ResInsight User Course

May 2025

1. Welcome, course layout and introductory remarks
2. ResInsight Introduction and Overview

a) Well Target Mapping 2

b) Ensemble Contour Map 3

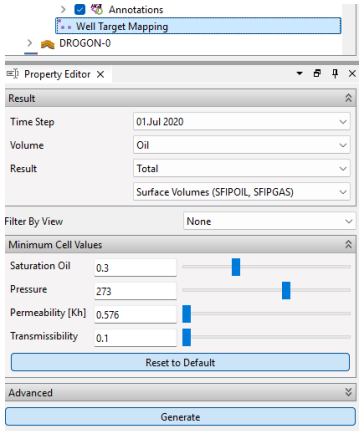
Ceetron Solutions

ResInsight

May 2025

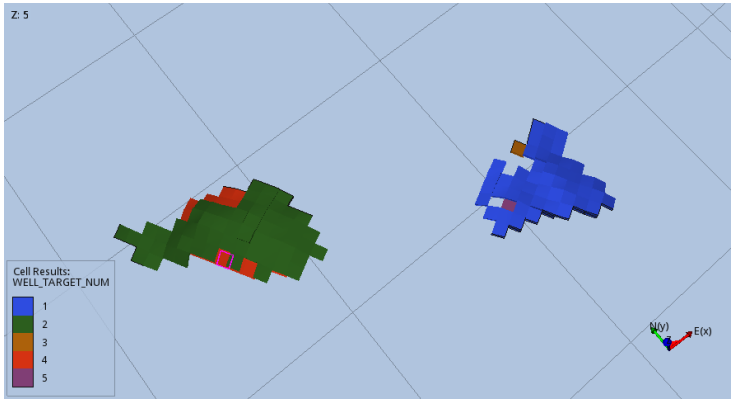
a) Well Target Mapping

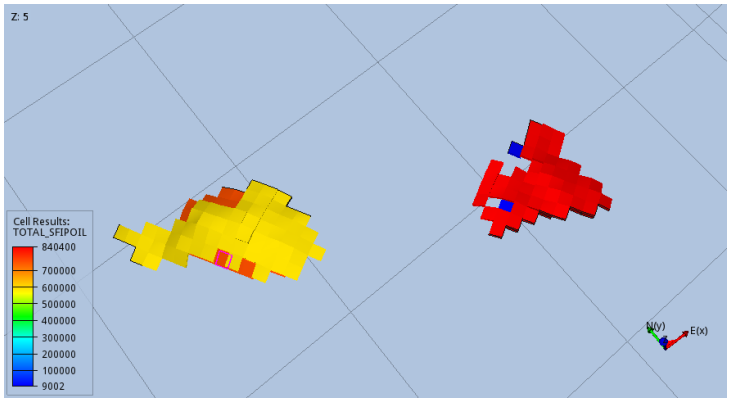
Objective: Identify new well target candidates



1. Import grid data using “Import Eclipse Case” from folder “/model-data/drogon-varying-grid-geometry/realization-0/iter-0/eclipse/model/DROGON-0.EGRID”
2. From the right-click menu of the grid model select **“New Well Target Mapping”**
3. In the **Property Editor**, click **Generate** at the bottom of the properties
   The first available view will be updated with the well target candidates
4. Adjust the following threshold values
   a. Saturation Oil: 0.4
   b. Transmissibility: 10
5. Click **Generate**, and see change in region identification
6. Select **Cell Result**, and select Result Property **TOTAL_SFIPOIL**

https://resinsight.org/workflows/welltargetmapping



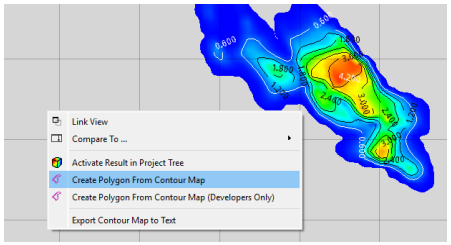


Ceetron Solutions

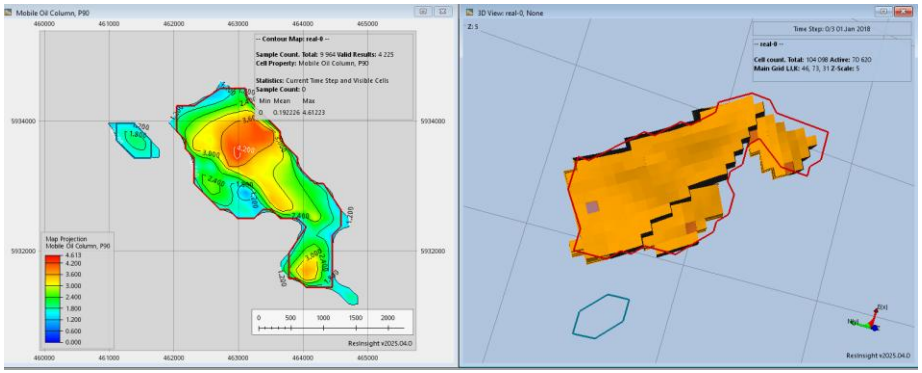
b) Ensemble Contour Map

Objective: Import grid models and create statistics contour map

1. Import ensemble of grid models
    a. Select **"File->Import->Eclipse Cases->Create Grid Case Ensemble"**.
    b. Select folder **"model-data/drogon-varying-grid-geometry"**, and press **Search** and **Ok**
2. Expand the **Realizations** folder to verify the import of realizations
3. From the right-click menu of the ensemble "iter-0" select "New Ensemble Contour Map"
4. In the **Result Aggregation** dropdown, select "Mobile Oil Column" and click **Compute**
5. In the generated contour map, select the **Map Projection** object. Set **Statistics Type** to **P90**
6. Set value filter to **Above** set the value to 3.7. This will remove contour map values below the threshold
7. Inside the plot are of the contour map, select **"Create Polygon From Contour Map"**
8. Activate the 3D view. Right-click on **Cell Filters** and select one of the generated polygons. The cells outside the polygon will be hidden.
9. In the top level **Polygons** object, increase **Line Thickness** to improve polygon visibility



https://resinsight.org/3d-main-window/ensemblecontourmap/



May 2025

Ceetron Solutions