Converting the FracFocus SQL database to Access

You may convert the FracFocus data download from Microsoft SQL format to Microsoft Access by using Microsoft’s SQL Server Management Studio (SSMS) application and following the instructions below:

1. From the SSMS application, right-click on Databases and select ‘Restore Database’:

2. A pop-up dialog will appear. Select Device and click the ellipsis button:
3. Another pop-up dialog will appear. Select ‘Add’:

![Select backup devices dialog]

4. Locate the FracFocus database backup and select ‘OK’:

![Locate Backup File dialog]
5. The file you selected will now appear in the backup devices list. Click OK to proceed:

6. The FracFocus database will now appear in the Restore Database screen. Click OK to restore:
7. After restoring the database you will receive a confirmation message. The database will now appear in the Object Explorer in SSMS. You may now close SSMS:
8. Close SSMS and launch Microsoft Excel. Select the ‘Data’ tab and then from the ‘Data’ tab go to ‘New Query’ > ‘From Database’ > ‘From SQL Server Database’ (As shown in screen caps below). This option allows Excel to link up with Microsoft SSMS and then eventually to a specified database within SSMS.
9. You should now see a window that will direct Excel to a specific database within your SSMS. Enter
your local SQL server name for Microsoft SSMS and then enter ‘FracFocusRegistry’ (the database name
you downloaded from fracfocus.org and restored earlier) as your database name. Next, for the SQL
statement, copy and paste the pre-written query that we provide on our data downloads page
(http://fracfocus.org/data-download). It is recommended that you make your query more specific here
on this screen as the query shown below will likely result in too many rows for Excel to handle. Here is
where you should narrow down your search parameters. Once data is entered and looks like the screen
cap below, click the ‘OK’ button to move forward.

```
SELECT *
FROM FracFocusRegistry.dbo.RegistryUpload ru
JOIN FracFocusRegistry.dbo.RegistryUploadIngredients ri
    ON ru.pkey=ri.pKeyDisclosure
LEFT JOIN FracFocusRegistry.dbo.RegistryUploadPurpose rp
    ON ri.pKeyPurpose = rp.pKey
WHERE (ri.pKeyPurpose is null or ru.pkey = ri.pKeyDisclosure)
```

- Include relationship columns
- Navigate using full hierarchy
10. If the data on the previous screen has been entered correctly, you will see a preview of the data that will be imported. Click the ‘Load’ button to begin the query and import process.