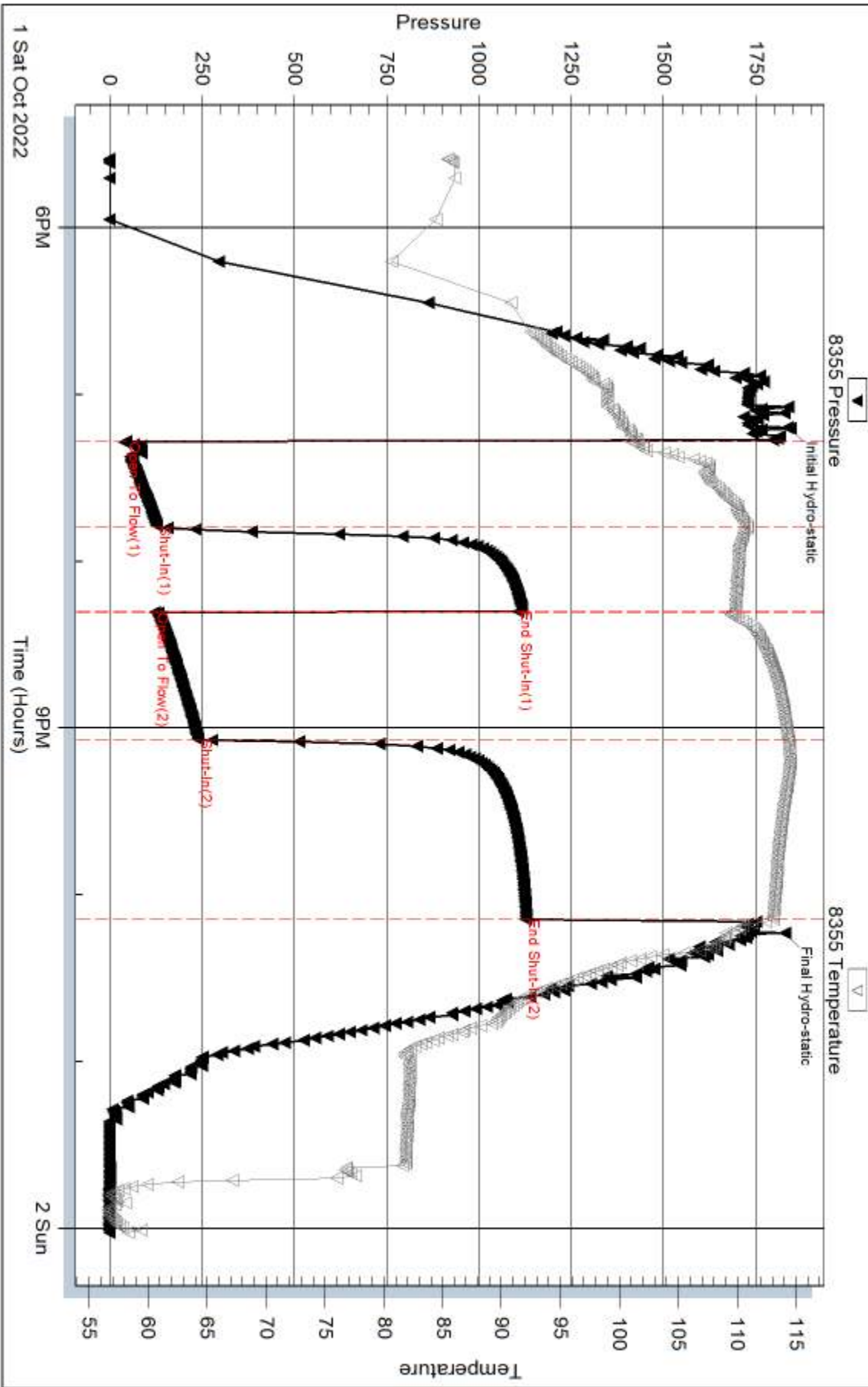
Serial #: 8355

Outside Mai Oil Operations

Benson #7

DST Test Number: 2

# Pressure vs. Time



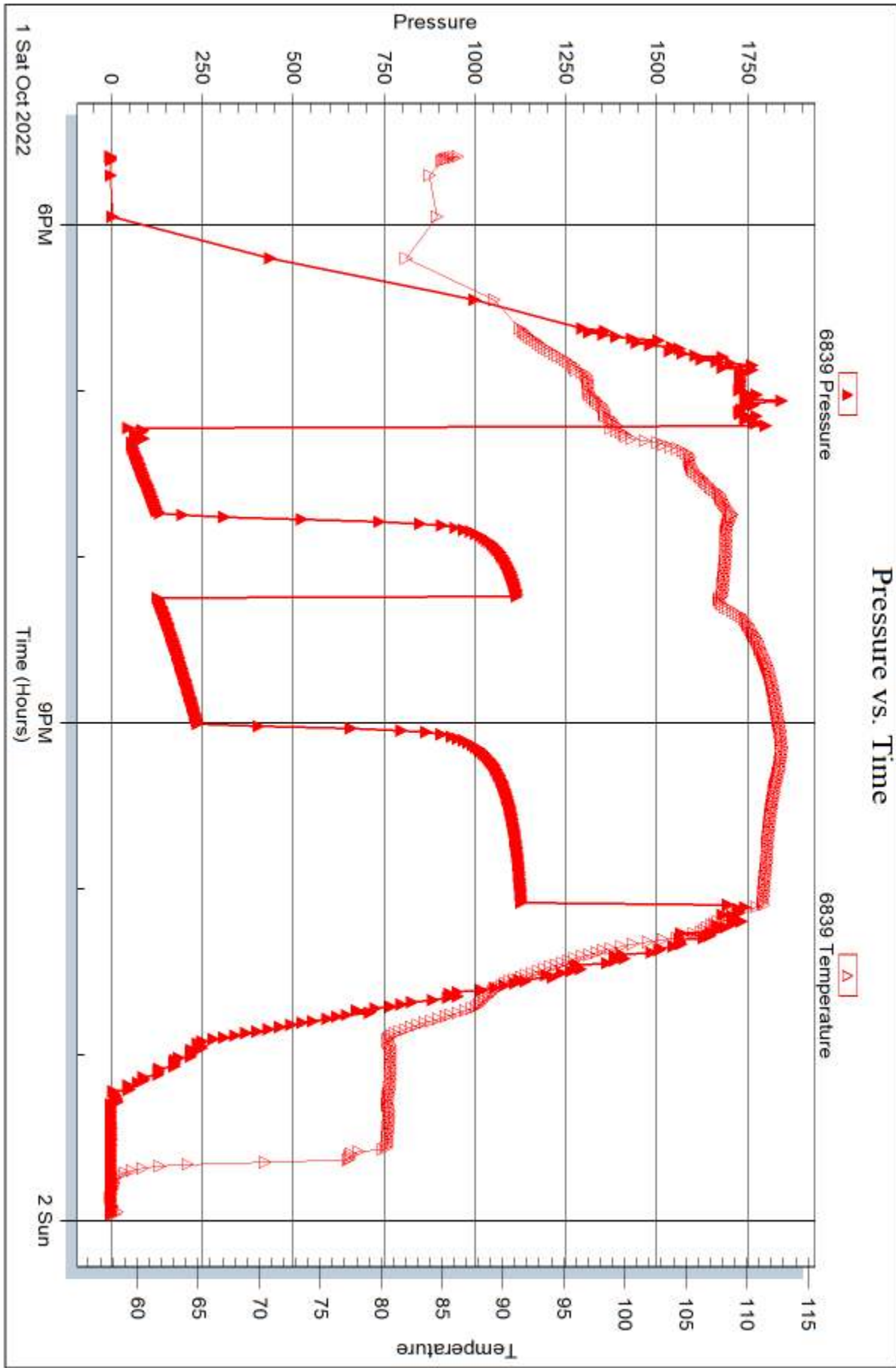
Serial #: 6839

Inside

Mai Oil Operations

Benson #7

DST Test Number: 2





## DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations**

8411 Preston Rd Ste 800  
Dallas TX, 75225

ATTN: Jim Musgrove

### **Benson #7**

#### **30-15w-23s Pawnee,KS**

Start Date: 2022.10.02 @ 08:03:00

End Date: 2022.10.02 @ 15:15:30

Job Ticket #: 65062                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.10.07 @ 11:59:36



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Mai Oil Operations

**30-15w-23s Pawnee, KS**

8411 Preston Rd Ste 800  
Dallas TX, 75225

**Benson #7**

Job Ticket: 65062

**DST#: 3**

ATTN: Jim Musgrove

Test Start: 2022.10.02 @ 08:03:00

### GENERAL INFORMATION:

Formation: **LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:52:15

Time Test Ended: 15:15:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Richard Samora

Unit No: 66

**Interval: 3744.00 ft (KB) To 3772.00 ft (KB) (TVD)**

Reference Elevations: 2048.00 ft (KB)

Total Depth: 3663.00 ft (KB) (TVD)

2038.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8355 Outside**

Press@RunDepth: 88.15 psig @ 3750.02 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.10.02

End Date:

2022.10.02

Last Calib.: 2022.10.02

Start Time: 08:03:05

End Time:

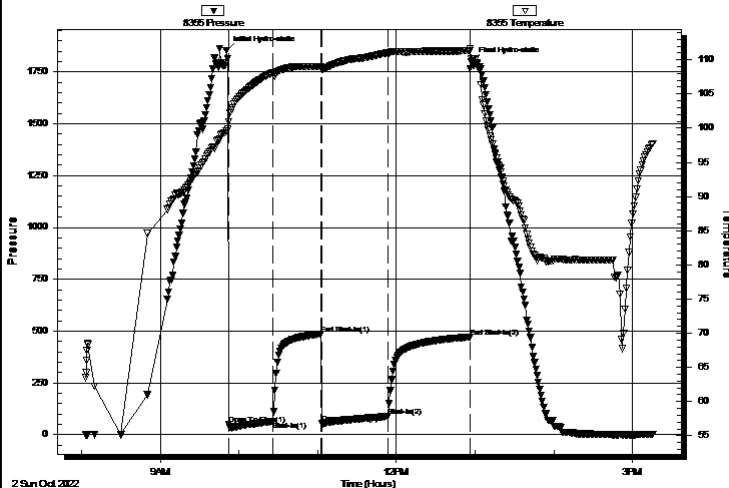
15:15:29

Time On Btm: 2022.10.02 @ 09:50:15

Time Off Btm: 2022.10.02 @ 12:57:15

**TEST COMMENT:** 30-IF: Strong Blow BOB almost immediately reached 122"  
30-ISI: Blow back built to 1.11  
45-Strong blow BOB & GTS immediately OC to 1/8"/MCFD 6.16,  
60-FSI: Blow back built to 2.35"

Pressure vs. Time



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1853.19         | 99.58        | Initial Hydro-static |
| 2           | 50.20           | 100.92       | Open To Flow (1)     |
| 36          | 66.04           | 108.14       | Shut-In(1)           |
| 73          | 486.03          | 108.99       | End Shut-In(1)       |
| 73          | 53.06           | 108.55       | Open To Flow (2)     |
| 123         | 88.15           | 111.03       | Shut-In(2)           |
| 186         | 471.25          | 111.32       | End Shut-In(2)       |
| 187         | 1800.57         | 110.22       | Final Hydro-static   |

Recovery

| Length (ft) | Description               | Volume (bbl) |
|-------------|---------------------------|--------------|
| 63.00       | WOSM-5%O 65%W 30%M        | 0.88         |
| 63.00       | GWOSM-35%G 5%O 35%W 25%M  | 0.88         |
| 94.00       | GOSMM- 10%G 5%O 30%W 55%M | 1.32         |
| 0.00        | GTS                       | 0.00         |
|             |                           |              |
|             |                           |              |

Gas Rates

|                | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|----------------|-----------------|------------------|
| First Gas Rate | 0.13           | 3.98            | 6.88             |
| Last Gas Rate  | 0.13           | 4.32            | 7.01             |
| Max. Gas Rate  | 0.13           | 4.32            | 7.01             |

\* Recovery from multiple tests



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Mai Oil Operations

8411 Preston Rd Ste 800  
Dallas TX, 75225

ATTN: Jim Musgrove

**30-15w-23s Pawnee, KS**

**Benson #7**

Job Ticket: 65062

**DST#: 3**

Test Start: 2022.10.02 @ 08:03:00

### GENERAL INFORMATION:

Formation: **LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:52:15

Time Test Ended: 15:15:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Richard Samora

Unit No: 66

**Interval: 3744.00 ft (KB) To 3772.00 ft (KB) (TVD)**

Total Depth: 3663.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2048.00 ft (KB)

2038.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 6839 Inside**

Press@RunDepth: psig @ 3750.01 ft (KB)

Start Date: 2022.10.02

End Date:

2022.10.02

Start Time: 08:03:05

End Time:

15:15:29

Capacity: 8000.00 psig

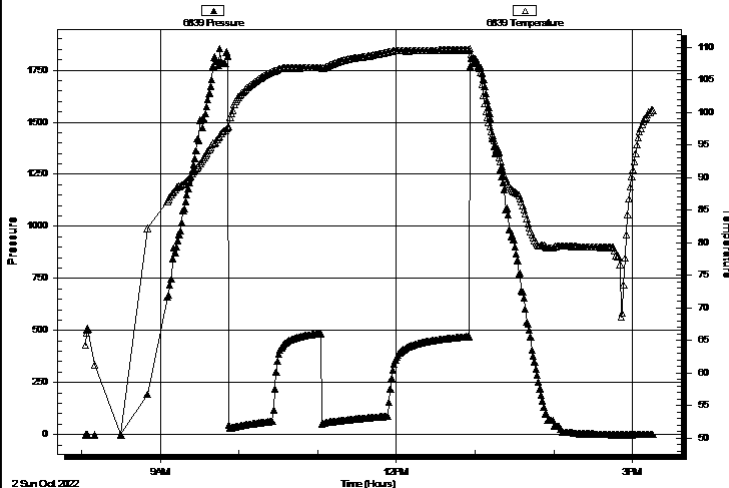
Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

**TEST COMMENT:** 30-IF: Strong Blow BOB almost immediately reached 122"  
30-ISI: Blow back built to 1.11  
45-Strong blow BOB & GTS immediately OC to 1/8"/MCFD 6.16,  
60-FSI: Blow back built to 2.35"

Pressure vs. Time



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|------------|
|-------------|-----------------|--------------|------------|

### Recovery

| Length (ft) | Description               | Volume (bbl) |
|-------------|---------------------------|--------------|
| 63.00       | WOSM-5%O 65%W 30%M        | 0.88         |
| 63.00       | GWOSM-35%G 5%O 35%W 25%M  | 0.88         |
| 94.00       | GOSMW- 10%G 5%O 30%W 55%M | 1.32         |
| 0.00        | GTS                       | 0.00         |
|             |                           |              |
|             |                           |              |

### Gas Rates

|                | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|----------------|-----------------|------------------|
| First Gas Rate | 0.13           | 3.98            | 6.88             |
| Last Gas Rate  | 0.13           | 4.32            | 7.01             |
| Max. Gas Rate  | 0.13           | 4.32            | 7.01             |

\* Recovery from multiple tests



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Mai Oil Operations

**30-15w-23s Pawnee, KS**

8411 Preston Rd Ste 800  
Dallas TX, 75225

**Benson #7**

Job Ticket: 65062

**DST#: 3**

ATTN: Jim Musgrove

Test Start: 2022.10.02 @ 08:03:00

### Tool Information

|                           |         |            |           |             |               |           |                        |             |
|---------------------------|---------|------------|-----------|-------------|---------------|-----------|------------------------|-------------|
| Drill Pipe:               | Length: | 3735.00 ft | Diameter: | 3.80 inches | Volume:       | 52.39 bbl | Tool Weight:           | 2100.00 lb  |
| Heavy Wt. Pipe:           | Length: | 0.00 ft    | Diameter: | 3.25 inches | Volume:       | 0.00 bbl  | Weight set on Packer:  | 25000.00 lb |
| Drill Collar:             | Length: | 0.00 ft    | Diameter: | 2.25 inches | Volume:       | 0.00 bbl  | Weight to Pull Loose:  | 48000.00 lb |
|                           |         |            |           |             | Total Volume: | 52.39 bbl | Tool Chased            | 0.00 ft     |
| Drill Pipe Above KB:      |         | 17.00 ft   |           |             |               |           | String Weight: Initial | 44000.00 lb |
| Depth to Top Packer:      |         | 3744.00 ft |           |             |               |           | Final                  | 44000.00 lb |
| Depth to Bottom Packer:   |         | ft         |           |             |               |           |                        |             |
| Interval between Packers: |         | 28.02 ft   |           |             |               |           |                        |             |
| Tool Length:              |         | 54.02 ft   |           |             |               |           |                        |             |
| Number of Packers:        |         | 2          | Diameter: | 6.75 inches |               |           |                        |             |
| Tool Comments:            |         |            |           |             |               |           |                        |             |

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|----------------|
|------------------|-------------|------------|----------|------------|----------------|

|                |       |      |         |         |                               |
|----------------|-------|------|---------|---------|-------------------------------|
| Shut In Tool   | 4.00  |      |         | 3722.00 |                               |
| Hydraulic tool | 4.00  |      |         | 3726.00 |                               |
| Sampler        | 4.00  |      |         | 3730.00 |                               |
| EM             | 5.00  |      |         | 3735.00 |                               |
| Safety Joint   | 2.00  |      |         | 3737.00 |                               |
| Packer         | 4.00  |      |         | 3741.00 | 26.00 Bottom Of Top Packer    |
| Packer         | 3.00  |      |         | 3744.00 |                               |
| Stubb          | 1.00  |      |         | 3745.00 |                               |
| Handy sub      | 5.00  |      |         | 3750.00 |                               |
| Recorder       | 0.01  | 6839 | Inside  | 3750.01 |                               |
| Recorder       | 0.01  | 8355 | Outside | 3750.02 |                               |
| Perforations   | 19.00 |      |         | 3769.02 |                               |
| Bullnose       | 3.00  |      |         | 3772.02 | 28.02 Bottom Packers & Anchor |

**Total Tool Length: 54.02**



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Mai Oil Operations

**30-15w-23s Pawnee, KS**

8411 Preston Rd Ste 800  
Dallas TX, 75225

**Benson #7**

Job Ticket: 65062

**DST#: 3**

ATTN: Jim Musgrove

Test Start: 2022.10.02 @ 08:03:00

### Mud and Cushion Information

Mud Type: Polymer  
Mud Weight: 9.00 lb/gal  
Viscosity: 58.00 sec/qt  
Water Loss: 8.87 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 4000.00 ppm  
Filter Cake: 0.20 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<br>ft | Description               | Volume<br>bbl |
|--------------|---------------------------|---------------|
| 63.00        | WOSM-5%O 65%W 30%M        | 0.884         |
| 63.00        | GWOSM-35%G 5%O 35%W 25%M  | 0.884         |
| 94.00        | GOSMW- 10%G 5%O 30%W 55%M | 1.319         |
| 0.00         | GTS                       | 0.000         |

Total Length: 220.00 ft      Total Volume: 3.087 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 3515 GIP



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### GAS RATES

Mai Oil Operations

**30-15w-23s Pawnee, KS**

8411 Preston Rd Ste 800  
Dallas TX, 75225

**Benson #7**

Job Ticket: 65062

**DST#: 3**

ATTN: Jim Musgrove

Test Start: 2022.10.02 @ 08:03:00

### Gas Rates Information

Temperature: 59 (deg F)  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

| Flow Period | Elapsed Time | Choke<br>(inches) | Pressure<br>(psig) | Gas Rate<br>(Mcf/d) |
|-------------|--------------|-------------------|--------------------|---------------------|
| 2           | 5            | 0.13              | 3.98               | 6.88                |
| 2           | 10           | 0.13              | 4.19               | 6.96                |
| 2           | 15           | 0.13              | 4.27               | 6.99                |
| 2           | 20           | 0.13              | 4.32               | 7.01                |
| 2           | 25           | 0.13              | 4.32               | 7.01                |
| 2           | 30           | 0.13              | 4.30               | 7.00                |
| 2           | 35           | 0.13              | 4.28               | 6.99                |
| 2           | 40           | 0.13              | 4.25               | 6.98                |
| 2           | 45           | 0.13              | 4.32               | 7.01                |

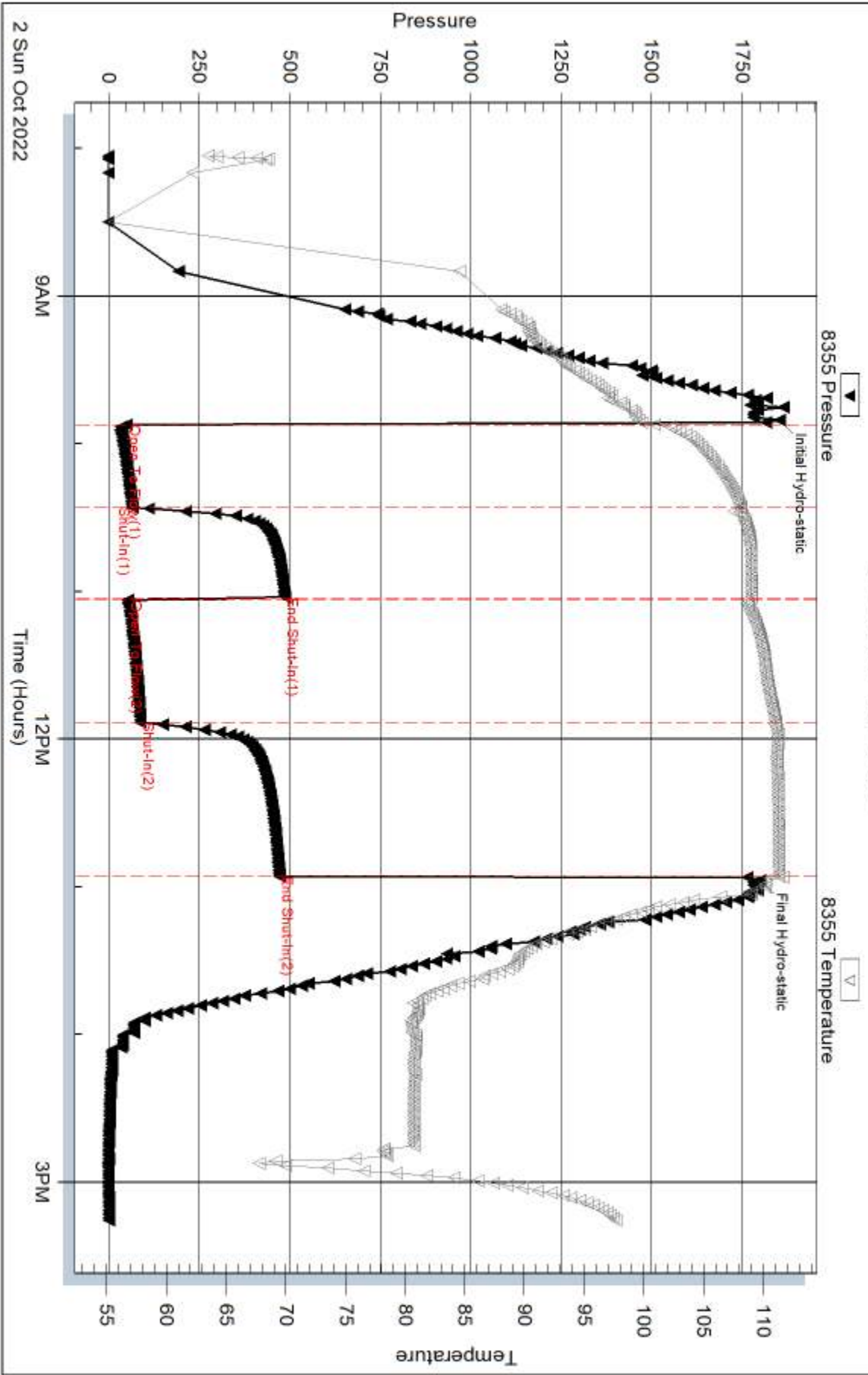
Serial #: 8355

Outside Mai Oil Operations

Benson #7

DST Test Number: 3

# Pressure vs. Time



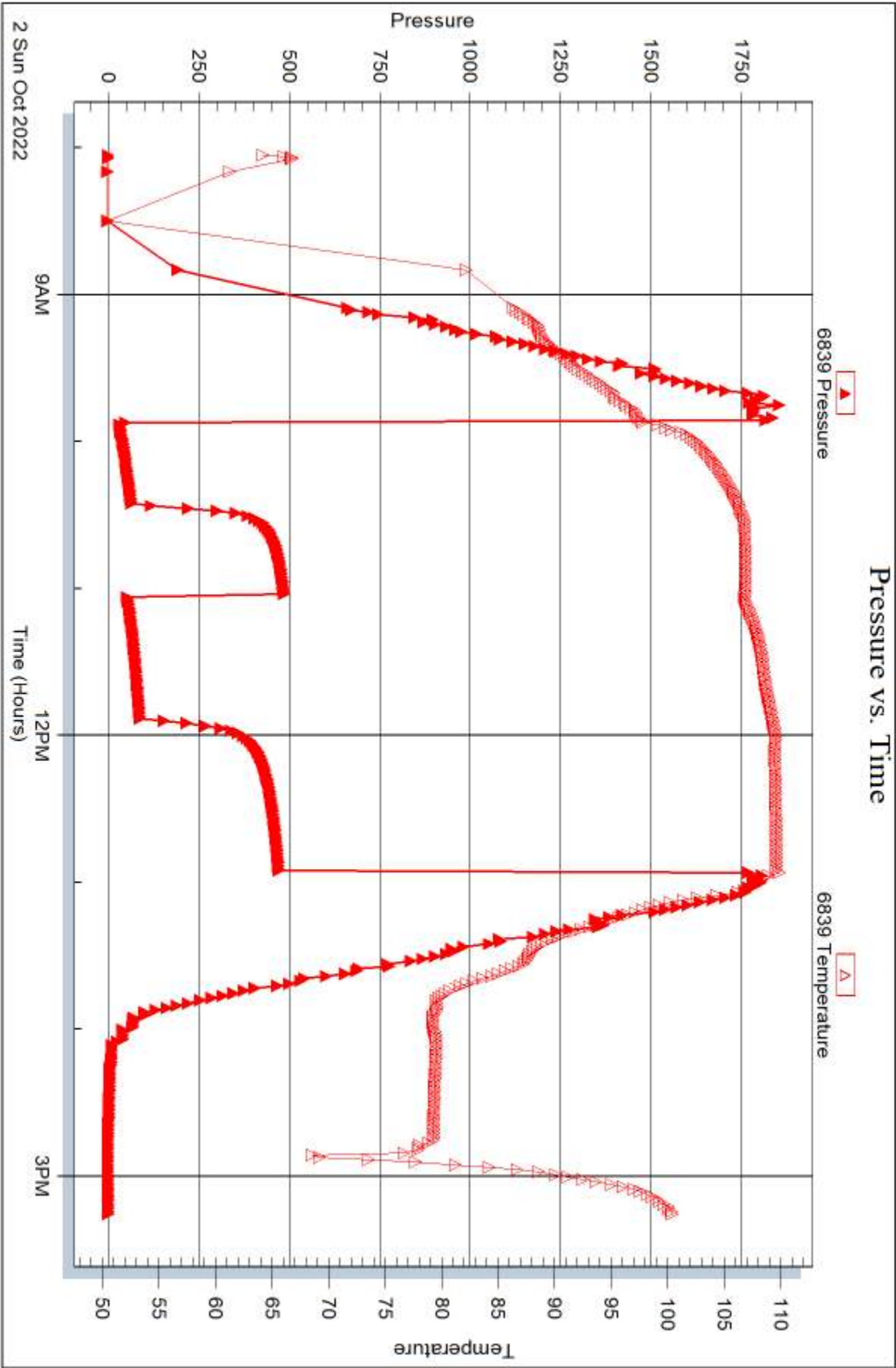
Serial #: 6839

Inside

Mai Oil Operations

Benson #7

DST Test Number: 3





## DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations**

8411 Preston Rd Ste 800  
Dallas TX, 75225

ATTN: Jim Musgrove

### **Benson #7**

#### **30-15w-23s Pawnee,KS**

Start Date: 2022.10.03 @ 03:54:00

End Date: 2022.10.03 @ 10:47:30

Job Ticket #: 65063                      DST #: 4

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

Printed: 2022.10.07 @ 11:55:57



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Mai Oil Operations

8411 Preston Rd Ste 800  
Dallas TX, 75225

ATTN: Jim Musgrove

**30-15w-23s Pawnee, KS**

**Benson #7**

Job Ticket: 65063

**DST#: 4**

Test Start: 2022.10.03 @ 03:54:00

### GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:12:30

Time Test Ended: 10:47:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Richard Samora

Unit No: 66

**Interval: 3770.00 ft (KB) To 3852.00 ft (KB) (TVD)**

Total Depth: 3663.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2048.00 ft (KB)

2038.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 8355 Outside**

Press@RunDepth: 209.36 psig @ 3859.02 ft (KB)

Start Date: 2022.10.03

End Date:

2022.10.03

Start Time: 03:54:05

End Time:

10:47:29

Capacity: 8000.00 psig

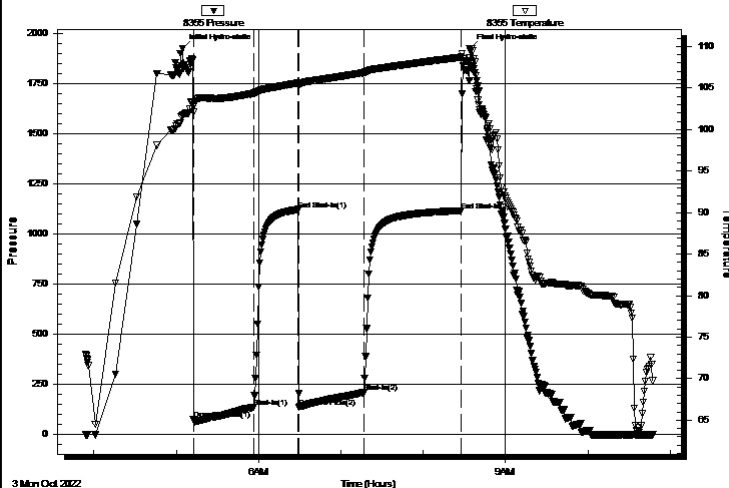
Last Calib.: 2022.10.03

Time On Btm: 2022.10.03 @ 05:04:45

Time Off Btm: 2022.10.03 @ 08:34:00

**TEST COMMENT:** 30-IF: Strong blow ,BOB almost immediate, blow built to 140"  
30-ISI: Blow back built to 2.79"  
45-FF: Strong blow BOB in two and half minutes, blow built to 187"  
60-FSI: blow back built to

Pressure vs. Time



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1924.56         | 101.77       | Initial Hydro-static |
| 8           | 75.43           | 102.10       | Open To Flow (1)     |
| 52          | 135.78          | 104.34       | Shut-In(1)           |
| 85          | 1122.62         | 105.62       | End Shut-In(1)       |
| 85          | 137.94          | 105.40       | Open To Flow (2)     |
| 132         | 209.36          | 106.83       | Shut-In(2)           |
| 203         | 1116.88         | 108.72       | End Shut-In(2)       |
| 210         | 1925.89         | 108.65       | Final Hydro-static   |

Recovery

| Length (ft) | Description                 | Volume (bbl) |
|-------------|-----------------------------|--------------|
| 63.00       | MWCO 70%O 20%W 10%M         | 0.88         |
| 63.00       | V GWMCO 30%G 50%O 10%W 10%M | 0.88         |
| 126.00      | V GWMCO 70%G 15%O 5%W 10%M  | 1.77         |
| 63.00       | GOCM 5%G 45%O 50%M          | 0.88         |
| 17.00       | OCM 30%O 70%M               | 0.24         |

Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Mai Oil Operations

**30-15w-23s Pawnee, KS**

8411 Preston Rd Ste 800  
Dallas TX, 75225

**Benson #7**

Job Ticket: 65063

**DST#: 4**

ATTN: Jim Musgrove

Test Start: 2022.10.03 @ 03:54:00

### GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:12:30

Time Test Ended: 10:47:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Richard Samora

Unit No: 66

**Interval: 3770.00 ft (KB) To 3852.00 ft (KB) (TVD)**

Total Depth: 3663.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2048.00 ft (KB)

2038.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 6839 Inside**

Press@RunDepth: psig @ 3859.01 ft (KB)

Start Date: 2022.10.03

End Date:

2022.10.03

Start Time: 03:54:05

End Time:

10:47:29

Capacity: 8000.00 psig

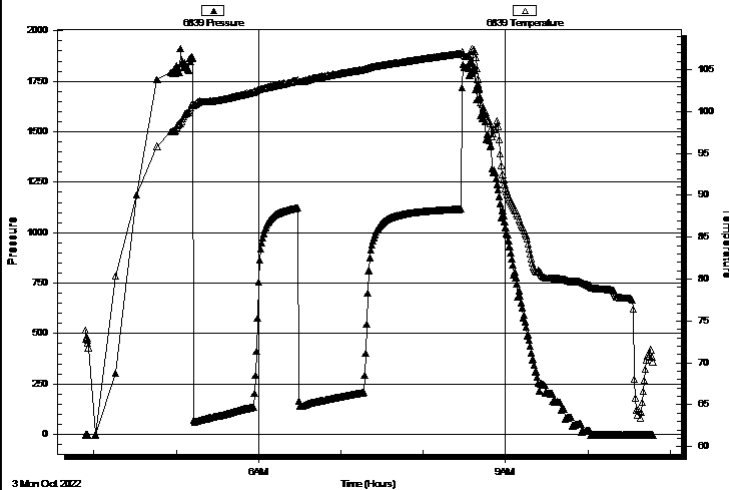
Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

**TEST COMMENT:** 30-IF: Strong blow ,BOB almost immediate, blow built to 140"  
30-ISI: Blow back built to 2.79"  
45-FF: Strong blow BOB in two and half minutes, blow built to 187"  
60-FSI: blow back built to

Pressure vs. Time



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|------------|
|-------------|-----------------|--------------|------------|

### Recovery

| Length (ft) | Description                 | Volume (bbl) |
|-------------|-----------------------------|--------------|
| 63.00       | MWCO 70%O 20%W 10%M         | 0.88         |
| 63.00       | V GWMCO 30%G 50%O 10%W 10%M | 0.88         |
| 126.00      | V GWMCO 70%G 15%O 5%W 10%M  | 1.77         |
| 63.00       | GOCM 5%G 45%O 50%M          | 0.88         |
| 17.00       | OCM 30%O 70%M               | 0.24         |

### Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### TOOL DIAGRAM

Mai Oil Operations

**30-15w-23s Pawnee, KS**

8411 Preston Rd Ste 800  
Dallas TX, 75225

**Benson #7**

Job Ticket: 65063

**DST#: 4**

ATTN: Jim Musgrove

Test Start: 2022.10.03 @ 03:54:00

### Tool Information

|                           |            |            |           |             |               |           |                       |             |
|---------------------------|------------|------------|-----------|-------------|---------------|-----------|-----------------------|-------------|
| Drill Pipe:               | Length:    | 3781.00 ft | Diameter: | 3.80 inches | Volume:       | 53.04 bbl | Tool Weight:          | 2100.00 lb  |
| Heavy Wt. Pipe:           | Length:    | 0.00 ft    | Diameter: | 3.25 inches | Volume:       | 0.00 bbl  | Weight set on Packer: | 25000.00 lb |
| Drill Collar:             | Length:    | 0.00 ft    | Diameter: | 2.25 inches | Volume:       | 0.00 bbl  | Weight to Pull Loose: | 50000.00 lb |
|                           |            |            |           |             | Total Volume: | 53.04 bbl | Tool Chased           | 0.00 ft     |
| Drill Pipe Above KB:      | 27.00 ft   |            |           |             |               |           |                       |             |
| Depth to Top Packer:      | 3780.00 ft |            |           |             |               |           |                       |             |
| Depth to Bottom Packer:   | ft         |            |           |             |               |           |                       |             |
| Interval between Packers: | 82.02 ft   |            |           |             |               |           |                       |             |
| Tool Length:              | 108.02 ft  |            |           |             |               |           |                       |             |
| Number of Packers:        | 2          |            | Diameter: | 6.75 inches |               |           |                       |             |
| Tool Comments:            |            |            |           |             |               |           |                       |             |

### Tool Description

| Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|-------------|------------|----------|------------|----------------|
|-------------|------------|----------|------------|----------------|

|                           |               |      |         |                               |
|---------------------------|---------------|------|---------|-------------------------------|
| Shut In Tool              | 4.00          |      | 3758.00 |                               |
| Hydraulic tool            | 4.00          |      | 3762.00 |                               |
| Sampler                   | 4.00          |      | 3766.00 |                               |
| EM                        | 5.00          |      | 3771.00 |                               |
| Safety Joint              | 2.00          |      | 3773.00 |                               |
| Packer                    | 4.00          |      | 3777.00 | 26.00 Bottom Of Top Packer    |
| Packer                    | 3.00          |      | 3780.00 |                               |
| Stubb                     | 1.00          |      | 3781.00 |                               |
| Perforations              | 3.00          |      | 3784.00 |                               |
| Change Over Sub           | 1.00          |      | 3785.00 |                               |
| Drill Pipe                | 63.00         |      | 3848.00 |                               |
| Change Over Sub           | 1.00          |      | 3849.00 |                               |
| Recorder Carrier          | 5.00          |      | 3854.00 |                               |
| Perforations              | 5.00          |      | 3859.00 |                               |
| Recorder                  | 0.01          | 6839 | Inside  | 3859.01                       |
| Recorder                  | 0.01          | 8355 | Outside | 3859.02                       |
| Bullnose                  | 3.00          |      | 3862.02 | 82.02 Bottom Packers & Anchor |
| <b>Total Tool Length:</b> | <b>108.02</b> |      |         |                               |



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Mai Oil Operations

**30-15w-23s Pawnee, KS**

8411 Preston Rd Ste 800  
Dallas TX, 75225

**Benson #7**

Job Ticket: 65063

**DST#: 4**

ATTN: Jim Musgrove

Test Start: 2022.10.03 @ 03:54:00

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 9.17 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

### Recovery Information

Recovery Table

| Length<br>ft | Description                | Volume<br>bbl |
|--------------|----------------------------|---------------|
| 63.00        | MWCO 70%O 20%W 10%M        | 0.884         |
| 63.00        | VGWMCO 30%G 50%O 10%W 10%M | 0.884         |
| 126.00       | VGWMCO 70%G 15%O 5%W 10%M  | 1.767         |
| 63.00        | GOCM 5%G 45%O 50%M         | 0.884         |
| 17.00        | OCM 30%O 70%M              | 0.238         |

Total Length: 332.00 ft

Total Volume: 4.657 bbl

Num Fluid Samples: 6

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 3381' GIP

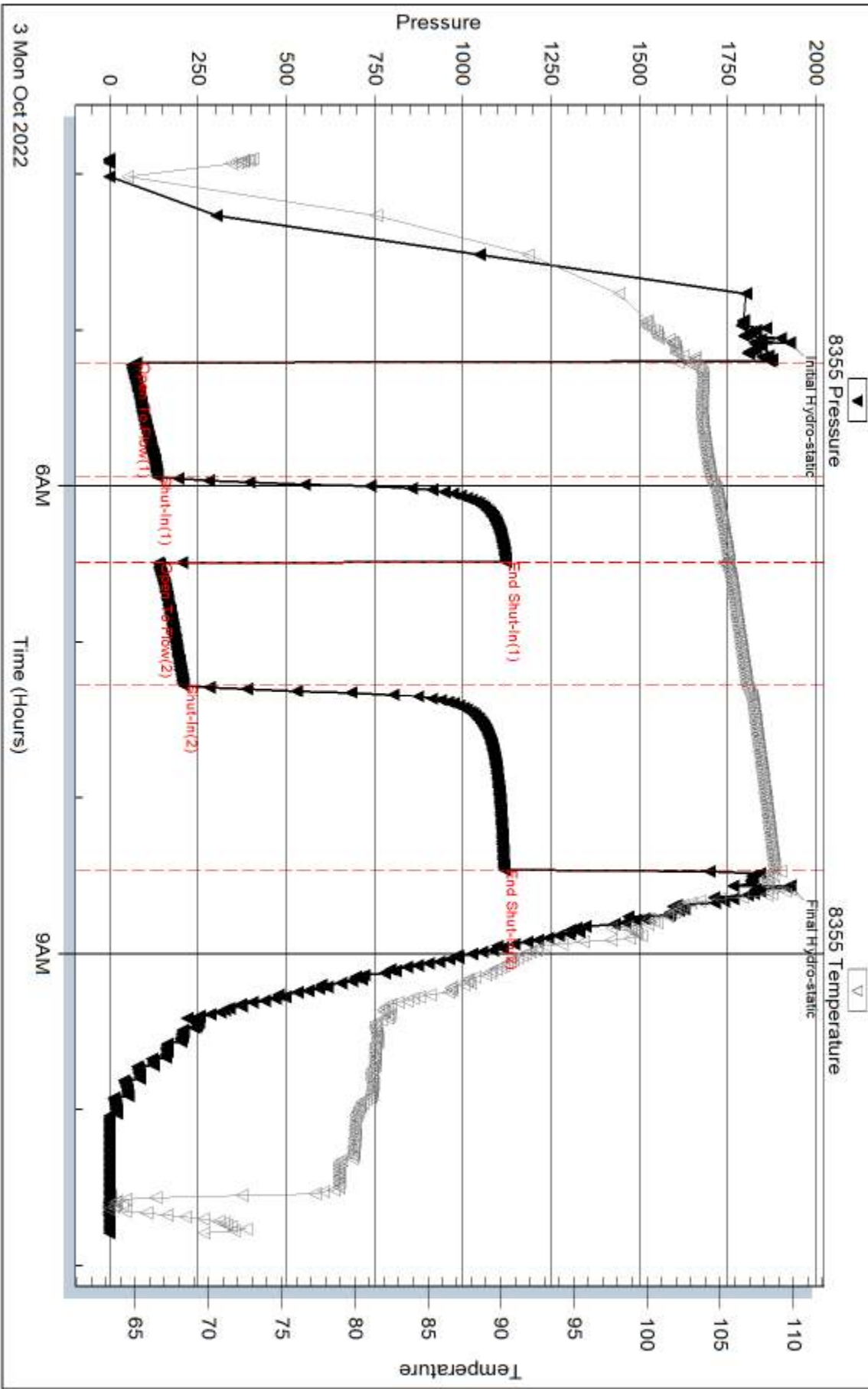
Serial #: 8355

Outside Mai Oil Operations

Benson #7

DST Test Number: 4

# Pressure vs. Time



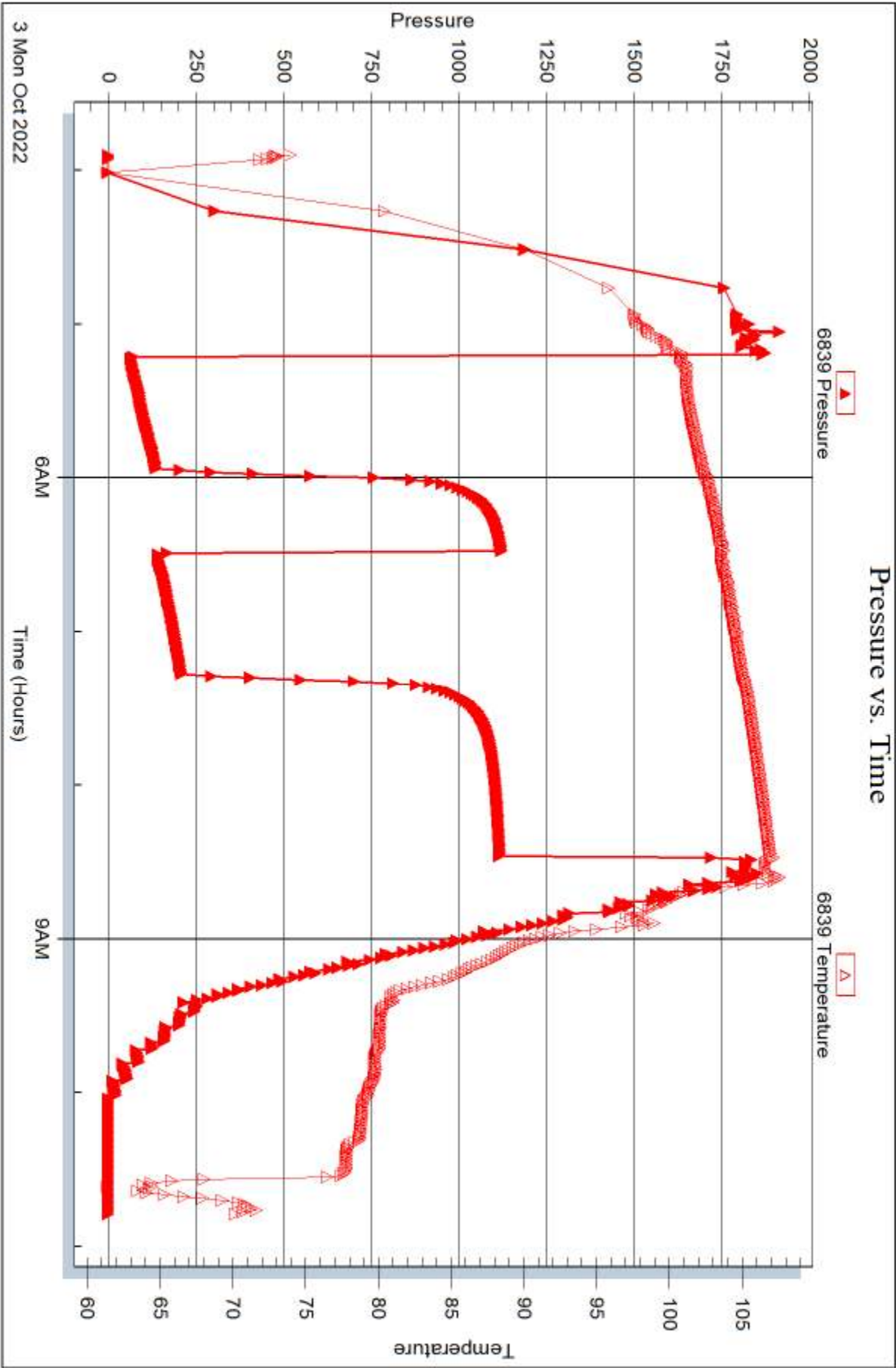
Serial #: 6839

Inside

Mai Oil Operations

Benson #7

DST Test Number: 4





## DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations**

8411 Preston Rd Ste 800  
Dallas TX, 75225

ATTN: Jim Musgrove

### **Benson #7**

#### **30-15w-23s Pawnee,KS**

Start Date: 2022.10.04 @ 07:16:00

End Date: 2022.10.04 @ 15:51:30

Job Ticket #: 65064                      DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.10.07 @ 11:54:46



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Mai Oil Operations

8411 Preston Rd Ste 800  
Dallas TX, 75225

ATTN: Jim Musgrove

**30-15w-23s Pawnee, KS**

**Benson #7**

Job Ticket: 65064

**DST#: 5**

Test Start: 2022.10.04 @ 07:16:00

### GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:01:15

Time Test Ended: 15:51:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Richard Samora

Unit No: 66

**Interval: 4011.00 ft (KB) To 4070.00 ft (KB) (TVD)**

Total Depth: 3663.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2048.00 ft (KB)

2038.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 8355 Outside**

Press@RunDepth: 1084.27 psig @ 4059.52 ft (KB)

Start Date: 2022.10.04

End Date:

2022.10.04

Start Time: 07:16:05

End Time:

15:51:30

Capacity: 8000.00 psig

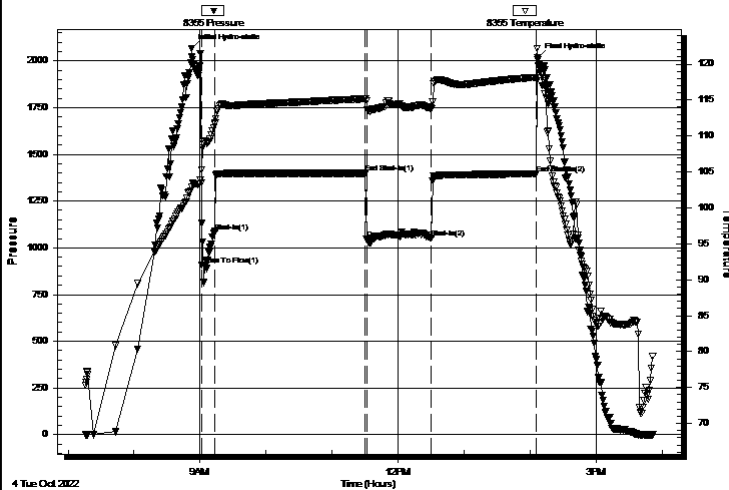
Last Calib.: 2022.10.04

Time On Btm: 2022.10.04 @ 08:52:30

Time Off Btm: 2022.10.04 @ 14:07:00

**TEST COMMENT:** 15-IF: BOB immediate gas to surface in 30seconds  
IS:lw ait for proper rigging  
FF:BOB Immediate, OC 1" 191psi and 5293 MCFD  
FS:Blow back built to 12" in 75 minutes

Pressure vs. Time



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2066.40         | 102.91       | Initial Hydro-static |
| 9           | 909.03          | 105.28       | Open To Flow (1)     |
| 22          | 1084.27         | 111.84       | Shut-In(1)           |
| 158         | 1399.12         | 115.17       | End Shut-In(1)       |
| 159         | 1047.54         | 114.89       | Open To Flow (2)     |
| 218         | 1051.27         | 113.82       | Shut-In(2)           |
| 313         | 1394.89         | 118.16       | End Shut-In(2)       |
| 315         | 2018.75         | 120.63       | Final Hydro-static   |

Recovery

| Length (ft) | Description       | Volume (bbl) |
|-------------|-------------------|--------------|
| 15.00       | 0WW 20%O 75%W 5%M | 0.21         |
| 0.00        | GTS               | 0.00         |
|             |                   |              |
|             |                   |              |
|             |                   |              |
|             |                   |              |

Gas Rates

|                | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|----------------|-----------------|------------------|
| First Gas Rate | 1.00           | 167.48          | 5228.83          |
| Last Gas Rate  | 1.00           | 190.82          | 5899.83          |
| Max. Gas Rate  | 1.00           | 191.94          | 5932.03          |

\* Recovery from multiple tests



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Mai Oil Operations

**30-15w-23s Pawnee, KS**

8411 Preston Rd Ste 800  
Dallas TX, 75225

**Benson #7**

Job Ticket: 65064

**DST#: 5**

ATTN: Jim Musgrove

Test Start: 2022.10.04 @ 07:16:00

### GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:01:15

Time Test Ended: 15:51:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Richard Samora

Unit No: 66

**Interval: 4011.00 ft (KB) To 4070.00 ft (KB) (TVD)**

Total Depth: 3663.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2048.00 ft (KB)

2038.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 6839 Inside**

Press@RunDepth: psig @ 4059.51 ft (KB)

Start Date: 2022.10.04

End Date:

2022.10.04

Start Time: 07:16:05

End Time:

15:51:15

Capacity: 8000.00 psig

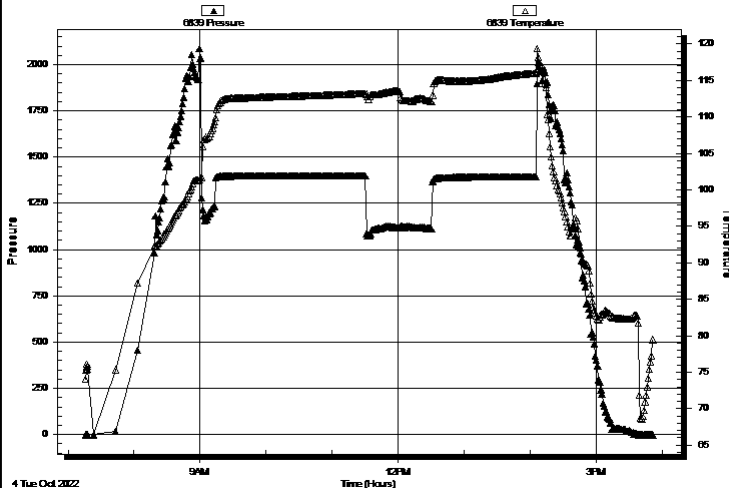
Last Calib.: 2022.10.07

Time On Btm:

Time Off Btm:

**TEST COMMENT:** 15-IF: BOB immediate gas to surface in 30seconds  
IS: wait for proper rigging  
FF: BOB Immediate, OC 1" 191psi and 5293 MCFD  
FS: Blow back built to 12" in 75 minutes

Pressure vs. Time



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|------------|
|-------------|-----------------|--------------|------------|

### Recovery

| Length (ft) | Description       | Volume (bbl) |
|-------------|-------------------|--------------|
| 15.00       | 0WW 20%O 75%W 5%M | 0.21         |
| 0.00        | GTS               | 0.00         |
|             |                   |              |
|             |                   |              |
|             |                   |              |
|             |                   |              |

### Gas Rates

|                | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|----------------|-----------------|------------------|
| First Gas Rate | 1.00           | 167.48          | 5228.83          |
| Last Gas Rate  | 1.00           | 190.82          | 5899.83          |
| Max. Gas Rate  | 1.00           | 191.94          | 5932.03          |

\* Recovery from multiple tests



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### TOOL DIAGRAM

Mai Oil Operations

**30-15w-23s Pawnee, KS**

8411 Preston Rd Ste 800  
Dallas TX, 75225

**Benson #7**

Job Ticket: 65064

**DST#: 5**

ATTN: Jim Musgrove

Test Start: 2022.10.04 @ 07:16:00

### Tool Information

|                           |         |            |           |             |               |           |                        |             |
|---------------------------|---------|------------|-----------|-------------|---------------|-----------|------------------------|-------------|
| Drill Pipe:               | Length: | 3991.00 ft | Diameter: | 3.80 inches | Volume:       | 55.98 bbl | Tool Weight:           | 2100.00 lb  |
| Heavy Wt. Pipe:           | Length: | 0.00 ft    | Diameter: | 3.25 inches | Volume:       | 0.00 bbl  | Weight set on Packer:  | 25000.00 lb |
| Drill Collar:             | Length: | 0.00 ft    | Diameter: | 2.25 inches | Volume:       | 0.00 bbl  | Weight to Pull Loose:  | lb          |
|                           |         |            |           |             | Total Volume: | 55.98 bbl | Tool Chased            | 0.00 ft     |
| Drill Pipe Above KB:      |         | 6.00 ft    |           |             |               |           | String Weight: Initial | 45000.00 lb |
| Depth to Top Packer:      |         | 4011.00 ft |           |             |               |           | Final                  | lb          |
| Depth to Bottom Packer:   |         | ft         |           |             |               |           |                        |             |
| Interval between Packers: |         | 59.52 ft   |           |             |               |           |                        |             |
| Tool Length:              |         | 85.52 ft   |           |             |               |           |                        |             |
| Number of Packers:        |         | 2          | Diameter: | 6.75 inches |               |           |                        |             |
| Tool Comments:            |         |            |           |             |               |           |                        |             |

### Tool Description

| Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|-------------|------------|----------|------------|----------------|
|-------------|------------|----------|------------|----------------|

|                           |              |      |         |                               |
|---------------------------|--------------|------|---------|-------------------------------|
| Shut In Tool              | 4.00         |      | 3989.00 |                               |
| Hydraulic tool            | 4.00         |      | 3993.00 |                               |
| Sampler                   | 4.00         |      | 3997.00 |                               |
| EM                        | 5.00         |      | 4002.00 |                               |
| Safety Joint              | 2.00         |      | 4004.00 |                               |
| Packer                    | 4.00         |      | 4008.00 | 26.00 Bottom Of Top Packer    |
| Packer                    | 3.00         |      | 4011.00 |                               |
| Stubb                     | 1.00         |      | 4012.00 |                               |
| Perforations              | 9.00         |      | 4021.00 |                               |
| Change Over Sub           | 1.00         |      | 4022.00 |                               |
| Drill Pipe                | 31.50        |      | 4053.50 |                               |
| Change Over Sub           | 1.00         |      | 4054.50 |                               |
| Recorder Carrier          | 5.00         |      | 4059.50 |                               |
| Recorder                  | 0.01         | 6839 | Inside  | 4059.51                       |
| Recorder                  | 0.01         | 8355 | Outside | 4059.52                       |
| Perforations              | 8.00         |      | 4067.52 |                               |
| Bullnose                  | 3.00         |      | 4070.52 | 59.52 Bottom Packers & Anchor |
| <b>Total Tool Length:</b> | <b>85.52</b> |      |         |                               |



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Mai Oil Operations

**30-15w-23s Pawnee, KS**

8411 Preston Rd Ste 800  
Dallas TX, 75225

**Benson #7**

Job Ticket: 65064

**DST#: 5**

ATTN: Jim Musgrove

Test Start: 2022.10.04 @ 07:16:00

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 57.00 sec/qt

Water Loss: 9.97 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 7000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

### Recovery Information

Recovery Table

| Length<br>ft | Description        | Volume<br>bbl |
|--------------|--------------------|---------------|
| 15.00        | OWM/ 20%O 75%W 5%M | 0.210         |
| 0.00         | GTS                | 0.000         |

Total Length: 15.00 ft

Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 3981 GIP



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

Mai Oil Operations

**30-15w-23s Pawnee, KS**

8411 Preston Rd Ste 800  
Dallas TX, 75225

**Benson #7**

Job Ticket: 65064

**DST#: 5**

ATTN: Jim Musgrove

Test Start: 2022.10.04 @ 07:16:00

### Gas Rates Information

Temperature: 59 (deg F)  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

| Flow Period | Elapsed Time | Choke<br>(inches) | Pressure<br>(psig) | Gas Rate<br>(Mcf/d) |
|-------------|--------------|-------------------|--------------------|---------------------|
| 2           | 5            | 1.00              | 167.48             | 5228.83             |
| 2           | 10           | 1.00              | 187.17             | 5794.90             |
| 2           | 15           | 1.00              | 184.23             | 5710.38             |
| 2           | 20           | 1.00              | 184.50             | 5718.14             |
| 2           | 25           | 1.00              | 191.94             | 5932.03             |
| 2           | 30           | 1.00              | 191.78             | 5927.43             |
| 2           | 35           | 1.00              | 189.58             | 5864.18             |
| 2           | 40           | 1.00              | 189.90             | 5873.38             |
| 2           | 45           | 1.00              | 189.77             | 5869.65             |
| 2           | 50           | 1.00              | 189.50             | 5861.88             |
| 2           | 55           | 1.00              | 189.72             | 5868.21             |
| 2           | 60           | 1.00              | 190.82             | 5899.83             |

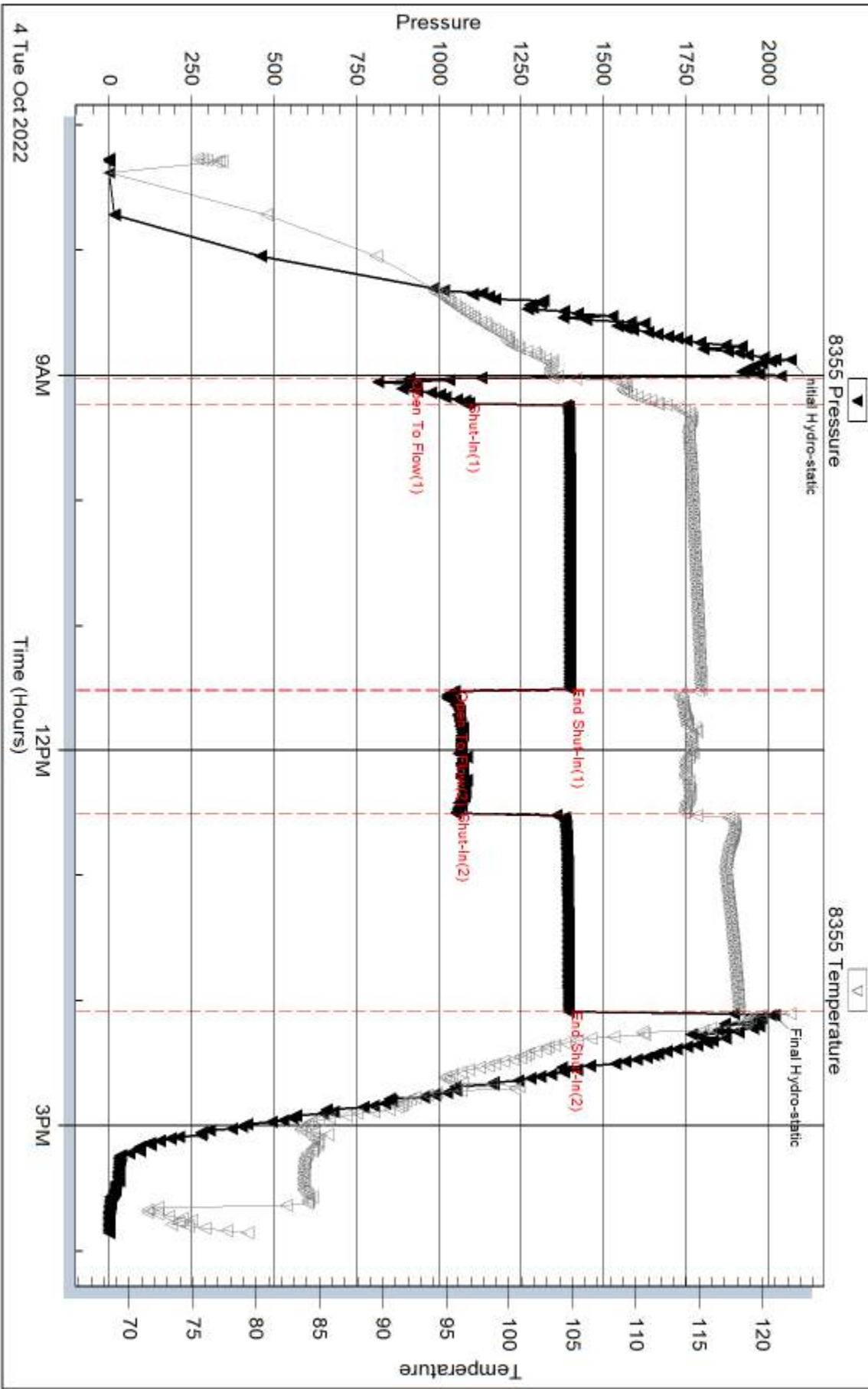
Serial #: 8355

Outside Mai Oil Operations

Benson #7

DST Test Number: 5

# Pressure vs. Time



Serial #: 6839

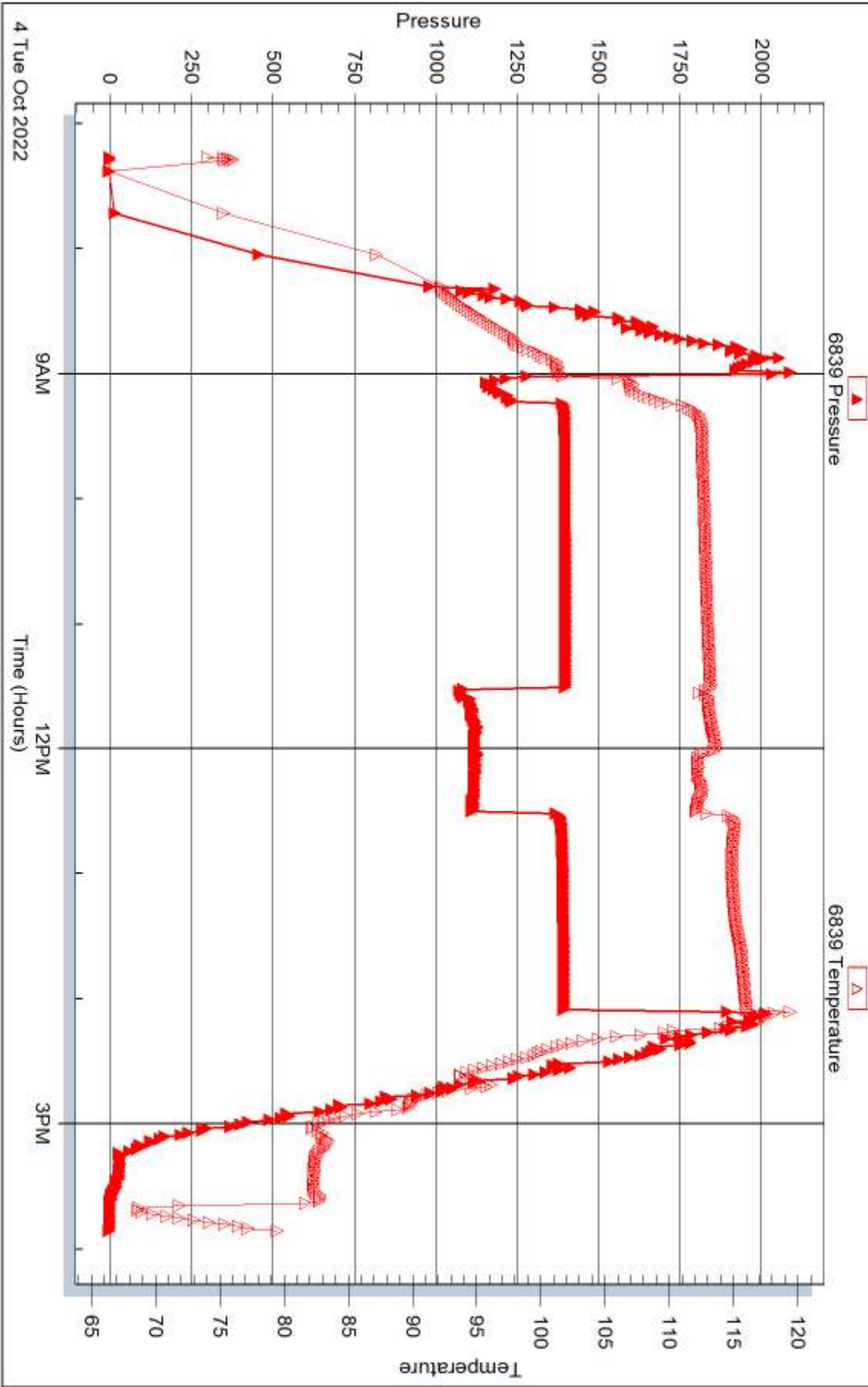
Inside

Mai Oil Operations

Benson #7

DST Test Number: 5

# Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Mai Oil Operations**

8411 Preston Rd Ste 800  
Dallas TX, 75225

ATTN: Jim Musgrove

### **Benson #7**

#### **30-15w-23s Pawnee,KS**

Start Date: 2022.10.04 @ 01:00:00

End Date: 2022.10.04 @ 07:41:00

Job Ticket #: 65065                      DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.10.07 @ 11:48:12



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Mai Oil Operations

**30-15w-23s Pawnee, KS**

8411 Preston Rd Ste 800  
Dallas TX, 75225

**Benson #7**

Job Ticket: 65065

**DST#: 6**

ATTN: Jim Musgrove

Test Start: 2022.10.04 @ 01:00:00

### GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:29:15

Time Test Ended: 07:41:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Richard Samora

Unit No: 66

**Interval: 4072.00 ft (KB) To 4091.00 ft (KB) (TVD)**

Total Depth: 3663.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2048.00 ft (KB)

2038.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 8355 Outside**

Press@RunDepth: 1065.25 psig @ 4078.02 ft (KB)

Start Date: 2022.10.04

End Date:

2022.10.04

Start Time: 01:00:05

End Time:

07:40:59

Capacity: 8000.00 psig

Last Calib.: 2022.10.04

Time On Btm: 2022.10.04 @ 02:19:30

Time Off Btm: 2022.10.04 @ 05:28:00

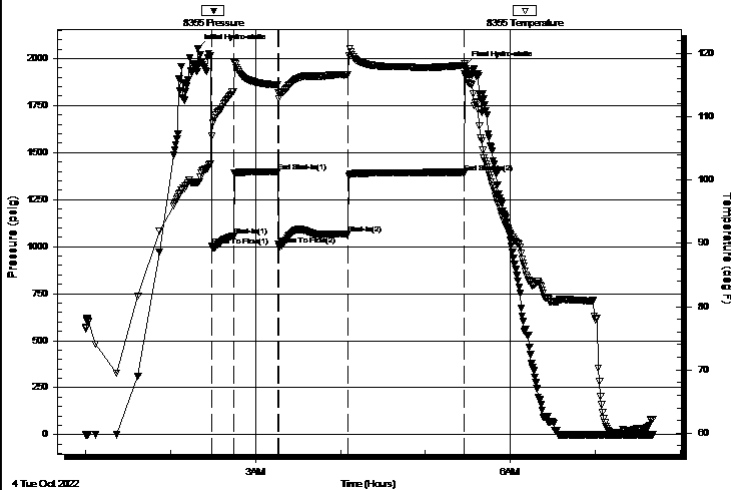
TEST COMMENT: IF: Strong blow Gas to surface in a minute OC 1" 5.7 Million cfpd 177psi

IS: Blow back built to 4.41

FF: Strong blow OC 1" 5.703 Million cfd 184psi

FS: Blow back built to 1.5

Pressure vs. Time



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2053.55         | 99.62        | Initial Hydro-static |
| 10          | 1003.07         | 106.92       | Open To Flow (1)     |
| 25          | 1054.78         | 113.97       | Shut-In (1)          |
| 57          | 1396.73         | 115.03       | End Shut-In (1)      |
| 57          | 1010.35         | 113.73       | Open To Flow (2)     |
| 106         | 1065.25         | 116.69       | Shut-In (2)          |
| 188         | 1394.50         | 118.10       | End Shut-In (2)      |
| 189         | 1960.86         | 117.51       | Final Hydro-static   |

Recovery

| Length (ft) | Description  | Volume (bbl) |
|-------------|--------------|--------------|
| 189.00      | WM 95% W 5%M | 2.65         |
| 0.00        | GTS          | 0.00         |
|             |              |              |
|             |              |              |
|             |              |              |
|             |              |              |

Gas Rates

|                | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|----------------|-----------------|------------------|
| First Gas Rate | 1.00           | 166.00          | 5186.29          |
| Last Gas Rate  | 1.00           | 184.00          | 5703.77          |
| Max. Gas Rate  | 1.00           | 191.00          | 5905.01          |

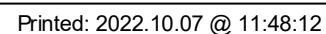
\* Recovery from multiple tests



Test Start: 2022.10.04 @ 01:00:00

## KB to GR/CF: 10.00 ft

FSI: Blow back built to 1.5





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Mai Oil Operations

**30-15w-23s Pawnee, KS**

8411 Preston Rd Ste 800  
Dallas TX, 75225

**Benson #7**

Job Ticket: 65065

**DST#: 6**

ATTN: Jim Musgrove

Test Start: 2022.10.04 @ 01:00:00

### Tool Information

|                           |         |            |           |             |               |           |                        |             |
|---------------------------|---------|------------|-----------|-------------|---------------|-----------|------------------------|-------------|
| Drill Pipe:               | Length: | 4053.00 ft | Diameter: | 3.80 inches | Volume:       | 56.85 bbl | Tool Weight:           | 2100.00 lb  |
| Heavy Wt. Pipe:           | Length: | 0.00 ft    | Diameter: | 3.25 inches | Volume:       | 0.00 bbl  | Weight set on Packer:  | 25000.00 lb |
| Drill Collar:             | Length: | 0.00 ft    | Diameter: | 2.25 inches | Volume:       | 0.00 bbl  | Weight to Pull Loose:  | 49000.00 lb |
|                           |         |            |           |             | Total Volume: | 56.85 bbl | Tool Chased            | 0.00 ft     |
| Drill Pipe Above KB:      |         | 7.00 ft    |           |             |               |           | String Weight: Initial | 45000.00 lb |
| Depth to Top Packer:      |         | 4072.00 ft |           |             |               |           | Final                  | 45000.00 lb |
| Depth to Bottom Packer:   |         | ft         |           |             |               |           |                        |             |
| Interval between Packers: |         | 19.02 ft   |           |             |               |           |                        |             |
| Tool Length:              |         | 45.02 ft   |           |             |               |           |                        |             |
| Number of Packers:        |         | 2          | Diameter: | 6.75 inches |               |           |                        |             |
| Tool Comments:            |         |            |           |             |               |           |                        |             |

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|----------------|
|------------------|-------------|------------|----------|------------|----------------|

|                |       |      |         |         |                               |
|----------------|-------|------|---------|---------|-------------------------------|
| Shut In Tool   | 4.00  |      |         | 4050.00 |                               |
| Hydraulic tool | 4.00  |      |         | 4054.00 |                               |
| Sampler        | 4.00  |      |         | 4058.00 |                               |
| EM             | 5.00  |      |         | 4063.00 |                               |
| Safety Joint   | 2.00  |      |         | 4065.00 |                               |
| Packer         | 4.00  |      |         | 4069.00 | 26.00 Bottom Of Top Packer    |
| Packer         | 3.00  |      |         | 4072.00 |                               |
| Stubb          | 1.00  |      |         | 4073.00 |                               |
| Handling Sub   | 5.00  |      |         | 4078.00 |                               |
| Recorder       | 0.01  | 6839 | Inside  | 4078.01 |                               |
| Recorder       | 0.01  | 8355 | Outside | 4078.02 |                               |
| Perforations   | 10.00 |      |         | 4088.02 |                               |
| Bullnose       | 3.00  |      |         | 4091.02 | 19.02 Bottom Packers & Anchor |

**Total Tool Length: 45.02**



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

Mai Oil Operations

**30-15w-23s Pawnee, KS**

8411 Preston Rd Ste 800  
Dallas TX, 75225

**Benson #7**

Job Ticket: 65065

**DST#: 6**

ATTN: Jim Musgrove

Test Start: 2022.10.04 @ 01:00:00

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 9.57 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 11000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

### Recovery Information

Recovery Table

| Length<br>ft | Description  | Volume<br>bbl |
|--------------|--------------|---------------|
| 189.00       | WM 95% W 5%M | 2.651         |
| 0.00         | GTS          | 0.000         |

Total Length: 189.00 ft

Total Volume: 2.651 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### GAS RATES

Mai Oil Operations

**30-15w-23s Pawnee, KS**

8411 Preston Rd Ste 800  
Dallas TX, 75225

**Benson #7**

Job Ticket: 65065

**DST#: 6**

ATTN: Jim Musgrove

Test Start: 2022.10.04 @ 01:00:00

### Gas Rates Information

Temperature: 59 (deg F)  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

| Flow Period | Elapsed Time | Choke<br>(inches) | Pressure<br>(psig) | Gas Rate<br>(Mcf/d) |
|-------------|--------------|-------------------|--------------------|---------------------|
| 1           | 10           | 1.00              | 166.00             | 5186.29             |
| 1           | 10           | 1.00              | 166.00             | 5186.29             |
| 1           | 15           | 1.00              | 176.00             | 5473.77             |
| 2           | 10           | 1.00              | 183.00             | 5675.02             |
| 2           | 20           | 1.00              | 191.00             | 5905.01             |
| 2           | 30           | 1.00              | 184.00             | 5703.77             |
| 2           | 40           | 1.00              | 184.00             | 5703.77             |

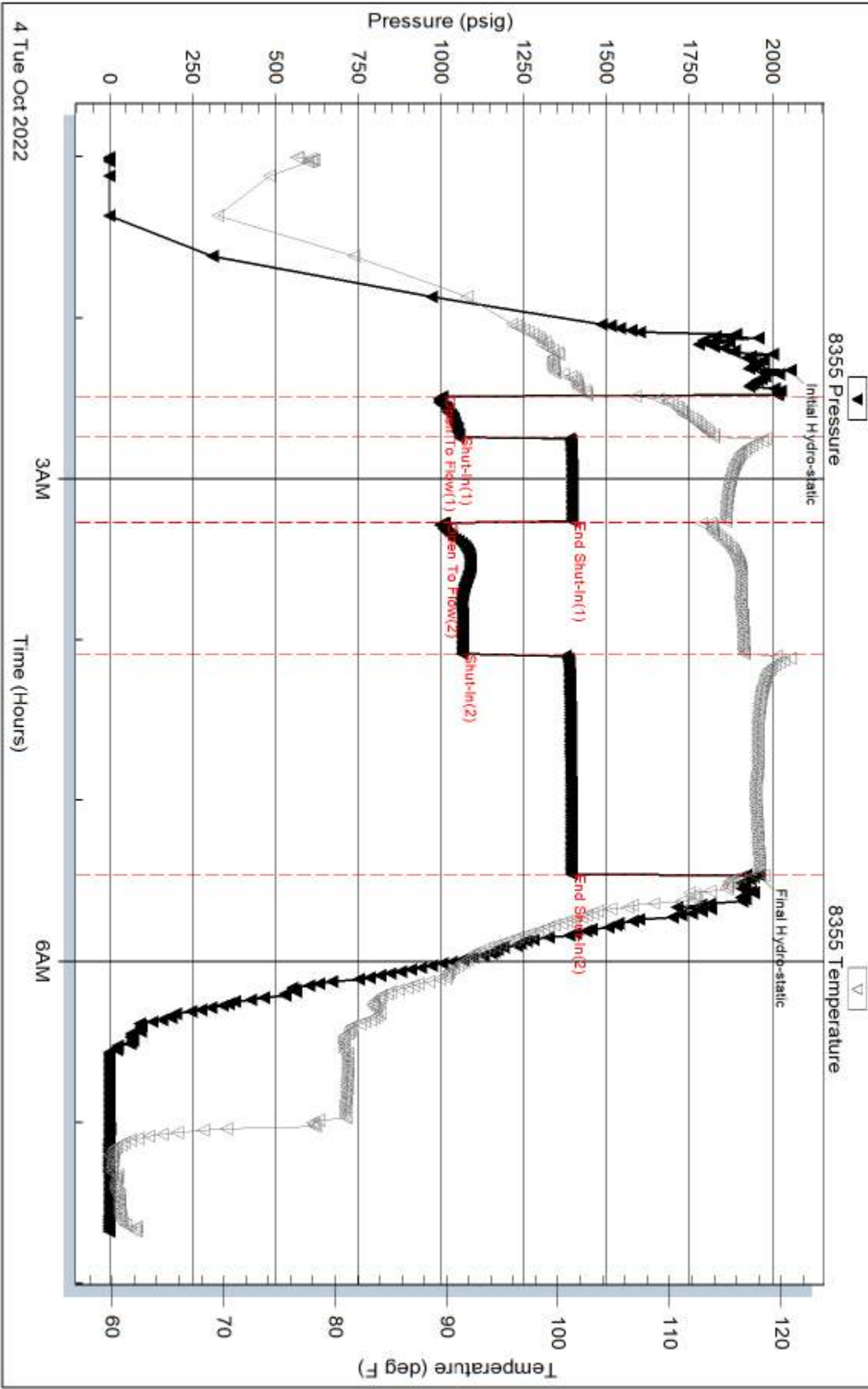
Serial #: 8355

Outside Mai Oil Operations

Benson #7

DST Test Number: 6

# Pressure vs. Time



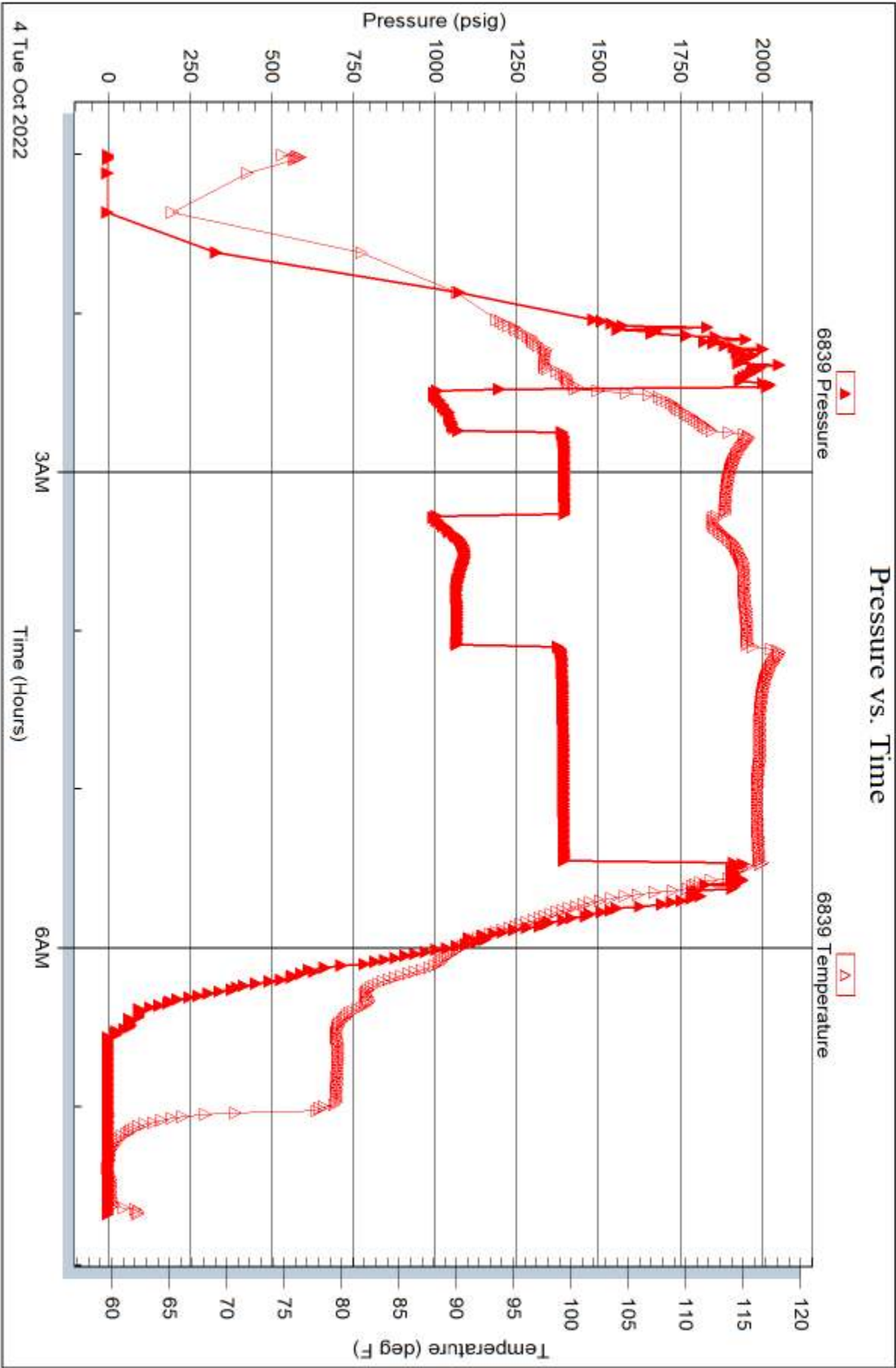
Serial #: 6839

Inside

Mai Oil Operations

Benson #7

DST Test Number: 6





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticker

NO. 65060

Well Name & No. Benson #7 Test No. 1 Date 10-1-22  
 Company Mai Oil Operation Elevation 2048 KB 2038 GL  
 Address 8411 Preston Rd STE 800 Dallas TX 75225  
 Co. Rep / Geo. Jim Murgave Rlg. Southwind  
 Location: Sec. 30 Twp 15N Rge. 23E Co. Pawnee State KS

Interval Tested 3621-3663 Zone Tested KS A+B  
 Anchor Length 42' Drill Pipe Run 3609 Mud Wt. 8.8  
 Top Packer Depth 3616 Drill Collars Run 0 Vis 52  
 Bottom Packer Depth 3621 Wt. Pipe Run 0 WL 8.8  
 Total Depth 3663 Chlorides 4000 ppm System LCM 2.5#

Blow Description IF: Fair blow, built to 7.5"  
IST: No blow back  
EF: Weak blow built to 3"  
EST: No blow back

|               |                    |      |      |        |      |
|---------------|--------------------|------|------|--------|------|
| Rec <u>65</u> | Feet of <u>MUD</u> | %gas | %oil | %water | %mud |
| Rec           | Feet of            | %gas | %oil | %water | %mud |
| Rec           | Feet of            | %gas | %oil | %water | %mud |
| Rec           | Feet of            | %gas | %oil | %water | %mud |
| Rec           | Feet of            | %gas | %oil | %water | %mud |

Rec Total 65 BHT NA Gravity NA API RW NA @ 1800 °F Chlorides NA pp

(A) Initial Hydrostatic 1618  
 (B) First Initial Flow 39  
 (C) First Final Flow 59  
 (D) Initial Shut-In 1279  
 (E) Second Initial Flow 79  
 (F) Second Final Flow 1270  
 (G) Final Shut-In 1357  
 (H) Final Hydrostatic 1749

☒ Test  
☐ Jars  
☒ Safety Joint  
☐ Circ Sub  
☐ Hourly Standby  
☒ Mileage (34) 51  
☐ Sampler  
☐ Straddle  
☐ Shale Packer  
☐ Extra Packer  
☐ Extra Recorder  
☐ Day Standby  
☐ Accessibility  
 Sub Total 1851

T-On Location 0.43  
 T-Started 1:40  
 T-Open 3:21  
 T-Pulled 8:15  
 T-Out 8:00  
 Comments

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 45  
 Final Shut-In 60

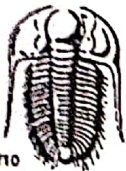
☒ EM Tool -350  
☐ Ruined Shale Packer  
☐ Ruined Packer  
☐ Extra Copies  
 Sub Total -350  
 Total 1501

Approved By

Our Representative

MP/DST Disc't

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 65061

Well Name & No. Benson #7 Test No. 2 Date 10-1-27  
 Company Maj Oil Operation Elevation 2048 KB 2038 GL  
 Address 8411 Preston Rd STE 800 DALLAS TX 75225  
 Co. Rep / Geo. Jim Musgrove Rig Southwind 2  
 Location: Sec. 30 Twp 15W Rge. 20S Co. Pawnee State KS

Interval Tested 3681-3722 Zone Tested Lansing F+G  
 Anchor Length 41' Drill Pipe Run 3672 Mud Wt. 8.9  
 Top Packer Depth 3676 Drill Collars Run 0 Vls 58  
 Bottom Packer Depth 3681 Wt. Pipe Run 0 WL 8.8  
 Total Depth 3722 Chlorides 4000 ppm System LCM 4

Blow Description IF: Strong blow BOB in 11 minutes Built to 24.5"  
ISI: No blow back  
FF: Strong blow BOB in 8 minutes Built to 46.12"  
FSL: Blow back built to 2.26" then gradually fell off

| Rec        | Feet of     | 0 %gas   | 85 %oil   | 5 %water  | 10 %mud   |
|------------|-------------|----------|-----------|-----------|-----------|
| <u>30</u>  | <u>OMW</u>  | <u>0</u> | <u>85</u> | <u>5</u>  | <u>10</u> |
| <u>63</u>  | <u>WMO</u>  | <u>0</u> | <u>10</u> | <u>40</u> | <u>50</u> |
| <u>189</u> | <u>OSMW</u> | <u>0</u> | <u>5</u>  | <u>70</u> | <u>25</u> |
| <u>63</u>  | <u>WM</u>   | <u>0</u> | <u>0</u>  | <u>90</u> | <u>10</u> |
| <u>126</u> | <u>WM</u>   | <u>0</u> | <u>0</u>  | <u>95</u> | <u>5</u>  |

Rec Total 471 BHT NA Gravity NA API RW NA @ NA °F Chlorides NA ppm

(A) Initial Hydrostatic 1842  
 (B) First Initial Flow 45  
 (C) First Final Flow 128  
 (D) Initial Shut-In 1107  
 (E) Second Initial Flow 122  
 (F) Second Final Flow 239  
 (G) Final Shut-In 1127  
 (H) Final Hydrostatic 1828

☒ Test 1800  
☐ Jars  
☐ Safety Joint  
☐ Circ Sub  
☐ Hourly Standby  
☒ Mileage (34) 51  
☐ Sampler  
☐ Straddle  
☐ Shale Packer  
☐ Extra Packer  
☐ Extra Recorder  
☐ Day Standby  
☐ Accessibility  
 Sub Total 1851

T-On Location 16:45  
 T-Started 15:35  
 T-Open 19:07  
 T-Pulled 21:53  
 T-Out 23:30

Comments  
☒ EM Tool -350  
☐ Ruined Shale Packer  
☐ Ruined Packer  
☐ Extra Copies  
 Sub Total -350  
 Total 1501

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 45  
 Final Shut-In 60

Approved By \_\_\_\_\_ Our Representative Richard Smith  
 Triobite 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. 65062

Well Name & No. Benson #7 Test No. 3 Date 10-2-22  
Company Mai Oil Operation Elevation 2048 KB 2038 GL  
Address 8411 Preston Rd Ste 800 Dallas TX 75225  
Co. Rep / Geo. Jim Muggie Rig Southwind 1  
Location: Sec. 30 Twp 15N Rge. 20S Co. Polk State KS

Interval Tested 3744-3772 Zone Tested Lansing  
Anchor Length 28' Drill Pipe Run 3735 Mud Wt. 8.9  
Top Packer Depth 3739 Drill Collars Run 0 Vls 58  
Bottom Packer Depth 3744 Wt. Pipe Run 0 WL 88  
Total Depth 3772 Chlorides 4000 ppm System LCM 2H

Blow Description IF: Strong blow BOB almost immediate reached 122" in H<sub>2</sub>O + 57.35 psi  
IS: Blow back built to 1.11 in H<sub>2</sub>O + 485 psi  
FF: Strong blow BOB immediate, OC to 18" MCFD coil. Reached 82 psi  
FS: Blow back built to 2.35"

|                 |                    |                 |               |                  |                |
|-----------------|--------------------|-----------------|---------------|------------------|----------------|
| Rec <u>94</u>   | Feet of <u>GAS</u> | <u>10</u> %gas  | <u>5</u> %oil | <u>30</u> %water | <u>55</u> %mud |
| Rec <u>63</u>   | Feet of <u>GAS</u> | <u>35</u> %gas  | <u>5</u> %oil | <u>35</u> %water | <u>25</u> %mud |
| Rec <u>63</u>   | Feet of <u>WMO</u> | <u>0</u> %gas   | <u>5</u> %oil | <u>65</u> %water | <u>30</u> %mud |
| Rec <u>3515</u> | Feet of <u>GIP</u> | <u>100</u> %gas | <u>0</u> %oil | <u>0</u> %water  | <u>0</u> %mud  |
| Rec _____       | Feet of _____      | %gas            | %oil          | %water           | %mud           |

Rec Total 220 BHT NA Gravity NC API RW NA @ \_\_\_\_\_ °F Chlorides NC ppm

(A) Initial Hydrostatic 1853  
(B) First Initial Flow 50  
(C) First Final Flow 66  
(D) Initial Shut-In 486  
(E) Second Initial Flow 53  
(F) Second Final Flow 88  
(G) Final Shut-In 471  
(H) Final Hydrostatic 1801

☒ Test 1800  
☐ Jars \_\_\_\_\_  
☒ Safety Joint \_\_\_\_\_  
☐ Circ Sub \_\_\_\_\_  
☐ Hourly Standby \_\_\_\_\_  
☒ Mileage (34) 51  
☐ Sampler \_\_\_\_\_  
☐ Straddle \_\_\_\_\_  
☐ Shale Packer \_\_\_\_\_  
☐ Extra Packer \_\_\_\_\_  
☐ Extra Recorder \_\_\_\_\_  
☐ Day Standby \_\_\_\_\_  
☐ Accessibility \_\_\_\_\_  
Sub Total 1851

T-On Location 0715  
T-Started 08:03  
T-Open 09:53  
T-Pulled 10:52  
T-Out 300

Comments \_\_\_\_\_  
☒ EM Tool \_\_\_\_\_  
☐ Ruined Shale Packer \_\_\_\_\_  
☐ Ruined Packer \_\_\_\_\_  
☐ Extra Copies \_\_\_\_\_  
Sub Total 0  
Total 1851

Initial Open 30  
Initial Shut-In 30  
Final Flow 45  
Final Shut-In 60

Approved By \_\_\_\_\_ Our Representative Richard S. ...  
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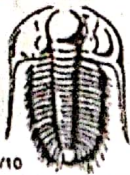
Mai Operation  
Operator

Benson 7  
Well Name and No.

3  
DST No.

| Min. | Ins. of Water<br>PSIG | Orifice Size | m <sup>3</sup> CF/D | Min. | Ins. of Water<br>PSIG | Orifice Size | m <sup>3</sup> CF/D |
|------|-----------------------|--------------|---------------------|------|-----------------------|--------------|---------------------|
|      |                       |              |                     | 5    | 3.98268               | 1/8"         | 6.47                |
|      |                       |              |                     | 10   | 4.19652               | 1/8          | 6.54                |
|      |                       |              |                     | 15   | 4.2714                | 1/8          | 6.57                |
|      |                       |              |                     | 20   | 4.32108               | 1/8          | 6.59                |
|      |                       |              |                     | 25   | 4.32432               | 1/8          | 6.59                |
|      |                       |              |                     | 30   | 4.29948               | 1/8          | 6.58                |
|      |                       |              |                     | 35   | 4.275                 | 1/8          | 6.57                |
|      |                       |              |                     | 40   | 4.25052               | 1/8          | 6.57                |
|      |                       |              |                     | 45   | 4.32396               | 1/8          | 6.59                |

Remarks:



**TRILOBITE  
TESTING INC.**

1515 Commerce Parkway • Hays, Kansas 67601

NO. **65063**

Well Name & No. Benson #7 Test No. 4 Date 10-3-22  
Company Max Oil Operations Elevation 2048 KB 2038 GL  
Address 8411 Preston Rd STE 800 Dallas TX 75225  
Co. Rep / Geo. Jim Mangrove Rig Southern  
Location: Sec. 30 Twp 15N Rge 20S Co. Polk State KS

Interval Tested 3770-3852 Zone Tested \_\_\_\_\_ Mud Wt. 9.1  
Anchor Length 82' Drill Pipe Run 3761 Vis 54  
Top Packer Depth 3765 Drill Collars Run 0 WL 7.2  
Bottom Packer Depth 3770 Wt. Pipe Run 0 LCM 2.5#  
Total Depth 3852 Chlorides 6000 ppm System \_\_\_\_\_  
Blow Description IF: Strong blow BOB almost immediate, EM psi 8269 140"  
IS1: Blowback built to 2.79  
FF: Strong blow BOB in 2:30 built to 187"  
FS1: Blowback built to

| Rec | Feet of | 0%gas | 30%oil | 0%water | 70% mud |
|-----|---------|-------|--------|---------|---------|
| 17  | QM      | 5     | 45     | 0       | 50      |
| 63  | GMQ     | 70    | 15     | 5       | 10      |
| 126 | QOWM    | 39    | 50     | 10      | 10      |
| 63  | OGWM    | 0     | 70     | 20      | 10      |
| 63  | QWM     |       |        |         |         |

Rec Total 395 BHT NA Gravity NA API RW NA @ NA °F Chlorides NA ppm

(A) Initial Hydrostatic 1925 ☒ Test 1800 T-On Location 370  
(B) First Initial Flow 75 ☐ Jars \_\_\_\_\_ T-Started 3:54  
(C) First Final Flow 135 ☒ Safety Joint \_\_\_\_\_ T-Open 5:17  
(D) Initial Shut-In 1123 ☐ Circ Sub \_\_\_\_\_ T-Pulled 8:20  
(E) Second Initial Flow 136 ☐ Hourly Standby \_\_\_\_\_ T-Out 11:00  
(F) Second Final Flow 209 ☒ Mileage 34 51 Comments Gas to surface  
(G) Final Shut-In 1116 ☐ Sampler \_\_\_\_\_  
(H) Final Hydrostatic 1926 ☐ Straddle \_\_\_\_\_  
☐ Shale Packer \_\_\_\_\_  
☐ Extra Packer \_\_\_\_\_  
☐ Extra Recorder \_\_\_\_\_  
☐ Day Standby \_\_\_\_\_  
☐ Accessibility \_\_\_\_\_  
Sub Total 1851

Initial Open 30  
Initial Shut-In 30  
Final Flow 45  
Final Shut-In 60

Sub Total -350  
Total 1501  
MP/DST Disc't \_\_\_\_\_

Approved By [Signature] Our Representative [Signature]  
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**TRILOBITE  
TESTING INC.**

1515 Commerce Parkway • Hays, Kansas 67601

**Test Ticket**

NO. **65064**

Well Name & No. Benson #77 Test No. 5 Date 10-4-22  
Company Mai Oil Operations Elevation 2018 KB 2038 GL  
Address 8411 Preston Rd Ste 800 Dallas TX 75225  
Co. Rep / Gen. Jim Musgrave Rig Southwind 1  
Location: Sec. 30 Twp 15w Rge. 20s Co. Pawnee State KS

Interval Tested 4011-4070 Zone Tested Simpson  
Anchor Length 82" Drill Pipe Run 3991 Mud Wt. 9.2  
Top Packer Depth 4006 Drill Collars Run 0 Vis 57  
Bottom Packer Depth 4011 Wt. Pipe Run 0 WL 10  
Total Depth 4070 Chlorides 7500 ppm System LCM 2#

Blow Description 1F: BOB immediate shut in to wait for proper rigging  
151: Waited for proper rigging  
FF: BOB immediate, OC 1" reached 191 psi + 5293 MCFD  
FS1: Blow back reached BOB in 75 min

| Rec         | Feet of    | %gas       | %oil      | %water    | %mud     |
|-------------|------------|------------|-----------|-----------|----------|
| <u>15</u>   | <u>OWM</u> | <u>0</u>   | <u>20</u> | <u>75</u> | <u>5</u> |
| <u>3981</u> | <u>GIP</u> | <u>100</u> |           |           |          |
|             |            | %gas       | %oil      | %water    | %mud     |
|             |            | %gas       | %oil      | %water    | %mud     |
|             |            | %gas       | %oil      | %water    | %mud     |

Rec Total BHT Gravity API RW @ F Chlorides pp  
(A) Initial Hydrostatic 2066 ☒ Test 1950  
(B) First Initial Flow 1130 ☐ Jars  
(C) First Final Flow 1084 ☒ Safety Joint  
(D) Initial Shut-In 1399 ☐ Circ Sub  
(E) Second Initial Flow 1048 ☐ Hourly Standby  
(F) Second Final Flow 1051 ☒ Mileage 34rt 51  
(G) Final Shut-In 1395 ☐ Sampler  
(H) Final Hydrostatic 2019 ☐ Straddle

Initial Open 15 ☐ Shale Packer  
Initial Shut-In 125 ☐ Extra Packer  
Final Flow 60 ☐ Extra Recorder  
Final Shut-In 75 ☐ Day Standby  
☐ Accessibility  
Sub Total 2001

T-On Location 05:00  
T-Started 07:16  
T-Open 9:01  
T-Pulled 14:10  
T-Out 15:45  
Comments

☒ EM Tool  
☐ Ruined Shale Packer  
☐ Ruined Packer  
☐ Extra Copies  
Sub Total 0  
Total 2001  
MP/DST Disc't

Approved By [Signature] Our Representative  
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P.O. Box 1733 • Hays, Kansas 67601

## Gas Volume Report

5

IF:

Operator

Well Name and No.

DST No.

| Min. | Ins. of Water<br>PSIG | Orifice Size | CF/D | Min. | Ins. of Water<br>PSIG | Orifice Size | CF/D    |
|------|-----------------------|--------------|------|------|-----------------------|--------------|---------|
|      |                       |              |      | 5    | 169.48                | 1"           | 4536.71 |
|      |                       |              |      | 10   | 187.17                | 1"           | 5198.48 |
|      |                       |              |      | 15   | 184.23                | 1"           | 5123.14 |
|      |                       |              |      | 20   | 184.5                 | 1"           | 5130.1  |
|      |                       |              |      | 25   | 191.94                | 1"           | 5321.76 |
|      |                       |              |      | 30   | 191.78                | 1"           | 5317.68 |
|      |                       |              |      | 35   | 189.58                | 1"           | 5261.22 |
|      |                       |              |      | 40   | 189.9                 | 1"           | 5269.3  |
|      |                       |              |      | 45   | 189.77                | 1"           | 5265.73 |
|      |                       |              |      | 50   | 189.57                | 1"           | 5260.83 |
|      |                       |              |      | 55   | 189.72                | 1"           | 5264.66 |
|      |                       |              |      | 60   | 190.82                | 1"           | 5292.81 |



**TRIBOLITE  
TESTING INC.**

1515 Commerce Parkway • Hays, Kansas 67601

# Test Ticket

NO. **65065**

Well Name & No. Benson #7 Test No. 6 Date 10-4-22  
Company M-I OIL Operations Elevation 2046 KB 7038 GL  
Address 8411 Prater Rd Ste 800 Dallas TX  
Co. Rep / Geo. Jim McGuire Rig Southwind  
Location: Sec. 30 Twp 15N Rge. 20E Co. Pawnee State KS

Interval Tested 4072-4091 Zone Tested Arbuckle  
Anchor Length 19' Drill Pipe Run 4053 Mud Wt. 9.1  
Top Packer Depth 4067 Drill Collars Run 0 Vis 52  
Bottom Packer Depth 4072 Wt. Pipe Run 0 WL 9.6  
Total Depth 4091 Chlorides 11000 ppm System LCM #0001  
Blow Description IF: Strong blow gas to surface in 1 minute OC 1" 650 Mcf 172 psi  
ISI: Blow back built to 4.4  
FF: Strong blow OC 1" 674.35 Mcf 184 psi  
ISI Blow back built to 1.5"

|                |                   |               |               |                  |               |
|----------------|-------------------|---------------|---------------|------------------|---------------|
| Rec <u>189</u> | Feet of <u>Wm</u> | <u>0</u> %gas | <u>0</u> %oil | <u>95</u> %water | <u>5</u> %mud |
| Rec            | Feet of           | %gas          | %oil          | %water           | %mud          |
| Rec            | Feet of           | %gas          | %oil          | %water           | %mud          |
| Rec            | Feet of           | %gas          | %oil          | %water           | %mud          |
| Rec            | Feet of           | %gas          | %oil          | %water           | %mud          |

Rec Total 189 BHT NX Gravity NX API RW Nc @ Nc °F Chlorides Nc ppm

(A) Initial Hydrostatic 2054  
(B) First Initial Flow 1903  
(C) First Final Flow 1055  
(D) Initial Shut-In 1394  
(E) Second Initial Flow 1010  
(F) Second Final Flow 1065  
(G) Final Shut-In 1395  
(H) Final Hydrostatic 1961

Initial Open 15  
Initial Shut-In 30  
Final Flow 45  
Final Shut-In 60

☒ Test 1950  
☐ Jars  
☒ Safety Joint  
☐ Circ Sub  
☐ Hourly Standby  
☐ Mileage 34rt 51  
☐ Sampler  
☐ Straddle  
☐ Shale Packer  
☐ Extra Packer  
☐ Extra Recorder  
☒ Day Standby  
☐ Accessibility  
Sub Total 2001

T-On Location 28:00  
T-Started 01:00  
T-Open 01:53  
T-Pulled 400  
T-Out 5.15  
Comments  
☒ EM Tool  
☐ Ruined Shale Packer  
☐ Ruined Packer  
☐ Extra Copies  
Sub Total  
Total 2001

Approved By \_\_\_\_\_ Our Representative R. M. [Signature]  
Tribolite 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, tests lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



P.O. Box 1733 • Hays, Kansas 67601

Mex. Oil Operation  
 T.F. 15 min Operator  
 Benson 7  
 FF 45 Well Name and No.  
 C DST No.

Remarks:



## QUALITY OILWELL CEMENTING, INC.

PO Box 32 - 740 West Wichita Ave, Russell KS 67665

Phone: 785-324-1041 fax: 785-483-1087

Email: cementing@ruraltel.net

Date: 9/27/2022  
Invoice # 3167

P.O.#:

Due Date: 10/27/2022

Division: Russell

# Invoice

**Contact:**

Mai Oil Operations

**Address/Job Location:**

8411 Preston Rd. Ste 800

Dallas TX 75225-5520

**Reference:**

BENSON 7 SEC 30-23-15

**Description of Work:**

SURFACE JOB

**Services / Items Included:**

|                                              | Quantity | Price       | Taxable | Item | Quantity | Price | Taxable |
|----------------------------------------------|----------|-------------|---------|------|----------|-------|---------|
| Labor                                        |          | \$ 869.52   | No      |      |          |       |         |
| Common-Class A                               | 210      | \$ 4,216.02 | Yes     |      |          |       |         |
| POZ Mix-Standard                             | 140      | \$ 955.08   | Yes     |      |          |       |         |
| Calcium Chloride                             | 16       | \$ 873.22   | Yes     |      |          |       |         |
| Bulk Truck Matl-Material Service Charge      | 450      | \$ 438.56   | No      |      |          |       |         |
| Flo Seal                                     | 200      | \$ 389.83   | Yes     |      |          |       |         |
| Premium Gel (Bentonite)                      | 6        | \$ 169.58   | Yes     |      |          |       |         |
| Pump Truck Mileage-Job to Nearest Camp       | 34       | \$ 149.11   | No      |      |          |       |         |
| 8 5/8" Top Rubber Plug                       | 1        | \$ 118.90   | Yes     |      |          |       |         |
| Bulk Truck Mileage-Job to Nearest Bulk Plant | 34       | \$ 115.97   | No      |      |          |       |         |

**Invoice Terms:**

Net 30

SubTotal: \$ 8,295.79

Discount Available ONLY if Invoice is Paid & Received  
within listed terms of invoice: \$ (207.39)

SubTotal for Taxable Items: \$ 6,554.56

SubTotal for Non-Taxable Items: \$ 1,533.83

Total: \$ 8,088.40

Tax: \$ 557.14

8.50% Pawnee County Sales Tax

Amount Due: \$ 8,645.54

Applied Payments:

Balance Due: \$ 8,645.54

**Thank You For Your Business!**

Past Due Invoices are subject to a service charge (annual rate of 24%)

This does not include any applicable taxes unless it is listed.

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**Federal Tax I.D.# 20-2886107**

**Home Office P.O. Box 32 Russell, KS 67665**

No. 3167

|      |         |      |    |      |    |       |    |        |        |       |    |             |  |        |         |
|------|---------|------|----|------|----|-------|----|--------|--------|-------|----|-------------|--|--------|---------|
| Date | 9-27-22 | Sec. | 30 | Twp. | 23 | Range | 15 | County | Pawnee | State | Ks | On Location |  | Finish | 5:15 AM |
|------|---------|------|----|------|----|-------|----|--------|--------|-------|----|-------------|--|--------|---------|

|            |  |             |  |                                                                    |  |
|------------|--|-------------|--|--------------------------------------------------------------------|--|
| Lease      |  | Well No.    |  | Location                                                           |  |
| Benson     |  | 7           |  | Radium - 85 to 70th Rd, 4w to 40th Ave, 25 to CRd, 2 3/4 W, S/Into |  |
| Contractor |  | Southern #1 |  | To Quality Oilwell Cementing, Inc.                                 |  |

|            |              |                                                                                                                                          |
|------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Contractor | Southwind #1 | To Quality Oilwell Cementing, Inc.                                                                                                       |
| Type Job   | Surface      | You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. |

|           |         |       |      |           |                    |
|-----------|---------|-------|------|-----------|--------------------|
| Hole Size | 12 1/4" | T.D.  | 570' | Charge To | mai oil operations |
| Csg.      | 8 3/8"  | Depth | 568' | Street    |                    |

| Tbg. Size | Depth | City | State |
|-----------|-------|------|-------|
|-----------|-------|------|-------|

|      |       |                                                                                  |
|------|-------|----------------------------------------------------------------------------------|
| Tool | Depth | The above was done to satisfaction and supervision of owner agent or contractor. |
|------|-------|----------------------------------------------------------------------------------|

|                     |    |            |    |                       |     |                    |
|---------------------|----|------------|----|-----------------------|-----|--------------------|
| Cement Left in Csg. | 25 | Shoe Joint | 25 | Cement Amount Ordered | 350 | 60/40 40% CL 2% Gd |
|---------------------|----|------------|----|-----------------------|-----|--------------------|

|           |          |            |                 |
|-----------|----------|------------|-----------------|
| Meas Line | Displace | 34 1/2 BLS | 1/2 ad 710-seal |
| EQUIPMENT |          |            |                 |

|    |        |        |
|----|--------|--------|
| No | Cement | Common |
| 1  | 1      | 210    |

|         |    |     |        |        |          |     |
|---------|----|-----|--------|--------|----------|-----|
| Pumptrk | 16 | NO. | Helper | Jordan | Poz. Mix | 140 |
|         |    |     | Driver |        |          |     |

|         |    |     |        |        |      |   |
|---------|----|-----|--------|--------|------|---|
| Bulktrk | 21 | No. | Driver | Bryant | Gel. | 3 |
|---------|----|-----|--------|--------|------|---|

|         |     |        |        |         |
|---------|-----|--------|--------|---------|
| Bulktrk | No. | Driver | Driver | Calcium |
| P.4.    |     | RICK   |        | 76      |

|                        |       |  |
|------------------------|-------|--|
| JOB SERVICES & REMARKS | Hulls |  |
|------------------------|-------|--|

|          |              |      |
|----------|--------------|------|
| Remarks: | 125' of Sand | Salt |
|----------|--------------|------|

|          |                |  |
|----------|----------------|--|
| Rat Hole | Flowseal 200 # |  |
|----------|----------------|--|

|            |              |          |           |     |
|------------|--------------|----------|-----------|-----|
| Mouse Hole | Constant del | Constant | Flow Seal | 200 |
|            |              |          | Kel Seal  |     |

|              |            |          |
|--------------|------------|----------|
|              | Circulate  | KOI-Seal |
| Centralizers | Mud CLP-40 |          |

|         |    |    |    |
|---------|----|----|----|
| Baskets | 55 | 55 | 55 |
|---------|----|----|----|

|                         |  |
|-------------------------|--|
| CFR 117 or CD110 CAF 38 |  |
| DA/ or BOW Cellar       |  |

|                    |      |  |
|--------------------|------|--|
| 27V or Port Collar | Sand |  |
|--------------------|------|--|

|          |     |
|----------|-----|
| Handling | 430 |
|----------|-----|

|  |         |  |
|--|---------|--|
|  | Mileage |  |
|--|---------|--|

|  |                 |  |
|--|-----------------|--|
|  | FLOAT EQUIPMENT |  |
|--|-----------------|--|

|  |            |  |
|--|------------|--|
|  | Guide Shoe |  |
|--|------------|--|

|             |                   |
|-------------|-------------------|
| Centralizer | 8 3/8 Rubber Dile |
|-------------|-------------------|

|  |         |        |  |
|--|---------|--------|--|
|  | Baskets | 70-80% |  |
|--|---------|--------|--|

|             |  |  |
|-------------|--|--|
| AFU Inserts |  |  |
|-------------|--|--|

|  |            |  |
|--|------------|--|
|  | Floor Shoe |  |
|--|------------|--|

|             |  |
|-------------|--|
| Float Slide |  |
| Latch Down  |  |

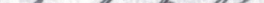
|  |            |  |
|--|------------|--|
|  | Latch Down |  |
|  |            |  |

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 | 121 | 122 | 123 | 124 | 125 | 126 | 127 | 128 | 129 | 130 | 131 | 132 | 133 | 134 | 135 | 136 | 137 | 138 | 139 | 140 | 141 | 142 | 143 | 144 | 145 | 146 | 147 | 148 | 149 | 150 | 151 | 152 | 153 | 154 | 155 | 156 | 157 | 158 | 159 | 160 | 161 | 162 | 163 | 164 | 165 | 166 | 167 | 168 | 169 | 170 | 171 | 172 | 173 | 174 | 175 | 176 | 177 | 178 | 179 | 180 | 181 | 182 | 183 | 184 | 185 | 186 | 187 | 188 | 189 | 190 | 191 | 192 | 193 | 194 | 195 | 196 | 197 | 198 | 199 | 200 | 201 | 202 | 203 | 204 | 205 | 206 | 207 | 208 | 209 | 210 | 211 | 212 | 213 | 214 | 215 | 216 | 217 | 218 | 219 | 220 | 221 | 222 | 223 | 224 | 225 | 226 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 | 241 | 242 | 243 | 244 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 253 | 254 | 255 | 256 | 257 | 258 | 259 | 260 | 261 | 262 | 263 | 264 | 265 | 266 | 267 | 268 | 269 | 270 | 271 | 272 | 273 | 274 | 275 | 276 | 277 | 278 | 279 | 280 | 281 | 282 | 283 | 284 | 285 | 286 | 287 | 288 | 289 | 290 | 291 | 292 | 293 | 294 | 295 | 296 | 297 | 298 | 299 | 300 | 301 | 302 | 303 | 304 | 305 | 306 | 307 | 308 | 309 | 310 | 311 | 312 | 313 | 314 | 315 | 316 | 317 | 318 | 319 | 320 | 321 | 322 | 323 | 324 | 325 | 326 | 327 | 328 | 329 | 330 | 331 | 332 | 333 | 334 | 335 | 336 | 337 | 338 | 339 | 340 | 341 | 342 | 343 | 344 | 345 | 346 | 347 | 348 | 349 | 350 | 351 | 352 | 353 | 354 | 355 | 356 | 357 | 358 | 359 | 360 | 361 | 362 | 363 | 364 | 365 | 366 | 367 | 368 | 369 | 370 | 371 | 372 | 373 | 374 | 375 | 376 | 377 | 378 | 379 | 380 | 381 | 382 | 383 | 384 | 385 | 386 | 387 | 388 | 389 | 390 | 391 | 392 | 393 | 394 | 395 | 396 | 397 | 398 | 399 | 400 | 401 | 402 | 403 | 404 | 405 | 406 | 407 | 408 | 409 | 410 | 411 | 412 | 413 | 414 | 415 | 416 | 417 | 418 | 419 | 420 | 421 | 422 | 423 | 424 | 425 | 426 | 427 | 428 | 429 | 430 | 431 | 432 | 433 | 434 | 435 | 436 | 437 | 438 | 439 | 440 | 441 | 442 | 443 | 444 | 445 | 446 | 447 | 448 | 449 | 450 | 451 | 452 | 453 | 454 | 455 | 456 | 457 | 458 | 459 | 460 | 461 | 462 | 463 | 464 | 465 | 466 |
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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|

|                |         |
|----------------|---------|
| Pumptrk Charge | Surface |
|----------------|---------|

|           |                          |         |
|-----------|--------------------------|---------|
| <p>17</p> | <p>Mileage <u>34</u></p> | <p></p> |
|-----------|--------------------------|---------|

|                                                                                              |                                                                                               |            |
|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------|
| <p>  </p> | <p>  </p> | <p>Tax</p> |
|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------|

|           |       |          |
|-----------|-------|----------|
| Signature | Thank | Discount |
|-----------|-------|----------|

|           |              |
|-----------|--------------|
| Signature | Total Charge |
|-----------|--------------|

8



## QUALITY OILWELL CEMENTING, INC.

PO Box 32 - 740 West Wichita Ave, Russell KS 67665

Phone: 785-324-1041 fax: 785-483-1087

Email: cementing@ruraltel.net

Date: 10/6/2022  
Invoice # 3177

P.O.#:

Due Date: 10/3/2022

Division: Russell

# Invoice

### Contact:

Mai Oil Operations

### Address/Job Location:

8411 Preston Rd. Ste 800

Dallas TX 75225-5520

### Reference:

BENSON 7 SEC 30-23-13

### Description of Work:

PROD STRING

### Services / Items Included:

|                                         | Quantity | Price       | Taxable | Item                                         | Quantity | Price    | Taxable |
|-----------------------------------------|----------|-------------|---------|----------------------------------------------|----------|----------|---------|
| Labor                                   |          | \$ 1,094.84 | No      | 5 1/2" Regular Guide Shoes                   | 1        | \$185.17 | Yes     |
| Pro-C Cement                            | 200      | \$ 4,677.97 | Yes     | Pump Truck Mileage-Job to Nearest Camp       | 34       | \$149.11 | No      |
| Common-Class A                          | 100      | \$ 2,007.63 | Yes     | Bulk Truck Mileage-Job to Nearest Bulk Plant | 34       | \$115.97 | No      |
| Gilsonite                               | 1000     | \$ 1,461.86 | Yes     | Premium Gel (Bentonite)                      | 3        | \$84.79  | Yes     |
| 5 1/2" Turbolizer                       | 11       | \$ 771.86   | Yes     |                                              |          |          |         |
| Mud Clear                               | 500      | \$ 711.44   | Yes     |                                              |          |          |         |
| POZ Mix-Standard                        | 60       | \$ 409.32   | Yes     |                                              |          |          |         |
| Bulk Truck Matl-Material Service Charge | 390      | \$ 380.08   | No      |                                              |          |          |         |
| 5 1/2" Basket                           | 1        | \$ 272.88   | Yes     |                                              |          |          |         |
| Latch Down Plug & Baffle, 5 1/2"        | 1        | \$ 259.24   | Yes     |                                              |          |          |         |
| Salt (Fine)                             | 16       | \$ 204.27   | Yes     |                                              |          |          |         |

### Invoice Terms:

Net 30

SubTotal: \$ 12,786.44

Discount Available ONLY if Invoice is Paid & Received  
within listed terms of invoice: \$ (319.66)

SubTotal for Taxable Items: \$ 10,770.27

SubTotal for Non-Taxable Items: \$ 1,696.51

Total: \$ 12,466.78

Tax: \$ 915.47

Amount Due: \$ 13,382.25

Applied Payments:

Balance Due: \$ 13,382.25

8.50% Pawnee County Sales Tax

**Thank You For Your Business!**

Past Due Invoices are subject to a service charge (annual rate of 24%)

This does not include any applicable taxes unless it is listed.

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# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3177

|                                                    |              |      |               |      |            |       |          |                                                                                                                                          |                                    |                                                                   |    |             |  |        |         |
|----------------------------------------------------|--------------|------|---------------|------|------------|-------|----------|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-------------------------------------------------------------------|----|-------------|--|--------|---------|
| Date                                               | 10-6-22      | Sec. | 30            | Twp. | 23         | Range | 15       | County                                                                                                                                   | Pawnee                             | State                                                             | Ks | On Location |  | Finish | 7:30 Am |
| Lease                                              | Benson       |      |               |      |            |       |          | Well No.                                                                                                                                 | #7                                 | Location Radium & K-19 4W to 40th Ave, 9S to CRd, 2 3/4 W, S Hnto |    |             |  |        |         |
| Contractor                                         | Southwind #1 |      |               |      |            |       |          | Owner                                                                                                                                    | To Quality Oilwell Cementing, Inc. |                                                                   |    |             |  |        |         |
| Type Job                                           | Longstring   |      |               |      |            |       |          | You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. |                                    |                                                                   |    |             |  |        |         |
| Hole Size                                          | 5 7/8"       |      |               |      |            |       |          | T.D.                                                                                                                                     | 4175'                              |                                                                   |    |             |  |        |         |
| Csg.                                               | 5 1/2"       |      |               |      |            |       |          | Depth                                                                                                                                    | 4174                               |                                                                   |    |             |  |        |         |
| Tbg. Size                                          |              |      |               |      |            |       |          | Depth                                                                                                                                    |                                    |                                                                   |    |             |  |        |         |
| Tool                                               |              |      |               |      |            |       |          | Depth                                                                                                                                    |                                    |                                                                   |    |             |  |        |         |
| Cement Left in Csg.                                | 33.09        |      |               |      |            |       |          | Shoe Joint                                                                                                                               | 33.09'                             |                                                                   |    |             |  |        |         |
| Meas Line                                          |              |      |               |      |            |       |          | Displace                                                                                                                                 | 97 1/4                             |                                                                   |    |             |  |        |         |
| EQUIPMENT                                          |              |      |               |      |            |       |          |                                                                                                                                          |                                    |                                                                   |    |             |  |        |         |
| Pumptrk                                            | 16           | No.  | Cement Helper |      | David Rick |       | Common   |                                                                                                                                          |                                    |                                                                   |    |             |  |        |         |
| Bulktrk                                            | 1            | No.  | Driver        |      | Tim        |       | Poz. Mix |                                                                                                                                          |                                    |                                                                   |    |             |  |        |         |
| Bulktrk                                            | 20           | No.  | Driver        |      | Jordan     |       | Gel. 3   |                                                                                                                                          |                                    |                                                                   |    |             |  |        |         |
| JOB SERVICES & REMARKS                             |              |      |               |      |            |       |          |                                                                                                                                          |                                    |                                                                   |    |             |  |        |         |
| Remarks:                                           |              |      |               |      |            |       |          |                                                                                                                                          |                                    |                                                                   |    |             |  |        |         |
| Rat Hole 30 SX                                     |              |      |               |      |            |       |          |                                                                                                                                          |                                    |                                                                   |    |             |  |        |         |
| Mouse Hole 20 SX                                   |              |      |               |      |            |       |          |                                                                                                                                          |                                    |                                                                   |    |             |  |        |         |
| Centralizers 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21 |              |      |               |      |            |       |          |                                                                                                                                          |                                    |                                                                   |    |             |  |        |         |
| Baskets 2875                                       |              |      |               |      |            |       |          |                                                                                                                                          |                                    |                                                                   |    |             |  |        |         |
| D/V or Port Collar pipe on bottom break            |              |      |               |      |            |       |          |                                                                                                                                          |                                    |                                                                   |    |             |  |        |         |
| Circulation pump 500 gal mud Clear                 |              |      |               |      |            |       |          |                                                                                                                                          |                                    |                                                                   |    |             |  |        |         |
| plug Rat + mouse holes, Cement 5 1/2"              |              |      |               |      |            |       |          |                                                                                                                                          |                                    |                                                                   |    |             |  |        |         |
| w/ 110 SX 60/40 + 200 SX Q Pro C                   |              |      |               |      |            |       |          |                                                                                                                                          |                                    |                                                                   |    |             |  |        |         |
| Shut down wash pump + lines                        |              |      |               |      |            |       |          |                                                                                                                                          |                                    |                                                                   |    |             |  |        |         |
| Displaced plug w/ 2000 lbs of                      |              |      |               |      |            |       |          |                                                                                                                                          |                                    |                                                                   |    |             |  |        |         |
| H2O. Released + held. 97 1/4                       |              |      |               |      |            |       |          |                                                                                                                                          |                                    |                                                                   |    |             |  |        |         |
| Lift pressure 1300 #                               |              |      |               |      |            |       |          |                                                                                                                                          |                                    |                                                                   |    |             |  |        |         |
| Land plug to 1800 #                                |              |      |               |      |            |       |          |                                                                                                                                          |                                    |                                                                   |    |             |  |        |         |
| Pumptrk Charge procl string                        |              |      |               |      |            |       |          |                                                                                                                                          |                                    |                                                                   |    |             |  |        |         |
| Mileage 34                                         |              |      |               |      |            |       |          |                                                                                                                                          |                                    |                                                                   |    |             |  |        |         |
| THANKS                                             |              |      |               |      |            |       |          |                                                                                                                                          |                                    |                                                                   |    |             |  |        |         |
| Signature G. Bailey                                |              |      |               |      |            |       |          |                                                                                                                                          |                                    |                                                                   |    |             |  |        |         |
| Tax                                                |              |      |               |      |            |       |          |                                                                                                                                          |                                    |                                                                   |    |             |  |        |         |
| Discount                                           |              |      |               |      |            |       |          |                                                                                                                                          |                                    |                                                                   |    |             |  |        |         |
| Total Charge                                       |              |      |               |      |            |       |          |                                                                                                                                          |                                    |                                                                   |    |             |  |        |         |