



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Culbreath Oil & Gas Company Inc.

20-10s-31w Thomas co.

1532 S. Peoria Ave.
Tulsa, OK 74120

OstmeyerBixenman120A

ATTN: Pat Deenihan

Job Ticket: 55652

DST#: 5

Test Start: 2013.11.26 @ 10:00:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:33:15

Time Test Ended: 16:53:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Sam Esparza

Unit No: 64

Interval: 4408.00 ft (KB) To 4440.00 ft (KB) (TVD)

Reference Elevations: 3022.00 ft (KB)

Total Depth: 4440.00 ft (KB) (TVD)

3014.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8845 Outside

Press @ Run Depth: 15.34 psig @ 4409.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.26

End Date: 2013.11.26

Last Calib.: 2013.11.26

Start Time: 10:00:05

End Time: 16:53:14

Time On Btm: 2013.11.26 @ 12:33:00

Time Off Btm: 2013.11.26 @ 14:41:00

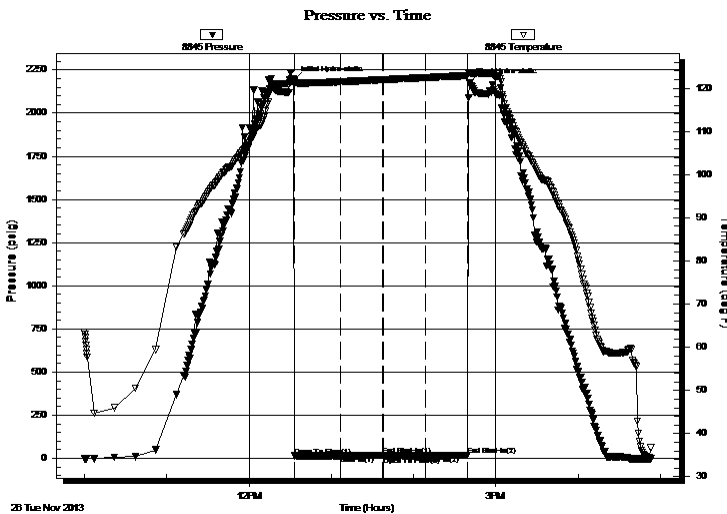
TEST COMMENT: IF: Weak Surface Blow .

IS: No Return.

FF: No Blow .

FS: No Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2191.47	121.59	Initial Hydro-static
1	14.62	120.79	Open To Flow (1)
34	15.62	121.49	Shut-In(1)
65	19.17	121.96	End Shut-In(1)
65	14.97	121.96	Open To Flow (2)
96	15.34	122.45	Shut-In(2)
127	16.00	122.91	End Shut-In(2)
128	2175.44	123.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100m	0.07

Gas Rates

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

* Recovery from multiple tests



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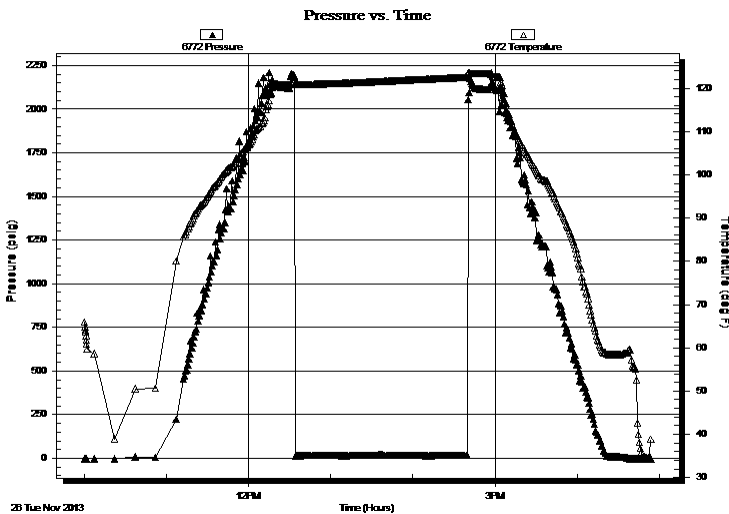
Serial #: 6772

Outside

Press @ RunDepth: psig @ 4409.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.26 End Date: 2013.11.26 Last Calib.: 2013.11.26
 Start Time: 10:00:05 End Time: 16:53:44 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Weak Surface Blow .
 IS: No Return.
 FF: No Blow .
 FS: No Return.

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100m	0.07

Gas Rates

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

* Recovery from multiple tests



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TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Culbreath Oil & Gas Company Inc.

20-10s-31w Thomas co.

1532 S. Peoria Ave.
Tulsa, OK 74120

OstmeyerBixenman120A

Job Ticket: 55652

DST#: 5

ATTN: Pat Deenihan

Test Start: 2013.11.26 @ 10:00:00

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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100m	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:

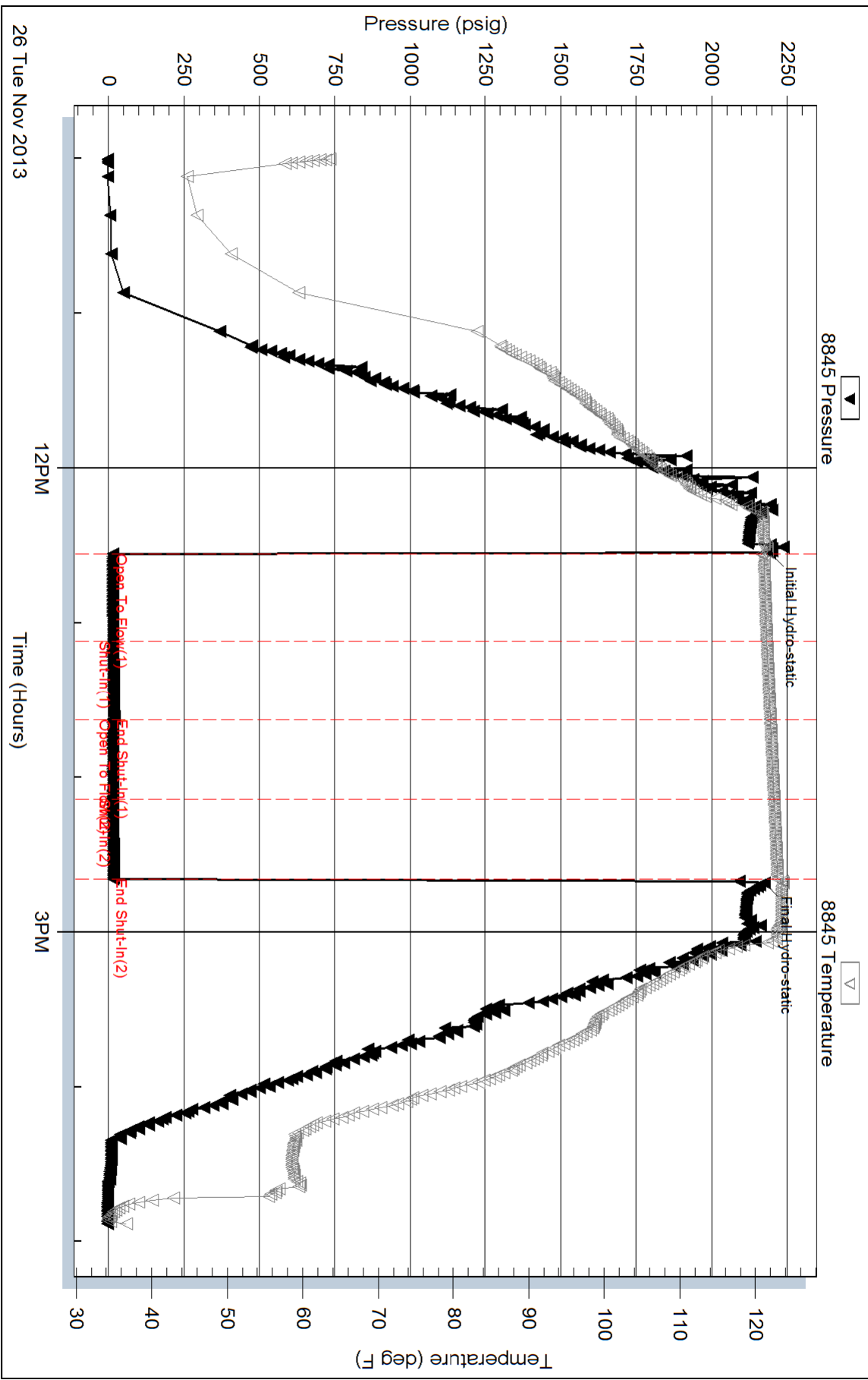
Serial #: 8845

Outside Culbreath Oil & Gas Company Inc.

Ostmyer/Bixenman 120A

DST Test Number: 5

Pressure vs. Time

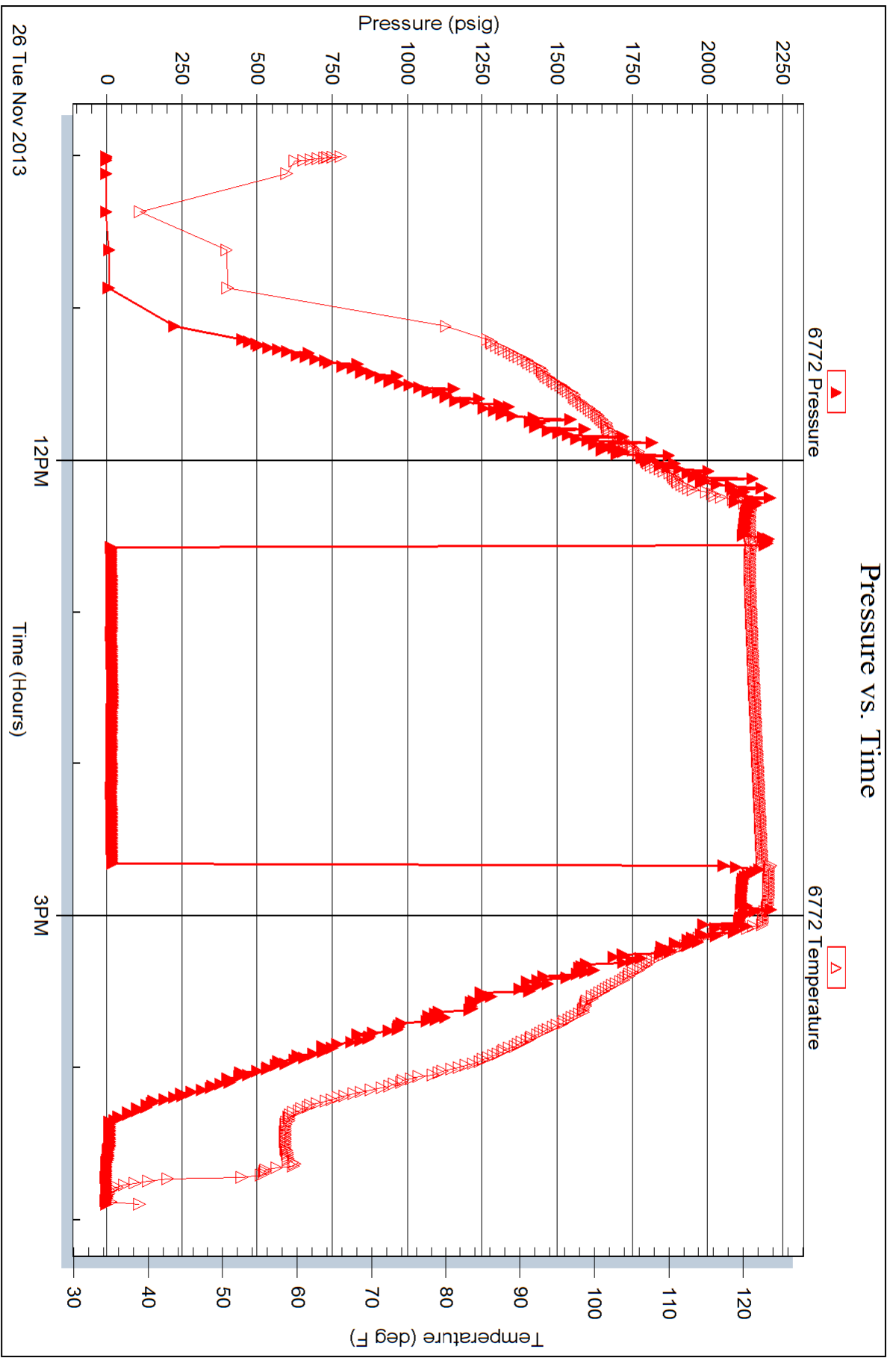


Serial #: 6772

Outside Culbreath Oil & Gas Company Inc.

Ostmeier/Bixenman 120A

DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 55652

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