



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Strata Exploration Inc

4-28S-18W Kiowa

PO Box 401
Fairfield, IL 62837

3-4 Aaron Einsel

ATTN: Jon Christensen

Job Ticket: 47485

DST#: 3

Test Start: 2012.04.21 @ 13:29:44

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:55:14

Time Test Ended: 21:34:14

Interval: 4800.00 ft (KB) To 4815.00 ft (KB) (TVD)

Total Depth: 4815.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 45

Reference Elevations: 2207.00 ft (KB)

2196.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 6798

Inside

Press @ Run Depth: 41.75 psig @ 4801.00 ft (KB)

Start Date: 2012.04.21

End Date: 2012.04.21

Start Time: 13:29:45

End Time: 21:34:14

Capacity: 8000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2012.04.21 @ 15:53:44

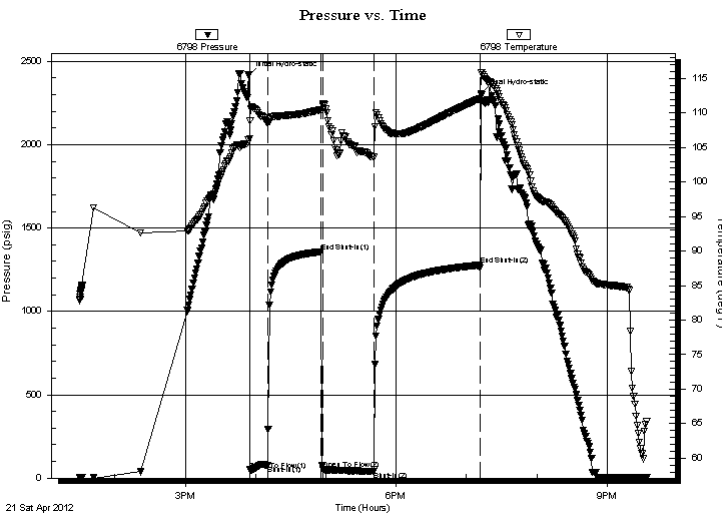
Time Off Btm: 2012.04.21 @ 19:12:29

TEST COMMENT: IF: Strong Blow, BOB in 10 seconds, GTS in 12 minutes, Gauged Gas

IS: No Blow Back

FF: Strong Blow, BOB & GTS Immediate, Gauged Gas & Caught Sample

FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2417.37	106.07	Initial Hydro-static
2	49.83	108.87	Open To Flow (1)
17	77.49	108.56	Shut-In(1)
63	1358.06	110.51	End Shut-In(1)
64	54.94	111.11	Open To Flow (2)
108	41.75	103.57	Shut-In(2)
198	1278.12	112.08	End Shut-In(2)
199	2306.16	115.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	4777 GIP	0.00
5.00	Mud	0.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	38.00	353.47
Last Gas Rate	0.50	12.00	178.09
Max. Gas Rate	0.50	38.00	353.47

* Recovery from multiple tests



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FLUID SUMMARY

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Test Start: 2012.04.21 @ 13:29:44

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: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	4777 GIP	0.000
5.00	Mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



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GAS RATES

Strata Exploration Inc

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Fairfield, IL 62837

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Job Ticket: 47485

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Test Start: 2012.04.21 @ 13:29:44

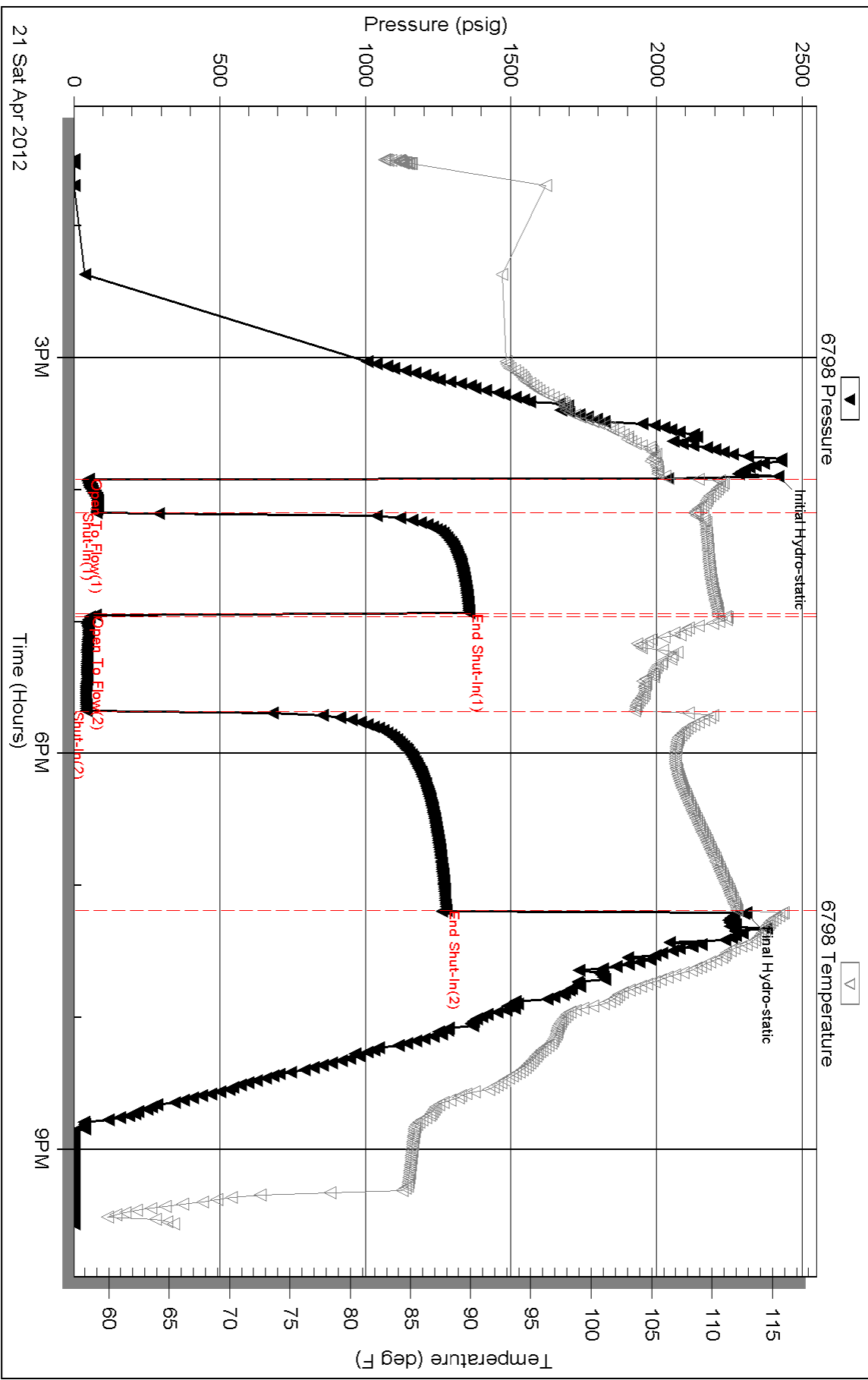
Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	15	0.50	38.00	353.47
2	10	0.50	18.00	218.56
2	20	0.50	16.00	205.07
2	30	0.50	14.00	191.58
2	40	0.50	12.00	178.09
2	45	0.50	12.00	178.09

Pressure vs. Time



Serial #: 8367

Outside Strata Exploration Inc

3-4 Aaron Ensel

DST Test Number: 3

