



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Bickle Energies

**23-4S-27W Decatur KS**

2052 250th Ave.  
Hays KS 67601

**Lyc #23-1**

Job Ticket: 62139

**DST#: 2**

ATTN: Eli Fells / Jeff Bur

Test Start: 2015.01.02 @ 11:07:00

## GENERAL INFORMATION:

Formation: **Howard Lime**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:59:50

Time Test Ended: 18:43:39

Test Type: Conventional Bottom Hole (Initial)

Tester: Donovan Baumann

Unit No: 78

**Interval: 3253.00 ft (KB) To 3270.00 ft (KB) (TVD)**

Reference Elevations: 2574.00 ft (KB)

Total Depth: 3270.00 ft (KB) (TVD)

2567.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

**Serial #: 6752 Inside**

Press @ Run Depth: 48.17 psig @ 3254.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.01.02 End Date: 2015.01.02

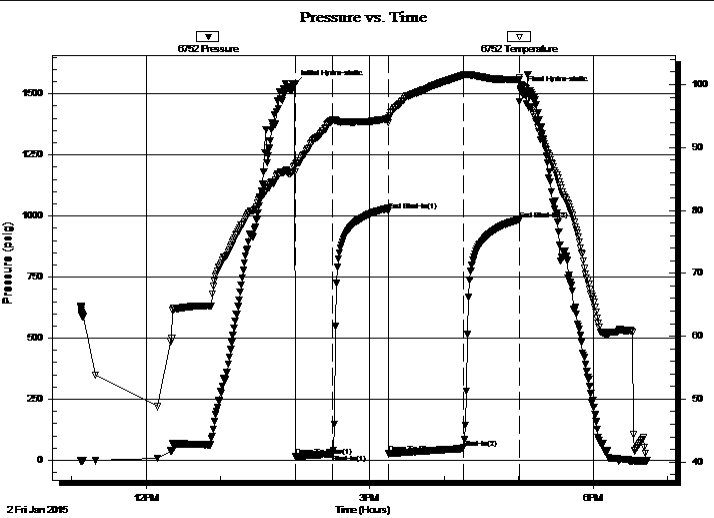
Last Calib.: 2015.01.02

Start Time: 11:07:01 End Time: 18:43:40

Time On Btm: 2015.01.02 @ 13:59:40

Time Off Btm: 2015.01.02 @ 17:01:30

**TEST COMMENT:** 30 - IF - Strong surface blow built up to 5 in. in 30 min. ( In Diesel )  
45 - ISI - Real weak return started 6 min. in and stayed for the shut-in  
60 - FF - Weak surface blow built to 5 1/2 in. in 60 min.  
45 - FSI - No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1538.66	87.04	Initial Hydro-static
1	17.56	86.17	Open To Flow (1)
31	26.15	94.34	Shut-In(1)
76	1022.54	94.51	End Shut-In(1)
76	27.25	93.98	Open To Flow (2)
136	48.17	101.48	Shut-In(2)
181	985.66	100.80	End Shut-In(2)
182	1514.51	99.98	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
75.00	WCM - 45W - 55M	1.05

## Gas Rates

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



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**FLUID SUMMARY**

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## 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: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
75.00	WCM - 45W - 55M	1.052

Total Length: 75.00 ft      Total Volume: 1.052 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

