



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

SAMUEL GARY & ASSOC. INC.

SEC. 24 - 12 S. - 23 W. TREGO CO.

1515 WYNKOOP SUITE 700
DENVER COLORADO
80202
ATTN: DANIEL PRITCHARD

SCHNEIDER #1-24

Job Ticket: 55868

DST#: 3

Test Start: 2013.12.09 @ 21:40:00

GENERAL INFORMATION:

Formation: **J**
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole (Reset)**
 Time Tool Opened: 23:43:30 Tester: **BOB HAMEL**
 Time Test Ended: 05:58:30 Unit No: **66**
Interval: 3830.00 ft (KB) To 3894.00 ft (KB) (TVD) Reference Elevations: **2416.00 ft (KB)**
 Total Depth: **3894.00 ft (KB) (TVD)** **2408.00 ft (CF)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **8.00 ft**

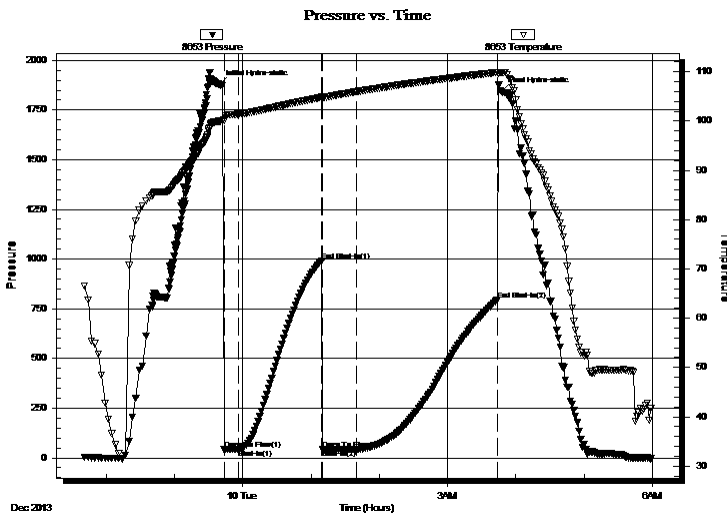
Serial #: 8653

Outside

Press @ Run Depth: **41.80 psig @ 3865.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2013.12.09** End Date: **2013.12.10** Last Calib.: **2013.12.10**
 Start Time: **21:41:00** End Time: **05:58:30** Time On Btm: **2013.12.09 @ 23:39:30**
 Time Off Btm: **2013.12.10 @ 03:47:00**

TEST COMMENT: I.F. - 10 - 1/4 INT BLOW BUILT TO (1 1/4" IN 10 MIN.)
 I.S.I - 75 - NO B.B.
 F.F. - 30 - WEAK SURFACE BLOW NO BUILD
 F.S.I. - 120 - NO B.B.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1877.43	99.96	Initial Hydro-static
4	41.07	100.18	Open To Flow (1)
17	42.54	101.41	Shut-In(1)
90	991.22	104.84	End Shut-In(1)
91	42.12	104.47	Open To Flow (2)
121	41.80	105.97	Shut-In(2)
244	794.38	109.86	End Shut-In(2)
248	1844.42	109.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	S,O,S,W,C,M(FEW OIL SPECS)10% WTR 0.07MUD	

Gas Rates

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

* Recovery from multiple tests



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SEC. 24 - 12 S. - 23 W. TREGO CO.
SCHNEIDER #1-24
 Job Ticket: 55868 **DST#: 3**
 Test Start: 2013.12.09 @ 21:40:00

GENERAL INFORMATION:

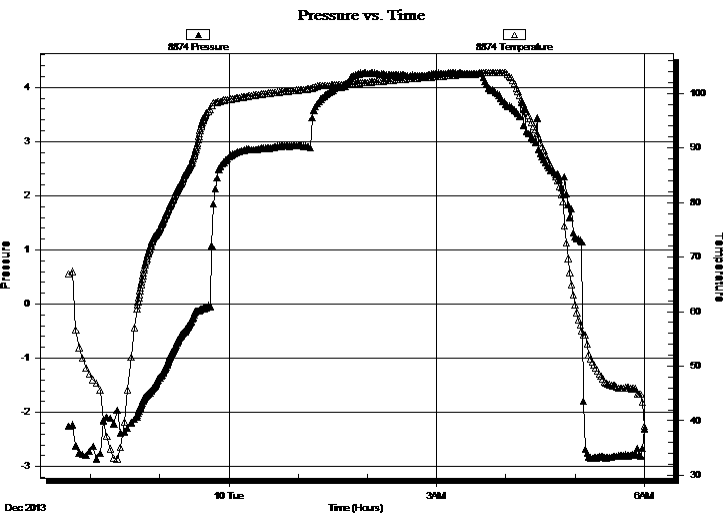
Formation: J					
Deviated: No	Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Reset)		
Time Tool Opened: 23:43:30			Tester: BOB HAMEL		
Time Test Ended: 05:58:30			Unit No: 66		
Interval: 3830.00 ft (KB) To 3894.00 ft (KB) (TVD)			Reference Elevations: 2416.00 ft (KB)		
Total Depth: 3894.00 ft (KB) (TVD)			2408.00 ft (CF)		
Hole Diameter: 7.88 inches	Hole Condition: Fair		KB to GR/CF: 8.00 ft		

Serial #: 8874

Fluid

Press @ RunDepth: psig @ 3796.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2013.12.09	End Date: 2013.12.10
Start Time: 21:41:00	End Time: 06:01:00
	Last Calib.: 2013.12.10
	Time On Btm:
	Time Off Btm:

TEST COMMENT: I.F. - 10 - 1/4 INT BLOW BUILT TO (1 1/4" IN 10 MIN.)
 I.S.I - 75 - NO B.B.
 F.F. - 30 - WEAK SURFACE BLOW NO BUILD
 F.S.I. - 120 - NO B.B.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	S,O,S,W,C,M(FEW OIL SPECS)10% WTR	0.07 MUJ

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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SEC. 24 - 12 S. - 23 W. TREGO CO.

1515 WYNKOOP SUITE 700
DENVER COLORADO
80202

SCHNEIDER #1-24

Job Ticket: 55868

DST#: 3

ATTN: DANIEL PRITCHARD

Test Start: 2013.12.09 @ 21:40:00

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: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	S,O,S,W,C,M(FEW OIL SPECS)10% WTR 90%	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

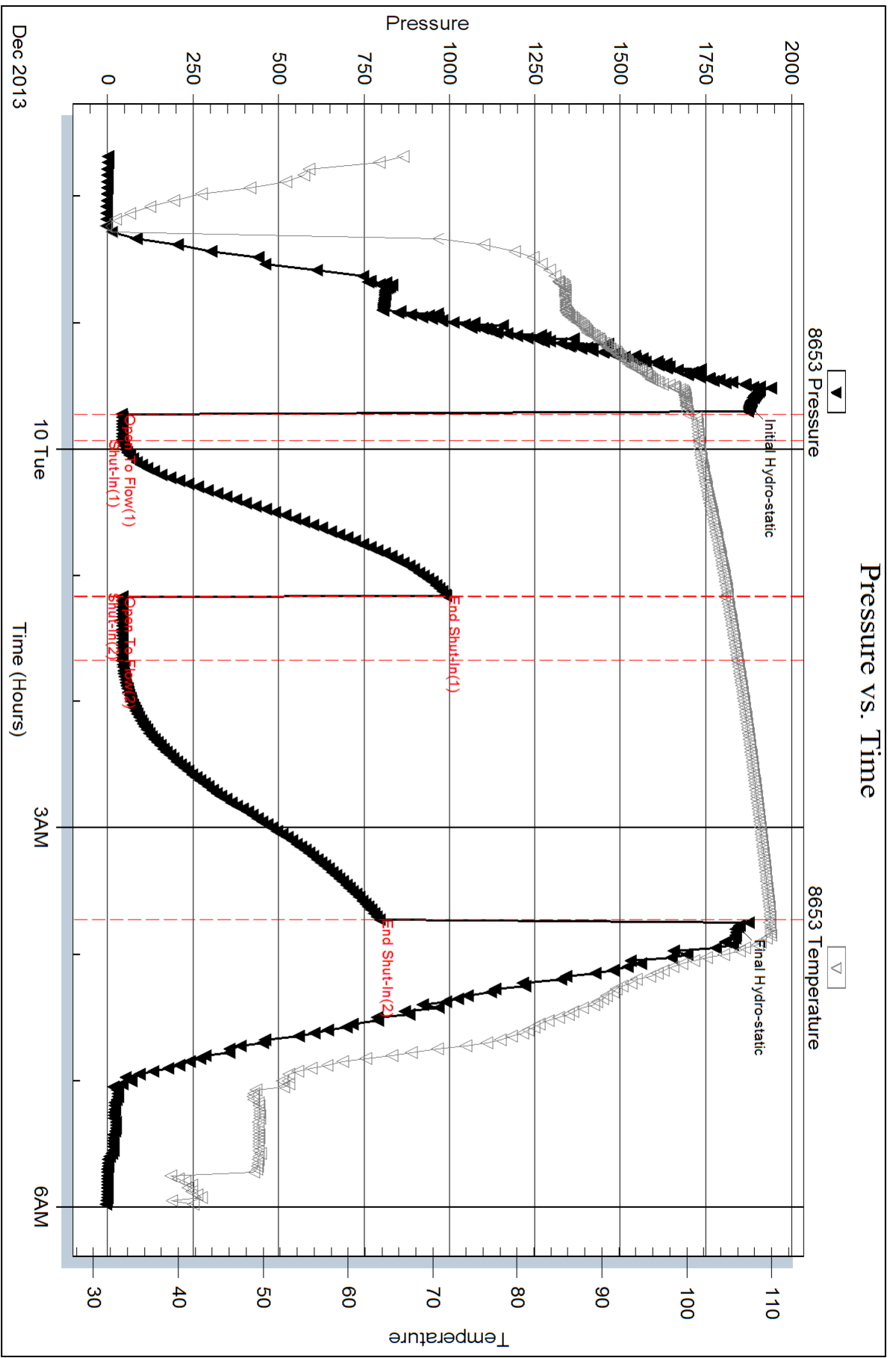
Laboratory Name:

Laboratory Location:

Recovery Comments: SAMPLER REC. = 200 M.L. MUD W/ FEW OIL SPECS

TOTAL FLUID = 200 M.L.

P.S.I. = 68



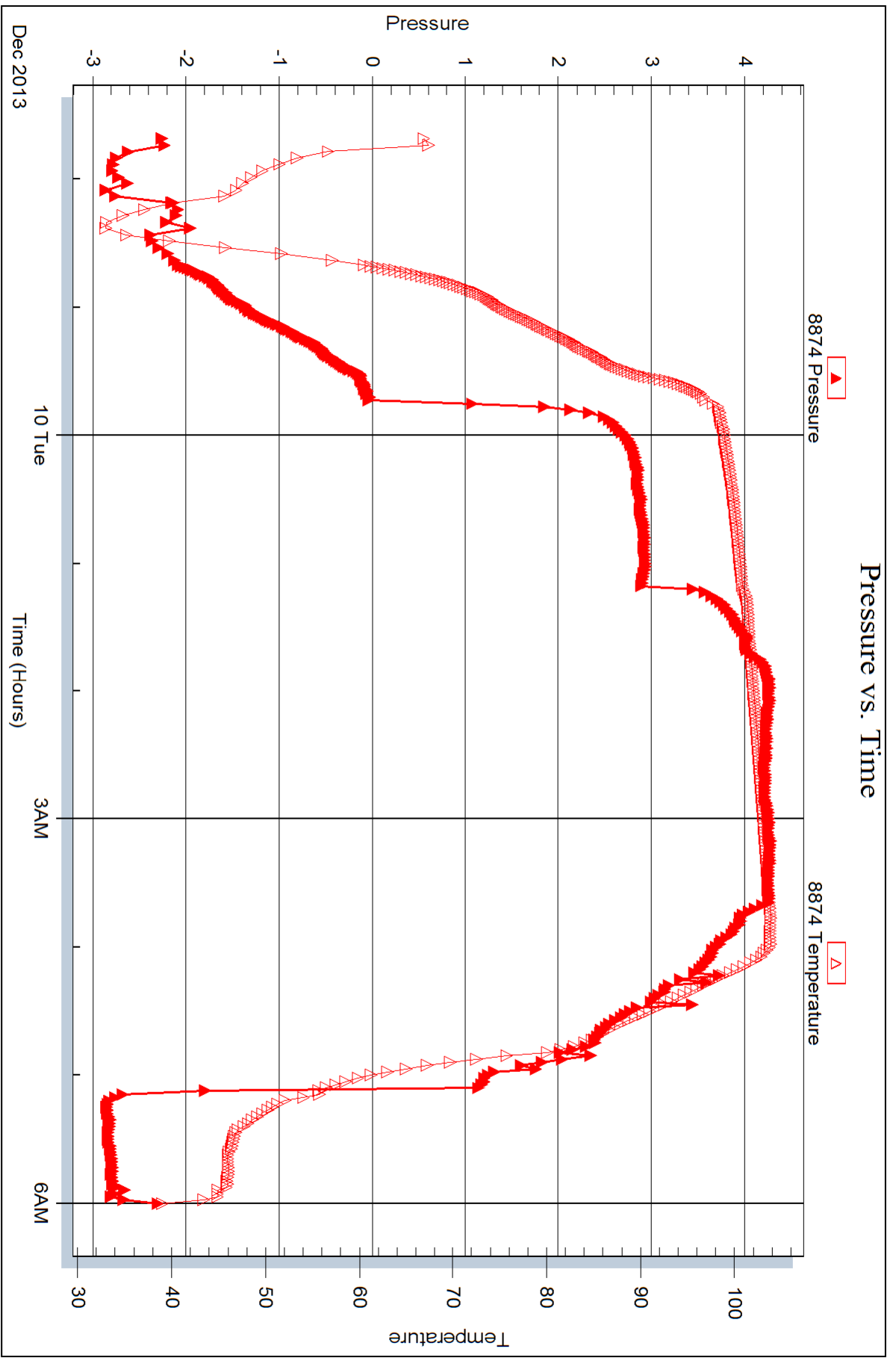
Serial #: 8874

Fluid

SAMUEL GARY & ASSOC. INC.

SCHNEDER #1-24

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 55868

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