

Газовая шапка

Сектор для расчетов

C:/Simulation/Personal/SibNTC/Project2/Sim\_hor/sim/lug\_test\_data - tNavigator [v4.1.2.1-256-g5eb7cc2]

Document View Files Reports

Goto Step: 0 0 0 01.01.2015

Definitions

2D Map

Auto Sync  
Zoom by Axes  
Aspect Ratio 1:1

Profile 2

Show Mesh  
Grid Lines  
Contour Lines  
Show Wells  
Well Icons  
Well Names  
Well Status  
Show All Wells  
Draw Trajectories  
Stream Lines  
Show Palette  
Navigation Panel  
Scale Bars  
Use Cut  
Bubble Maps

Saturation of Oil, Dimensionless Quantity, Profile

0.6830  
0.5123  
0.3415  
0.1708  
0.0000

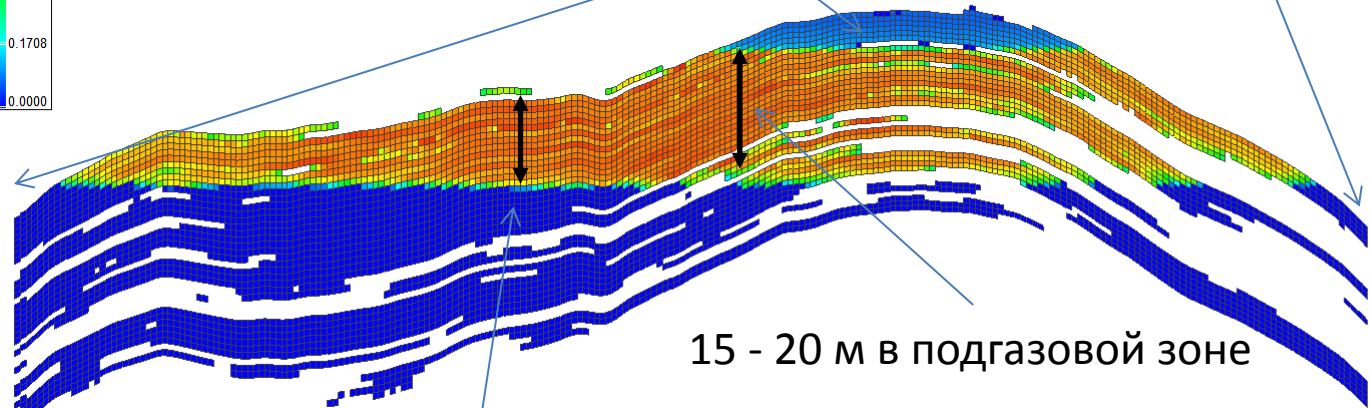
2D Map

Auto Sync  
Zoom by Axis  
Aspect Ratio 1:1

Saturation of Oil, Dimensionless Quantity, Aug

0.5876  
0.4407  
0.2938  
0.1469  
0.0000

Select profile  
Select Current Profile: Profile 2  
OK Cancel Apply



```
File 'C:/Simulation/Personal/SibNTC/Project2/Sim_hor/sim/inc/RVSD_4.INC' Line 41:  
Warning: unknown keyword '2200'  
File 'C:/Simulation/Personal/SibNTC/Project2/Sim_hor/sim/inc/RVSD_4.INC' Line 48:  
Warning: 7 non empty lines of keyword '2200' was skipped  
INC file (#006) name = C:/Simulation/Personal/SibNTC/Project2/Sim_hor/sim/inc/RVVD_4.INC  
File 'C:/Simulation/Personal/SibNTC/Project2/Sim_hor/sim/inc/RVVD_4.INC' Line 28:  
Warning: unknown keyword '2141'  
File 'C:/Simulation/Personal/SibNTC/Project2/Sim_hor/sim/inc/RVVD_4.INC' Line 34:  
Warning: 9 non empty lines of keyword '2141' was skipped
```

Definitions

2D Map

Maps

- Initial Maps
- Calculated Maps
  - Pressure
    - Saturation of Oil
    - Saturation of Water
    - Saturation of Gas
    - Saturation Ternary Diagram
    - Bubble Pressure
    - Dew Point Pressure
    - 1 / FVF for Water
    - 1 / FVF for Oil
    - 1 / FVF for Gas
    - Solubility of Gas
    - Vaporization of Oil
    - 1 / Viscosity of Water
    - 1 / Viscosity of Oil
    - 1 / Viscosity of Gas
    - Mass Density of Water
    - Mass Density of Oil
    - Mass Density of Gas
    - Rel. Perm. of Water
    - Rel. Perm. of Oil
    - Rel. Perm. of Gas
    - Cap. Press. of Water-Oil
    - Cap. Press. of Oil-Gas
    - Pore Volume
  - Component 'WATER'
  - Component 'OIL'
  - Component 'GAS'

Resources

- Regions
- User Cuts
- User Maps
- Vector Fields
- Interblock Flows

Graphs

Graph Templates

2D Histogram

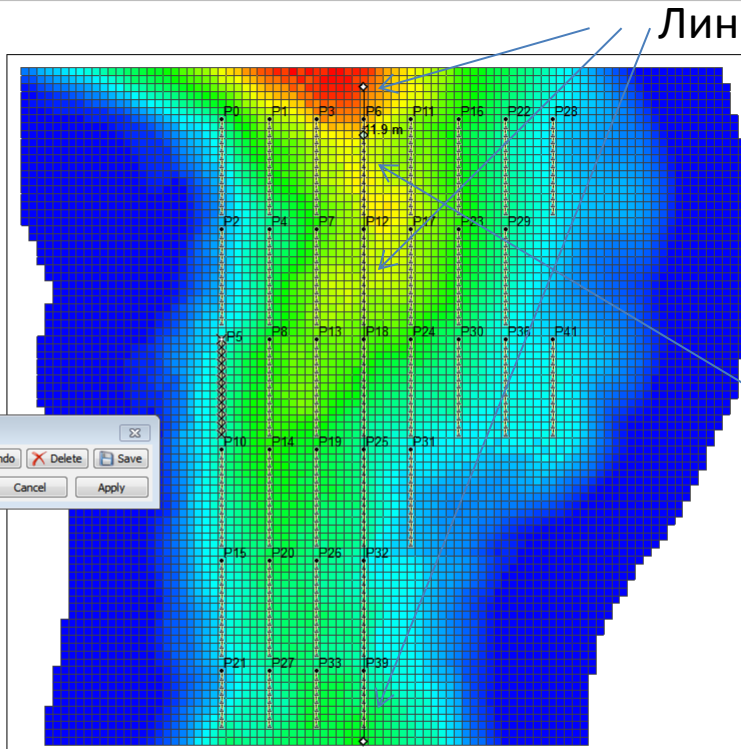
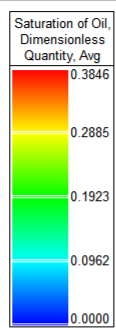
Waterflood

Schedule

3D Map

Properties

Histogram



Линия разреза

Скважина Р6

Select profile

Select Current Profile: Профиль 1

Undo Delete Save

OK Cancel Apply

Blocks Distance

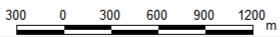
First Block

X: 44 Y: 9 Z: 3

Second Block

X: 44 Y: 9 Z: 17

Distance: 11.9 m



Saturation of Oil, Dimensionless Quantity [ 8, 43] = [309875, 6246775] = 0.000000 Dimensionless Quantity

Current date and time: Wed Feb 18 16:58:04 2015

Working directory: C:/Simulation/tNavigator

Model type: E100.

File name DAT = C:/Simulation/Personal/SibNTC/Project2/Sim\_hor/sim/hor400\_NS\_1\_PATTERNS/hor400\_NS\_1\_PATTERN002\_2/Case1\_d300.data

File name ERR = C:/Simulation/Personal/SibNTC/Project2/Sim\_hor/sim/hor400\_NS\_1\_PATTERNS/hor400\_NS\_1\_PATTERN002\_2/RESULTS/Case1\_d300.err

**Definitions**

**Maps**

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  - Saturation of Gas
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  - 1 / Viscosity of Oil
  - 1 / Viscosity of Gas
  - Mass Density of Water
  - Mass Density of Oil
  - Mass Density of Gas
  - Rel. Perm. of Water
  - Rel. Perm. of Oil
  - Rel. Perm. of Gas
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  - Pore Volume
  - Component 'WATER'
  - Component 'OIL'
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**2D Map**

Auto Sync

Aspect Ratio

Zoom by Axes

1:1

**Profile**

Профиль 1

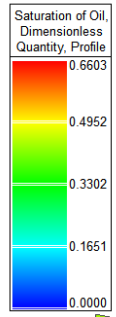
- Show Mesh
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**Cut**

Bubble Maps

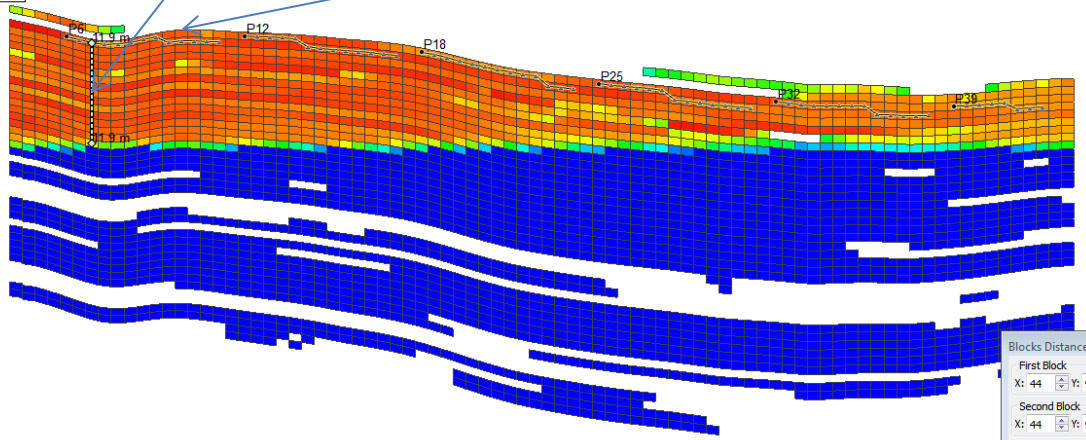
**3D Map**

**Histogram**



Толщина нефтенасыщенной части = 12 м

Скважина P6 на севере, находится в самой мощной нефтенасыщенной части



**Blocks Distance**

First Block  
X: 44 Y: 9 Z: 3

Second Block  
X: 44 Y: 9 Z: 17

Distance: 11.9 m