



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Cobalt Energy LLC

36-22s-23w Hodgeman

115 S. Belmont #12
PO Box 837
Wichita Ks 67208
ATTN: Nicholas Hess, Rober

Good EarthRanchA1-36

Job Ticket: 62666 **DST#: 1**

Test Start: 2015.09.21 @ 02:40:37

GENERAL INFORMATION:

Formation: **Miss Osage**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:08:47

Time Test Ended: 11:55:47

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 70

Interval: 4451.00 ft (KB) To 4459.00 ft (KB) (TVD)

Reference Elevations: 2214.00 ft (KB)

Total Depth: 4459.00 ft (KB) (TVD)

2209.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8018 Inside

Press@RunDepth: 984.10 psig @ 4452.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.09.21

End Date:

2015.09.21

Last Calib.: 2015.09.21

Start Time: 02:40:37

End Time:

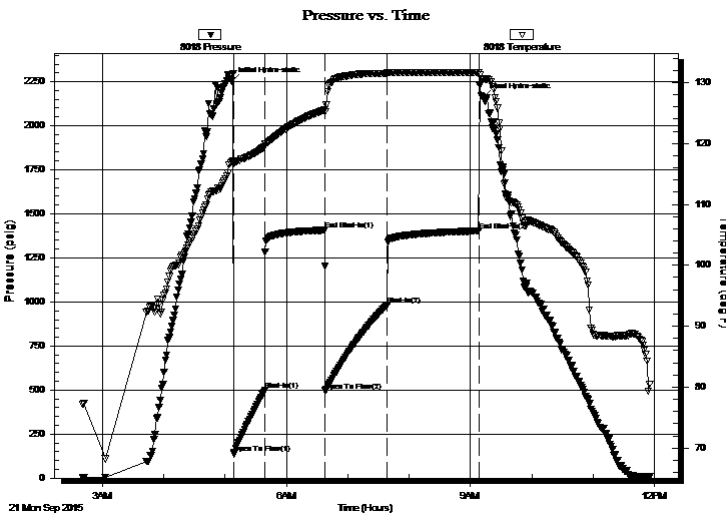
11:55:47

Time On Btm: 2015.09.21 @ 05:06:47

Time Off Btm: 2015.09.21 @ 09:12:46

TEST COMMENT: 30-IFP-w k to strg in 4 min
60-ISIP- 1/8"bl bk
60-FFP-w k to strg in 3 min
90-FSIP- 1/4" bl bk

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2251.49	117.00	Initial Hydro-static
2	138.44	116.78	Open To Flow (1)
32	496.66	119.49	Shut-In(1)
91	1407.71	125.50	End Shut-In(1)
92	495.88	125.19	Open To Flow (2)
152	984.10	131.50	Shut-In(2)
242	1403.00	131.58	End Shut-In(2)
246	2161.43	130.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	280' GIP	0.00
1425.00	Water	18.62
465.00	HOCW 20%O80%W	6.52
125.00	OCMW 5%O5%M90%W	1.75
60.00	CO	0.84

Gas Rates

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



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FLUID SUMMARY

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ATTN: Nicholas Hess, Rober

Good EarthRanchA1-36

Job Ticket: 62666 **DST#: 1**

Test Start: 2015.09.21 @ 02:40:37

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 60.00 sec/qt
Water Loss: 9.55 in³
Resistivity: ohm.m
Salinity: 3900.00 ppm
Filter Cake: 1.00 inches

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

Oil API: 38 deg API
Water Salinity: 44000 ppm

Recovery Information

Recovery Table

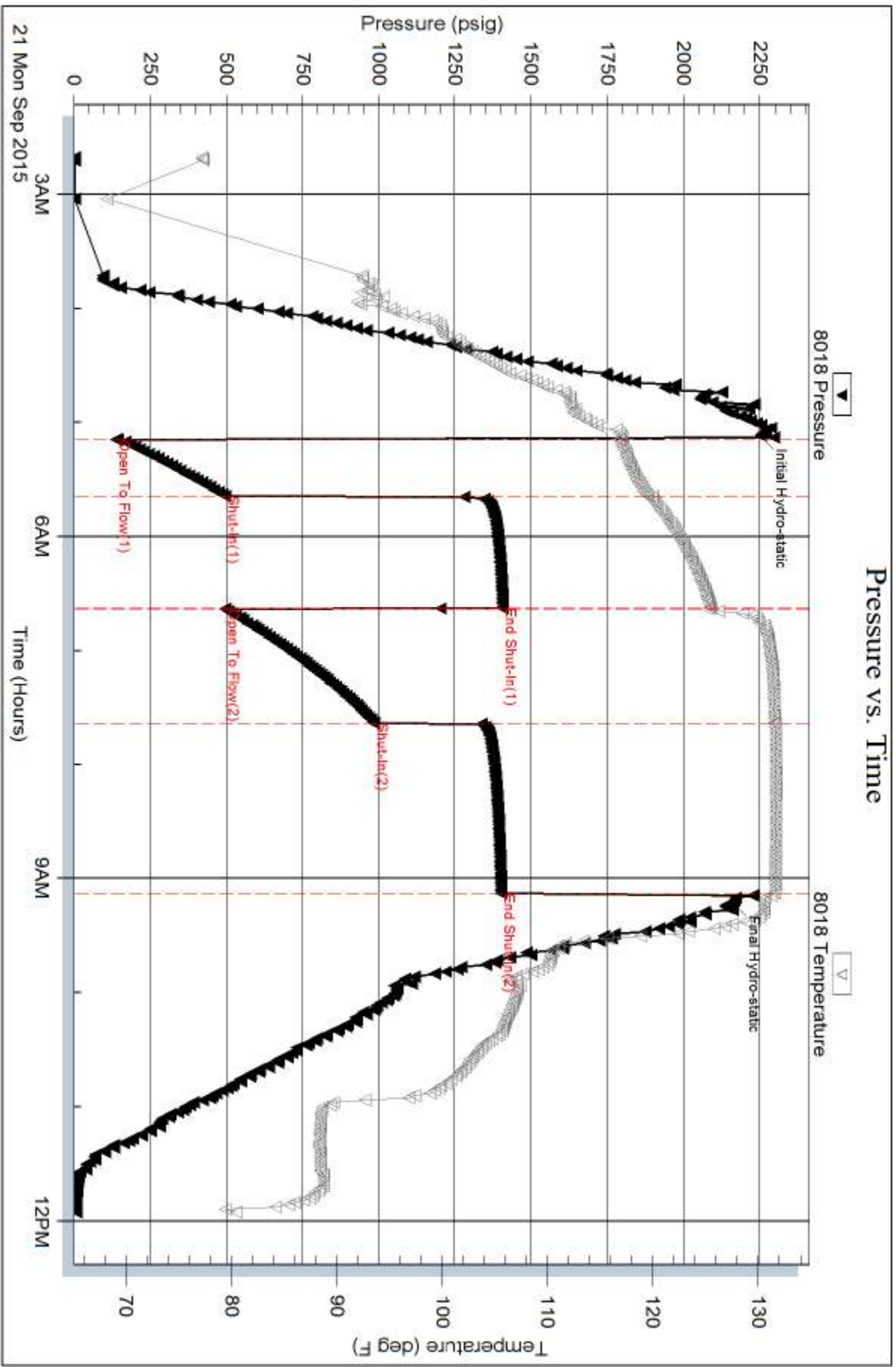
Length ft	Description	Volume bbl
0.00	280' GIP	0.000
1425.00	Water	18.623
465.00	HOCW 20%O80%W	6.523
125.00	OCMW 5%O5%M90%W	1.753
60.00	CO	0.842

Total Length: 2075.00 ft Total Volume: 27.741 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW .15@75F





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ATTN: Nicholas Hess, Rober

Good EarthRanchA1-36

Job Ticket: 62667 **DST#: 2**

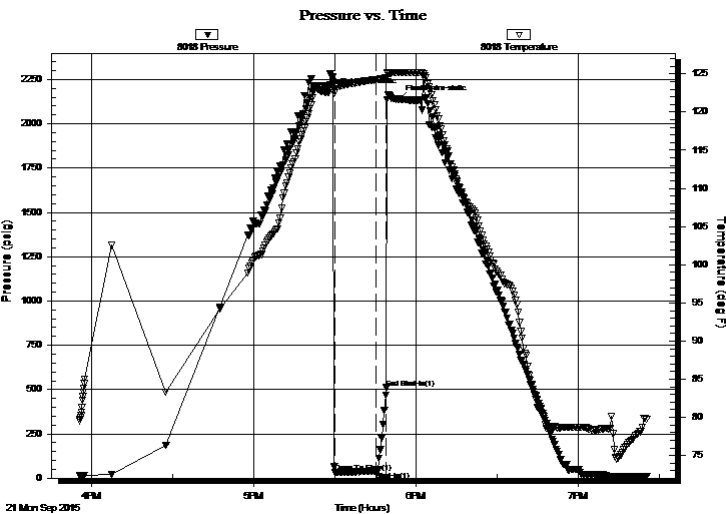
Test Start: 2015.09.21 @ 15:55:31

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:29:56
 Time Test Ended: 19:25:26
 Interval: **4395.00 ft (KB) To 4448.00 ft (KB) (TVD)**
 Total Depth: 4459.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Straddle (Reset)
 Tester: Ray Schwager
 Unit No: 70
 Reference Elevations: 2214.00 ft (KB)
 2209.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8018 Inside
 Press@RunDepth: 39.64 psig @ 4401.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.09.21 End Date: 2015.09.21 Last Calib.: 2015.09.21
 Start Time: 15:55:31 End Time: 19:25:26 Time On Btm: 2015.09.21 @ 17:27:26
 Time Off Btm: 2015.09.21 @ 17:53:41

TEST COMMENT: 15-IFP-vy w k bl 1/8"bl
 7-ISIP-no bl
 Cedar Hills Started flow ing w ater , pulled tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2176.31	123.45	Initial Hydro-static
3	32.22	123.29	Open To Flow (1)
18	39.64	124.22	Shut-In(1)
22	510.13	124.49	End Shut-In(1)
27	2138.47	125.19	Final Hydro-static

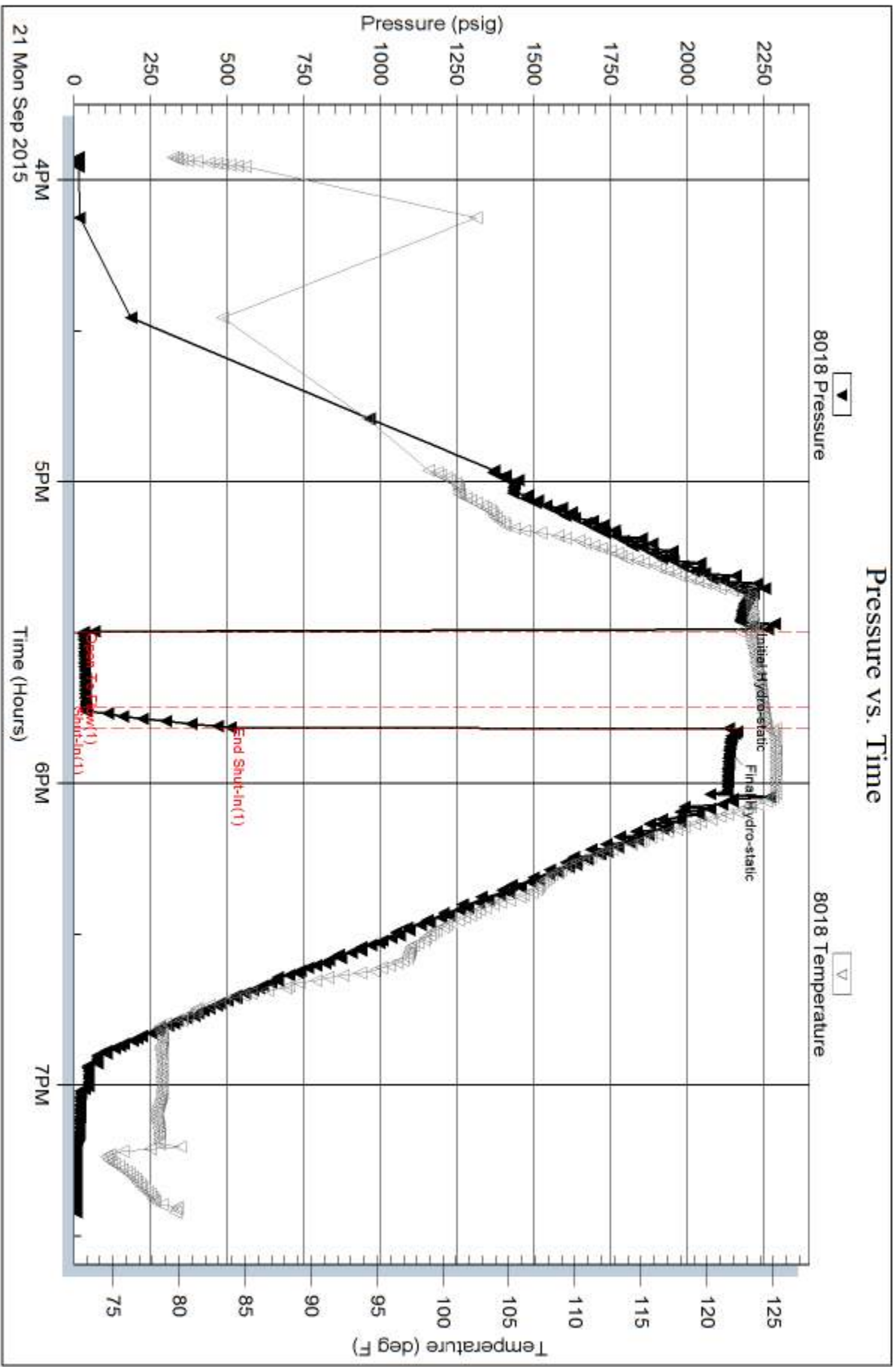
Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.02

* Recovery from multiple tests

Gas Rates

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

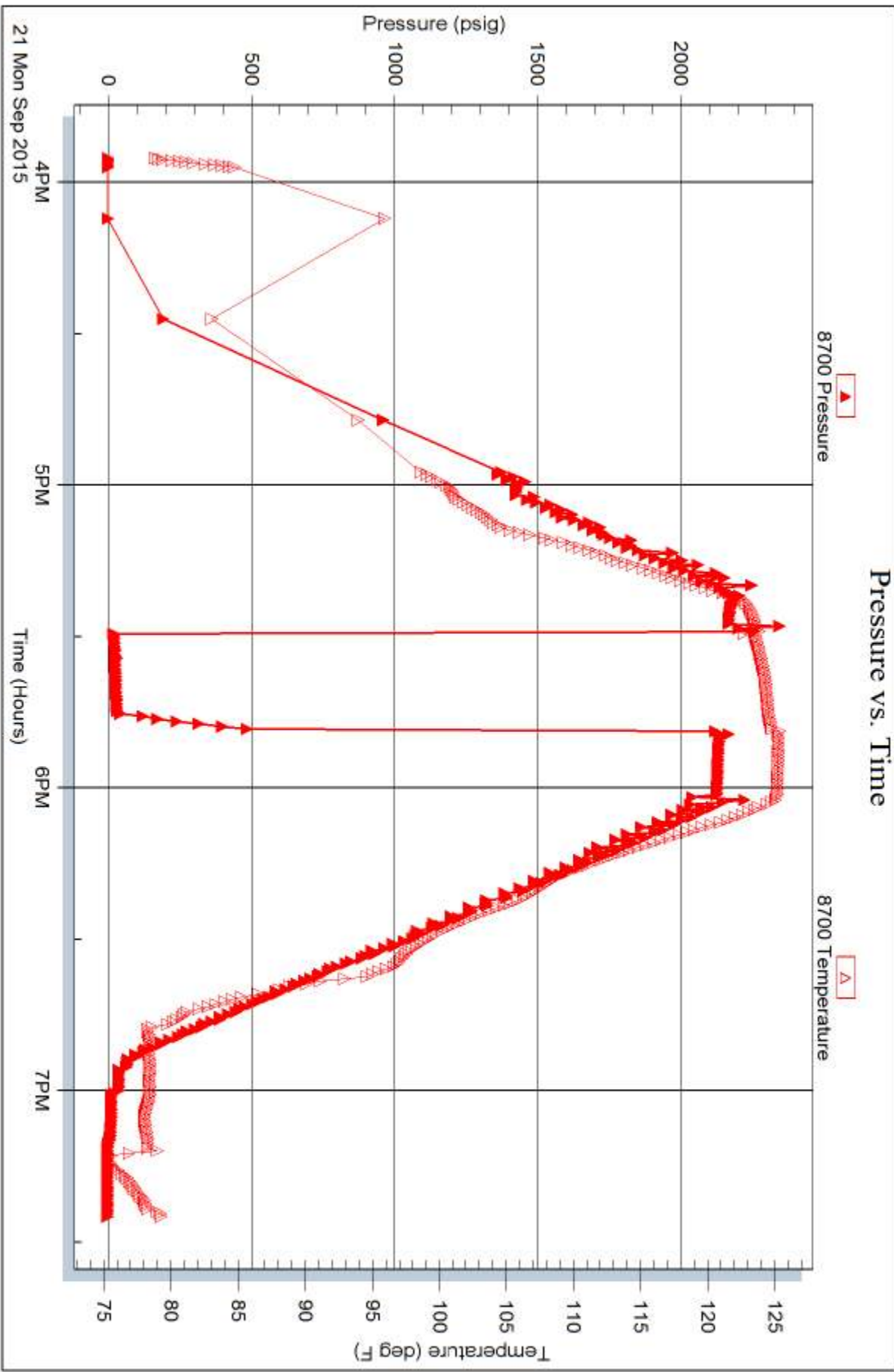


Serial #: 8700

Outside Cobalt Energy LLC

Good EarthRanchA1-36

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 62867

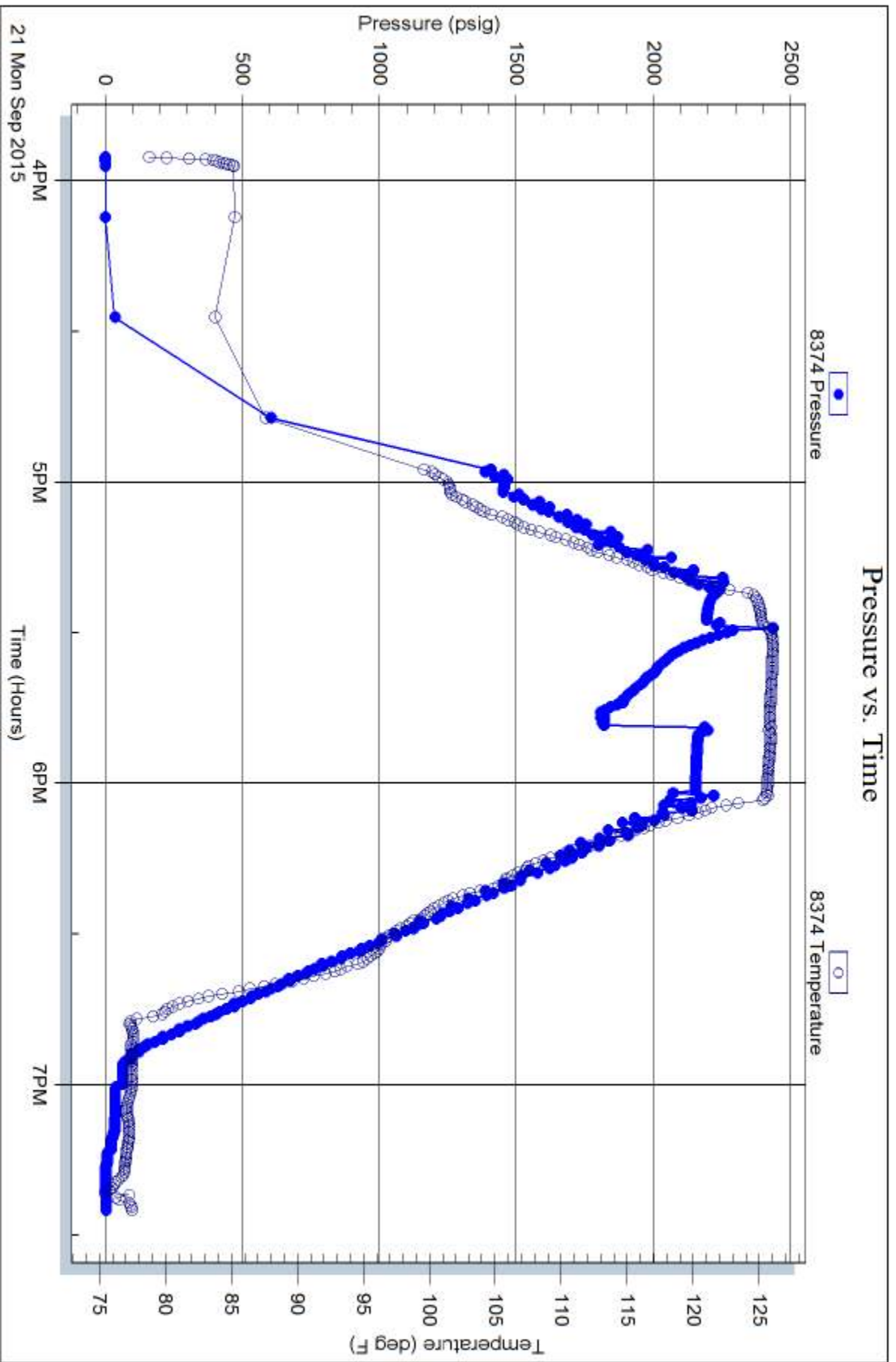
Printed: 2015.09.21 @ 21:08:15

Serial #: 8374

Below (Stratton) Energy LLC

Good EarthRanchA1-36

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 62867

Printed: 2015.09.21 @ 21:08:15