



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Mustang Energy Corporation

**25- 14s- 29w Gove Co.**

PO Box 1121  
Hays, KS 67601

**Evans Unit #1**

Job Ticket: 56372

**DST#: 3**

ATTN: Herb Deines

Test Start: 2014.03.25 @ 04:17:00

## GENERAL INFORMATION:

Formation: **" K & L "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:39:15

Time Test Ended: 13:05:15

Test Type: Conventional Straddle (Reset)

Tester: Samuel Esparza

Unit No: 71

**Interval: 3970.00 ft (KB) To 4088.00 ft (KB) (TVD)**

Reference Elevations: 2620.00 ft (KB)

Total Depth: 4385.00 ft (KB) (TVD)

2613.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

**Serial #: 8845**

**Inside**

Press@RunDepth: 246.73 psig @ 3971.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.25

End Date:

2014.03.25

Last Calib.:

2014.03.25

Start Time: 04:17:05

End Time:

13:05:15

Time On Btm:

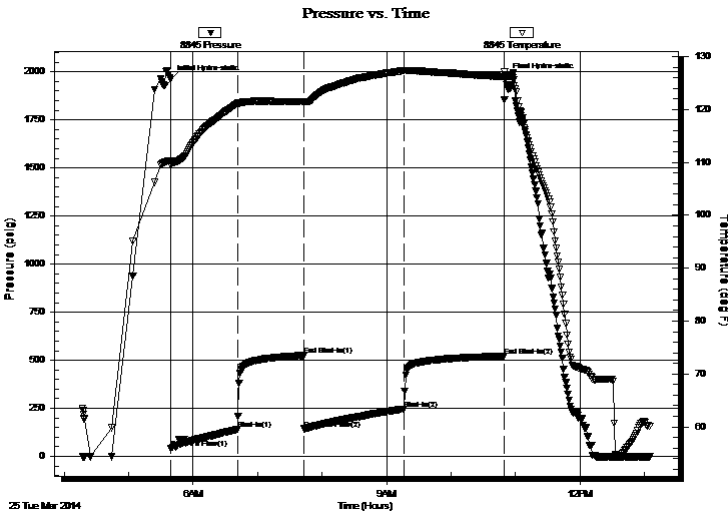
2014.03.25 @ 05:39:00

Time Off Btm:

2014.03.25 @ 10:50:45

TEST COMMENT: IF: BOB @ 18 min.  
IS: No Return.  
FF: BOB @ 30 min.  
FS: Weak Surface Return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1961.99	110.33	Initial Hydro-static
1	41.25	109.47	Open To Flow (1)
63	141.32	121.19	Shut-In(1)
124	525.01	121.50	End Shut-In(1)
125	143.06	121.32	Open To Flow (2)
218	246.73	127.35	Shut-In(2)
311	521.38	126.23	End Shut-In(2)
312	1969.38	126.35	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	GMCW 5m 10g 85w	1.41
240.00	GOWCM 10g 10o 35w 45m	3.37
75.00	GOWCM 5g 15o 20w 60m	1.05

\* Recovery from multiple tests

## Gas Rates

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



# TRILLOBITE TESTING, INC

## DRILL STEM TEST REPORT

Mustang Energy Corporation

**25- 14s- 29w Gove Co.**

PO Box 1121  
Hays, KS 67601

**Evans Unit #1**

Job Ticket: 56372 **DST#: 3**

ATTN: Herb Deines

Test Start: 2014.03.25 @ 04:17:00

### GENERAL INFORMATION:

Formation: **" K & L "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:39:15

Time Test Ended: 13:05:15

Test Type: Conventional Straddle (Reset)

Tester: Samuel Esparza

Unit No: 71

**Interval: 3970.00 ft (KB) To 4088.00 ft (KB) (TVD)**

Reference Elevations: 2620.00 ft (KB)

Total Depth: 4385.00 ft (KB) (TVD)

2613.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

**Serial #: 8167 Below (Straddle)**

Press@RunDepth: psig @ 4097.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.25 End Date: 2014.03.25

Last Calib.: 2014.03.25

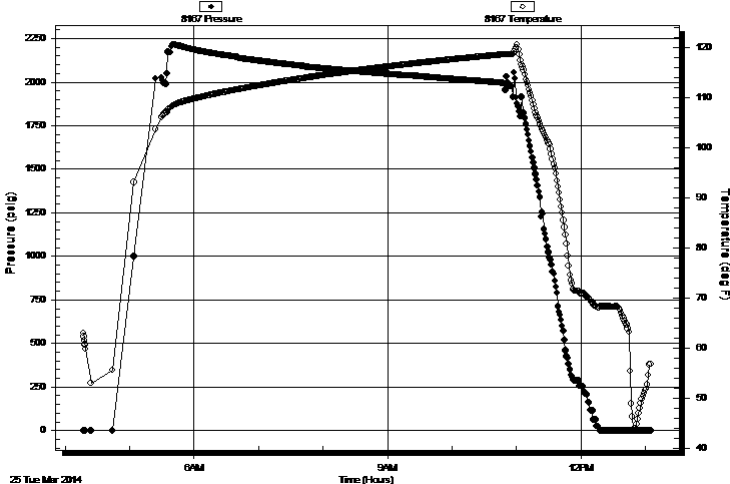
Start Time: 04:17:05 End Time: 13:05:15

Time On Btm:

Time Off Btm:

**TEST COMMENT:** IF: BOB @ 18 min.  
IS: No Return.  
FF: BOB @ 30 min.  
FS: Weak Surface Return.

Pressure vs. Time



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

### Recovery

Length (ft)	Description	Volume (bbl)
120.00	GMCW 5m 10g 85w	1.41
240.00	GOWCM 10g 10o 35w 45m	3.37
75.00	GOWCM 5g 15o 20w 60m	1.05

\* Recovery from multiple tests

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Mustang Energy Corporation

**25- 14s- 29w Gove Co.**

PO Box 1121  
Hays, KS 67601

**Evans Unit #1**

Job Ticket: 56372

**DST#: 3**

ATTN: Herb Deines

Test Start: 2014.03.25 @ 04:17:00

## 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:

65000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1750.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	GMCW 5m 10g 85w	1.410
240.00	GOWCM 10g 10o 35w 45m	3.367
75.00	GOWCM 5g 15o 20w 60m	1.052

Total Length: 435.00 ft      Total Volume: 5.829 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Water Salinity: .150 @ 52 degrees= 65,000 ppm

### Pressure vs. Time

