



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

McElvain Energy Inc  
 1050 17th St  
 STE 2500  
 Denver Co 80265-2080  
 ATTN: Jim McKinney, Rodney

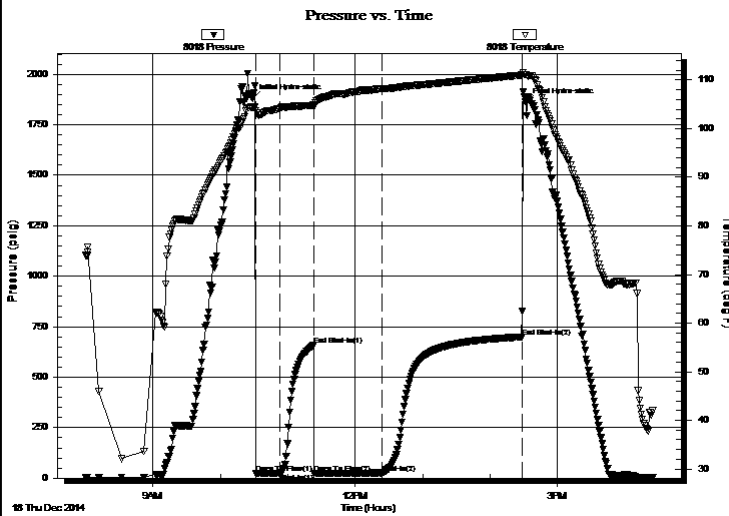
**3-12s-21w Trego**  
**Spalsbury 3-2#1**  
 Job Ticket: 61139 **DST#: 6**  
 Test Start: 2014.12.18 @ 08:00:09

## GENERAL INFORMATION:

Formation: **Pawnee**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 10:31:34  
 Time Test Ended: 16:24:33  
 Interval: **3904.00 ft (KB) To 3925.00 ft (KB) (TVD)**  
 Total Depth: 3925.00 ft (KB) (TVD)  
 Hole Diameter: 7.85 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Ray Schwager  
 Unit No: 70  
 Reference Elevations: 2315.00 ft (KB)  
 2305.00 ft (CF)  
 KB to GR/CF: 10.00 ft

**Serial #: 8018 Inside**  
 Press@RunDepth: 25.73 psig @ 3905.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.12.18 End Date: 2014.12.18 Last Calib.: 2014.12.18  
 Start Time: 08:00:09 End Time: 16:24:33 Time On Btm: 2014.12.18 @ 10:28:34  
 Time Off Btm: 2014.12.18 @ 14:32:03

TEST COMMENT: 20-IFP-w k bl thru-out 1/4"to 3/4"bl  
 30-ISIP-no bl  
 60-FFP-w k bl thru-out 1/4"bl  
 120-FSIP-no bl



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1880.72	104.38	Initial Hydro-static
3	24.04	103.64	Open To Flow (1)
24	22.96	104.19	Shut-In(1)
55	657.49	104.83	End Shut-In(1)
55	24.44	104.64	Open To Flow (2)
115	25.73	108.21	Shut-In(2)
240	699.08	111.01	End Shut-In(2)
244	1857.54	111.06	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	CO	0.01
15.00	O&GCM 5%G25%O70%M	0.21

\* 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  
Mud Weight: 9.00 lb/gal  
Viscosity: 61.00 sec/qt  
Water Loss: 7.40 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 2700.00 ppm  
Filter Cake: 1.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: deg API  
Water Salinity: ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	CO	0.014
15.00	O&GCM 5%G25%O70%M	0.210

Total Length: 16.00 ft      Total Volume: 0.224 bbl

Num Fluid Samples: 0

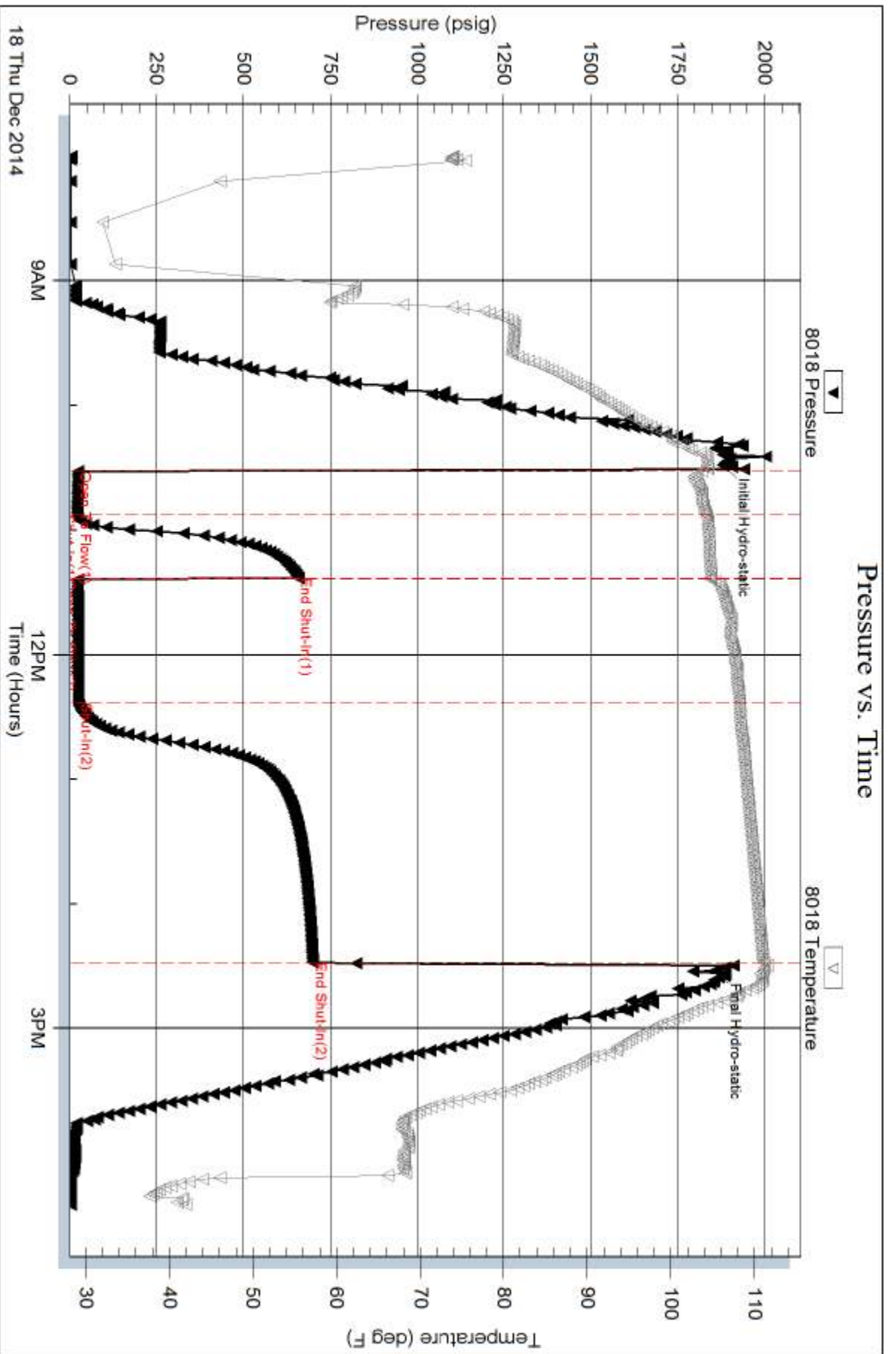
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data : PSI:70# 200MLgas 800MLoil 100MLmud



Serial #: 8374

Fluid

McElvain Energy Inc

Spalsbury 3-2#1

DST Test Number: 6

