



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates

12-11s-22w Trego KS

1515 Wynkoop Dr. STE 700
Denver CO, 80202

Walz Family 1-12

Job Ticket: 56074

DST#: 2

ATTN: Dan Pritchard

Test Start: 2014.02.17 @ 05:47:00

GENERAL INFORMATION:

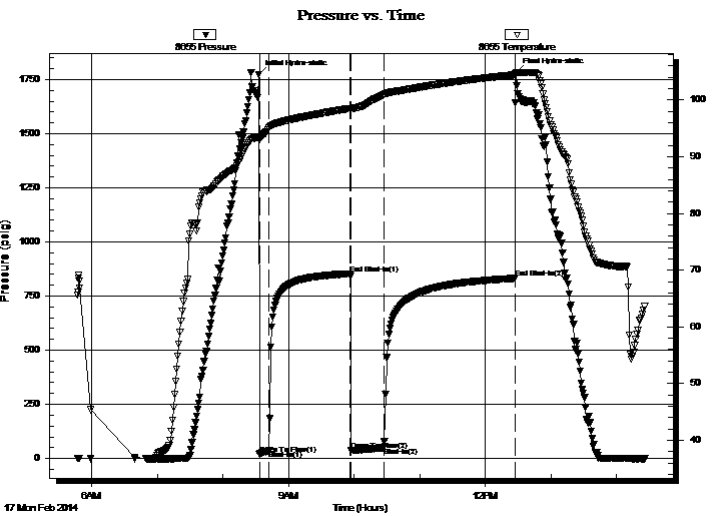
Formation: **LKC "G"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:33:15
 Time Test Ended: 14:25:45
 Interval: **3536.00 ft (KB) To 3574.00 ft (KB) (TVD)**
 Total Depth: 3574.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Cody Bloedorn
 Unit No: 73
 Reference Elevations: 2184.00 ft (KB)
 2176.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8655

Outside

Press@RunDepth: 49.50 psig @ 3571.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.02.17 End Date: 2014.02.17 Last Calib.: 2014.02.17
 Start Time: 05:47:05 End Time: 14:25:45 Time On Btm: 2014.02.17 @ 08:33:00
 Time Off Btm: 2014.02.17 @ 12:28:15

TEST COMMENT: 10 - IF- 1.5" blow
 75 - IS- No return
 30 - FF- 3/4" blow
 120 - FS- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1774.20	93.50	Initial Hydro-static
1	20.92	93.01	Open To Flow (1)
10	36.91	95.16	Shut-In(1)
84	853.34	98.53	End Shut-In(1)
85	38.13	98.43	Open To Flow (2)
114	49.50	100.90	Shut-In(2)
235	832.07	104.44	End Shut-In(2)
236	1782.93	104.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
67.00	MW, 40%M, 60%W	0.67

* Recovery from multiple tests

Gas Rates

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



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Tester: Cody Bloedorn

Unit No: 73

Interval: **3536.00 ft (KB) To 3574.00 ft (KB) (TVD)**

Reference Elevations: 2184.00 ft (KB)

Total Depth: 3574.00 ft (KB) (TVD)

2176.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8875 Fluid

Press@RunDepth: psig @ 3500.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.02.17 End Date: 2014.02.17

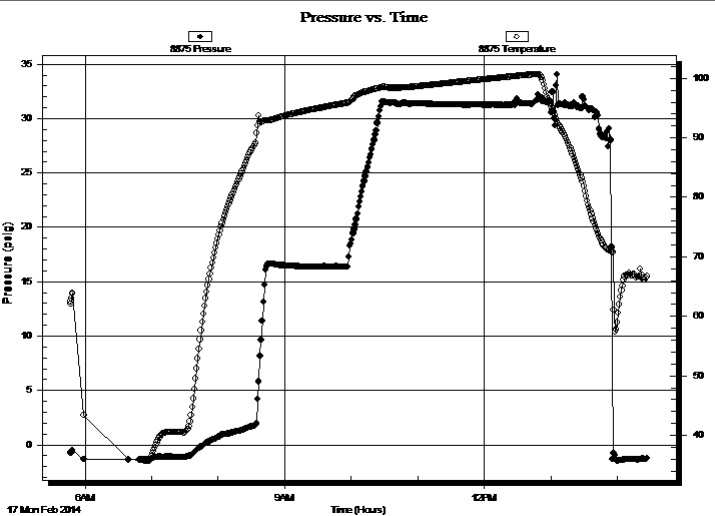
Last Calib.: 2014.02.17

Start Time: 05:47:05 End Time: 14:27:15

Time On Btm:

Time Off Btm:

TEST COMMENT: 10 - IF- 1.5" blow
75 - IS- No return
30 - FF- 3/4" blow
120 - FS- No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
67.00	MW, 40%M, 60%W	0.67

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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1515 Wynkoop Dr. STE 700
Denver CO, 80202

Walz Family 1-12

Job Ticket: 56074

DST#: 2

ATTN: Dan Pritchard

Test Start: 2014.02.17 @ 05:47:00

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:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
67.00	MW, 40%M, 60%W	0.667

Total Length: 67.00 ft Total Volume: 0.667 bbl

Num Fluid Samples: 0

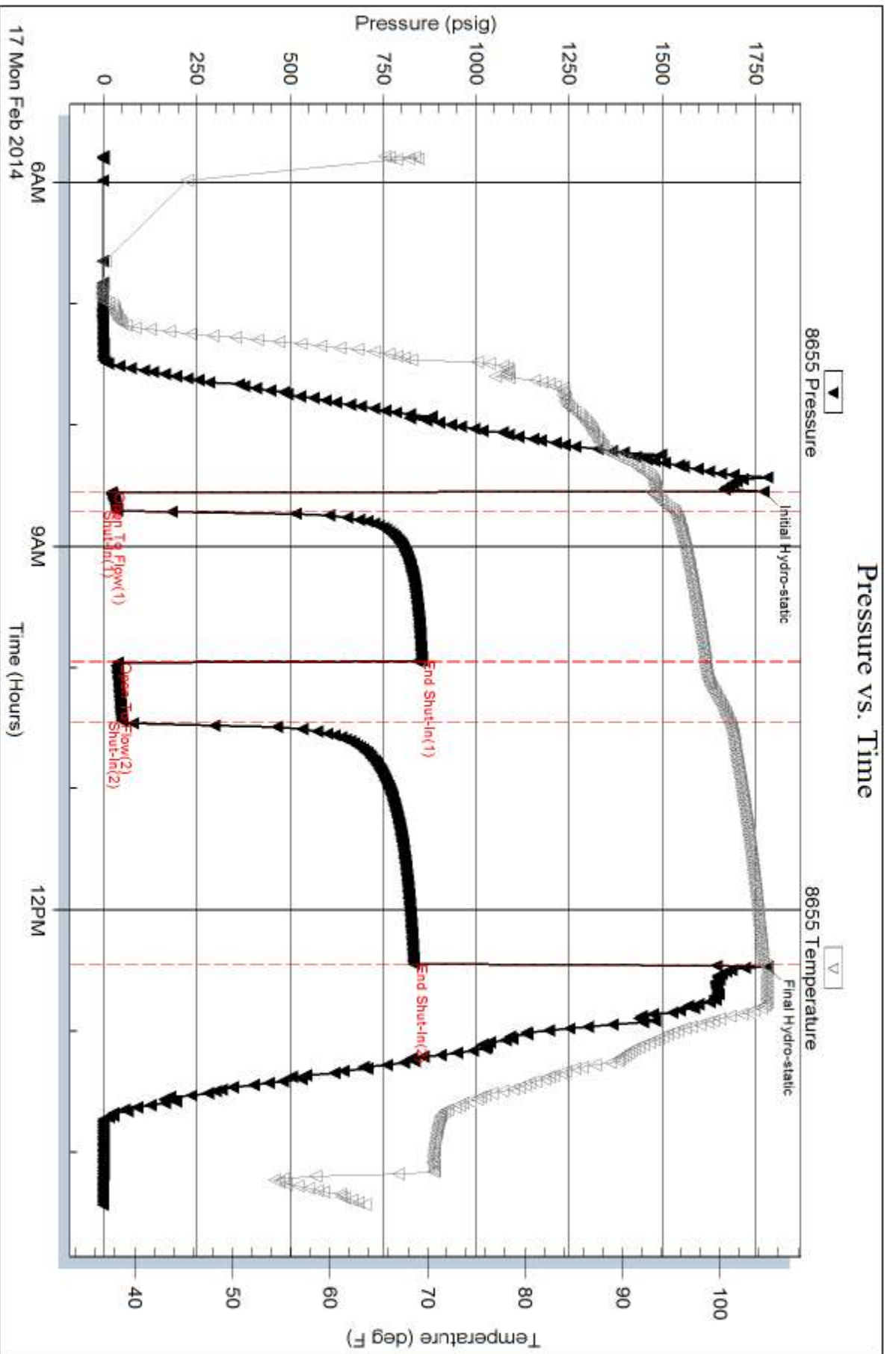
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler: PSI: 70, 200ML M, and 1800ML W



Serial #: 8875

Fluid

Samuel Gary Jr. & Associates

Walz Family 1-12

DST Test Number: 2

