



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Shelby Resources LLC

23/18S/14W/Barton

2717 Canal Blvd
Hays Kansas 67601

MP #1-23

Job Ticket: 65080

DST#: 1

ATTN: Jeremy Schwartz

Test Start: 2016.02.26 @ 02:28:56

GENERAL INFORMATION:

Formation: **Pennsylvania Conglom**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:15:56

Time Test Ended: 10:08:56

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72 Great Bend/24

Interval: 3366.00 ft (KB) To 3390.00 ft (KB) (TVD)

Reference Elevations: 1917.00 ft (KB)

Total Depth: 3390.00 ft (KB) (TVD)

1906.00 ft (CF)

Hole Diameter: inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8960 Outside

Press@RunDepth: 142.98 psig @ 3387.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.02.26

End Date: 2016.02.26

Last Calib.: 1899.12.30

Start Time: 02:28:56

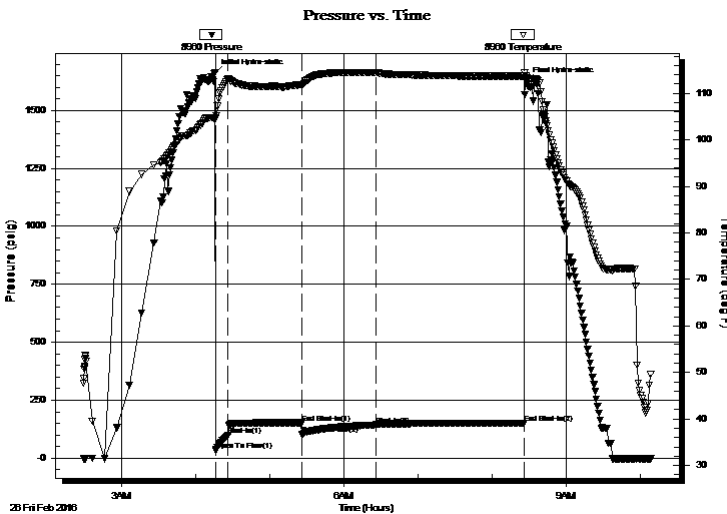
End Time: 10:08:56

Time On Btm: 2016.02.26 @ 04:14:56

Time Off Btm: 2016.02.26 @ 08:27:56

TEST COMMENT: Initial Flow 10 minutes/Blow built to 11 inches
Initial Shut In 60 minutes/Surface blow back died in 20 minutes
Final Flow 60 minutes/Blow built to 10 inches
Final Shut In 120 minutes/No blow back

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1660.14 | 104.75 | Initial Hydro-static |
| 1 | 32.78 | 104.50 | Open To Flow (1) |
| 11 | 97.86 | 113.03 | Shut-In(1) |
| 71 | 152.16 | 111.83 | End Shut-In(1) |
| 71 | 101.82 | 111.84 | Open To Flow (2) |
| 131 | 142.98 | 114.43 | Shut-In(2) |
| 251 | 151.90 | 113.67 | End Shut-In(2) |
| 253 | 1623.73 | 113.45 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------------------|--------------|
| 280.00 | Oil cut Muddy Water | 1.94 |
| 0.00 | Oil 1% Mud 20% Water 79% | 0.00 |
| 3.00 | Clean oil 100% | 0.04 |
| | | |
| | | |

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources LLC

23/18S/14W/Barton

2717 Canal Blvd
Hays Kansas 67601

MP #1-23

Job Ticket: 65080

DST#: 1

ATTN: Jeremy Schwartz

Test Start: 2016.02.26 @ 02:28:56

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|--------------------------|---------------|
| 280.00 | Oil cut Muddy Water | 1.943 |
| 0.00 | Oil 1% Mud 20% Water 79% | 0.000 |
| 3.00 | Clean oil 100% | 0.042 |

Total Length: 283.00 ft Total Volume: 1.985 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

