

## QGIS Application - Bug report #5227

### Can't read linestring table from new MSSQL provider

2012-03-24 12:26 AM - Jeremy Palmer

|                                                                        |                |                                     |
|------------------------------------------------------------------------|----------------|-------------------------------------|
| <b>Status:</b>                                                         | Closed         |                                     |
| <b>Priority:</b>                                                       | Normal         |                                     |
| <b>Assignee:</b>                                                       | Tamas Szekeres |                                     |
| <b>Category:</b>                                                       | Data Provider  |                                     |
| <b>Affected QGIS version:</b>                                          | master         | <b>Regression?:</b> No              |
| <b>Operating System:</b>                                               | winxp          | <b>Easy fix?:</b> No                |
| <b>Pull Request or Patch supplied:</b>                                 | No             | <b>Resolution:</b>                  |
| <b>Crashes QGIS or corrupts data:</b>                                  | No             | <b>Copied to github as #:</b> 14963 |
| <b>Description</b>                                                     |                |                                     |
| I can't seem to read any line-string spatial tables from MSSQL 2008 R2 |                |                                     |

#### Associated revisions

Revision 51011559 - 2012-04-01 10:03 PM - Tamas Szekeres

Improve handling of estimated metadata (fixes #5227 fixes #5252)

#### History

#1 - 2012-03-24 01:41 AM - Nathan Woodrow

Do you get any errors?

Can you open line and polygon tables correctly?

Are you able to supply and sample set so I can test it.

#2 - 2012-03-24 12:46 PM - Sergey M

The same problem

SQL:

```
SELECT *
INTO test
FROM
(
    SELECT 1 ID, geometry::Parse('LINESTRING (37.5213796 47.1254473, 37.5234009 47.1251464, 37.5236238 47.1251132)') Geo
    UNION ALL
    SELECT 2, geometry::Parse('LINESTRING (37.5131171 47.1227004, 37.5119065 47.122804, 37.5114139 47.1229543, 37.5108024
47.1232576, 37.5101528 47.1235379, 37.5097069 47.1237922, 37.5088067 47.12424, 37.5074309 47.1249825, 37.5073969 47.1250345,
37.5073969 47.1251154, 37.5074691 47.1251963, 37.5102037 47.1279814, 37.5103055 47.1281257)')
) q

INSERT INTO [geometry_columns]
([_table_catalog]
,[_table_schema]
```

```

,[f_table_name]
,[f_geometry_column]
,[coord_dimension]
,[srid]
,[geometry_type])
VALUES
('mydb'
,'dbo'
,'test'
,'Geo'
,2
,4326
,'LINESTRING')

```

Connection:

```

<!DOCTYPE connections>
<qgsMssqlConnections version="1.0">
<mssql port="1433" saveUsername="false" savePassword="false" sslmode="1" service="" host="localhost" database="mydb" name="test"
estimatedMetadata="true"/>
</qgsMssqlConnections>

```

error message:

```

-----
Invalid Layer
-----
dbname='mydb;tables=test(Geo)' host=localhost srid=4326 type=Line table="dbo"."test" (Geo) sql= is an invalid layer and cannot be loaded.
-----
OK
-----

```

### #3 - 2012-03-24 08:02 PM - Jeremy Palmer

- File *linestring\_test\_data.7z* added

I can connect to the server and list the tables. But as per Sergey M, I get an invalid layer error message when I try to add the layer. I have attached the table I'm having trouble with, but test case above is probably easier for you to load.

Cheers,  
Jeremy

### #4 - 2012-03-24 08:08 PM - Nathan Woodrow

Seems to be related to a primary key issue. Looking into it now.

**#5 - 2012-03-24 11:48 PM - Nathan Woodrow**

- Target version set to Version 1.8.0
- Category set to Data Provider

Ok this is related to the int column **not** being a primary key and also **not** being a identity spec.

Create the table with both those things and it opens correctly.

I'll look at getting them fixed. Really shouldn't need a identity spec on the column.

**#6 - 2012-03-25 03:20 AM - Sergey M**

Yes, if you specify a primary key and identity - a layer is added. Thank.

**#7 - 2012-03-26 05:53 AM - Nathan Woodrow**

- Assignee changed from Nathan Woodrow to Tamas Szekeres

**#8 - 2012-03-28 05:54 AM - Tamas Szekeres**

- Assignee changed from Tamas Szekeres to Nathan Woodrow
- Resolution set to fixed

should be working for now

**#9 - 2012-03-28 05:52 PM - Jeremy Palmer**

- Assignee changed from Nathan Woodrow to Tamas Szekeres
- Resolution deleted (fixed)

Hi Tamas,

Thanks for the fix on the PK.

I still seems to be having problem with this linestring dataset (<http://creeping.orconhosting.net.nz/qgis/roads.7z>). The layer loads into the map ok but the provider extents are corrupted. e.g.

Extents:

In layer spatial reference system units : xMin,yMin

-1797693134862315708145274237317043567980705675258449965989174768031572607800285387605895586327668781715404589535143824642343213423432132688946418276846754670353751698604991057655128207624549009038932894407586850845513394230458323690322294816580855933212332123348274797826204144723168738177180919299881250404026184124858368.00,-179769313486231570814527423731704356798070567525844996598917476803157260780028538760589558632766878171540458953514382464234321326889464182768467546703537516986049910576551282076245490090389328944075868508455133942304583236903222948165808559332123348274797826204144723168738177180919299881250404026184124858368.00 : xMax,yMax  
1797693134862315708145274237317043567980705675258449965989174768031572607800285387605895586327668781715404589535143824642343213234321326889464182768467546703537516986049910576551282076245490090389328944075868508455133942304583236903222948165808559332123332123348274797826204144723168738177180919299881250404026184124858368.00,17976931348623157081452742373170435679807056752584499658449965989174768031572607800285387605895586327668781715404589535143824642343213268894641827684675467035375169860499105765512820

5512820762454900903893289440758685084551339423045832369032229481658085593321233482747978262041447231687381771809192998812504040250404026184124858368.00

Then if I create a spatial index no data is selected because the index BOUNDING\_BOX is set to incorrect values.

#10 - 2012-04-01 12:57 PM - Tamas Szekeres

Fixed in [git@github.com:szekerest/Quantum-GIS.git](https://github.com/szekerest/Quantum-GIS.git)

#11 - 2012-04-01 01:10 PM - Tamas Szekeres

- Status changed from Open to Closed

Fixed in changeset commit:"51011559c4d7cdb5a11e50cae23a20b688df2b77".

Files

|                         |        |            |               |
|-------------------------|--------|------------|---------------|
| linestring_test_data.7z | 107 KB | 2012-03-24 | Jeremy Palmer |
|-------------------------|--------|------------|---------------|