



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Strata Expl. Inc.
P.O. Box 401
Fairfield, IL 62837-0401
ATTN: Jon Christensen

13-27s.-20w. Kiowa Co. Ks
Theda Rose A 1-13
Job Ticket: 51857 **DST#: 3**
Test Start: 2013.12.01 @ 04:44:06

GENERAL INFORMATION:

Formation: **Cherokee / Miss.**
Deviated: No Whipstock: 0.00 ft (KB)
Time Tool Opened: 07:51:51
Time Test Ended: 12:45:21
Interval: **4770.00 ft (KB) To 4853.00 ft (KB) (TVD)**
Total Depth: 4853.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Ryan Reynolds
Unit No: 48
Reference Elevations: 2274.00 ft (KB)
2263.00 ft (CF)
KB to GR/CF: 11.00 ft

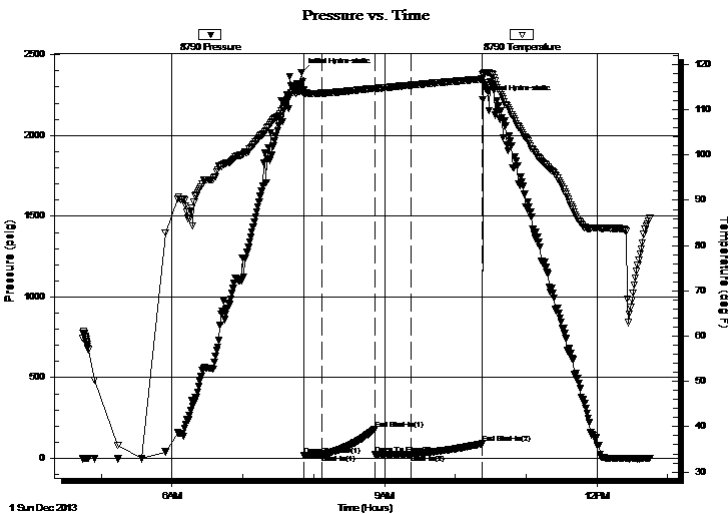
Serial #: 8790

Inside

Press@RunDepth: 25.48 psig @ 4771.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.12.01 End Date: 2013.12.01 Last Calib.: 2013.12.01
Start Time: 04:44:11 End Time: 12:45:20 Time On Btm: 2013.12.01 @ 07:49:36
Time Off Btm: 2013.12.01 @ 10:23:06

TEST COMMENT: IF: Weak blow . surf. - 1/2"
IS: No blow
FF: No blow
FS: No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2390.77	114.03	Initial Hydro-static
3	18.76	113.52	Open To Flow (1)
18	22.08	113.65	Shut-In(1)
62	180.87	114.74	End Shut-In(1)
63	23.82	114.65	Open To Flow (2)
93	25.48	115.43	Shut-In(2)
154	91.56	116.77	End Shut-In(2)
154	2223.87	117.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	OCM 2%oil, 98%mud	0.10

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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Theda Rose A 1-13

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DST#: 3

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Test Start: 2013.12.01 @ 04:44:06

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:

2400 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
20.00	OCM 2%oil, 98%mud	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

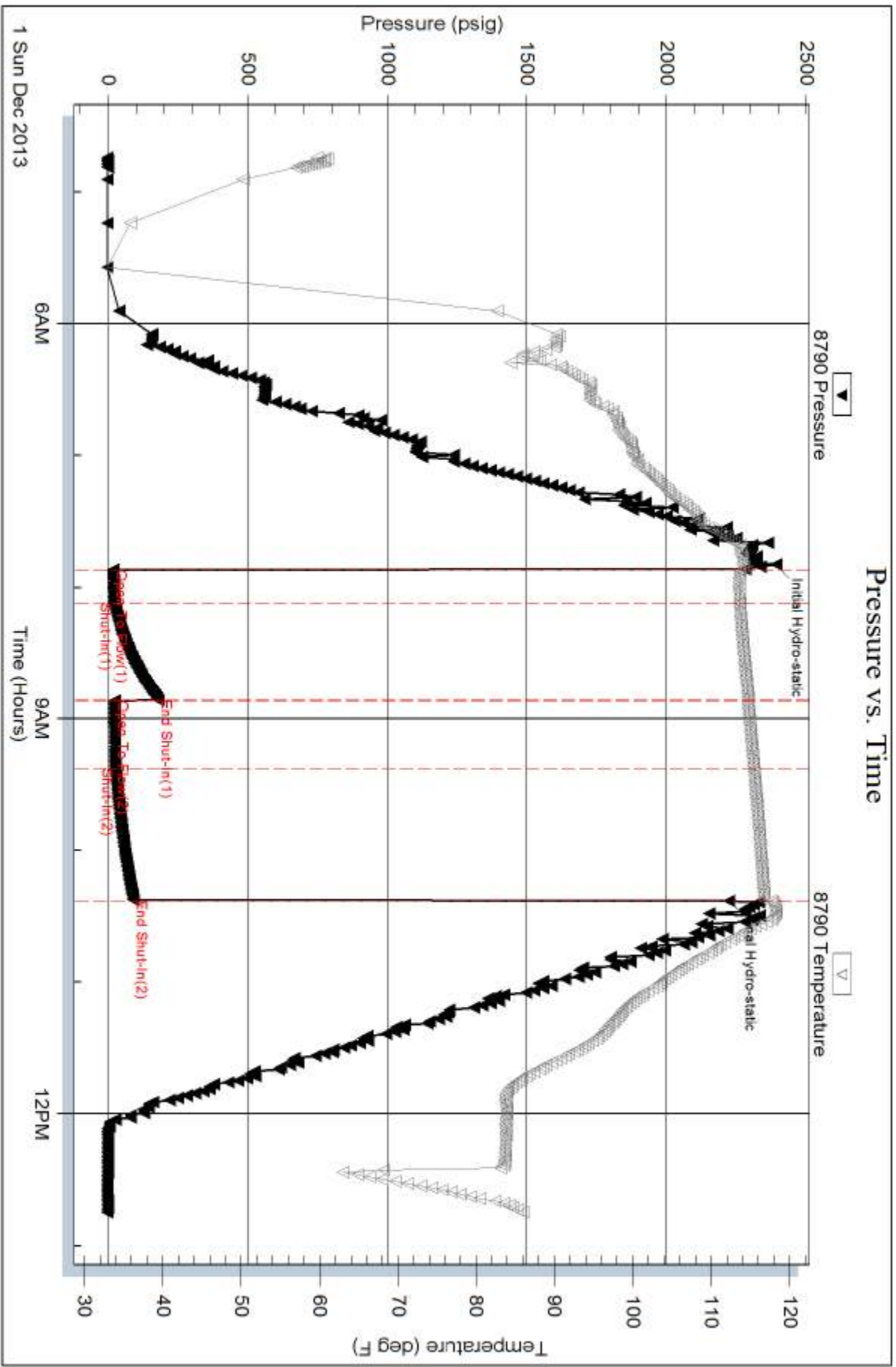
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Inside

Strata Expl. Inc.

Treda Rose A-1-13

DST Test Number: 3



Tribble Testing, Inc

Ref. No: 51857

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