

TRILOBITE  
TESTING, INC.

# DRILL STEM TEST REPORT

McElvain Energy inc.

**25-11s-23w Trego**

1050 17th st.  
STE 2500  
Denver Co. 80265+2080  
ATTN: Richard Bell

**Hemmert 25-5 #1**

Job Ticket: 45700      **DST#: 3**  
Test Start: 2012.02.27 @ 13:29:05

### GENERAL INFORMATION:

Formation: **LKC"J,K,L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:06:50

Time Test Ended: 19:39:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Andy Carreira

Unit No: 39

**Interval: 3731.00 ft (KB) To 3800.00 ft (KB) (TVD)**

Reference Elevations: 2301.00 ft (KB)

Total Depth: 3800.00 ft (KB) (TVD)

2296.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8352      Outside**

Press @ Run Depth: 94.14 psig @ 3738.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.02.27      End Date: 2012.02.27

Last Calib.: 2012.02.27

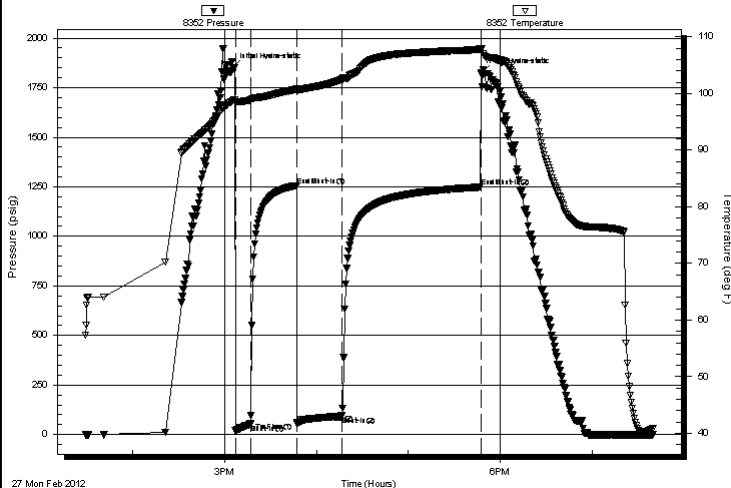
Start Time: 13:29:05      End Time: 19:39:50

Time On Btm: 2012.02.27 @ 15:05:20

Time Off Btm: 2012.02.27 @ 17:47:50

**TEST COMMENT:** IF:(10min) 3" Blow .  
IS:(30min) No Return.  
FF:(30min) 3" Blow in 14 min.  
FS:(90min) No Return

Pressure vs. Time



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1852.87	98.71	Initial Hydro-static
2	18.63	98.36	Open To Flow (1)
12	53.18	98.83	Shut-In(1)
42	1256.13	100.75	End Shut-In(1)
42	56.94	100.41	Open To Flow (2)
72	94.14	102.47	Shut-In(2)
162	1247.91	107.84	End Shut-In(2)
163	1824.14	107.97	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
170.00	MW m=40% w=60%	1.27

\* Recovery from multiple tests

### 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: lb/gal	Cushion Length: ft	Water Salinity:	27000 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.80 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1600.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
170.00	MW m=40% w =60%	1.268

Total Length: 170.00 ft      Total Volume: 1.268 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: Resistivity- .28 @ 60 deg=28000

Sampler Data- m=600ml w =2400ml pressure=48lbs

