



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

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

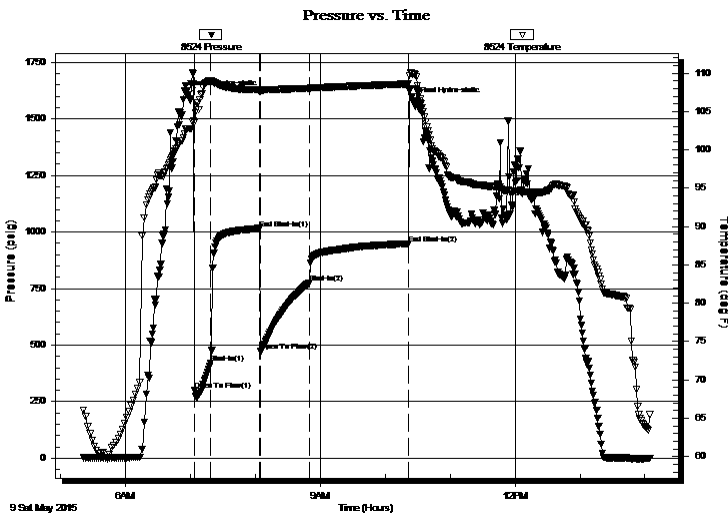
**15/18s/14w/Barton**  
**Jerry's Uint #1-15**  
Job Ticket: 61996 **DST#: 3**  
Test Start: 2015.05.09 @ 05:20:00

## GENERAL INFORMATION:

Formation: **Lansing "H-K"**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 07:03:30  
Time Test Ended: 14:04:30  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Shane Konzem  
Unit No: 56/26/Great Bend  
Interval: **3302.00 ft (KB) To 3386.00 ft (KB) (TVD)**  
Reference Elevations: 1939.00 ft (KB)  
Total Depth: 3386.00 ft (KB) (TVD) 1926.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 13.00 ft

**Serial #: 8524 Inside**  
Press @ Run Depth: 774.03 psig @ 3382.25 ft (KB) Capacity: 8000.00 psig  
Start Date: 2015.05.09 End Date: 2015.05.09 Last Calib.: 2015.05.09  
Start Time: 05:21:00 End Time: 14:04:30 Time On Btm: 2015.05.09 @ 06:57:30  
Time Off Btm: 2015.05.09 @ 10:25:30

**TEST COMMENT:** 1st Open/ 15 Minutes. Strong blow built to bottom of 5 gallon bucket in 45 seconds.  
1st Shut In/ 45 Minutes. Blow back built to bottom of 5 gallon bucket in 5 minutes. Gas to surface in 5 minutes.  
2nd Open/ 45 Minutes. Strong blow built to bottom of 5 gallon bucket in 40 seconds.  
2nd Shut In/ 90 Minutes. Blow back built to bottom of 5 gallon bucket in 4 minutes.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1606.99	102.76	Initial Hydro-static
6	301.00	103.57	Open To Flow (1)
21	418.98	108.98	Shut-In(1)
66	1015.95	107.80	End Shut-In(1)
67	472.21	107.65	Open To Flow (2)
112	774.03	108.02	Shut-In(2)
204	948.86	108.59	End Shut-In(2)
208	1578.87	109.89	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2205.00	100% clean gassy oil	30.38
0.00	Oil reversed to truck.	0.00

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	5.00	7.26
Last Gas Rate	0.13	0.00	5.39
Max. Gas Rate	0.13	5.00	7.26



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**FLUID SUMMARY**

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## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

42 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2205.00	100% clean gassy oil	30.384
0.00	Oil reversed to truck.	0.000

Total Length: 2205.00 ft      Total Volume: 30.384 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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### 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	5	0.13	5.00	7.26
2	5	0.13	5.00	7.26
2	10	0.13	4.00	6.89
2	15	0.13	0.60	5.61
2	20	0.13	0.00	5.39
2	25	0.13	0.00	5.39
2	30	0.13	0.00	5.39
2	35	0.13	0.00	5.39

### Pressure vs. Time

