

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Mid Continent Energy Corp.

1-22s-16w Pawnee Ks.

105 S. Broadway, Ste. 360
Wichita Ks. 67202

WFY #1-1

Job Ticket: 51798

DST#: 2

ATTN: Ben Landis

Test Start: 2014.01.03 @ 02:42:05

GENERAL INFORMATION:

Formation: **Simpson**

Deviated: **No Whipstock** ft (KB)

Time Tool Opened: 05:58:50

Time Test Ended: 12:08:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Fevoteaux

Unit No: 56

Interval: **3860.00 ft (KB) To 3918.00 ft (KB) (TVD)**

Total Depth: 3918.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1996.00 ft (KB)

1989.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: **8352**

Inside

Press@RunDepth: 969.56 psig @ 3861.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.01.03 End Date: 2014.01.03

Last Calib.: 2014.01.03

Start Time: 02:42:10 End Time: 12:08:50

Time On Btm: 2014.01.03 @ 05:55:20

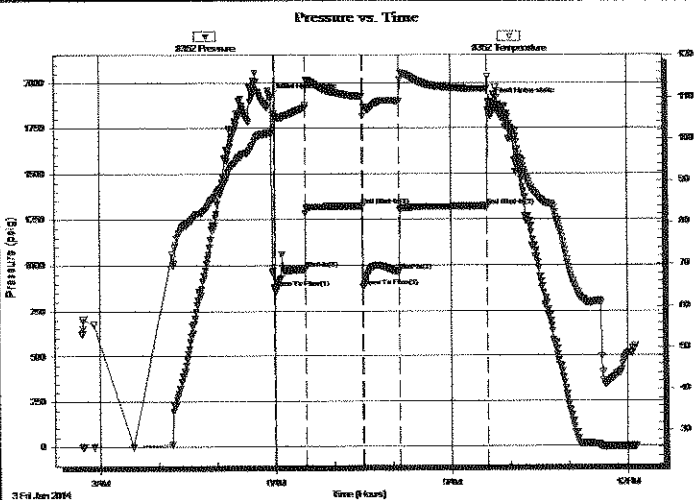
Time Off Btm: 2014.01.03 @ 09:39:20

TEST COMMENT: IF: Strong blow. GTS in 2 1/2 mins. (See gas flow report)

IS: Weak blow. 1 1/2".

FF: Strong blow. (See gas report)

FIS: Weak blow. 1 - 3".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1921.62	101.35	Initial Hydro-static
4	875.29	105.71	Open To Flow (1)
36	977.57	107.34	Shut-In(1)
94	1322.11	110.17	End Shut-In(1)
95	881.17	105.25	Open To Flow (2)
132	969.56	109.03	Shut-In(2)
222	1321.48	112.00	End Shut-In(2)
224	1893.90	106.26	Final Hydro-static

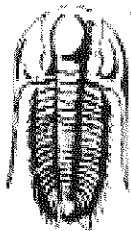
Recovery

Length (ft)	Description	Volume (bbl)
45.00	MCO 7% m 93% o (condensate)	0.63

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	1.00	138.00	4375.57
Last Gas Rate	1.00	200.00	6158.00
Max. Gas Rate	1.00	200.00	6158.00



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FLUID SUMMARY

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WFY #1-1

Job Ticket: 51798

DST#: 2

ATTN: Ben Landis

Test Start: 2014.01.03 @ 02:42:05

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:	8400 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.98 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 8400.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	MCO 7% m 93% o (condensate)	0.631

Total Length: 45.00 ft Total Volume: 0.631 bbl

Num Fluid Samples: 0 Num Gas Bombs: 1 Serial #: gp-2

Laboratory Name: Caraway Laboratory Location: Liberal, KS

Recovery Comments: Measured 262 ppm H₂S on rig floor

Serial #: 8352

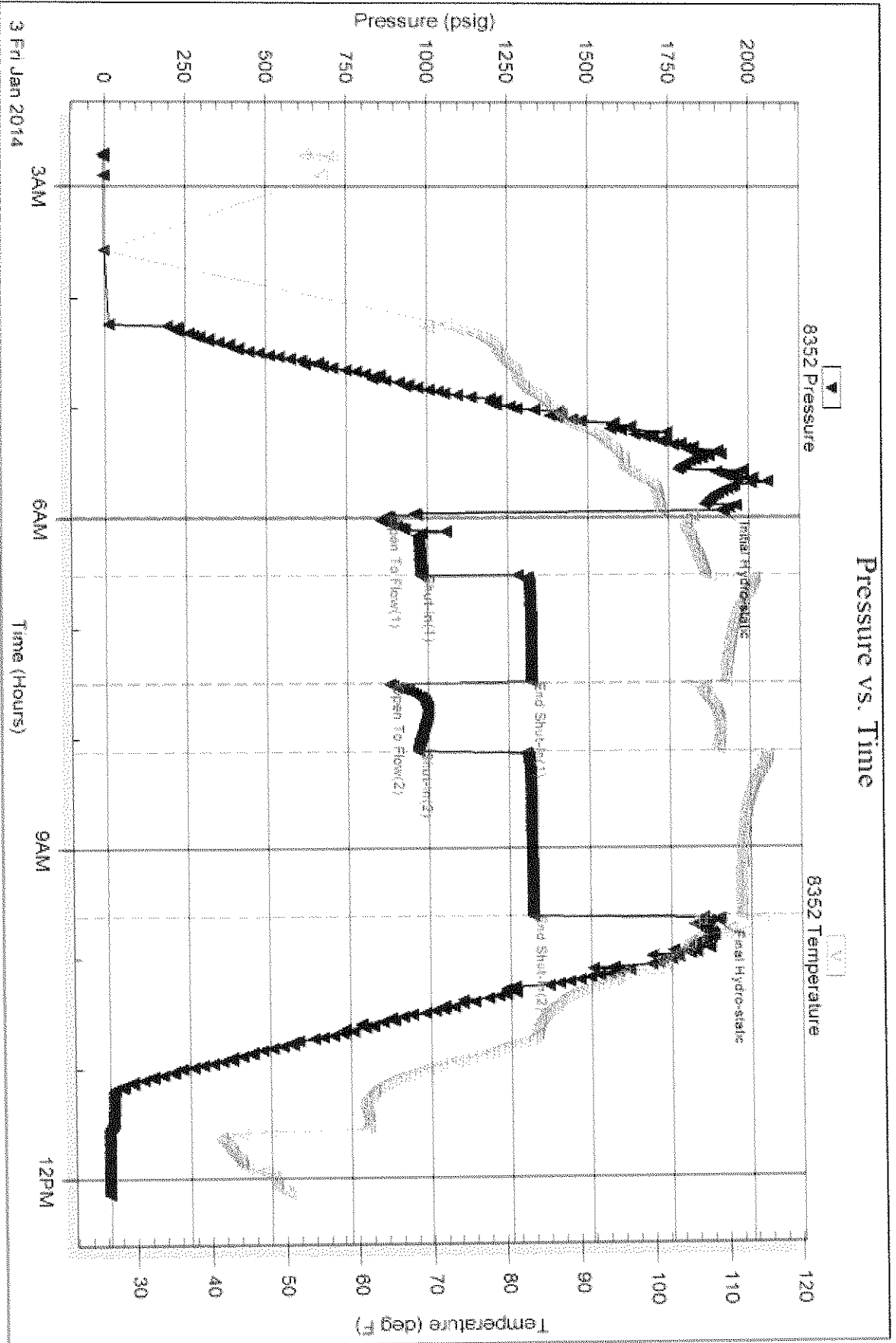
Inside

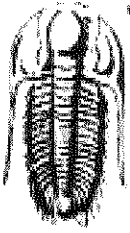
M&C Continent Energy Corp.

WFL #1-1

DST Test Number 2

Pressure vs. Time





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GAS RATES

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WFY #1-1

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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	10	1.00	138.00	4375.57
1	20	1.00	160.00	5008.04
1	30	1.00	158.00	4950.55
2	10	1.00	120.00	3858.09
2	20	1.00	186.00	5755.51
2	30	1.00	194.00	5985.50
2	40	1.00	200.00	6158.00