



**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: 54086

DST#: 1

Test Start: 2014.03.18 @ 00:40:36

GENERAL INFORMATION:

Formation: **LKC C-D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:45:46

Time Test Ended: 08:40:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 70

Interval: 3694.00 ft (KB) To 3758.00 ft (KB) (TVD)

Reference Elevations: 2423.00 ft (KB)

Total Depth: 3758.00 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: 64.67 psig @ 3696.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.18

End Date:

2014.03.18

Last Calib.:

2014.03.18

Start Time: 00:40:36

End Time:

08:40:30

Time On Btm:

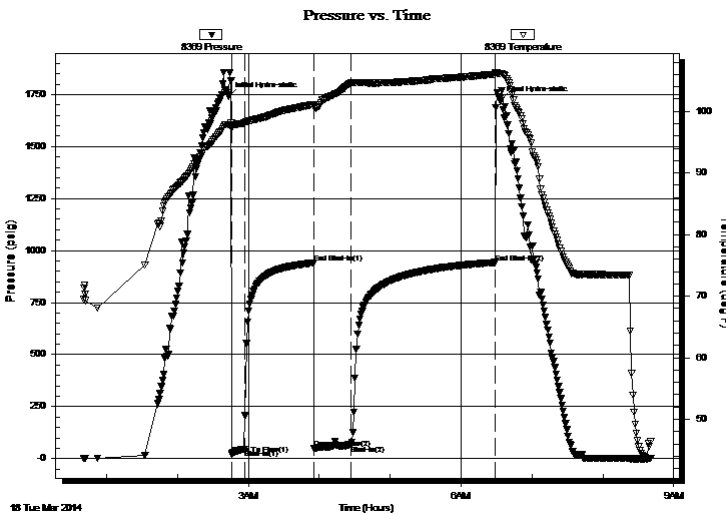
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Time Off Btm:

2014.03.18 @ 06:33:15

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

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1740.87	97.83	Initial Hydro-static
3	21.59	97.15	Open To Flow (1)
14	45.35	98.11	Shut-In(1)
72	941.06	101.13	End Shut-In(1)
73	50.25	100.74	Open To Flow (2)
104	64.67	104.63	Shut-In(2)
226	942.53	106.04	End Shut-In(2)
230	1719.10	106.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	MW 40%M60%W w /show of oil	0.99

Gas Rates

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



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Unit No: 70

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Reference Elevations: 2423.00 ft (KB)

Total Depth: 3758.00 ft (KB) (TVD)

2415.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8374 Fluid

Press@RunDepth: psig @ 3658.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.18

End Date:

2014.03.18

Last Calib.:

2014.03.18

Start Time: 00:40:28

End Time:

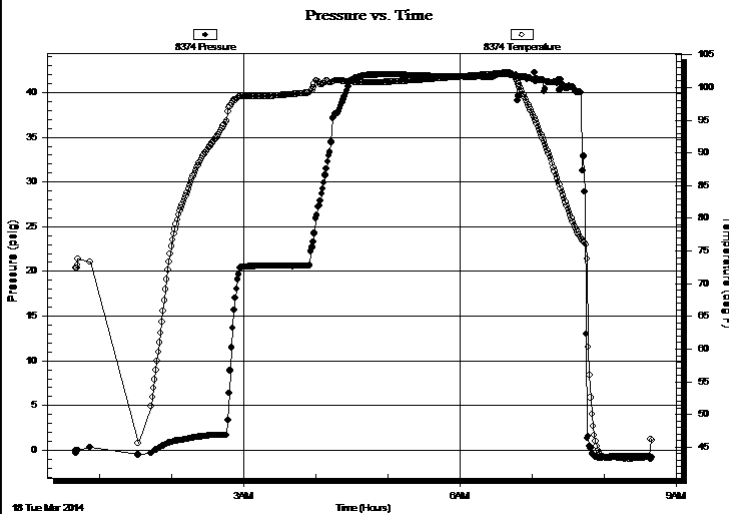
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Time On Btm:

Time Off Btm:

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

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
90.00	MW 40%M60%W w/show of oil	0.99

Gas Rates

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



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DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr & Associates

20-12s-22w Trego

1515 Wynkoop St.
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Staab Trust #1-20

Job Ticket: 54086

DST#: 1

Test Start: 2014.03.18 @ 00:40:36

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 57.00 sec/qt

Water Loss: 7.59 in³

Resistivity: ohm.m

Salinity: 1250.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: 65000 ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	MW 40%M60%W w/show of oil	0.989

Total Length: 90.00 ft Total Volume: 0.989 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data: PSI 140# 800ML mud 1200 ML w water trace of oil
RW .16@50F

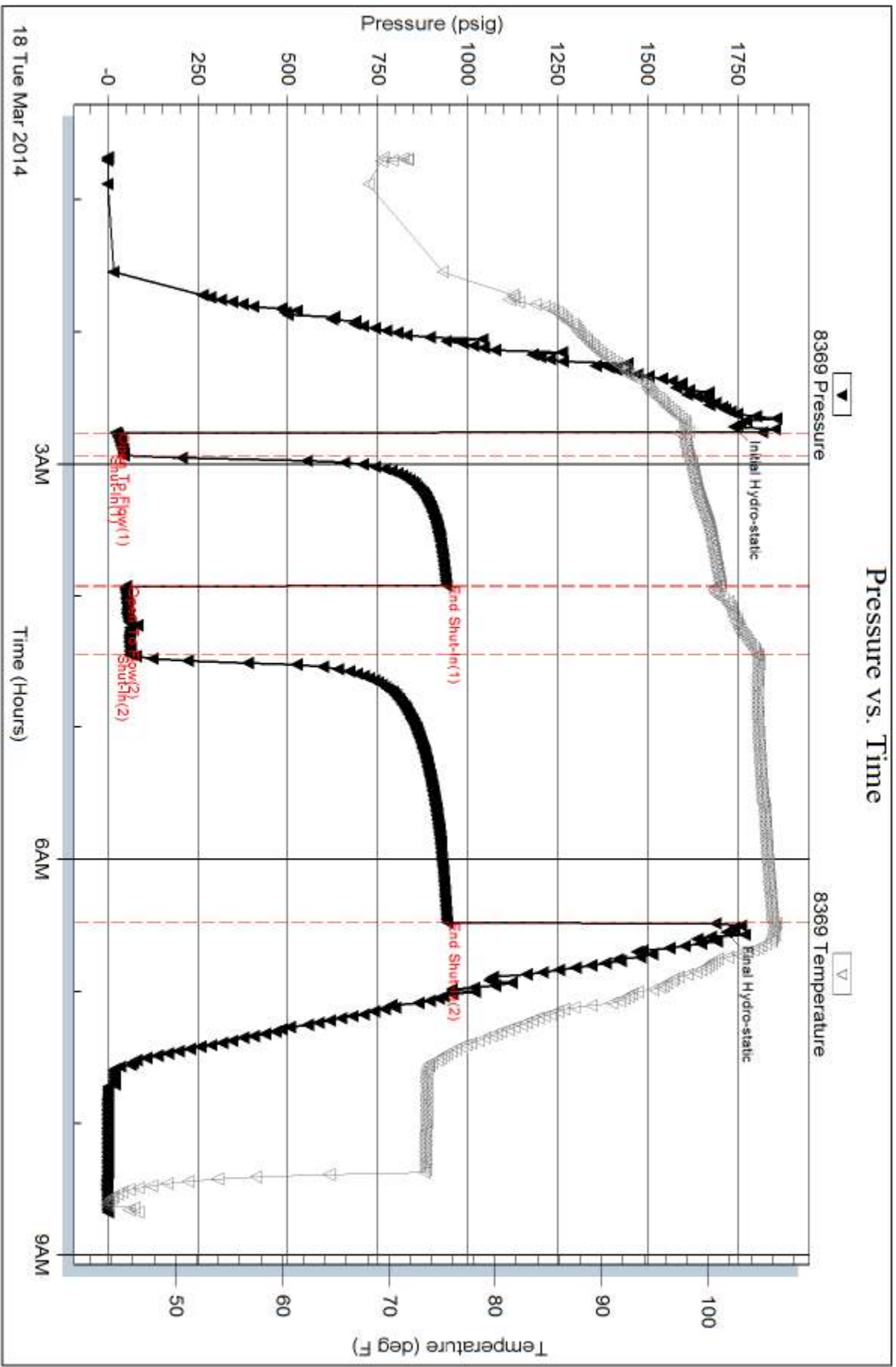
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Inside

Samuel Gary Jr & Associates

Saab Trust #1-20

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 54086

Printed: 2014.03.19 @ 08:43:05

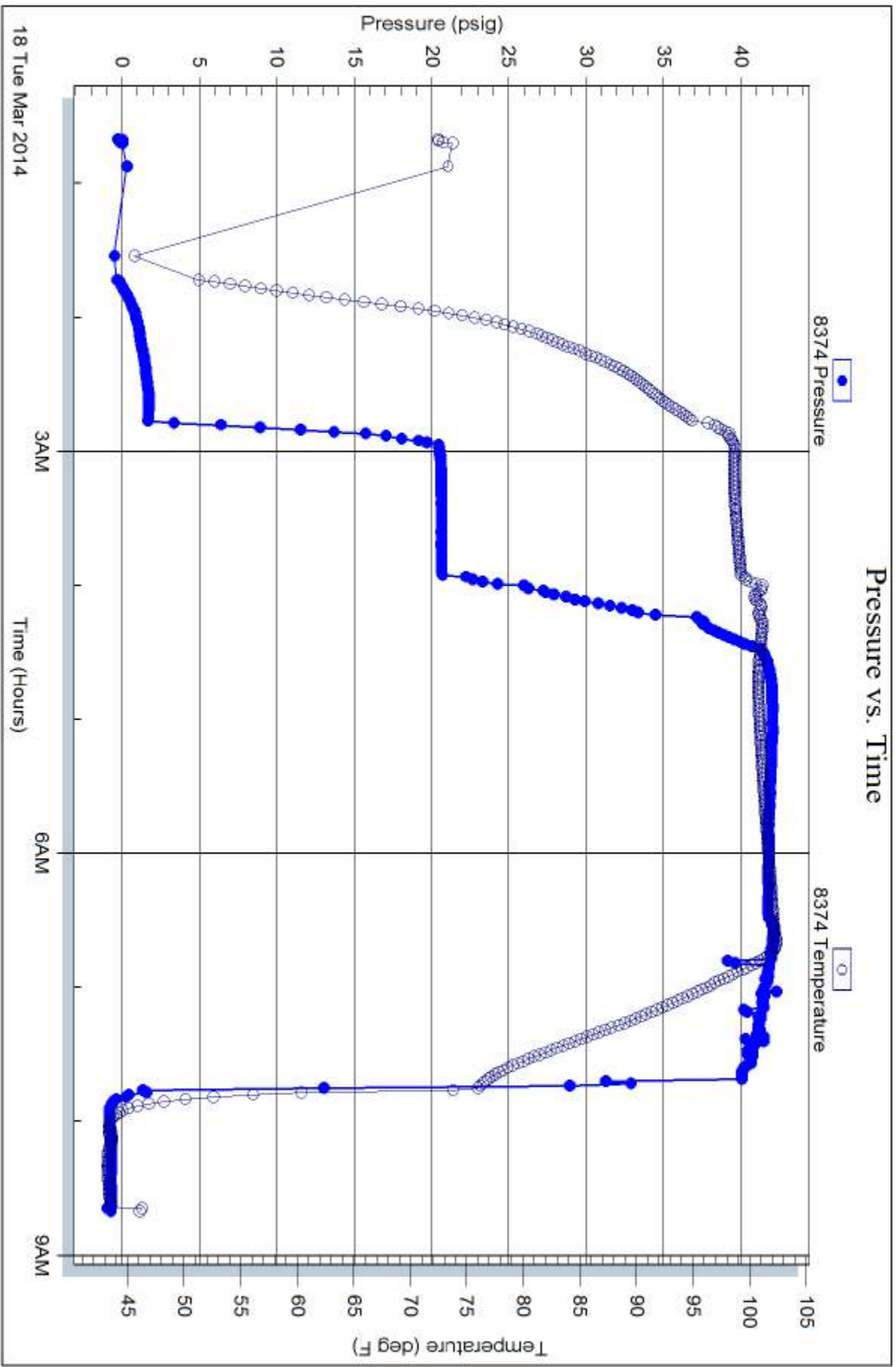
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Fluid

Samuel Gary Jr & Associates

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DST Test Number: 1



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