



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Daystar Petroleum, Inc

**36-8s-19w Rooks**

522 N. Main St.  
PO Box 560  
Eureka, Ks 67045-0506  
ATTN: Matt Osborn, Brad Rin

**Marston Unit #1-36**

Job Ticket: 64925 **DST#: 1**  
Test Start: 2016.04.02 @ 10:35:32

## GENERAL INFORMATION:

Formation: **Oread**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 12:30:27  
Time Test Ended: 16:58:26  
Interval: **3098.00 ft (KB) To 3160.00 ft (KB) (TVD)**  
Total Depth: 3160.00 ft (KB) (TVD)  
Hole Diameter: 7.85 inches Hole Condition: Fair  
Reference Elevations: 2007.00 ft (KB)  
1999.00 ft (CF)  
KB to GR/CF: 8.00 ft  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Ray Schwager  
Unit No: 77

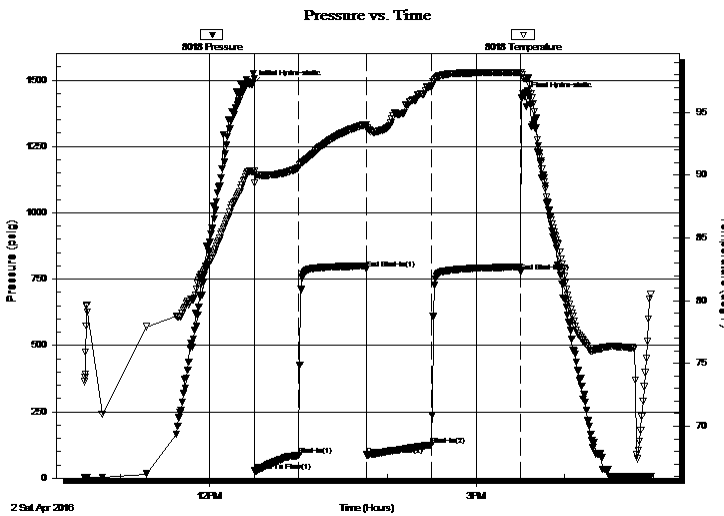
## Serial #: 8018

Inside

Press @ Run Depth: 124.95 psig @ 3104.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2016.04.02 End Date: 2016.04.02 Last Calib.: 2016.04.02  
Start Time: 10:35:32 End Time: 16:58:26 Time On Btm: 2016.04.02 @ 12:28:42  
Time Off Btm: 2016.04.02 @ 15:32:26

TEST COMMENT: 30-IFP-w k bl thru-out 1/4" to 3" bl  
45-ISIP-no bl  
45-FFP-w k bl thru-out surface to 1 1/2" bl  
60-FSIP-no bl

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1483.25	90.32	Initial Hydro-static
2	27.22	89.37	Open To Flow (1)
32	85.75	90.61	Shut-In(1)
77	787.65	94.05	End Shut-In(1)
78	88.08	93.78	Open To Flow (2)
121	124.95	97.06	Shut-In(2)
182	778.60	98.19	End Shut-In(2)
184	1437.79	97.69	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
186.00	Water	1.52
35.00	MW 40%M60%W	0.49

## Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Daystar Petroleum, Inc  
 522 N. Main St.  
 PO Box 560  
 Eureka, Ks 67045-0506  
 ATTN: Matt Osborn, Brad Rin

**36-8s-19w Rooks**

**Marston Unit #1-36**

Job Ticket: 64925 **DST#: 1**

Test Start: 2016.04.02 @ 10:35:32

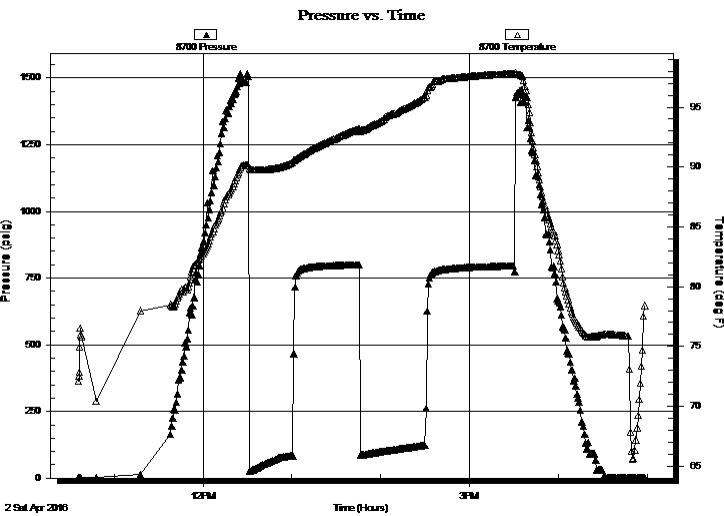
## GENERAL INFORMATION:

Formation: **Oread**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 12:30:27  
 Time Test Ended: 16:58:26  
 Interval: **3098.00 ft (KB) To 3160.00 ft (KB) (TVD)**  
 Total Depth: 3160.00 ft (KB) (TVD)  
 Hole Diameter: 7.85 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Ray Schwager  
 Unit No: 77  
 Reference Elevations: 2007.00 ft (KB)  
 1999.00 ft (CF)  
 KB to GR/CF: 8.00 ft

## Serial #: 8700 Outside

Press @ Run Depth: psig @ 3104.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2016.04.02 End Date: 2016.04.02 Last Calib.: 2016.04.02  
 Start Time: 10:35:55 End Time: 16:58:49 Time On Btm:  
 Time Off Btm:

TEST COMMENT: 30-IFP-w k bl thru-out 1/4" to 3" bl  
 45-ISIP-no bl  
 45-FFP-w k bl thru-out surface to 1 1/2" bl  
 60-FSIP-no bl



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
186.00	Water	1.52
35.00	MW 40%M60%W	0.49

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Daystar Petroleum, Inc

**36-8s-19w Rooks**

522 N. Main St.  
PO Box 560  
Eureka, Ks 67045-0506  
ATTN: Matt Osborn, Brad Rin

**Marston Unit #1-36**

Job Ticket: 64925

**DST#: 1**

Test Start: 2016.04.02 @ 10:35:32

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 51.00 sec/qt  
Water Loss: 5.60 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 3000.00 ppm  
Filter Cake: 1.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: deg API  
Water Salinity: 91000 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	Water	1.516
35.00	MW 40%M60%W	0.491

Total Length: 221.00 ft      Total Volume: 2.007 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .08@73F

### Pressure vs. Time

