

2021.02.19 Well events table definition

The well events table will contain well metadata along with important dates in the well's lifecycle:

- well pad first detection date,
- well spud date
- well completion date, determined by TBX alongside the dates from the state regulator and fracfocus.

The list of wells in this table, their spud date, and the outline of the well pad on which they are located will be used by the TBX_COMPLETION service.

Table description

Database: **pads**

Table name: **well_events**

Attributes:

- **geom** (Polygon, EPSG:3857): Pad outline. *Source: pads.wellpads*
- **api** (string): Well API number. *Source: pads.wells_regulator*
- **operator_name** (string): Operator name. *Source: pads.wells_regulator*
- **pad_id** (string): Pad centroid geohash. *Source: pads.wellpads*
- **wellpads_id** (int): ID from the wellpads table. *Source: pads.wellpads*
- **basin** (string): Basin name. *Source: pads.wellpads*
- **state** (string): State name. *Source: pads.wellpads*
- **county** (string): County name. *Source: pads.wellpads*
- **township** (string): Township. *Source: pads.wellpads*
- **block** (string): Block. *Source: pads.wellpads*
- **section** (string): Section. *Source: pads.wellpads*
- **longitude_well** (float): Longitude of the well head. *Source: pads.wells_regulator*
- **latitude_well** (float): Latitude of the well head. *Source: pads.wells_regulator*
- **longitude_pad** (float): Longitude of the centroid of the well pad. *Source: pads.wellpads*
- **latitude_pad** (float): Latitude of the centroid of the well pad. *Source: pads.wellpads*
- **pad_area_km2** (float): Area of the well pad in km². *Source: pads.wellpads*
- **pad_area_ft2** (float): Area of the well pad in ft². *Source: pads.wellpads*
- **tst_first_detection_date** (timestamp) Pad first detection date. *Source: pads.wellpads*
- **tst_permit_date** (timestamp) Permit date. *Source: pads.wells_regulator*
- **tst_spud_date** (timestamp) Well spud date. *Source: pads.wells_regulator*
- **tst_regulator_completion_date** (timestamp): State regulator completion date. *Source: pads.wells_regulator*
- **tst_fracfocus_jobstart_date** (timestamp): Fracfocus job (=frack) start date. *Source: pads.wells_regulator*
- **tst_fracfocus_jobend_date** (timestamp): Fracfocus job (=frack) end date. *Source: pads.wells_regulator*