



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr & Ass.

19-12s-22w Trego KS

1515 Wynkoop Ste 700
Denver CO, 80202

Riedel Farms 1-19

ATTN: Dan Prichard

Job Ticket: 54484

DST#: 2

Test Start: 2013.10.21 @ 13:33:00

GENERAL INFORMATION:

Formation: **LKC "F-G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:31:15

Time Test Ended: 21:48:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 53

Interval: 3737.00 ft (KB) To 3796.00 ft (KB) (TVD)

Reference Elevations: 2409.00 ft (KB)

Total Depth: 3796.00 ft (KB) (TVD)

2401.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6799

Inside

Press @ Run Depth: 271.07 psig @ 3773.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.21

End Date:

2013.10.21

Last Calib.:

2013.10.21

Start Time: 13:33:05

End Time:

21:48:14

Time On Btm:

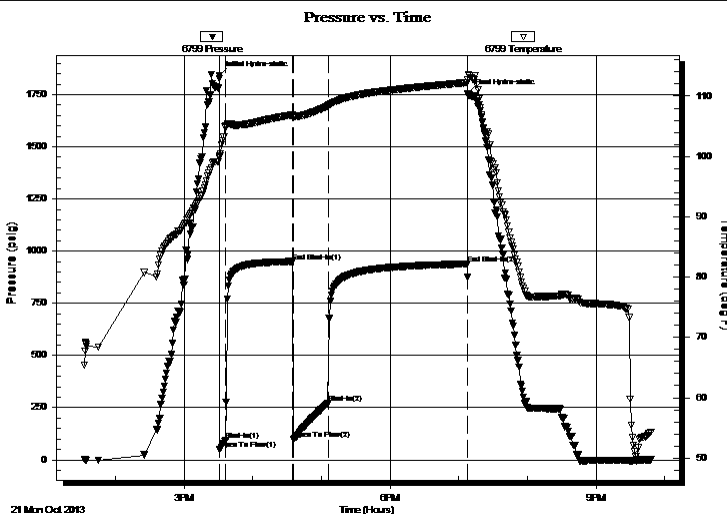
2013.10.21 @ 15:31:00

Time Off Btm:

2013.10.21 @ 19:08:00

TEST COMMENT: 05 - IF- 9' blow
60 - IS- No return
30 - FF- B.O.B. in 6 minutes
120 - FS- Surface return, died in 37 minutes

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1839.62	99.96	Initial Hydro-static
1	51.52	100.04	Open To Flow (1)
6	94.87	104.77	Shut-In(1)
64	950.55	106.89	End Shut-In(1)
65	97.26	106.65	Open To Flow (2)
95	271.07	108.36	Shut-In(2)
217	938.25	112.24	End Shut-In(2)
217	1752.50	112.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	MW, 20%M, 80%W	4.35
186.00	OCWM, 20%O, 30%W, 50%M	2.61
124.00	HOCWM, 10%W, 40%O, 50%M	1.74
20.00	GO, 10%G, 90%O	0.28
0.00	90' of G.I.P.	0.00

Gas Rates

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

* Recovery from multiple tests



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Test Start: 2013.10.21 @ 13:33:00

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	MW, 20%M, 80%W	4.348
186.00	OCWM, 20%O, 30%W, 50%M	2.609
124.00	HOCWM, 10%W, 40%O, 50%M	1.739
20.00	GO, 10%G, 90%O	0.281
0.00	90' of G.I.P.	0.000

Total Length: 640.00 ft Total Volume: 8.977 bbl

Num Fluid Samples: 0

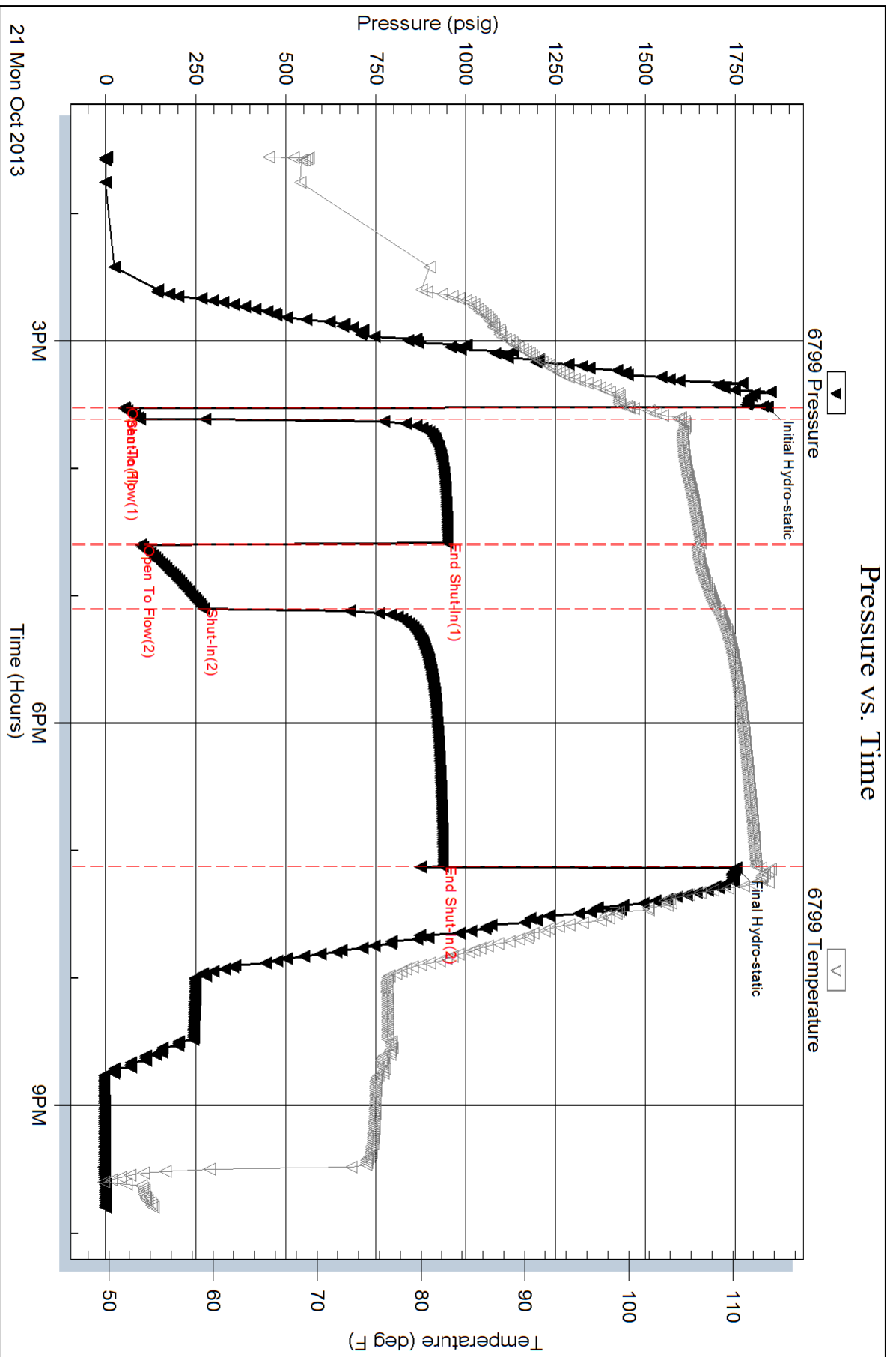
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .25 @ 60 DEGREES = 33,000 Chlorides

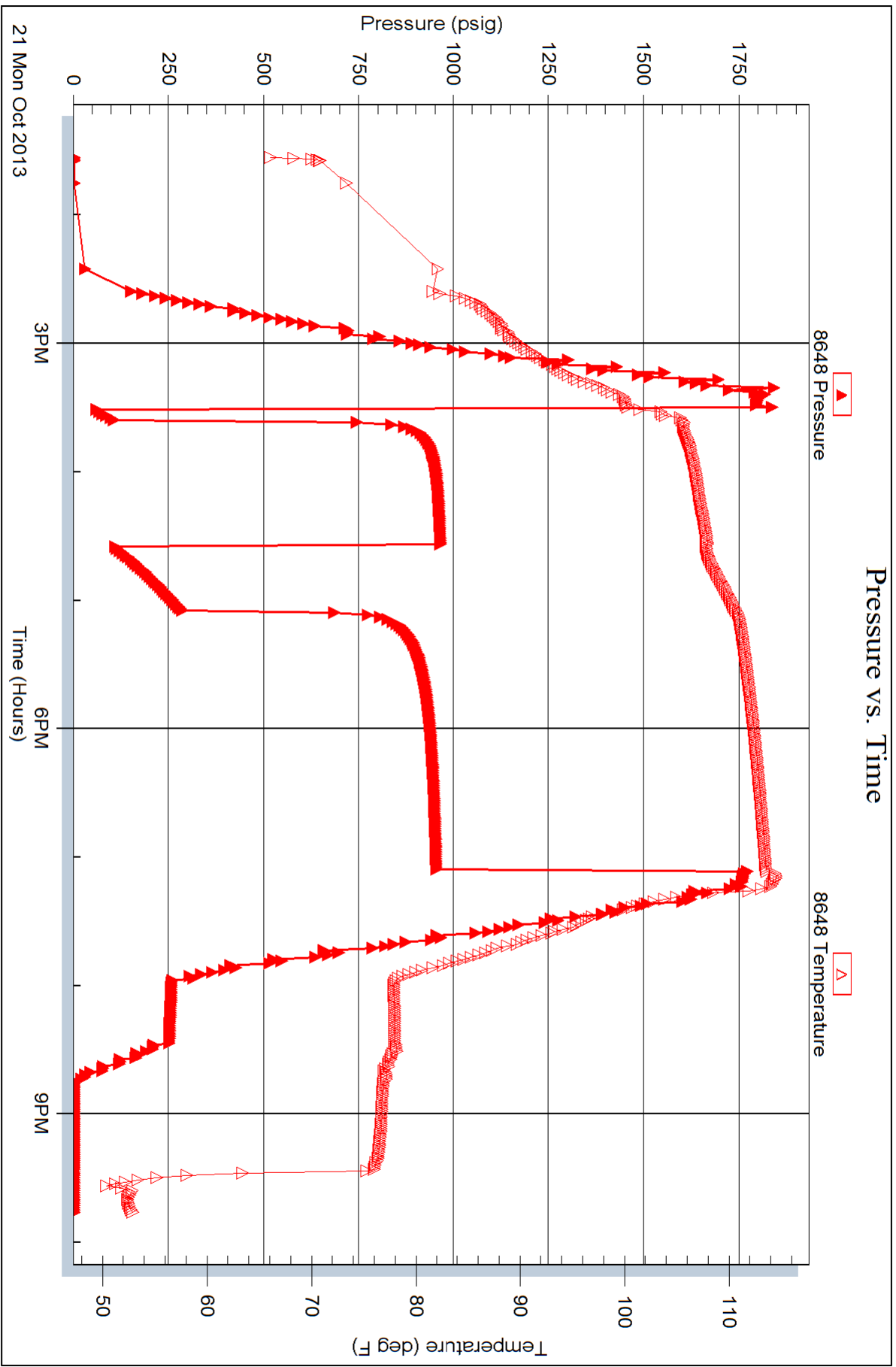


Serial #: 8648

Outside Samuel Gary Jr & Ass.

Riedel Farms 1-19

DST Test Number: 2



Serial #: 8655

Fluid

Samuel Gary Jr & Ass.

Riedel Farms 1-19

DST Test Number: 2

