

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: 51797

DST#: 1

ATTN: Ben Landis

Test Start: 2014.01.01 @ 01:02:38

GENERAL INFORMATION:

Formation: LKC

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:10:08

Time Test Ended: 09:58:38

Test Type: Conventional Bottom Hole (Initial)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 3519.00 ft (KB) To 3545.00 ft (KB) (TVD)

Total Depth: 3545.00 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: 170.33 psig @ 3520.00 ft (KB)

Start Date: 2014.01.01

End Date: 2014.01.01

Capacity: 8000.00 psig

Last Calib.: 2014.01.01

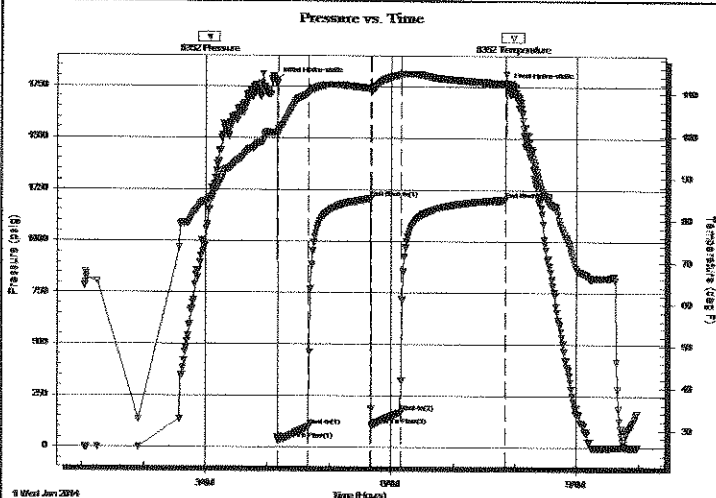
Start Time: 01:02:43

End Time: 09:58:38

Time On Btm: 2014.01.01 @ 04:07:38

Time Off Btm: 2014.01.01 @ 07:52:23

TEST COMMENT: IF: Strong blow .B.O.B. in 85 secs.
IS: Weak blow . 1/2 - 3/4".
FF: Fair to strong blow . B.O.B. in 17 mins.
FS: Weak blow . 1/2 - 4 1/2".



PRESSURE SUMMARY

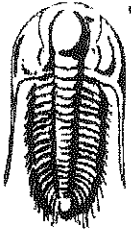
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1772.27	100.63	Initial Hydro-static
3	34.81	100.92	Open To Flow (1)
32	98.23	109.98	Shut-In(1)
93	1206.69	111.26	End Shut-In(1)
94	103.98	110.93	Open To Flow (2)
122	170.33	114.35	Shut-In(2)
224	1203.24	112.44	End Shut-In(2)
225	1750.22	112.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	640 ft. of GIP	0.00
85.00	GCMW 18%g 19%o 21%m 42%w	1.19
125.00	GM&OCW 15%g 8%m 8%o 69%w	1.75
125.00	SW /Rw .13ohms @ 41deg	1.75

Gas Rates

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



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WFY #1-1

Job Ticket: 51797 **DST#: 1**

ATTN: Ben Landis

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 Deviated: **No** Whipstock: _____ ft (KB)
 Time Tool Opened: 04:10:08
 Time Test Ended: 09:58:38
 Interval: **3519.00 ft (KB) To 3545.00 ft (KB) (TVD)**
 Total Depth: 3545.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gary Pevoteaux
 Unit No: 56
 Reference Elevations: 1996.00 ft (KB)
 1989.00 ft (CF)
 KB to GR/CF: 7.00 ft

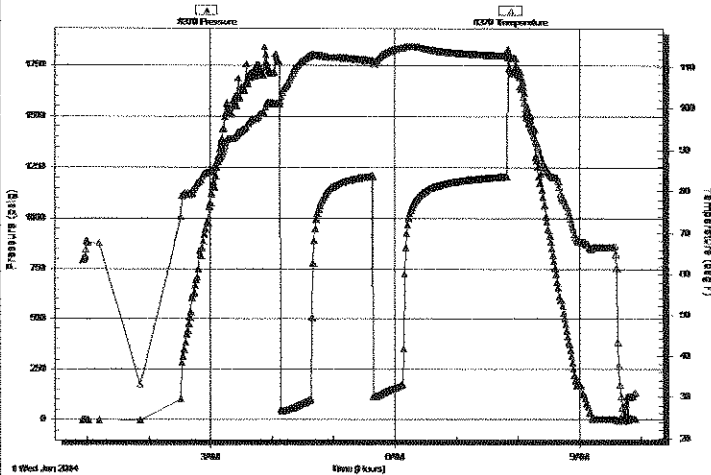
Serial #: 8370

Outside

Press@RunDepth: _____ psig @ 3520.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.01.01 End Date: 2014.01.01 Last Calib.: 2014.01.01
 Start Time: 00:55:39 End Time: 09:55:19 Time On Btm:
 Time Off Btm:

TEST COMMENT:
 IF: Strong blow .B.O.B. in 85 secs.
 IS:Weak blow . 1/2 - 3/4".
 FF:Fair to strong blow . B.O.B. in17 mins.
 FS:Weak blow . 1/2 - 4 1/2".

Pressure vs. Time



PRESSURE SUMMARY

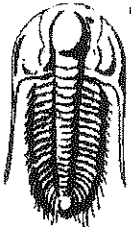
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
0.00	640 ft. of GIP	0.00
85.00	GCMW 18%g 19%o 21%m 42%w	1.19
125.00	GM&OCW 15%g 8%m 8%o 69%w	1.75
125.00	SW/Rw .13ohms @ 41deg	1.75

Gas Rates

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



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FLUID SUMMARY

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1-22s-16w Pawnee Ks.

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

WFY #1-1

Job Ticket: 51797

DST#: 1

ATTN: Ben Landis

Test Start: 2014.01.01 @ 01:02:38

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity: 101000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.59 in*

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 54000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	640 ft. of GIP	0.000
85.00	GCMW 18%g 19%o 21%m 42%w	1.192
125.00	GM&OCW 15%g 8%m 8%o 69%w	1.753
125.00	SW /Rw .13ohms @ 41deg	1.753

Total Length: 335.00 ft

Total Volume: 4.698 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8352

Inside

Mtd Continent Energy Corp.

WFY #1-1

DST Test Number: 1

Pressure vs. Time

