

## QGIS Application - Bug report #15600

### Selecting features feature in spatial views and virtual layers leads to wrong results

2016-09-21 02:15 PM - Gerhard Spieles

<b>Status:</b>	Open	
<b>Priority:</b>	High	
<b>Assignee:</b>	Hugo Mercier	
<b>Category:</b>	Vectors	
<b>Affected QGIS version:</b>	3.5(master)	<b>Regression?:</b> Yes
<b>Operating System:</b>	Ubuntu 14.04 LTS	<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> 23523
<b>Description</b>		
Select features in spatialite views highlights wrong objects		
<b>Related issues:</b>		
Related to QGIS Application - Bug report # 14232: select features in a spatia...		<b>Closed</b> 2016-02-04
Related to QGIS Application - Bug report # 15709: bad match of valeurs with v...		<b>Closed</b> 2016-10-14
Related to QGIS Application - Bug report # 18973: Wrong identification of fea...		<b>Open</b> 2018-05-17

#### History

##### #1 - 2016-09-21 11:57 PM - R. R.

See also: #15134 (Virtual Layer - Selecting multipart features fails)

Perhaps these issues are related, since virtual layers are based on SpatialLite.

##### #2 - 2017-05-01 01:03 AM - Giovanni Manghi

- Regression? set to No
- Easy fix? set to No

##### #3 - 2017-10-01 09:39 AM - Giovanni Manghi

- Regression? changed from No to Yes
- Priority changed from Normal to High
- Affected QGIS version changed from 2.14.5 to 2.18.13

Worked as expected for SL views (virtual layer untested as they were not available) until 2.8.\*

##### #4 - 2017-10-01 09:51 AM - Giovanni Manghi

- Subject changed from *Select feature in spatial views leads to wrong results* to *Selecting features feature in spatial views and virtual layers leads to wrong results*

##### #5 - 2017-10-04 04:56 PM - Vincent Dionne

The same problem is present in 2.18.13 when adding a spatialite layer through DB MANAGER -SQL Query.

Easy to replicate: DB Manager => SQLITE => SQL window => Select \* from your\_layer => add layer.

Feature selection will be wrong.

**#6 - 2017-10-10 08:42 AM - Jürgen Fischer**

- Related to Bug report #14232: select features in a spatialite view leads to wrong\_results added

**#7 - 2018-01-27 09:45 AM - Jürgen Fischer**

- Related to Bug report #15709: bad match of valeurs with virtual layer added

**#8 - 2018-02-26 09:52 PM - Gerhard Spieles**

Issue is still present in 3.1.0-3 (see Mail Paolo Cavallini, QGIS tickets)

**#9 - 2018-03-03 09:35 PM - Giovanni Manghi**

- Affected QGIS version changed from 2.18.13 to 3.1(master)

- Operating System deleted (win)

**#10 - 2018-04-25 03:31 PM - Leon van der Meulen**

Problem still persists in 3 as well with PostGIS layers. Ordinary file based layers are ok though

**#11 - 2018-06-04 10:08 AM - Dominique Lyszczarz**

Confirmed with a Geopackage spatial view. Note it also affect manual label positioning with xy position stored in auxiliary layer : trying to move a label with the dedicated tool performs the shift for another feature's label.

**#12 - 2018-10-24 10:46 AM - Hugo Mercier**

- Related to Bug report #18973: Wrong identification of feature in a View added

**#13 - 2018-10-24 10:58 AM - Hugo Mercier**

- Assignee set to Hugo Mercier

I see several issues in the provided project:

- virtual layers: selection works fine, but the identification tool identifies all the object
- spatialite views: selection selects the wrong feature, identification tool seems ok

**#14 - 2018-12-28 12:25 PM - Paolo Cavallini**

Could you please check again on current release and update the affected version if still valid?

Thanks.

**#15 - 2018-12-28 02:52 PM - Giovanni Manghi**

- Status changed from Open to Feedback

Paolo Cavallini wrote:

Could you please check again on current release and update the affected version if still valid?  
Thanks.

Please change status to "feedback" when needed.

**#16 - 2019-01-01 04:35 PM - Gerhard Spieles**

- Affected QGIS version changed from 3.1(master) to 3.5(master)
- File testviewspatialite\_qgis3\_5\_56.zip added

Hello,  
tested issue with 3.5master, Rel 56.  
To exclude faults, i have created a complete new project in 3.5 with a newly created spatialite database and layers via QGIS. Testproject and database are attached (zip).

Virtual Layers seems to be ok!.

Spatialite views leads to the same wrong results in selecting objects.

The issue seems for me to depend in the interpretation/handling of the "ROWID" in QGIS.

In the sample data, I created to views. One with the "ROWID" from the geometrielayer(Parent), one without.  
The layer (view) with the "ROWID" shows:  
-undefined selection behaviour for objects  
-in objectcount = 0,  
-open the the attribute table, 100 filtered Rows are shown. Really, the layer has 256 rows.  
-When you go to the layer in the layers panel, right click, filter and define a filter "ROWID < 1000000", the objectcount shows 256 rows and the attrubute table shows all the 256 rows. Selecton behaviour is further undefined.

The layer (view) without "ROWID" shows:  
-all objects are selected, even only one oject was clicked.  
-in objectcount 0  
-in attribute table only one filtered row. Setting a filter via layers panel like "ROWID < 1000000" brings no change.

**#17 - 2019-01-01 05:24 PM - Giovanni Manghi**

- Status changed from Feedback to Open

Files			
test.zip	464 KB	2016-09-21	Gerhard Spieles
testviewspatialite_qgis3_5_56.zip	441 KB	2019-01-01	Gerhard Spieles