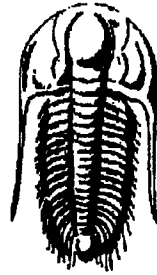


15-185-23637

33-24s-13w



**TRILOBITE
TESTING, INC.**

**KCC
JAN 12 2011
CONFIDENTIAL**

DRILL STEM TEST REPORT

Prepared For: **Mid-Continent Energy Corporation**

105 S Broadway Ste 360
Wichita KS 67202

ATTN: Ben C Landes

33 24 13 Stafford,KS

Russell #1

Start Date: 2010.10.10 @ 14:00:11

End Date: 2010.10.10 @ 22:03:26

Job Ticket #: 37449 DST #: 1

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

**RECEIVED
JAN 13 2011
KCC WICHITA**

Mid-Continent Energy Corporation

Russell #1

33 24 13 Stafford,KS

DST # 1

Lansing KC "J"

2010.10.10



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mid-Continent Energy Corporation

Russell #1

105 S Broadway Ste 360
Wichita KS 67202

33 24 13 Stafford,KS

Job Ticket: 37449

DST#: 1

ATTN: Ben C Landes

Test Start: 2010.10.10 @ 14:00:11

GENERAL INFORMATION:

Formation: **Lansing KC "J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:46:56

Time Test Ended: 22:03:26

Test Type: Conventional Bottom Hole

Tester: Esak Hadley

Unit No: 28

Interval: 3819.00 ft (KB) To 3834.00 ft (KB) (TVD)

Reference Elevations: 1947.00 ft (KB)

Total Depth: 3834.00 ft (KB) (TVD)

1938.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8676

Inside

Press@RunDepth: 25.26 psig @ 3820.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.10.10 End Date: 2010.10.10

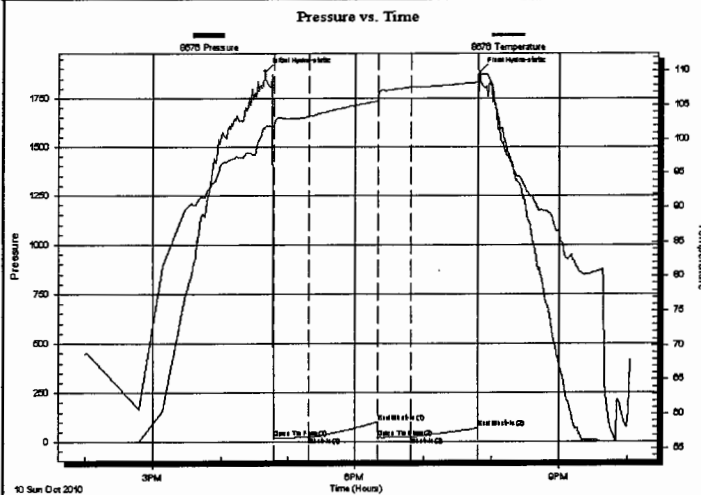
Last Calib.: 2010.10.10

Start Time: 14:00:16 End Time: 22:03:25

Time On Btm: 2010.10.10 @ 16:39:11

Time Off Btm: 2010.10.10 @ 19:49:41

TEST COMMENT: IF Weak blow . No more than 2".
ISI No blow .
FF Weak blow . Slow increase to 3".
FSI No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1887.71	101.50	Initial Hydro-static
8	19.03	101.73	Open To Flow (1)
40	23.53	103.37	Shut-In(1)
101	100.55	105.55	End Shut-In(1)
102	20.42	106.22	Open To Flow (2)
130	25.26	107.62	Shut-In(2)
189	68.31	108.32	End Shut-In(2)
191	1886.68	109.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	SGCM w / o specs 2%g 98%o specs	0.42

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mid-Continent Energy Corporation

Russell #1

105 S Broadway Ste 360
Wichita KS 67202

33 24 13 Stafford, KS

Job Ticket: 37449

DST#: 1

ATTN: Ben C Landes

Test Start: 2010.10.10 @ 14:00:11

Tool Information

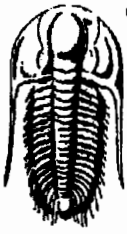
Drill Pipe:	Length: 3822.00 ft	Diameter: 3.80 inches	Volume: 53.61 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 53.61 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3819.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	43.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3792.00	
Shut In Tool	5.00			3797.00	
Hydraulic tool	5.00			3802.00	
Jars	5.00			3807.00	
Safety Joint	2.00			3809.00	
Packer	5.00			3814.00	28.00 Bottom Of Top Packer
Packer	5.00			3819.00	
Stubb	1.00			3820.00	
Recorder	0.00	8676	Inside	3820.00	
Recorder	0.00	6773	Outside	3820.00	
Perforations	11.00			3831.00	
Bullnose	3.00			3834.00	15.00 Bottom Packers & Anchor

Total Tool Length: 43.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mid-Continent Energy Corporation

Russell #1

105 S Broadway Ste 360
Wichita KS 67202

33 24 13 Stafford,KS

Job Ticket: 37449

DST#: 1

ATTN: Ben C Landes

Test Start: 2010.10.10 @ 14:00:11

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: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.35 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 8000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	SGCM w/ o specs 2%g 98%mo specs	0.421

Total Length: 30.00 ft Total Volume: 0.421 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: 30' GIP

Serial #: 8676

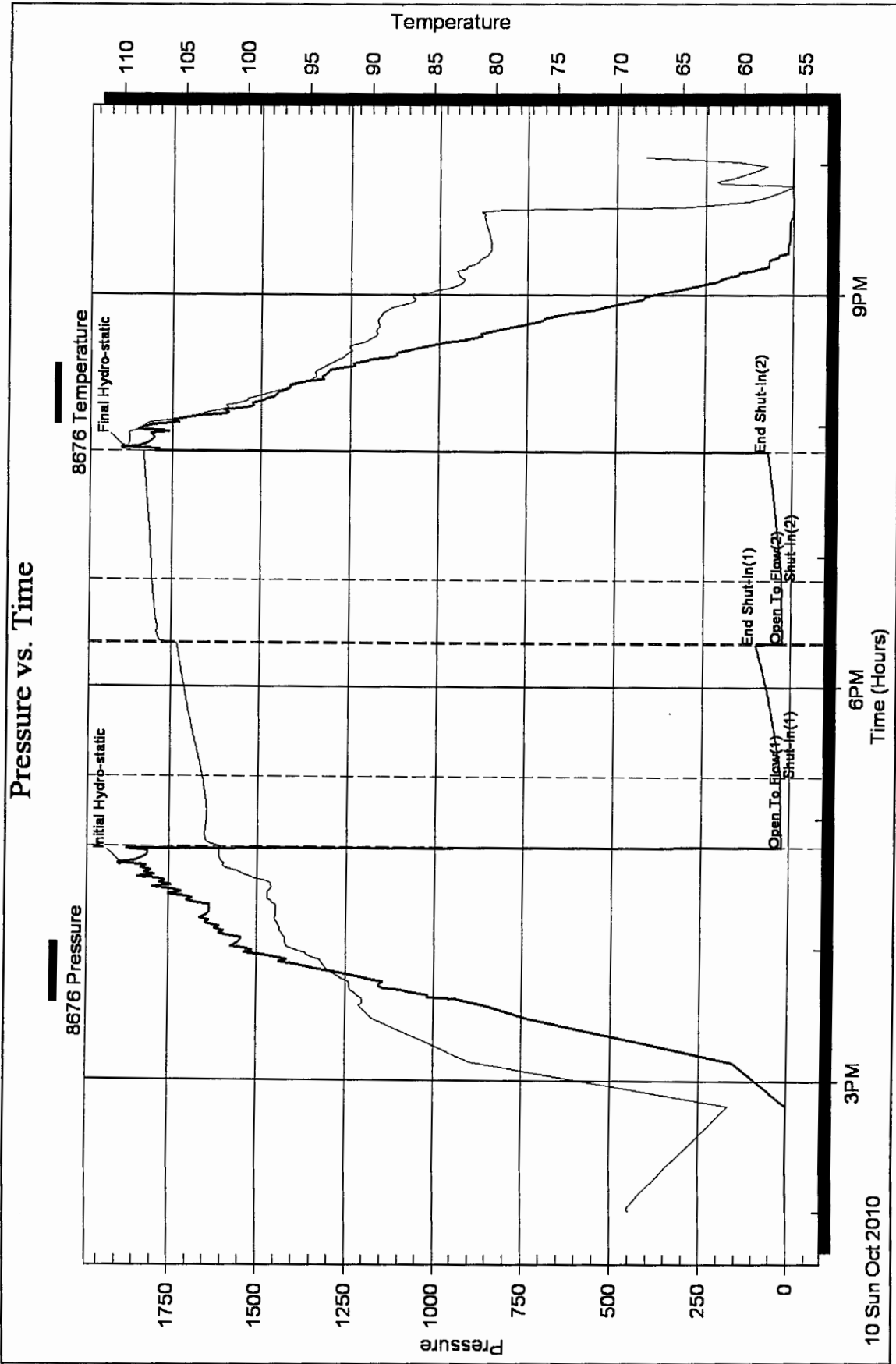
Inside

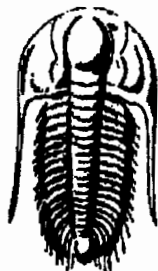
Mid-Continent Energy Corporation

33 24 13 Stafford, KS

DST Test Number: 1

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

KCC
JAN 12 2011
CONFIDENTIAL

DRILL STEM TEST REPORT

Prepared For: **Mid-Continent Energy Corporation**

105 S Broadway Ste 360
Wichita KS 67202

ATTN: Ben C Landes

33 24 13 Stafford,KS

Russell #1

Start Date: 2010.10.11 @ 10:23:08

End Date: 2010.10.11 @ 20:51:23

Job Ticket #: 37450 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mid-Continent Energy Corporation

Russell #1

105 S Broadway Ste 360
Wichita KS 67202

33 24 13 Stafford, KS

ATTN: Ben C Landes

Job Ticket: 37450

DST#: 2

Test Start: 2010.10.11 @ 10:23:08

GENERAL INFORMATION:

Formation: **Swope/Hertha**

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

Time Tool Opened: 13:32:53

Time Test Ended: 20:51:23

Test Type: **Conventional Bottom Hole**

Tester: **Esak Hadley**

Unit No: **28**

Interval: **3852.00 ft (KB) To 3909.00 ft (KB) (TVD)**

Total Depth: **3909.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1947.00 ft (KB)**

1938.00 ft (CF)

KB to GR/CF: **9.00 ft**

Serial #: 8676

Inside

Press@RunDepth: **223.33 psig @ 3853.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.10.11**

End Date:

2010.10.11

Last Calib.: **2010.10.11**

Start Time: **10:23:13**

End Time:

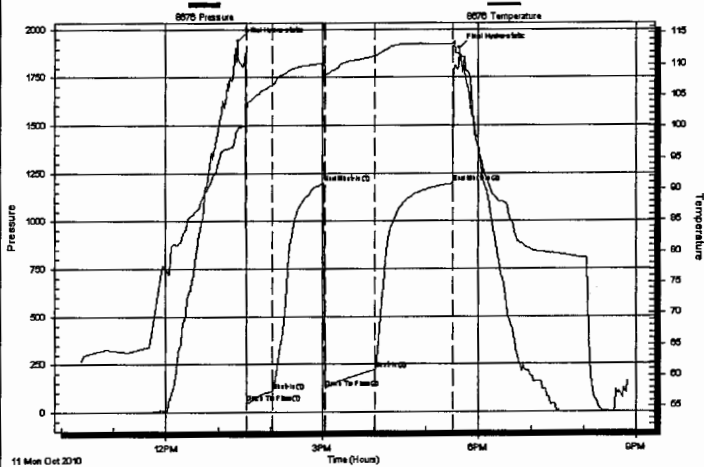
20:51:23

Time On Btm: **2010.10.11 @ 13:22:38**

Time Off Btm: **2010.10.11 @ 17:38:23**

TEST COMMENT: IF Strong blow BOB in 30 sec GTS in 30 min
ISI Weak blow BOB in 35 min
FF Strong blow BOB in 2 sec
FSI Weak blow BOB in 15 min

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1939.17	99.37	Initial Hydro-static
11	51.63	102.33	Open To Flow (1)
41	110.86	106.65	Shut-In(1)
100	1198.40	110.12	End Shut-In(1)
102	128.63	108.51	Open To Flow (2)
159	223.33	111.36	Shut-In(2)
249	1197.95	113.21	End Shut-In(2)
256	1904.51	111.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
16.00	SGCOM 2%g 18%o 80%m	0.22
62.00	GCOM 1%g 30%o 60%m	0.87
248.00	MCGO 20%m 35%g 45%o	3.48
124.00	MCGO 20%m 20%g 60%o	1.74

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	7.00	8.01
Last Gas Rate	0.13	23.00	14.00
Max. Gas Rate	0.13	23.00	14.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mid-Continent Energy Corporation

Russell #1

105 S Broadway Ste 360
Wichita KS 67202

33 24 13 Stafford,KS

Job Ticket: 37450

DST#: 2

ATTN: Ben C Landes

Test Start: 2010.10.11 @ 10:23:08

Tool Information

Drill Pipe:	Length: 3854.00 ft	Diameter: 3.80 inches	Volume: 54.06 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 76000.00 lb
			<u>Total Volume: 54.06 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3852.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	57.00 ft			
Tool Length:	85.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3825.00	
Shut In Tool	5.00			3830.00	
Hydraulic tool	5.00			3835.00	
Jars	5.00			3840.00	
Safety Joint	2.00			3842.00	
Packer	5.00			3847.00	28.00 Bottom Of Top Packer
Packer	5.00			3852.00	
Stubb	1.00			3853.00	
Recorder	0.00	8676	Inside	3853.00	
Recorder	0.00	6773	Outside	3853.00	
Perforations	9.00			3862.00	
Change Over Sub	1.00			3863.00	
Blank Spacing	31.00			3894.00	
Change Over Sub	1.00			3895.00	
Perforations	11.00			3906.00	
Bullnose	3.00			3909.00	57.00 Bottom Packers & Anchor
Total Tool Length:	85.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mid-Continent Energy Corporation

Russell #1

105 S Broadway Ste 360
Wichita KS 67202

33 24 13 Stafford,KS

Job Ticket: 37450

DST#: 2

ATTN: Ben C Landes

Test Start: 2010.10.11 @ 10:23:08

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

23.4 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.76 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
16.00	SGCOM 2%g 18%o 80%m	0.224
62.00	GCOM 1%g 30%o 60%m	0.870
248.00	MCGO 20%m 35%g 45%o	3.479
124.00	MCGO 20%m 20%g 60%o	1.739

Total Length: 450.00 ft

Total Volume: 6.312 bbl

Num Fluid Samples: 1

Num Gas Bombs: 1

Serial #: eh-1

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Mid-Continent Energy Corporation

Russell #1

105 S Broadway Ste 360
Wichita KS 67202

33 24 13 Stafford,KS

ATTN: Ben C Landes

Job Ticket: 37450

DST#: 2

Test Start: 2010.10.11 @ 10:23:08

Gas Rates Information

Temperature: 59 deg C

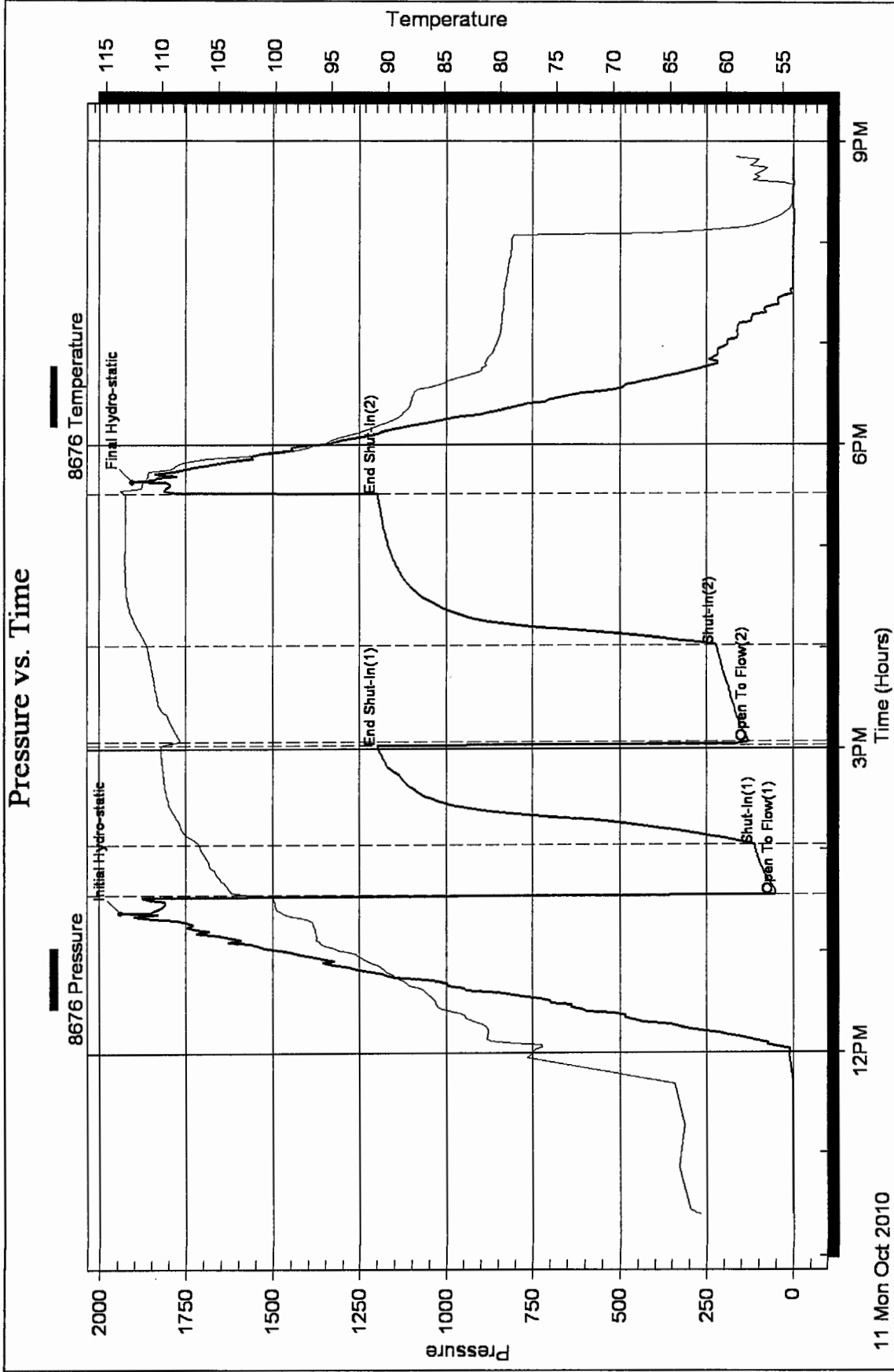
Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

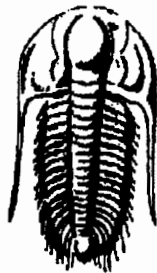
Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
2	10	0.13	7.00	8.01
2	10	0.13	7.00	8.01
2	20	0.13	11.00	9.51
2	30	0.13	15.00	11.00
2	40	0.13	20.00	12.88
2	50	0.13	23.00	14.00

Pressure vs. Time



11 Mon Oct 2010

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Mid-Continent Energy Corporation**

105 S Broadway Ste 360
Wichita KS 67202

ATTN: Ben C Landes

33 24 13 Stafford,KS

Russell #1

Start Date: 2010.10.12 @ 10:46:50

End Date: 2010.10.12 @ 20:54:50

Job Ticket #: 39476 DST #: 3

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mid-Continent Energy Corporation

Russell #1

105 S Broadway Ste 360
Wichita KS 67202

33 24 13 Stafford,KS

Job Ticket: 39476

DST#: 3

ATTN: Ben C Landes

Test Start: 2010.10.12 @ 10:46:50

GENERAL INFORMATION:

Formation: **Mississippi**

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

Time Tool Opened: 14:25:05

Time Test Ended: 20:54:50

Test Type: **Conventional Bottom Hole**

Tester: **Esak Hadley**

Unit No: **28**

Interval: **3963.00 ft (KB) To 4023.00 ft (KB) (TVD)**

Total Depth: **4023.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1947.00 ft (KB)**

1938.00 ft (CF)

KB to GR/CF: **9.00 ft**

Serial #: 8676

Inside

Press@RunDepth: **27.51 psig @ 3964.00 ft (KB)**

Start Date: **2010.10.12**

End Date:

2010.10.12

Capacity: **8000.00 psig**

Last Calib.: **2010.10.12**

Start Time: **10:46:55**

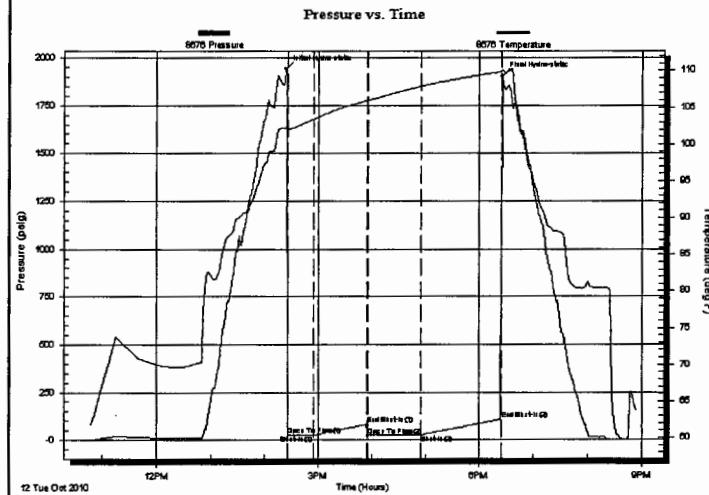
End Time:

20:54:50

Time On Btm: **2010.10.12 @ 14:23:05**

Time Off Btm: **2010.10.12 @ 18:25:34**

TEST COMMENT: IF Weak blow. Slow increase to 4".
ISI No blow.
FF Weak blow. Slow increase to 3".
FSI No blow.



PRESSURE SUMMARY

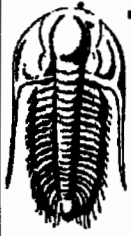
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1940.49	102.19	Initial Hydro-static
2	26.29	102.03	Open To Flow (1)
32	26.02	103.41	Shut-In(1)
92	81.69	105.91	End Shut-In(1)
93	22.34	105.91	Open To Flow (2)
152	27.51	107.86	Shut-In(2)
242	107.01	109.82	End Shut-In(2)
243	1904.52	110.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	drlg mud w/ oil specs	0.28

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mid-Continent Energy Corporation

Russell #1

105 S Broadway Ste 360
Wichita KS 67202

33 24 13 Stafford,KS

Job Ticket: 39476

DST#: 3

ATTN: Ben C Landes

Test Start: 2010.10.12 @ 10:46:50

Tool Information

Drill Pipe:	Length: 3951.00 ft	Diameter: 3.80 inches	Volume: 55.42 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 55.42 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3963.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	88.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3936.00	
Shut In Tool	5.00			3941.00	
Hydraulic tool	5.00			3946.00	
Jars	5.00			3951.00	
Safety Joint	2.00			3953.00	
Packer	5.00			3958.00	28.00 Bottom Of Top Packer
Packer	5.00			3963.00	
Stubb	1.00			3964.00	
Recorder	0.00	8676	Inside	3964.00	
Recorder	0.00	6773	Outside	3964.00	
Perforations	9.00			3973.00	
Change Over Sub	1.00			3974.00	
Blank Spacing	31.00			4005.00	
Change Over Sub	1.00			4006.00	
Perforations	14.00			4020.00	
Bullnose	3.00			4023.00	60.00 Bottom Packers & Anchor
Total Tool Length:	88.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mid-Continent Energy Corporation

Russell #1

105 S Broadway Ste 360
Wichita KS 67202

33 24 13 Stafford,KS

Job Ticket: 39476

DST#: 3

ATTN: Ben C Landes

Test Start: 2010.10.12 @ 10:46:50

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: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.37 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 10000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	drlg mud w / oil specs	0.281

Total Length: 20.00 ft Total Volume: 0.281 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

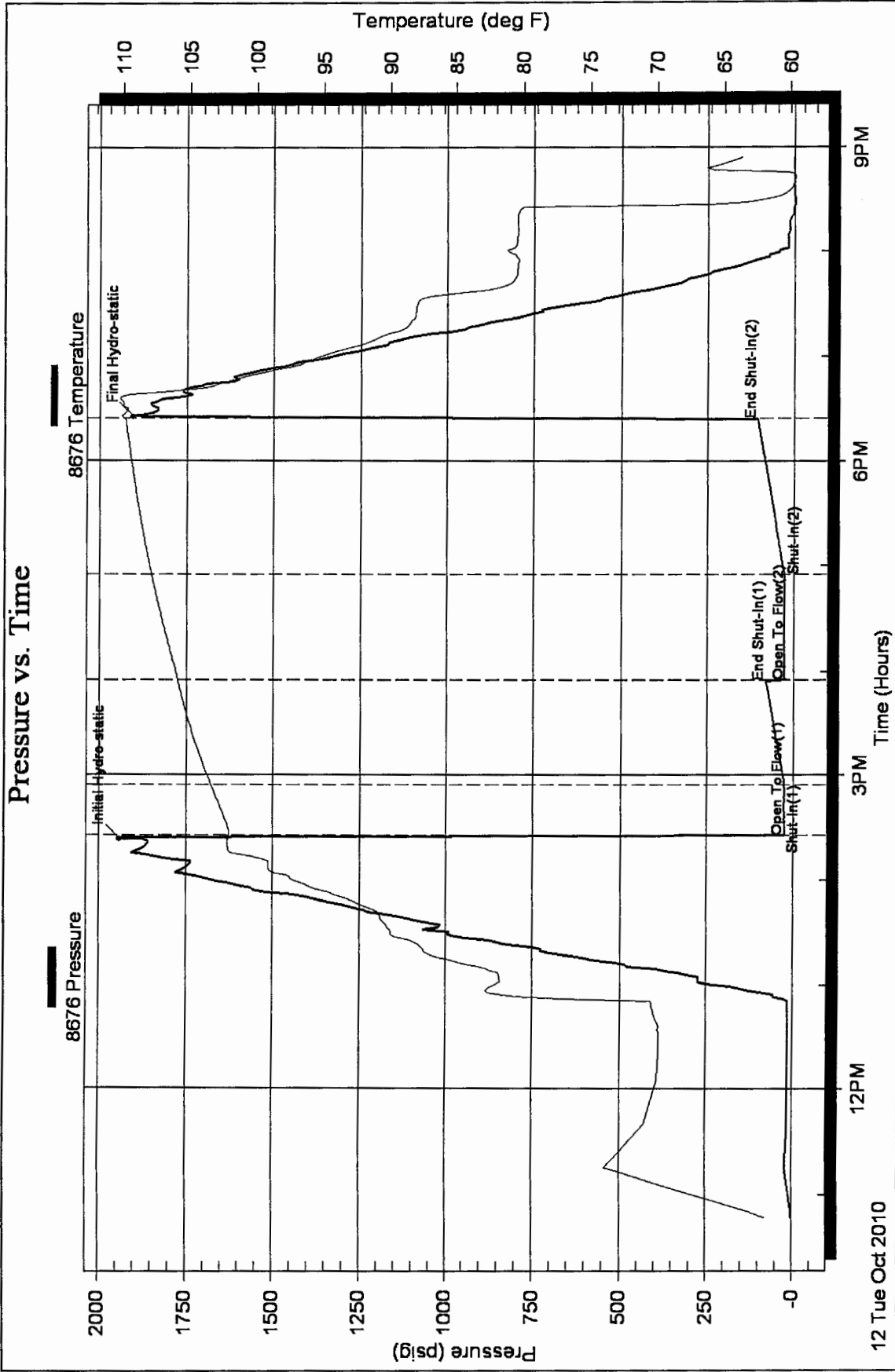
Serial #:

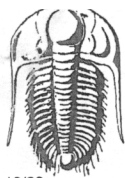
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

OCT 13 2010

Test Ticket

NO. 37449 14908

Well Name & No. Russell #1 Test No. 1 Date 10.10.10
 Company Mid-Continent Energy Corporation Elevation 1947 KB 1938 GL
 Address 105 S. Broadway Ste 360 Wichita KS 67202
 Co. Rep / Geo. Ben C. Landes Rig Maverick Drlg #106
 Location: Sec. 33 Twp. 24s Rge. 13w Co. Stafford State KS

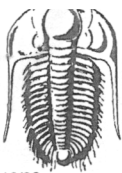
Interval Tested 3819-3834 Zone Tested Lansing KC "J"
 Anchor Length 15 Drill Pipe Run 3822 Mud Wt. 9.3
 Top Packer Depth 3814 Drill Collars Run Ø Vis 58
 Bottom Packer Depth 3819 Wt. Pipe Run Ø WL 10.4
 Total Depth 3834 Chlorides 8000 ppm System LCM Ø#
 Blow Description IF: Weak blow. No more than 2"
ISI: No blow.
FF: Weak blow. Slow increase to 3"
FSI: No blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>SGCM w/o specs</u>	<u>2</u>	<u>Specs</u>	<u>98</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 30 BHT 108 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1888</u>	<input checked="" type="checkbox"/> Test <u>1125"</u>	T-On Location <u>1245</u>
(B) First Initial Flow <u>19</u>	<input checked="" type="checkbox"/> Jars <u>250"</u>	T-Started <u>1400</u>
(C) First Final Flow <u>24</u>	<input checked="" type="checkbox"/> Safety Joint <u>75"</u>	T-Open <u>1646</u>
(D) Initial Shut-In <u>101</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>1947</u>
(E) Second Initial Flow <u>21</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>2203</u>
(F) Second Final Flow <u>25</u>	<input checked="" type="checkbox"/> Mileage <u>45m 56.25</u>	Comments <u>30' GIP</u>
(G) Final Shut-In <u>68</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1887</u>	<input type="checkbox"/> Straddle _____	
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	Sub Total <u>Ø</u>
	<input type="checkbox"/> Accessibility _____	Total <u>1506.25</u>
	Sub Total <u>1506.25</u>	

Approved By _____ Our Representative Ben Landes
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

OCT 13 2010

Test Ticket

NO. 37450

Well Name & No. Russell #1 Test No. 2 Date 10.11.10
 Company Mid-Continent Energy Corporation Elevation 1947 KB 1938 GL
 Address 105 S. Broadway Ste 360 Wichita KS 67202
 Co. Rep / Geo. Ben C. Landes Rig Maverick Drlg #106
 Location: Sec. 33 Twp. 24s Rge. 13w Co. Stafford State KS

Interval Tested 3852-3909 Zone Tested Swope/Hertha
 Anchor Length 57 Drill Pipe Run 3854 Mud Wt. 9.1
 Top Packer Depth 3847 Drill Collars Run Ø Vis 54
 Bottom Packer Depth 3852 Wt. Pipe Run Ø WL 10.8
 Total Depth 3909 Chlorides 9000 ppm System LCM Ø#

Blow Description IF: Strong blow. BOB in 30 sec. GTS in 30 min (see gas flow report)
IS1: Weak blow. BOB in 35 min.
FF: Strong blow. BOB in 2 sec.
FS1: Weak blow. BOB in 15 min.

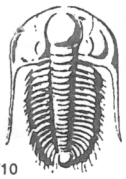
Rec	Feet of	%gas	%oil	%water	%mud
<u>16</u>	<u>SGCOM</u>	<u>2</u>	<u>18</u>	<u>80</u>	
<u>62</u>	<u>GCOM</u>	<u>10</u>	<u>30</u>	<u>60</u>	
<u>248</u>	<u>MCGO</u>	<u>35</u>	<u>45</u>	<u>20</u>	
<u>124</u>	<u>MCGO</u>	<u>20</u>	<u>60</u>	<u>20</u>	

Rec Total 450 BHT 113 Gravity 23.4 API RW Ø °F Chlorides Ø ppm

(A) Initial Hydrostatic 1939 Test 1125 T-On Location 1015
 (B) First Initial Flow 52 Jars 250 T-Started 1023
 (C) First Final Flow 111 Safety Joint 75 T-Open 1333
 (D) Initial Shut-In 1198 Circ. Sub _____ T-Pulled 1731
 (E) Second Initial Flow 129 Hourly Standby 1 1/2 hrs 150- T-Out 2051
 (F) Second Final Flow 223 Mileage 45 R.T. 50.25 Comments _____
 (G) Final Shut-In 1198 Sampler _____
 (H) Final Hydrostatic 1905 Straddle _____

Initial Open 30 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 60 Extra Packer _____ Ruined Packer _____
 Final Flow 60 Extra Recorder _____ Extra Copies _____
 Final Shut-In 90 Day Standby _____ Sub Total Ø
 Accessibility _____ Total 11056.25
 Sub Total 11056.25

Approved By Ben C. Landes Our Representative Frank Brady
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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
OCT 18 2010

Test Ticket

NO. 039476

Well Name & No. Russell #1 Test No. 3 Date 10.12.10
 Company Mid-Continent Energy Corporation Elevation 1947 KB 1938 GL
 Address 105 S. Broadway Ste 360 Wichita KS 67202
 Co. Rep / Geo. Ben C. Landes Rig Maverick Drlg #106
 Location: Sec. 33 Twp. 24s Rge. B3w Co. Stafford State KS

Interval Tested 3963-4023 Zone Tested Miss.
 Anchor Length 60 Drill Pipe Run 3951 Mud Wt. 9.0
 Top Packer Depth 3958 Drill Collars Run 0 Vis 59
 Bottom Packer Depth 3963 Wt. Pipe Run 0 WL 10.4
 Total Depth 4023 Chlorides 10,000 ppm System LCM 0#

Blow Description IF: Weak blow. Slow increase to 4"
ISL: No blow.
FF: Weak blow. Slow increase to 3"
FSL: No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>drlg mud w/ oil specs</u>	<u>specs</u>		<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 20 BHT 110 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1940 Test 1225 T-On Location 1030
 (B) First Initial Flow 26 Jars 250 T-Started 1046
 (C) First Final Flow 26 Safety Joint 75 T-Open 1425
 (D) Initial Shut-In 82 Circ Sub _____ T-Pulled 1824
 (E) Second Initial Flow 22 Hourly Standby _____ T-Out 2054
 (F) Second Final Flow 28 Mileage 45R.T. 5625 Comments _____
 (G) Final Shut-In 107 Sampler _____
 (H) Final Hydrostatic 1939 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 8
 Day Standby _____ Total 11006.25
 Accessibility _____ MP/DST Disc't _____
 Sub Total 11006.25

Approved By Ben C. Landes Our Representative Erin Kelly

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