



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Shelby Resources L.L.C  
 621 17th St Ste 1155 Denver CO 80293  
 ATTN: Jeremy Schwartz

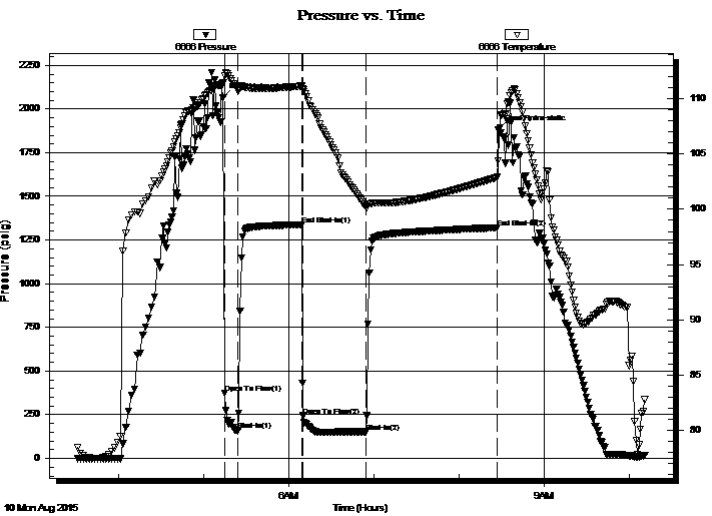
**8-22-16w Pawnee**  
**Jessie #1-8**  
 Job Ticket: 62933 **DST#: 1**  
 Test Start: 2015.08.10 @ 03:30:00

## GENERAL INFORMATION:

Formation: **Conglomerate**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 05:14:30  
 Time Test Ended: 10:10:30  
 Interval: **3834.00 ft (KB) To 3894.00 ft (KB) (TVD)**  
 Total Depth: 3894.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jared Scheck  
 Unit No: 55-50rt -Great Bend  
 Reference Elevations: 2019.00 ft (KB)  
 2008.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 6666 Inside**  
 Press@RunDepth: 152.37 psig @ 3866.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2015.08.10 End Date: 2015.08.10 Last Calib.: 2015.08.10  
 Start Time: 03:31:00 End Time: 10:10:30 Time On Btm: 2015.08.10 @ 05:13:30  
 Time Off Btm: 2015.08.10 @ 08:27:30

**TEST COMMENT:** IFP-10 Minutes-Strong blow built bottom of bucket in 45 sec  
 ISIP-45 Minutes-No blow back  
 FFP-45 Minutes-Strong blow built bottom of bucket in 45 sec  
 FSIP-90Minutes-Very weak blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2063.24	111.43	Initial Hydro-static
1	372.93	112.03	Open To Flow (1)
11	159.69	110.71	Shut-In(1)
56	1337.41	111.14	End Shut-In(1)
57	244.13	110.78	Open To Flow (2)
101	152.37	100.20	Shut-In(2)
193	1319.71	102.90	End Shut-In(2)
194	1882.08	104.42	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
90.00	mud	0.99
0.00	3700 feet gas in pipe gas sample was	10.00

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	23.00	584.18
Last Gas Rate	0.75	23.00	584.18
Max. Gas Rate	0.75	23.00	584.18



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**FLUID SUMMARY**

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**8-22-16w Pawnee**

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**Jessie #1-8**

Job Ticket: 62933

**DST#: 1**

ATTN: Jeremy Schwartz

Test Start: 2015.08.10 @ 03:30:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7700.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	mud	0.989
0.00	3700 feet gas in pipe gas sample w as tak	0.000

Total Length: 90.00 ft      Total Volume: 0.989 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



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**GAS RATES**

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**8-22-16w Pawnee**

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**Jessie #1-8**

Job Ticket: 62933

**DST#: 1**

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Test Start: 2015.08.10 @ 03:30:00

### Gas Rates Information

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

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	10	0.75	23.00	584.18
2	10	0.75	23.00	584.18
2	20	0.75	23.00	584.18
2	30	0.75	23.00	584.18

### Pressure vs. Time

