



**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: 64850

**DST#: 3**

Test Start: 2016.03.22 @ 03:44:19

## GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:58:19

Time Test Ended: 11:18:49

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 73

**Interval: 3812.00 ft (KB) To 3848.00 ft (KB) (TVD)**

Reference Elevations: 2116.00 ft (KB)

Total Depth: 3848.00 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 @ Run Depth: 164.81 psig @ 3845.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.03.22 End Date: 2016.03.22

Last Calib.: 2016.03.22

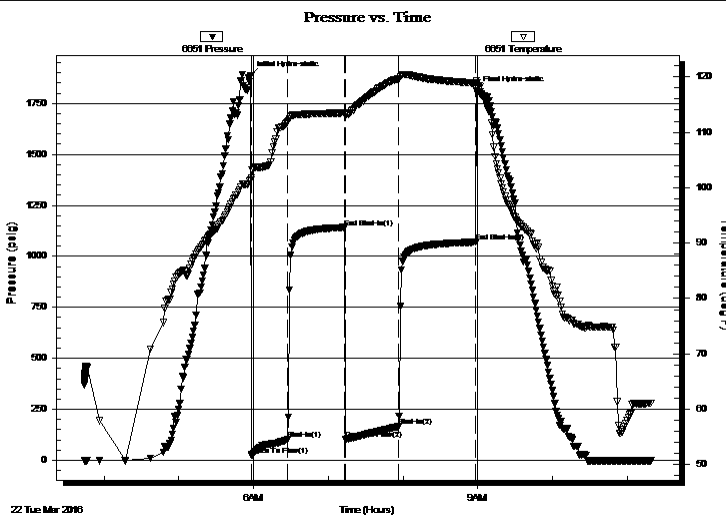
Start Time: 03:44:20 End Time: 11:18:49

Time On Btm: 2016.03.22 @ 05:57:49

Time Off Btm: 2016.03.22 @ 08:58:49

**TEST COMMENT:** 30- IF- BOB 17mins  
45- IS- Surface blow built very slowly to 1"  
45- FF- BOB 19mins  
60- FS- Surface blow built very slowly to .5"

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1887.19	101.48	Initial Hydro-static
1	22.77	101.83	Open To Flow (1)
30	100.66	111.87	Shut-In(1)
75	1141.61	113.50	End Shut-In(1)
76	102.63	113.13	Open To Flow (2)
119	164.81	119.65	Shut-In(2)
181	1069.74	118.81	End Shut-In(2)
181	1813.66	119.38	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
188.00	OCMW, 5%O 25%M 70%W	1.54
63.00	SOCM, 5%O 95%M	0.89
110.00	GO, 15%G 85%O	1.56
0.00	1647' GIP	0.00

## Gas Rates

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

\* Recovery from multiple tests



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## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

42000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
188.00	OCMW, 5%O 25%M 70%W	1.536
63.00	SOCM, 5%O 95%M	0.893
110.00	GO, 15%G 85%O	1.559
0.00	1647' GIP	0.000

Total Length: 361.00 ft

Total Volume: 3.988 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

