



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Samuel Gary Jr & Associates

**20-12s-22w Trego**

1515 Wynkoop St.  
STE 700  
Denver, Co 80202  
ATTN: Chris Mitchell

**Staab Trust #1-20**

Job Ticket: 54087

**DST#: 2**

Test Start: 2014.03.19 @ 19:25:29

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:33:39

Time Test Ended: 04:14:16

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 70

**Interval: 4012.00 ft (KB) To 4060.00 ft (KB) (TVD)**

Reference Elevations: 2423.00 ft (KB)

Total Depth: 4060.00 ft (KB) (TVD)

2415.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8369 Inside**

Press@RunDepth: 67.40 psig @ 4014.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.19

End Date:

2014.03.20

Last Calib.:

2014.03.20

Start Time: 19:25:29

End Time:

04:14:16

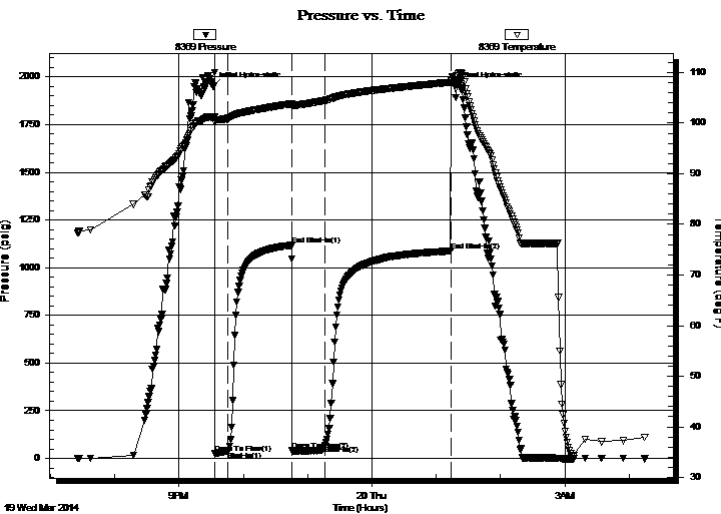
Time On Btm:

2014.03.19 @ 21:31:24

Time Off Btm:

2014.03.20 @ 01:17:38

**TEST COMMENT:** 10-IFP-w k bl thru-out 1/2"to 3/4"bl  
60-ISIP-no bl  
30-FFP-w k bl thru-out 1/4"to 1/2"bl  
120-FSIP-no bl



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1950.17	101.09	Initial Hydro-static
3	24.79	100.25	Open To Flow (1)
14	38.41	100.86	Shut-In(1)
74	1117.63	103.83	End Shut-In(1)
74	40.56	103.49	Open To Flow (2)
105	67.40	104.48	Shut-In(2)
223	1087.62	108.09	End Shut-In(2)
227	1948.81	108.43	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
50.00	HO&GCM 5%G55%M40%O	0.43
0.00	75'GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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



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 KB to GR/CF: 8.00 ft

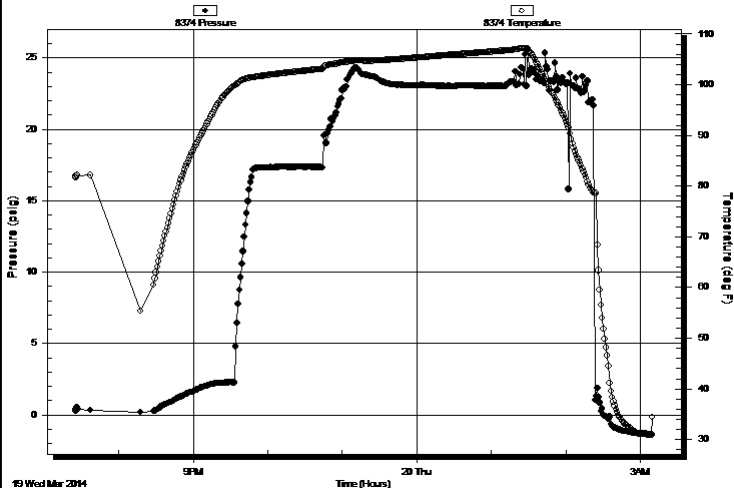
### Serial #: 8374

### Fluid

Press@RunDepth: psig @ 3976.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.03.19 End Date: 2014.03.20 Last Calib.: 2014.03.20  
 Start Time: 19:25:35 End Time: 03:09:44 Time On Btm:  
 Time Off Btm:

TEST COMMENT: 10-IFP-w k bl thru-out 1/2"to 3/4"bl  
 60-ISIP-no bl  
 30-FFP-w k bl thru-out 1/4"to 1/2"bl  
 120-FSIP-no bl

Pressure vs. Time



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
50.00	HO&GCM 5%G55%M40%O	0.43
0.00	75'GIP	0.00

### Gas Rates

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

\* Recovery from multiple tests



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## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 50.00 sec/qt  
Water Loss: 8.35 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 1500.00 ppm  
Filter Cake: 1.00 inches

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

Oil API: 36 deg API  
Water Salinity: ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	HO&GCM 5%G55%M40%O	0.428
0.00	75'GIP	0.000

Total Length: 50.00 ft Total Volume: 0.428 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Sampler Data: PSI 175# 100MLgas 800MLoil 1100ML mud

Serial #: 8369

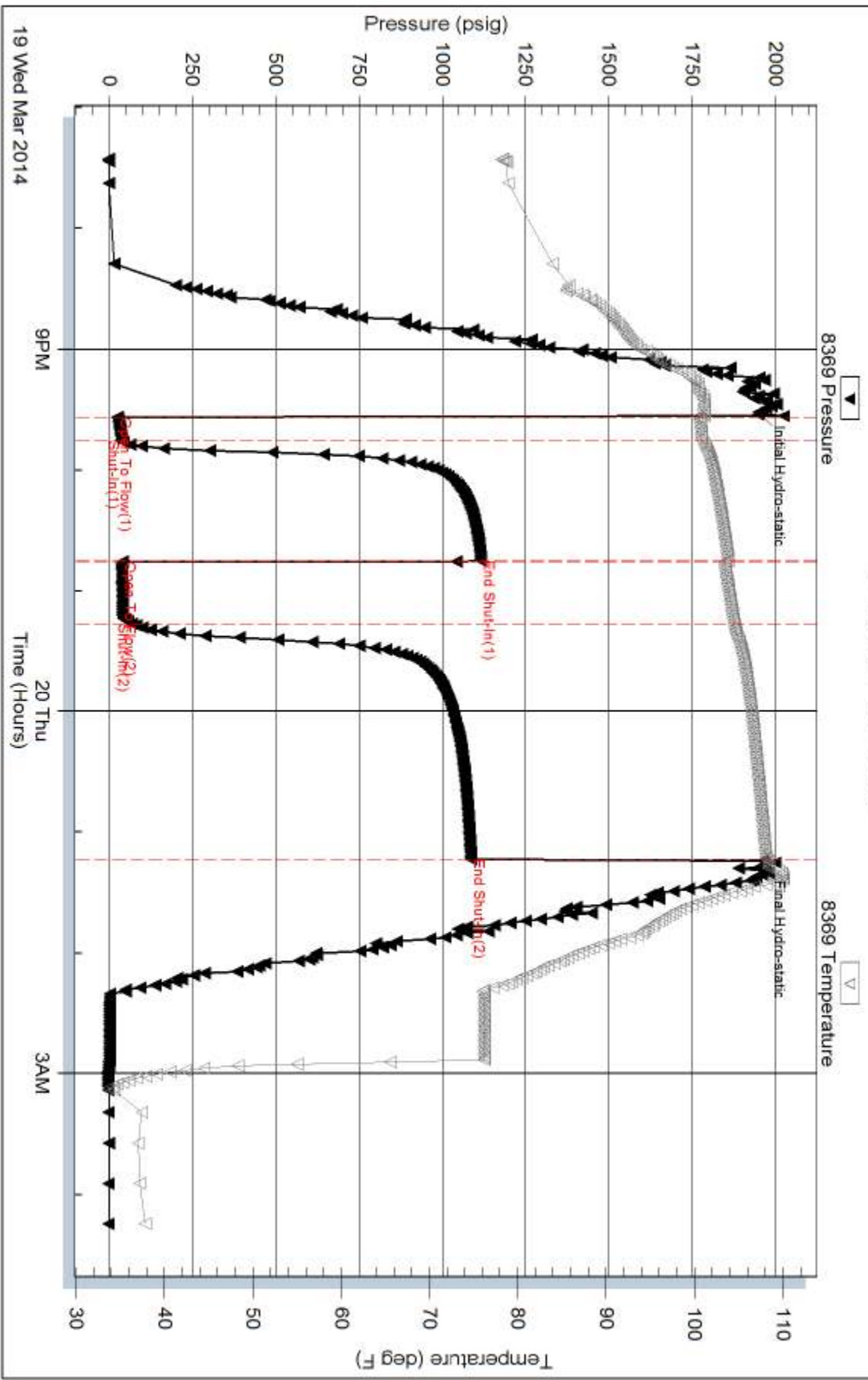
Inside

Samuel Gary Jr & Associates

Saab Trust #1-20

DST Test Number: 2

### Pressure vs. Time



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Ref. No: 54087

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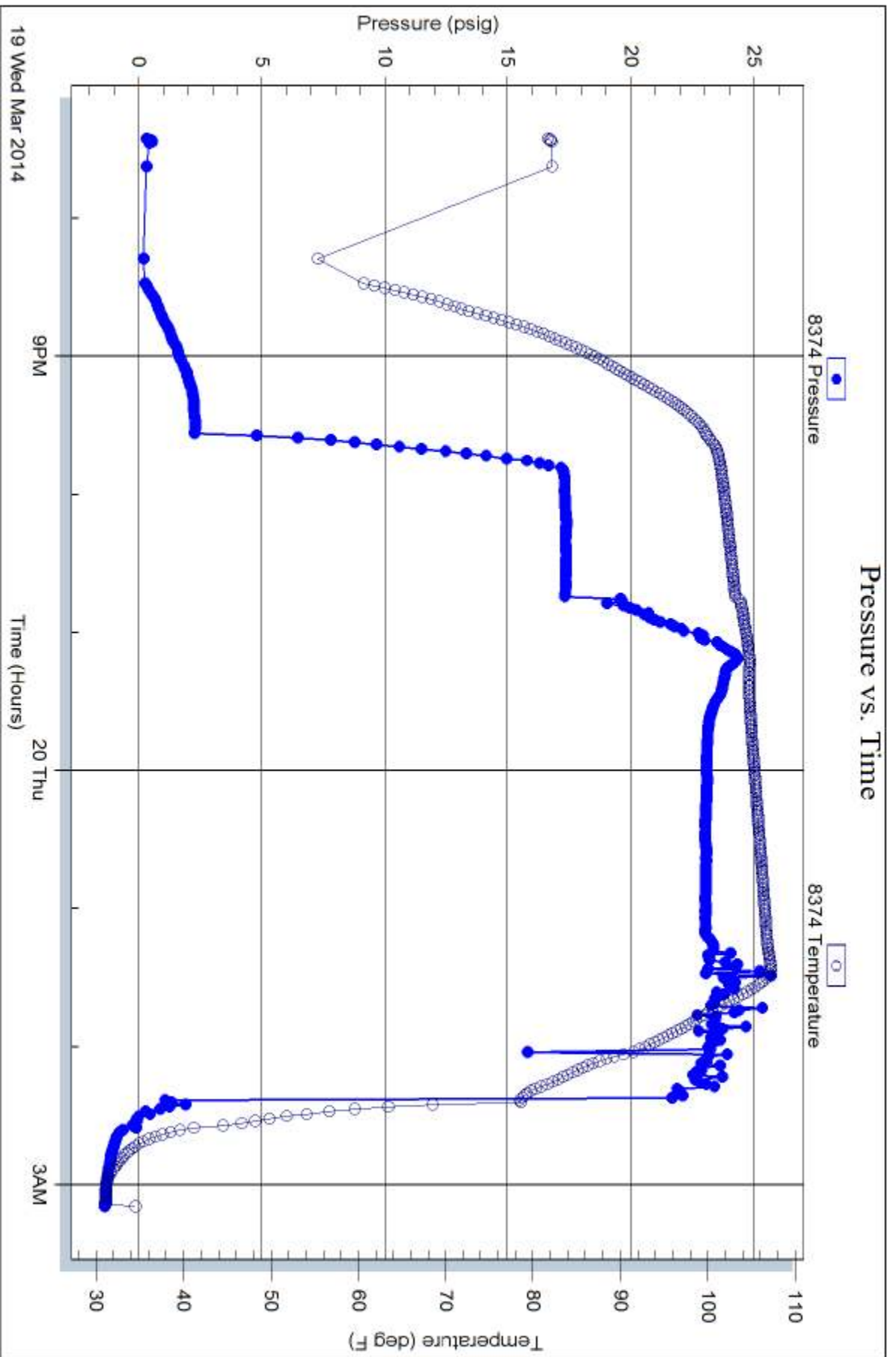
Serial #: 8374

Fluid

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