



WELLBORE DRILLING TIMES [HOURS] ?

	Well name ?	Wellbore drilling times [hours] ?
1	Well_High Noon	0
2	Well_Sunset	15000
3	Well_Sunrise	0

Wellbore Drilling Times

Wellbore Drilling Times

Wellbore drilling times are used to specify when a well is drilled. They are specified in the Wells and Perforations Tab in the Advanced section.

- Child wells do not exist until and are not displayed in the UI until the drilling times are specified, negating the use of an isolated wellbore boundary condition.
- Child well drilling times can be specified after a restart to simulate theoretically drilled wells.
 - Using older history matches for the purpose of lookback studies with new information.
 - Without having specified a well previously they can now be added.
- **Economic model costs (NPV, DROI) are dependent on when child wells are drilled and frac'd.**

Wellbore Drilling Times

✓ Wells and Perforations → Advanced

WELLBORE DRILLING TIMES [HOURS] ?

	Well name ?	Wellbore drilling times [hours] ?
1	Well_High Noon	0
2	Well_Sunset	15000
3	Well_Sunrise	0

Wellbore Drilling Times

WELLBORE BOUNDARY CONDITION CONTROLS ?

WELL_HIGH NOON ?

WELL_SUNSET ?

WELL_SUNRISE ?

Number of Blocks: 3

Add Block ...

Previous	1	Next			
>	1. Injection Sequence	Start time: 15000 Hours	Duration: 2.116 Hours	Number of controls: 20	☰ ...
>	2. Shut-in	Start time: 15002 Hours	Duration: 720 Hours	Number of controls: 1	☰ ...
>	3. Production Sequence	Start time: 655.09 Days	Duration: (Blank) Days	Number of controls: 64	☰ ...

In the Well Controls tab, wells that are drilled later start their boundary condition controls at the prescribed drilling time. This allows easy set up of child well age for sensitivities and optimizations.



Thank You!

Chris Ponnors

cponners@resfrac.com

Last updated Feb 2026