



**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: 61136 **DST#: 3**  
 Test Start: 2014.12.16 @ 16:00:27

## GENERAL INFORMATION:

Formation: **LKC I-K**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 18:00:22  
 Time Test Ended: 01:04:22  
 Interval: **3755.00 ft (KB) To 3810.00 ft (KB) (TVD)**  
 Total Depth: 3810.00 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

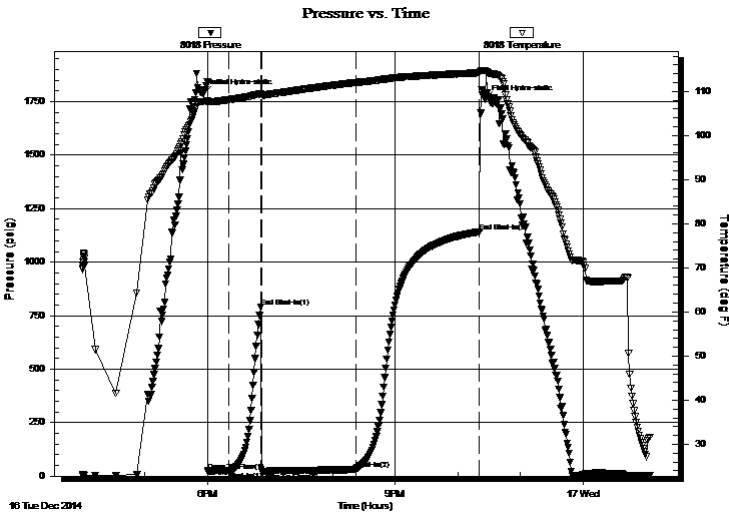
## Serial #: 8018

Inside

Press@RunDepth: 33.69 psig @ 3757.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.12.16 End Date: 2014.12.17 Last Calib.: 2014.12.17  
 Start Time: 16:00:27 End Time: 01:04:22 Time On Btm: 2014.12.16 @ 17:56:22  
 Time Off Btm: 2014.12.16 @ 22:25:51

TEST COMMENT: 20-IFP-w k bl thru-out 1/4"to 1"bl  
 30-ISIP-no bl  
 90-FFP-w k to a gd bl 2"to 7 1/4"bl  
 120-FSIP-no bl

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1788.89	107.65	Initial Hydro-static
4	23.65	107.45	Open To Flow (1)
25	22.03	108.13	Shut-In(1)
55	789.23	109.46	End Shut-In(1)
56	19.66	109.22	Open To Flow (2)
146	33.69	112.00	Shut-In(2)
265	1142.60	114.22	End Shut-In(2)
270	1761.55	114.76	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	295' GIP	0.00
5.00	CO	0.07
15.00	O&GCM 10%G25%O65%M	0.21

\* Recovery from multiple tests

## Gas Rates

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



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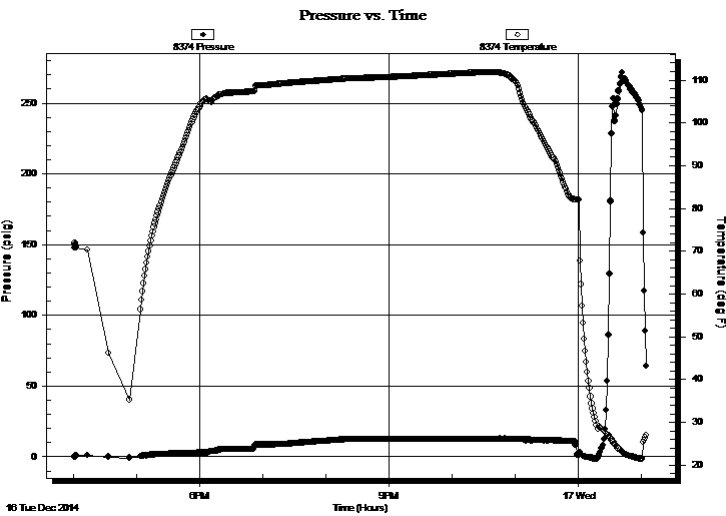
**3-12s-21w Trego**  
**Spalsbury 3-2#1**  
 Job Ticket: 61136 **DST#: 3**  
 Test Start: 2014.12.16 @ 16:00:27

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 Total Depth: 3810.00 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 #: 8374 Fluid**  
 Press@RunDepth: psig @ 3719.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.12.16 End Date: 2014.12.17 Last Calib.: 2014.12.17  
 Start Time: 16:00:57 End Time: 01:04:52 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** 20-IFP-w k bl thru-out 1/4"to 1"bl  
 30-ISIP-no bl  
 90-FFP-w k to a gd bl 2"to 7 1/4"bl  
 120-FSIP-no bl



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	295' GIP	0.00
5.00	CO	0.07
15.00	O&GCM 10%G25%O65%M	0.21

## Gas Rates

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

\* Recovery from multiple tests



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**FLUID SUMMARY**

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STE 2500  
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**Spalsbury 3-2#1**

Job Ticket: 61136

**DST#: 3**

Test Start: 2014.12.16 @ 16:00:27

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 52.00 sec/qt  
Water Loss: 7.40 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 2600.00 ppm  
Filter Cake: 1.00 inches

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

Oil API: 38 deg API  
Water Salinity: ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	295' GIP	0.000
5.00	CO	0.070
15.00	O&GCM 10%G25%O65%M	0.210

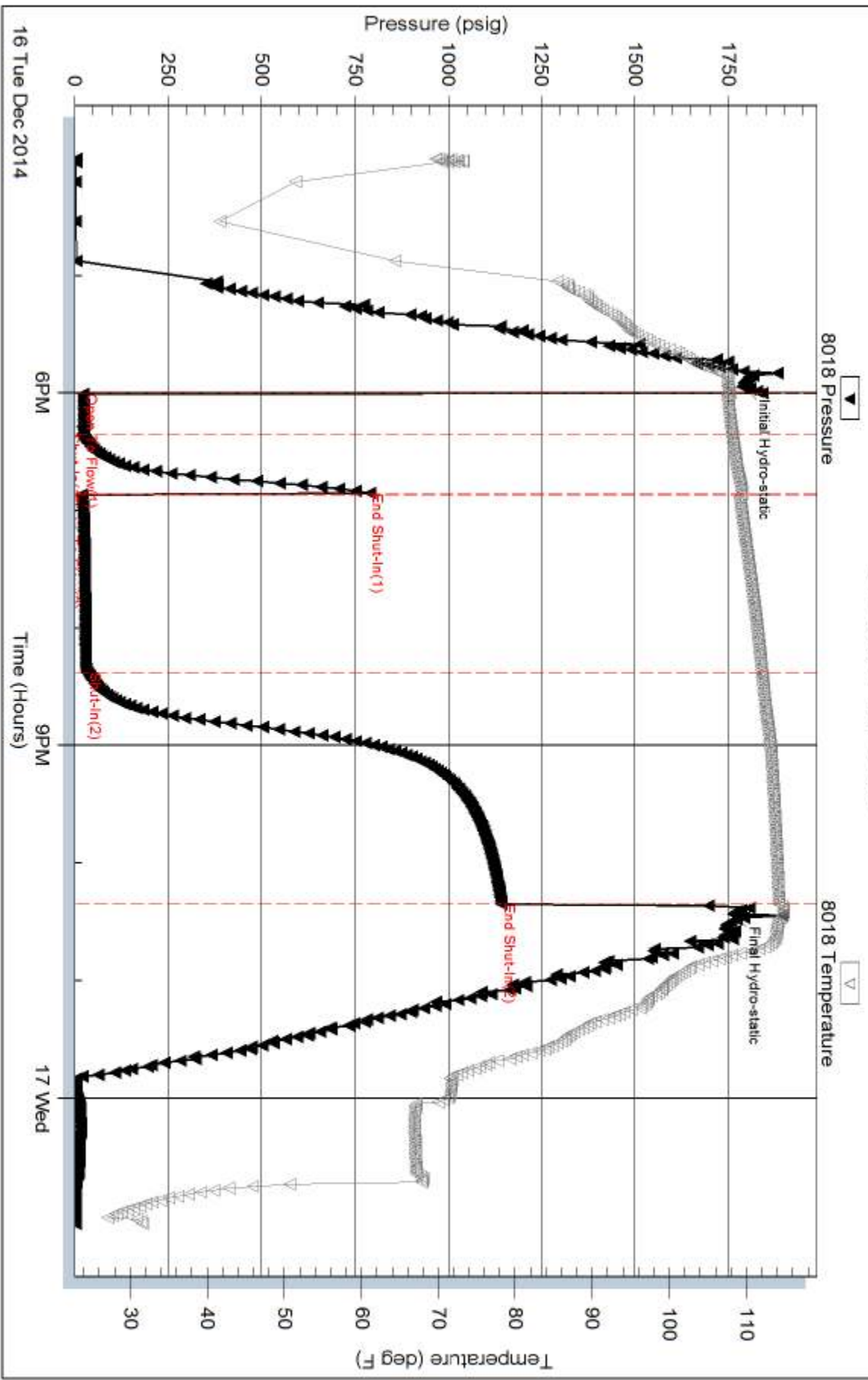
Total Length: 20.00 ft      Total Volume: 0.280 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: Sampler Data: PSI:50 # 500MLoil 200ML gas 1300ML mud

### Pressure vs. Time



Serial #: 8374

Fluid

McElvain Energy Inc

Spalsbury 3-2#1

DST Test Number: 3

