



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Shelby Resources LLC.  
2717 Canal BLVD  
Suite C  
Hays Ks, 67601  
ATTN: Jeremy Schwartz

**27/18s/14w/Barton**

**Nelson #1-27**

Job Ticket: 62006

**DST#: 4**

Test Start: 2015.07.07 @ 01:55:00

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:53:00

Time Test Ended: 09:55:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane Konzem

Unit No: 56/30/Great Bend

**Interval: 3444.00 ft (KB) To 3458.00 ft (KB) (TVD)**

Reference Elevations: 1912.00 ft (KB)

Total Depth: 3458.00 ft (KB) (TVD)

1901.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 11.00 ft

**Serial #: 6651**

**Inside**

Press@RunDepth: 204.50 psig @ 3454.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.07

End Date:

2015.07.07

Last Calib.:

2015.07.07

Start Time: 01:56:00

End Time:

09:55:00

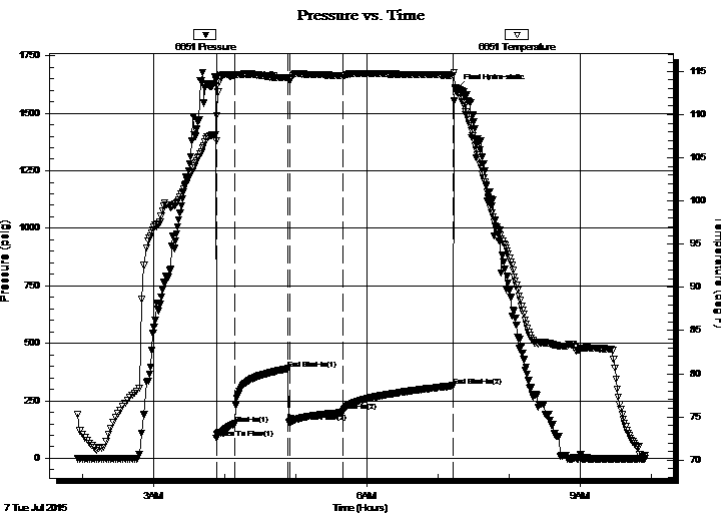
Time On Btm:

2015.07.07 @ 03:47:30

Time Off Btm:

2015.07.07 @ 07:16:30

**TEST COMMENT:** 1st Open/ 15 Minutes. Good blow built to bottom of 5 gallon bucket in 2 minutes and 10 seconds.  
1st Shut In/ 45 minutes. Blow back built to 2 inches.  
2nd Open/ 45 Minutes. Good blow built to bottom of 5 gallon bucket in 8 minutes and 20 seconds.  
2nd Shut In/ 90 Minutes. Weak surface blow back that died at 25 minutes.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1618.50	107.54	Initial Hydro-static
6	88.19	106.96	Open To Flow (1)
21	149.86	114.57	Shut-In(1)
66	389.77	114.29	End Shut-In(1)
68	157.80	114.10	Open To Flow (2)
113	204.50	114.52	Shut-In(2)
205	315.08	114.54	End Shut-In(2)
209	1605.74	112.51	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	189 Gas in pipe	0.00
378.00	100% Clean gassy oil	3.03
126.00	Gassy mud cut oil	1.77
0.00	20% gas, 30% mud, 50% oil	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shelby Resources LLC.

**27/18s/14w/Barton**

2717 Canal BLVD  
Suite C  
Hays Ks, 67601  
ATTN: Jeremy Schwartz

**Nelson #1-27**

Job Ticket: 62006

**DST#: 4**

Test Start: 2015.07.07 @ 01:55:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 55.00 sec/qt  
Water Loss: 8.39 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 4900.00 ppm  
Filter Cake: 2.00 inches

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

Oil API: 41 deg API  
Water Salinity: ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	189 Gas in pipe	0.000
378.00	100% Clean gassy oil	3.032
126.00	Gassy mud cut oil	1.767
0.00	20% gas, 30% mud, 50% oil	0.000

Total Length: 504.00 ft      Total Volume: 4.799 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

