



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr & Associates Inc

14-12s-17w Ellis KS

1515 Wynkoop STE 600
Denver CO, 80202

VFM Holding Co et al

ATTN: Clayton Camozzi

Job Ticket: 56056

DST#: 1

Test Start: 2014.01.18 @ 08:24:00

GENERAL INFORMATION:

Formation: **LKC "I-J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:44:30

Time Test Ended: 16:01:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Cody Bloedorn

Unit No: 73

Interval: 3530.00 ft (KB) To 3570.00 ft (KB) (TVD)

Reference Elevations: 2135.00 ft (KB)

Total Depth: 3570.00 ft (KB) (TVD)

2127.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8648 Outside

Press @ RunDepth: 30.14 psig @ 3567.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.01.18

End Date: 2014.01.18

Last Calib.: 2014.01.18

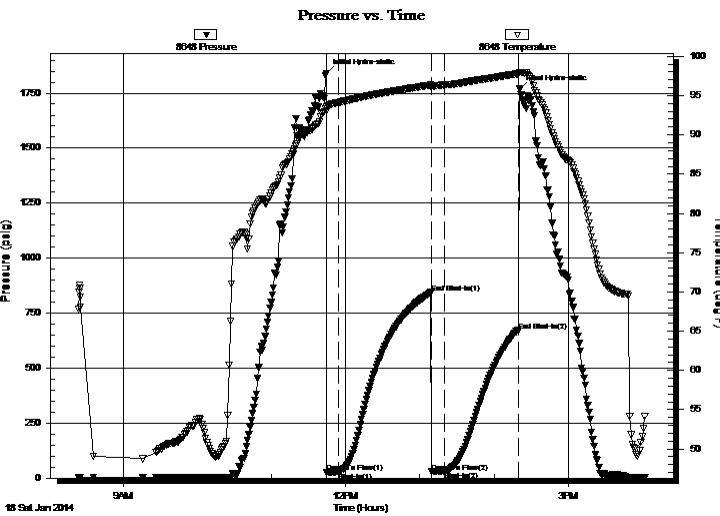
Start Time: 08:24:05

End Time: 16:01:44

Time On Btm: 2014.01.18 @ 11:44:15

Time Off Btm: 2014.01.18 @ 14:20:45

TEST COMMENT: 10 - IF- 1/2" blow
75 - IS- No return
10 - FF- No blow
60 - FS- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1840.29	93.63	Initial Hydro-static
1	24.41	93.00	Open To Flow (1)
10	28.56	94.10	Shut-In(1)
85	843.99	96.33	End Shut-In(1)
86	28.23	96.05	Open To Flow (2)
96	30.14	96.37	Shut-In(2)
156	668.64	97.75	End Shut-In(2)
157	1767.88	97.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	100%M- show of oil	0.01

Gas Rates

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



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FLUID SUMMARY

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DST#: 1

ATTN: Clayton Camozzi

Test Start: 2014.01.18 @ 08:24:00

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2250.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	100%M- show of oil	0.015

Total Length: 3.00 ft Total Volume: 0.015 bbl

Num Fluid Samples: 0

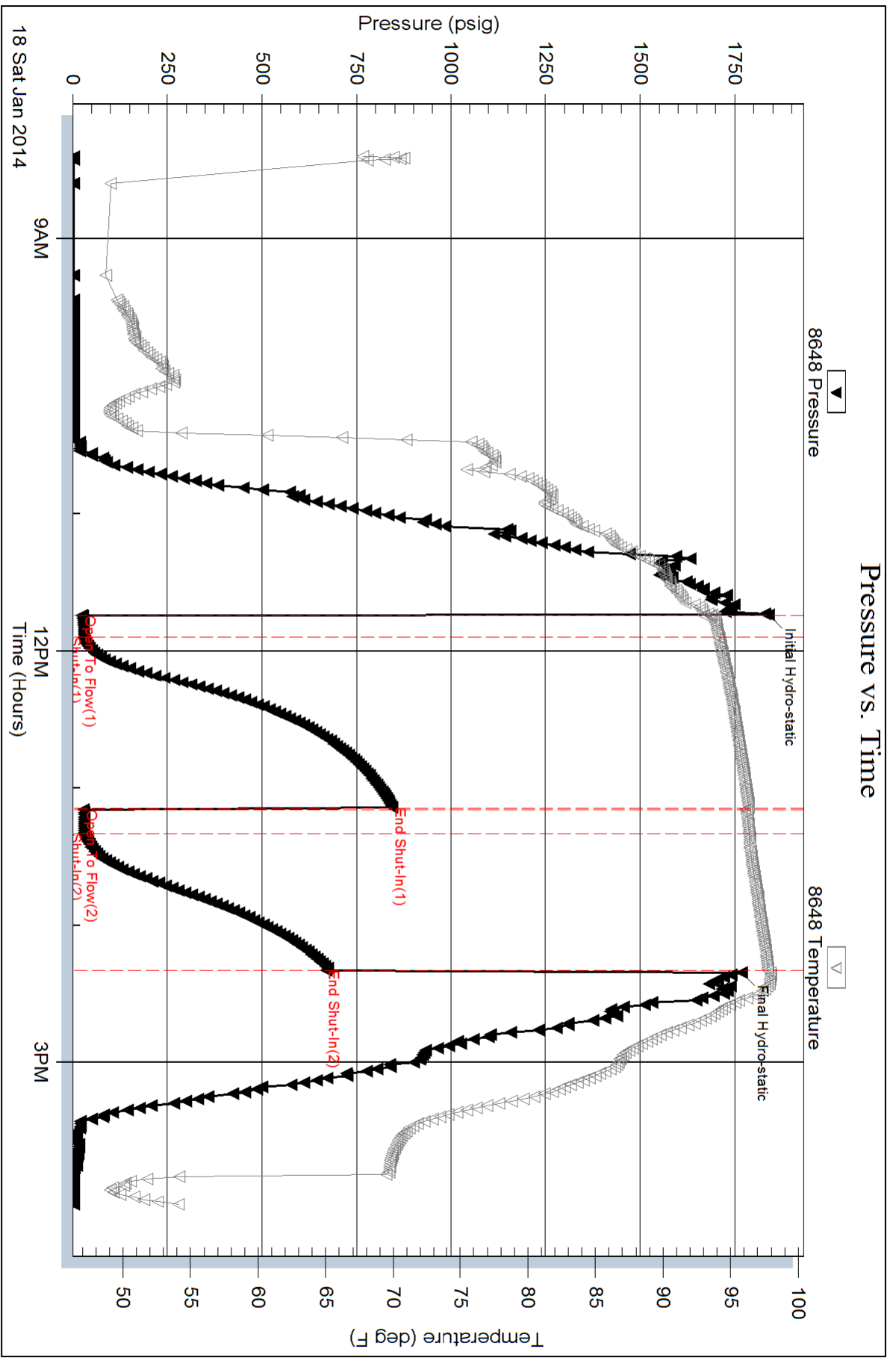
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler - No pressure, but had thick mud in it. got 100ml out of it. spots of oil w ith the mud.



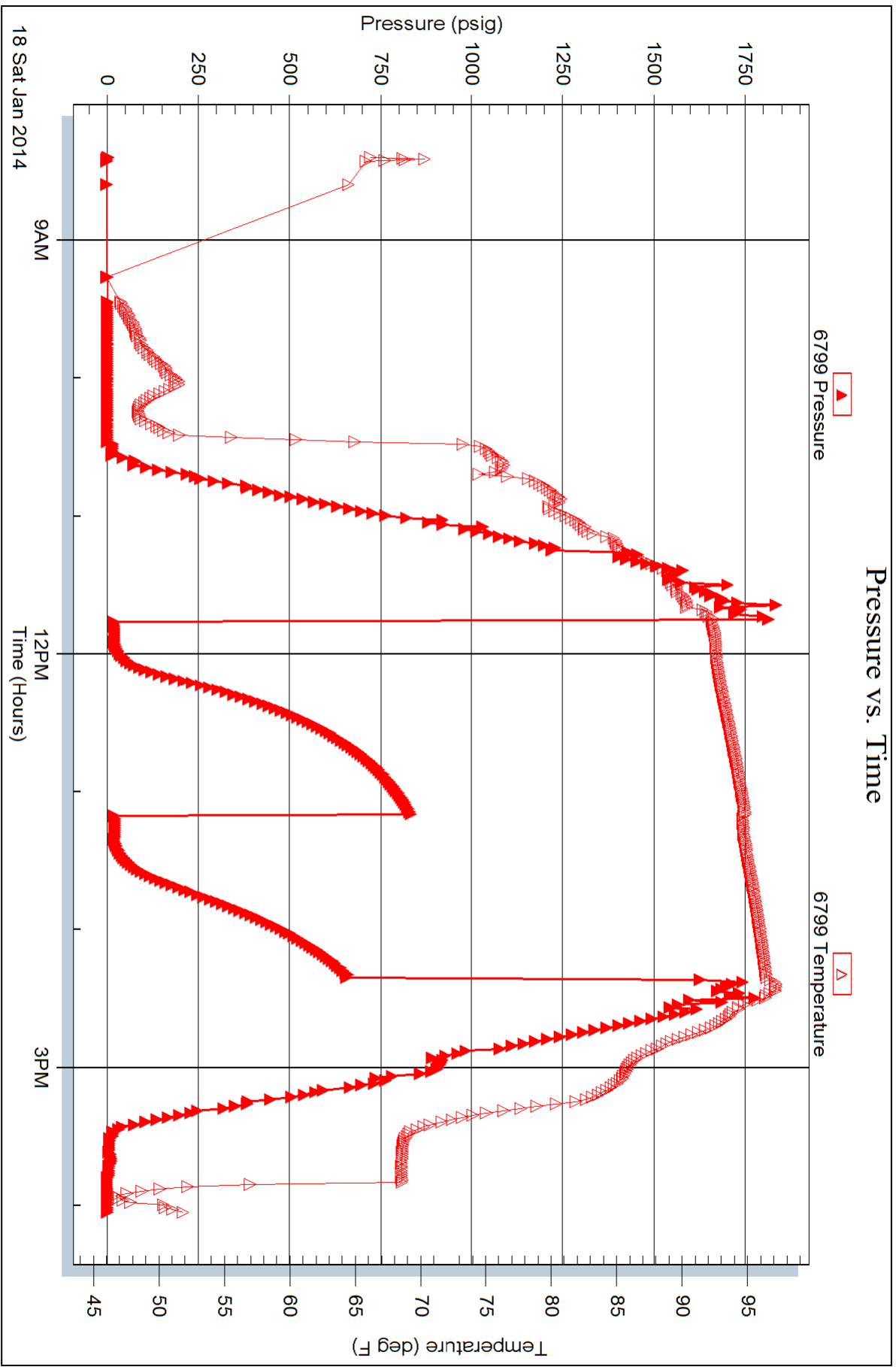
Serial #: 6799

Inside

Samuel Gary Jr & Associates Inc

VFM Holding Co et al

DST Test Number: 1



Serial #: 8655

Fluid

Samuel Gary Jr & Associates Inc

VFMHolding Co et al

DST Test Number: 1

