



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shelby Resources LLC  
 13949 W Colfax Ave  
 BLDG 1 Suite 120  
 Lakewood, CO 80401+3248  
 ATTN: Jeremy Schwartz

**26/18S/14W/Barton**  
**Tindall Trust #1-26**  
 Job Ticket: 64789 **DST#: 2**  
 Test Start: 2017.06.18 @ 03:11:00

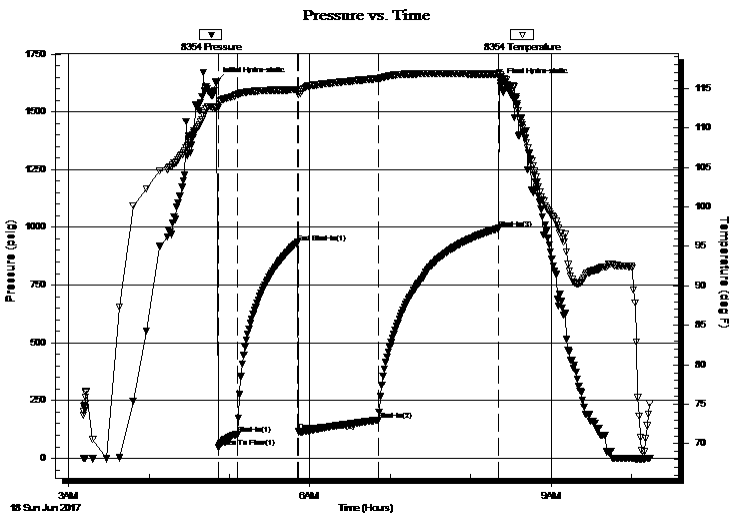
## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 04:51:30 Tester: Ken Swinney  
 Time Test Ended: 10:13:30 Unit No: 72 Great Bend/18  
 Interval: **3373.00 ft (KB) To 3409.00 ft (KB) (TVD)** Reference Elevations: 1906.00 ft (KB)  
 Total Depth: 3409.00 ft (KB) (TVD) 1895.00 ft (CF)  
 Hole Diameter: 7.80 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

**Serial #: 8354** **Inside**  
 Press@RunDepth: 102.30 psig @ 3405.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2017.06.18 End Date: 2017.06.18 Last Calib.: 2017.06.18  
 Start Time: 03:11:05 End Time: 10:13:29 Time On Btm: 2017.06.18 @ 04:50:30  
 Time Off Btm: 2017.06.18 @ 08:22:00

**TEST COMMENT:** I.F. 15 minutes/ Blow built to BOB in 10 minutes  
 I.S.I. 45 minutes/ Blow back built to 1 1/2 inch  
 F.F. 60 minutes/ Blow built to BOB in 12 minutes  
 F.S.I. 90 minutes/ Blow back built to 1/4 inch

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1632.50	112.54	Initial Hydro-static
1	46.13	112.56	Open To Flow (1)
15	102.30	114.22	Shut-In(1)
60	934.12	114.83	End Shut-In(1)
61	115.31	114.20	Open To Flow (2)
121	166.31	116.25	Shut-In(2)
210	994.75	116.79	Shut-In(3)
212	1625.62	116.71	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
189.00	Oily Mud/ Oil 20% Mud 80%	0.93
220.00	Gassy Oil/ Gas 30% Oil 70%	2.84
0.00	283 feet of GIP	0.00

## Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Shelby Resources LLC  
 13949 W Colfax Ave  
 BLDG 1 Suite 120  
 Lakewood, CO 80401+3248  
 ATTN: Jeremy Schwartz

**26/18S/14W/Barton**  
**Tindall Trust #1-26**  
 Job Ticket: 64789 **DST#: 2**  
 Test Start: 2017.06.18 @ 03:11:00

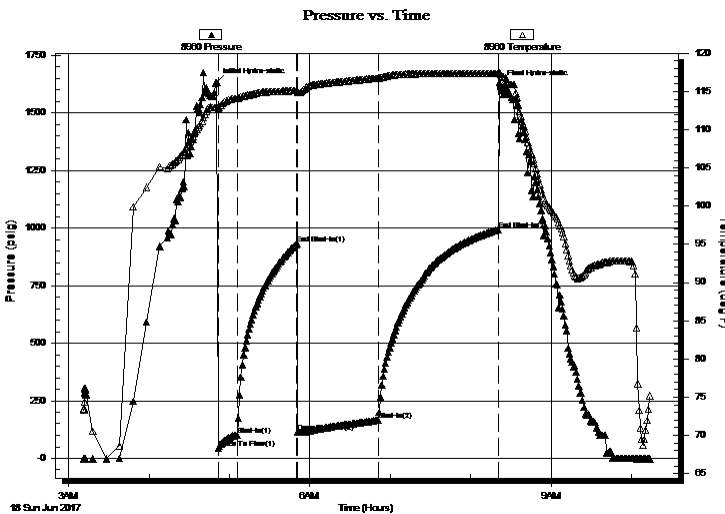
## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 04:51:30 Tester: Ken Swinney  
 Time Test Ended: 10:13:30 Unit No: 72 Great Bend/18  
 Interval: **3373.00 ft (KB) To 3409.00 ft (KB) (TVD)** Reference Elevations: 1906.00 ft (KB)  
 Total Depth: 3409.00 ft (KB) (TVD) 1895.00 ft (CF)  
 Hole Diameter: 7.80 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

**Serial #: 8960 Outside**  
 Press@RunDepth: 993.11 psig @ 3406.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2017.06.18 End Date: 2017.06.18 Last Calib.: 2017.06.18  
 Start Time: 03:11:05 End Time: 10:13:29 Time On Btm: 2017.06.18 @ 04:50:30  
 Time Off Btm: 2017.06.18 @ 08:22:00

**TEST COMMENT:** I.F. 15 minutes/ Blow built to BOB in 10 minutes  
 I.S.I. 45 minutes/ Blow back built to 1 1/2 inch  
 F.F. 60 minutes/ Blow built to BOB in 12 minutes  
 F.S.I. 90 minutes/ Blow back built to 1/4 inch

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1630.76	113.02	Initial Hydro-static
1	44.66	112.71	Open To Flow (1)
15	101.52	114.08	Shut-In(1)
60	930.67	115.13	End Shut-In(1)
61	115.25	114.86	Open To Flow (2)
121	165.76	116.74	Shut-In(2)
210	993.11	117.30	End Shut-In(2)
212	1623.68	117.38	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
189.00	Oily Mud/ Oil 20% Mud 80%	0.93
220.00	Gassy Oil/ Gas 30% Oil 70%	2.84
0.00	283 feet of GIP	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Shelby Resources LLC  
13949 W Colfax Ave  
BLDG 1 Suite 120  
Lakewood, CO 80401+3248  
ATTN: Jeremy Schwartz

**26/18S/14W/Barton**  
**Tindall Trust #1-26**  
Job Ticket: 64789      **DST#: 2**  
Test Start: 2017.06.18 @ 03:11:00

## 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: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3400.00 ppm			
Filter Cake: 2.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
189.00	Oily Mud/ Oil 20% Mud 80%	0.929
220.00	Gassy Oil/ Gas 30% Oil 70%	2.840
0.00	283 feet of GIP	0.000

Total Length: 409.00 ft      Total Volume: 3.769 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

