



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

AARON EINSEL #2-3
3-28s-18w-KW-KS
Job Ticket: 41386 **DST#: 2**
Test Start: 2011.02.12 @ 07:50:00

GENERAL INFORMATION:

Formation: **MISSISSIPPIAN CHERT**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:23:30

Time Test Ended: 16:43:45

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 43

Interval: 4766.00 ft (KB) To 4818.00 ft (KB) (TVD)

Reference Elevations: 2212.00 ft (KB)

Total Depth: 4818.00 ft (KB) (TVD)

2203.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 9.00 ft

Serial #: 6799 Outside

Press @ Run Depth: 118.62 psig @ 4801.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.02.12 End Date: 2011.02.12

Last Calib.: 2011.02.12

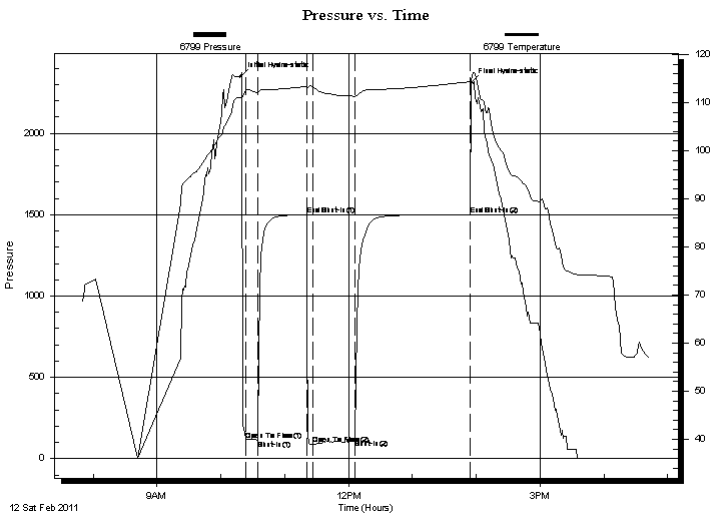
Start Time: 07:50:05 End Time: 16:43:45

Time On Btm: 2011.02.12 @ 10:18:15

Time Off Btm: 2011.02.12 @ 13:55:30

TEST COMMENT: IF: Strong blow, BOB 30 seconds, GTS 7 minutes.
IS: Bled off, w eak surface blow back.
FF: Strong blow, BOB 10 seconds. Guage gas (see gas rate page).
FS: Bled off, no blow back.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2346.97	111.11	Initial Hydro-static
6	115.84	112.66	Open To Flow (1)
17	116.19	111.99	Shut-In(1)
63	1498.51	113.39	End Shut-In(1)
68	87.24	113.24	Open To Flow (2)
108	118.62	111.22	Shut-In(2)
217	1498.89	114.35	End Shut-In(2)
218	2312.04	114.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	HGC.SOC.M 20%g5%o75%m	0.59
70.00	HGC.SOC.M 15%g5%o80%m	0.34
90.00	OSM 1%o 99%m	0.99

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	35.00	333.24
Last Gas Rate	0.50	20.00	232.05
Max. Gas Rate	0.50	35.00	333.24



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FLUID SUMMARY

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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: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.18 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	HGC.SOC.M 20%g5%o75%m	0.590
70.00	HGC.SOC.M 15%g5%o80%m	0.344
90.00	OSM 1%o 99%m	0.989

Total Length: 280.00 ft Total Volume: 1.923 bbl
Num Fluid Samples: 1 Num Gas Bombs: 0 Serial #:
Laboratory Name: Caraway Laboratory Location: Liberal, KS
Recovery Comments:



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GAS RATES

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Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	10	0.50	35.00	333.24
1	10	0.50	35.00	333.24
1	15	0.50	31.00	306.25
2	10	0.50	20.00	232.05

