



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Daystar Petroleum, Inc.

**12-15S-21W Trego, KS**

522 N. Main St.  
PO Box 560  
Eureka, KS 67045  
ATTN: Brad Rine

**King #1-12**

Job Ticket: 58076

**DST#: 4**

Test Start: 2016.03.22 @ 18:49:49

## GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:32:19

Time Test Ended: 02:17:19

Test Type: Conventional Straddle (Reset)

Tester: Brannan Lonsdale

Unit No: 73

**Interval: 3845.00 ft (KB) To 3857.00 ft (KB) (TVD)**

Reference Elevations: 2116.00 ft (KB)

Total Depth: 3862.00 ft (KB) (TVD)

2108.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 6651 Inside**

Press @ RunDepth: 35.59 psig @ 3846.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.03.22

End Date:

2016.03.23

Last Calib.:

2016.03.23

Start Time:

18:49:50

End Time:

02:17:19

Time On Btm:

2016.03.22 @ 21:31:49

Time Off Btm:

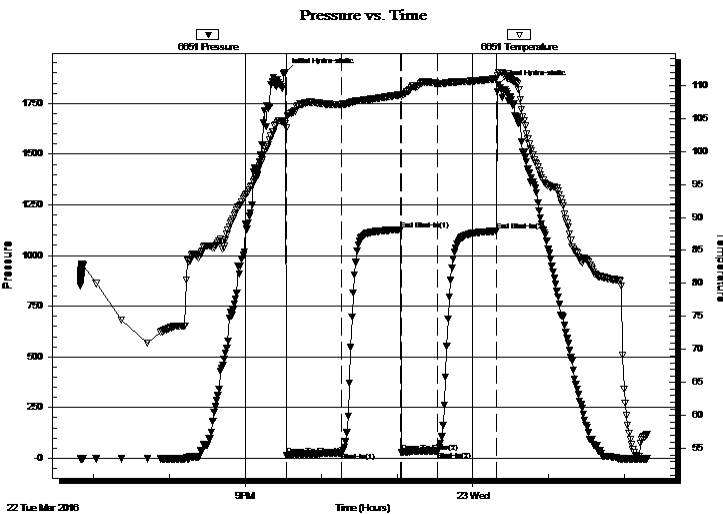
2016.03.23 @ 00:20:19

TEST COMMENT: 45- IF- Built very slow ly to 1"

45- ISI- No blow

30- FF- No blow

45- FSI- No blow



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1903.31         | 104.23       | Initial Hydro-static |
| 1           | 15.49           | 103.51       | Open To Flow (1)     |
| 45          | 26.76           | 107.12       | Shut-In(1)           |
| 91          | 1128.04         | 108.55       | End Shut-In(1)       |
| 92          | 29.72           | 108.37       | Open To Flow (2)     |
| 120         | 35.59           | 110.29       | Shut-In(2)           |
| 167         | 1120.01         | 111.00       | End Shut-In(2)       |
| 169         | 1843.39         | 111.91       | Final Hydro-static   |

## Recovery

| Length (ft) | Description                 | Volume (bbl) |
|-------------|-----------------------------|--------------|
| 15.00       | WM w / oil spots, 35%W 65%M | 0.07         |
|             |                             |              |
|             |                             |              |
|             |                             |              |
|             |                             |              |

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Daystar Petroleum, Inc.

12-15S-21W Trego, KS

522 N. Main St.  
PO Box 560  
Eureka, KS 67045  
ATTN: Brad Rine

**King #1-12**

Job Ticket: 58076

**DST#: 4**

Test Start: 2016.03.22 @ 18:49:49

**GENERAL INFORMATION:**

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Test Type: Conventional Straddle (Reset)

Time Tool Opened: 21:32:19

Tester: Brannan Lonsdale

Time Test Ended: 02:17:19

Unit No: 73

**Interval: 3845.00 ft (KB) To 3857.00 ft (KB) (TVD)**

Reference Elevations: 2116.00 ft (KB)

Total Depth: 3862.00 ft (KB) (TVD)

2108.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 6839 Outside**

Press @ RunDepth: psig @ 3846.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.03.22

End Date:

2016.03.23

Last Calib.:

2016.03.23

Start Time: 18:49:51

End Time:

02:17:20

Time On Btm:

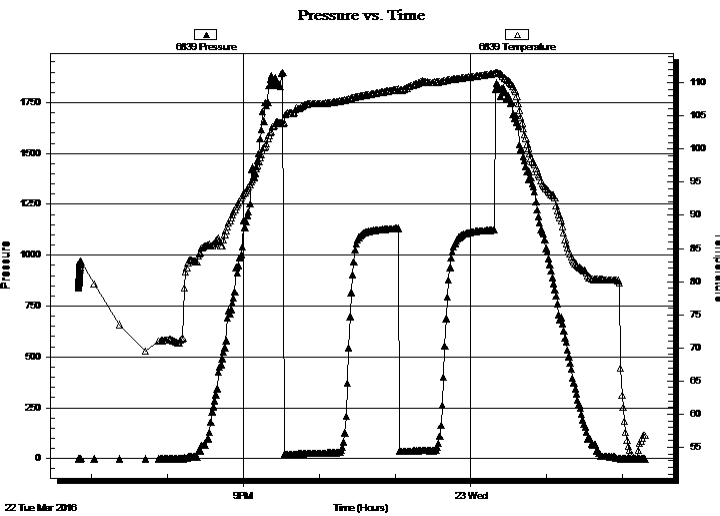
Time Off Btm:

TEST COMMENT: 45- IF- Built very slow ly to 1"

45- ISI- No blow

30- FF- No blow

45- FSI- No blow



**PRESSURE SUMMARY**

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

**Recovery**

| Length (ft) | Description                 | Volume (bbl) |
|-------------|-----------------------------|--------------|
| 15.00       | WM w / oil spots, 35%W 65%M | 0.07         |
|             |                             |              |
|             |                             |              |
|             |                             |              |
|             |                             |              |
|             |                             |              |

**Gas Rates**

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Daystar Petroleum, Inc.

**12-15S-21W Trego, KS**

522 N. Main St.  
PO Box 560  
Eureka, KS 67045  
ATTN: Brad Rine

**King #1-12**

Job Ticket: 58076

**DST#: 4**

Test Start: 2016.03.22 @ 18:49:49

## GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:32:19

Time Test Ended: 02:17:19

Test Type: Conventional Straddle (Reset)

Tester: Brannan Lonsdale

Unit No: 73

**Interval: 3845.00 ft (KB) To 3857.00 ft (KB) (TVD)**

Reference Elevations: 2116.00 ft (KB)

Total Depth: 3862.00 ft (KB) (TVD)

2108.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8959 Below (Straddle)**

Press @ Run Depth: psig @ 3859.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.03.22

End Date:

2016.03.23

Last Calib.:

2016.03.23

Start Time: 19:18:30

End Time:

02:17:29

Time On Btm:

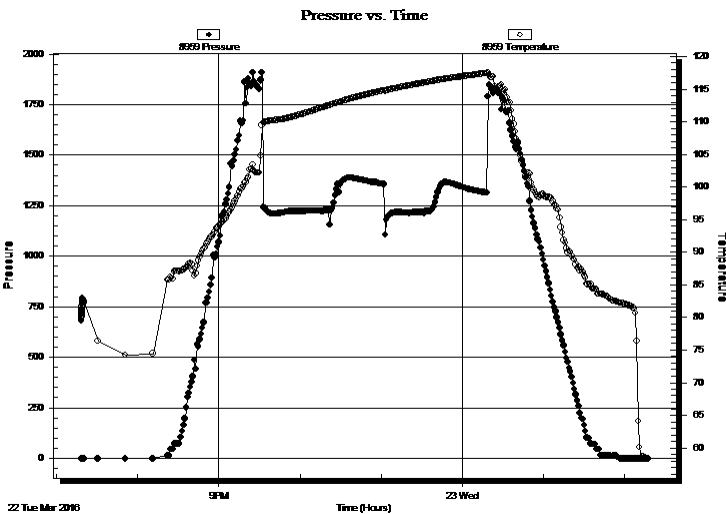
Time Off Btm:

TEST COMMENT: 45- IF- Built very slow ly to 1"

45- IS- No blow

30- FF- No blow

45- FS- No blow



## PRESSURE SUMMARY

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

## Recovery

| Length (ft) | Description                 | Volume (bbl) |
|-------------|-----------------------------|--------------|
| 15.00       | WM w / oil spots, 35%W 65%M | 0.07         |
|             |                             |              |
|             |                             |              |
|             |                             |              |
|             |                             |              |
|             |                             |              |

## Gas Rates

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

\* Recovery from multiple tests

# Pressure vs. Time

