

### Edit zone

Q, downhole

Qw:

Qo:

Qg:

Qt:   Keep Qt Constant

Slip, Vpcf

C\_ADF:  V\_ADF:

Vslip/Vm:

Slip I-g:

Help Cancel OK

### Zone Rates

Init | Rate Calculation | **Parameters** | Surface Match | Contributions | Gradio | Flow map

Zone: 1 From: 8163.8 ft To: 8174.4 ft

Temperature:  Deviation:

Pressure:  Roughness:

Bubble Point Pressure:  I.D.:

Solution GOR:  Rs:

Total GOR:  Rsw:

Vm:

	Oil	Gas
Volume factor	<input type="text" value="1.4015"/>	<input type="text" value="0.0064"/>
Viscosity, cp :	<input type="text" value="0.3573"/>	<input type="text" value="0.0195"/>
Density, g/cc :	<input type="text" value="0.6645"/>	<input type="text" value="0.1335"/>

Help Cancel OK

**Zone Rates**

Init | Rate Calculation | Parameters | **Surface Match** | Contributions | Gradio | Flow map

Surface conditions and rates

Apply

Temperature: 60 °F

Pressure: 14.7 psia

Qw: 0 STB/D

Qo: 2700 STB/D

Qg: 4500 Mscf/D

Simulated rates

Surface: 0 3609.38 5491.34

1 Vpcf x by: 1

1 Slip l-g x by: 1

Match Surface

Help Cancel OK

**Zone Rates**

Init | Rate Calculation | Parameters | Surface Match | **Contributions** | Gradio | Flow map



"Lock" flags only apply for Global Improve

Show s.c. values (read only mode)

	dQw,B/D	Lock	dQo,B/D	Lock	dQg,B/D	Lock	dQ's Signs
Inflow 1	0	<input checked="" type="checkbox"/>	3623.88	<input type="checkbox"/>	3528.48	<input type="checkbox"/>	All positive
Inflow 2	0	<input checked="" type="checkbox"/>	1438.07	<input type="checkbox"/>	144.985	<input type="checkbox"/>	All positive
Bottom	0	<input checked="" type="checkbox"/>	0	<input type="checkbox"/>	0	<input type="checkbox"/>	All positive

Set All sign constraints : Default Positive Negative

Match S.C with weight 1

Use HGA   Global Improve

Material balance correction

Help Cancel OK

**Zone Rates**

Init | Rate Calculation | Parameters | Surface Match | Contributions | **Gradio** | Flow map

Zone: 1

Density tool: GRAD | Friction multiplier: 1

Gradients g/cc

Hydrostatic:	0.4638
Pipe friction:	0.0018
Tool friction:	0.0014
Acceleration:	0
Total:	0.4669

Density (?)

Mixture:	0.4638	g/cc
Tool response:	0.4669	

Help | Cancel | OK

