



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shelby Resources L.L.C

31-21s-17w Pawnee

445 Union blvd suite 208 Lakewood CO 80228

Hanshaw Trust #1-34

ATTN: Keith Reavis

Job Ticket: 61899

DST#: 1

Test Start: 2014.12.28 @ 01:45:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:00:30

Time Test Ended: 10:48:30

Test Type: Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: S5-Great Bend-

Interval: 3815.00 ft (KB) To 3925.00 ft (KB) (TVD)

Reference Elevations: 2035.00 ft (KB)

Total Depth: 3925.00 ft (KB) (TVD)

2022.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 8400

Inside

Press @ Run Depth: 1229.64 psig @ 3921.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.12.28

End Date: 2014.12.28

Last Calib.: 2014.12.28

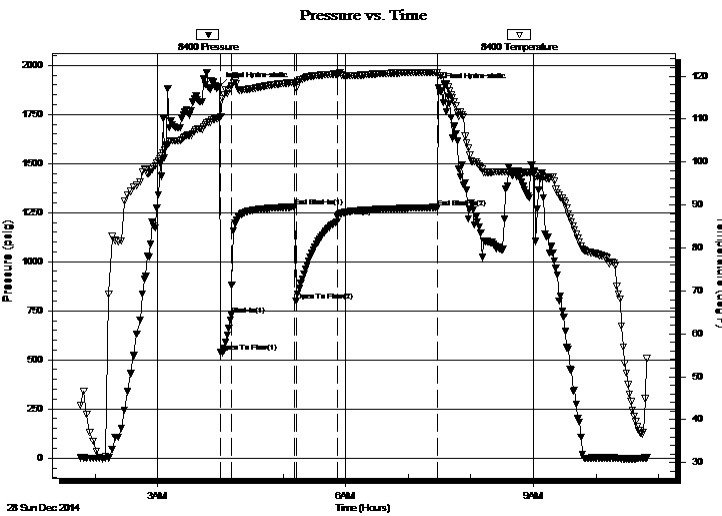
Start Time: 01:46:00

End Time: 10:48:30

Time On Btm: 2014.12.28 @ 03:59:00

Time Off Btm: 2014.12.28 @ 07:29:00

TEST COMMENT: IFP-10 Minutes-Strong blow built bottom of bucket in less than 1 minute
 ISIP-60 Minutes-Blow back 4 inches
 FFP-45 Minutes-Strong blow built bottom of bucket in less than 1 minute
 FSIP-90 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1892.82	110.07	Initial Hydro-static
2	539.71	110.56	Open To Flow (1)
12	726.77	117.60	Shut-In(1)
72	1278.85	118.53	End Shut-In(1)
74	801.20	117.23	Open To Flow (2)
113	1229.64	120.50	Shut-In(2)
209	1274.46	120.86	End Shut-In(2)
210	1886.72	120.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2400.00	water	32.85
0.00	resistivity .3@56degrees	0.00
0.00	chlorides 28,000	0.00

Gas Rates

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



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Total Depth: 3925.00 ft (KB) (TVD)

2022.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 6999 Outside

Press @ Run Depth: psig @ 3922.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.12.28

End Date: 2014.12.28

Last Calib.: 2014.12.28

Start Time: 01:48:44

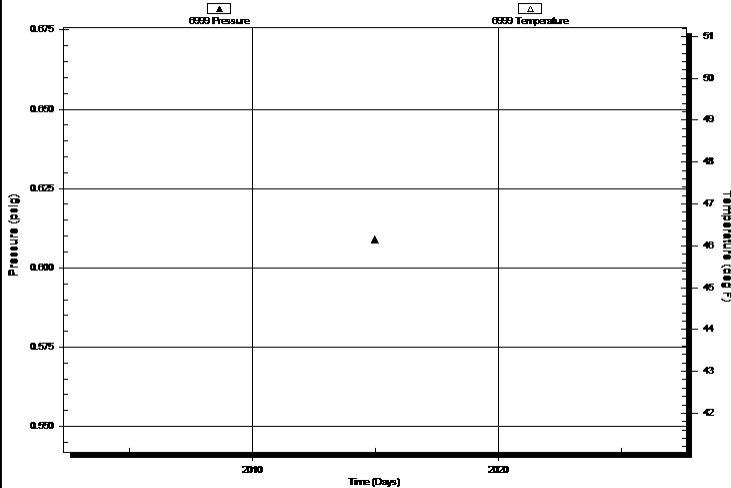
End Time: 01:48:44

Time On Btm:

Time Off Btm:

TEST COMMENT: IFP-10 Minutes-Strong blow built bottom of bucket in less than 1 minute
 ISIP-60 Minutes-Blow back 4 inches
 FFP-45 Minutes-Strong blow built bottom of bucket in less than 1 minute
 FSIP-90 Minutes-No blow back

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
2400.00	water	32.85
0.00	resistivity .3@56degrees	0.00
0.00	chlorides 28,000	0.00

Gas Rates

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



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DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources L.L.C

31-21s-17w Pawnee

445 Union blvd suite 208 Lakewood CO 80228

Hanshaw Trust #1-34

Job Ticket: 61899

DST#: 1

ATTN: Keith Reavis

Test Start: 2014.12.28 @ 01:45:00

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:

bbbl

Water Loss: 6.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2400.00	water	32.846
0.00	resistivity .3@56degrees	0.000
0.00	chlorides 28,000	0.000

Total Length: 2400.00 ft Total Volume: 32.846 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

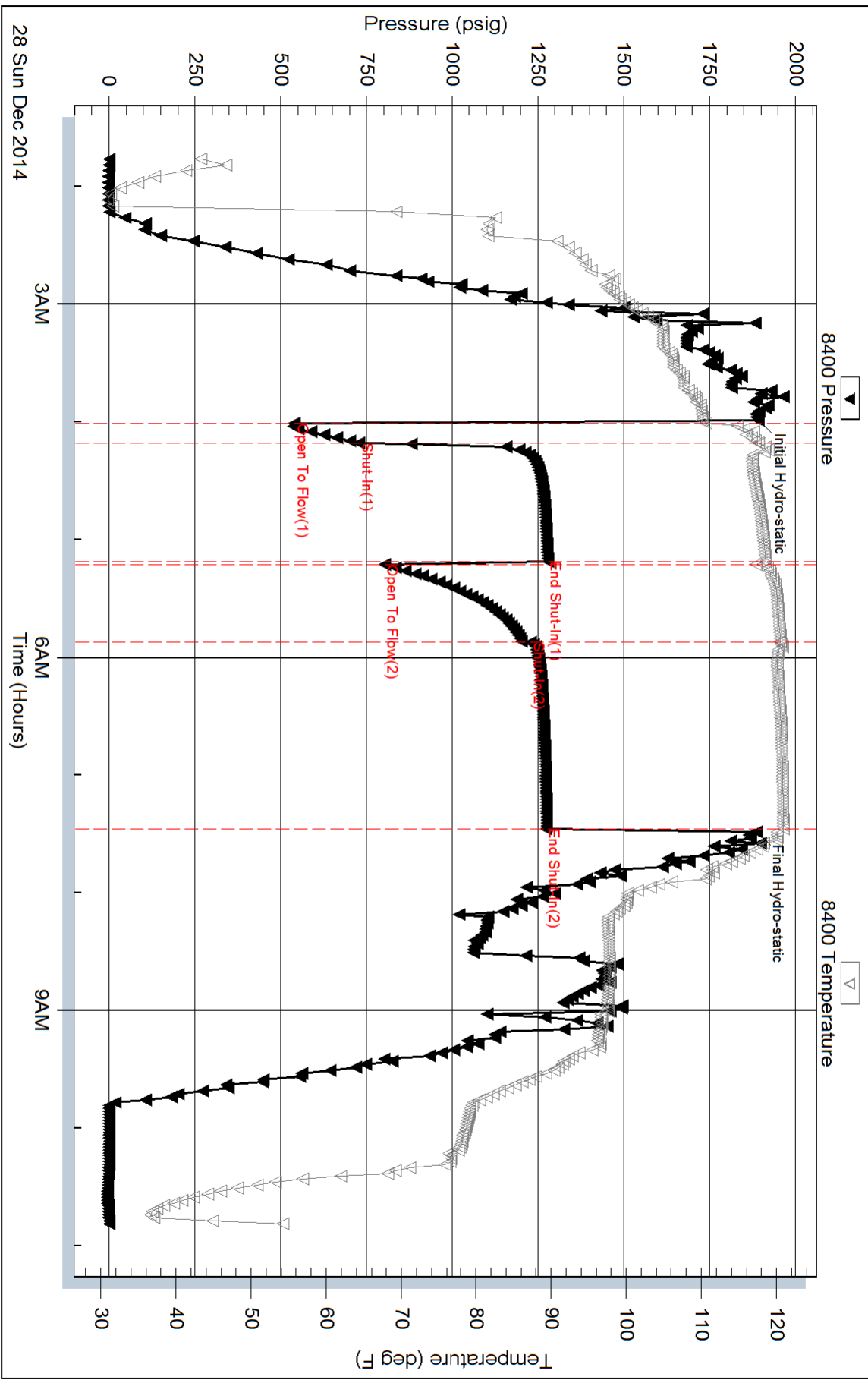
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: circ sub used

Pressure vs. Time

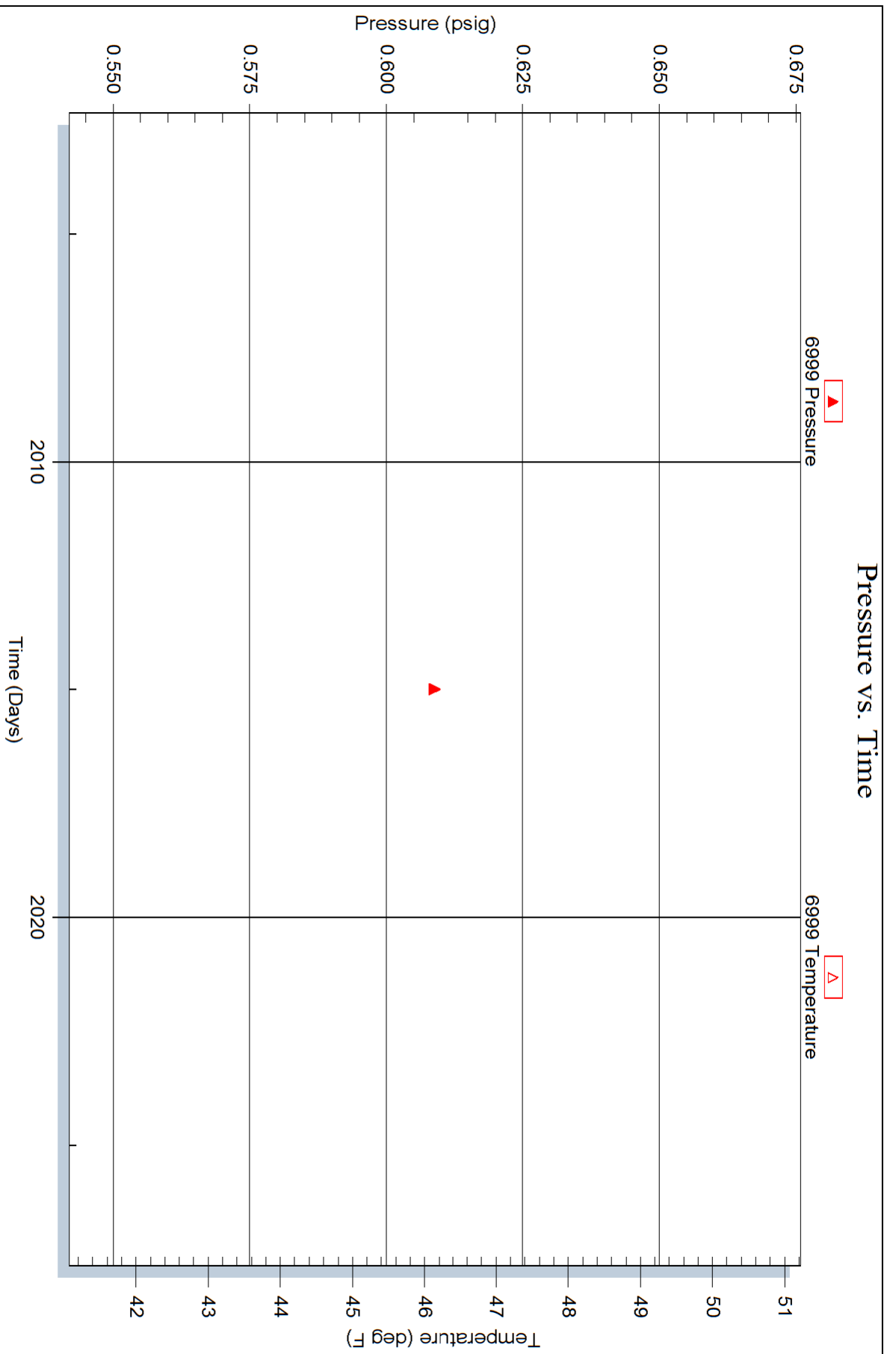


Serial #: 6999

Outside Shelby Resources L.L.C

Hanshew Trust #1-34

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 61899

Printed: 2014.12.28 @ 12:20:34