Change Logs v3.6.0

Deprecating Changes

- **GET /api-external/v1/old_wells_paginated**
  response properties change:
  - bothole_lat --> bothole_lat_toe
  - bothole_long --> bothole_long_toe
- **PATCH /api-external/v1/type_wells/saved_cases**
  response properties change:
  - cum_12 --> cum_12m
  - cum_24 --> cum_24m
  - cum_36 --> cum_36m
  - cum_48 --> cum_48m
  - cum_60 --> cum_60m
  - decline_type --> segment_type
- **POST /api-external/v1/type_wells/saved_cases**
  Request Body
  request property change:
  - decline_type --> segment_type
- **GET /api-external/v1/wells**
  response properties change:
  - bothole_lat --> bothole_lat_toe
  - bothole_long --> bothole_long_toe
- **PATCH /api-external/v1/wells**
  request properties change:
  - bothole_lat --> bothole_lat_toe
  - bothole_long --> bothole_long_toe
- **POST /api-external/v1/wells**
  reqproperties change:
  - bothole_lat --> bothole_lat_toe
  - bothole_long --> bothole_long_toe
- **POST /api-external/v1/wells/bulk**
  request properties change:
  - bothole_lat --> bothole_lat_toe
  - bothole_long --> bothole_long_toe
- **POST /api-external/v1/wells/data_fields**
  Request properties change:
  - bothole_lat --> bothole_lat_toe
  - bothole_long --> bothole_long_toe
  - plot_settings --> settings
- **PATCH /api-external/v1/wells/dca**
  response properties change:
  - cum_12 --> cum_12m
  - cum_24 --> cum_24m
  - cum_36 --> cum_36m
  - cum_48 --> cum_48m
  - cum_60 --> cum_60m
  - decline_type --> segment_type
- **POST /api-external/v1/wells/dca_saved_case**
  Request properties change:
  - cum_12 --> cum_12m
  - cum_24 --> cum_24m
  - cum_36 --> cum_36m

- o cum_48 --> cum_48m
- o cum_60 --> cum_60m
- o decline_type --> segment_type
- **PATCH /api-external/v1/wells/dca_saved_cases**
  - o response properties change:
  - o cum_12 --> cum_12m
  - o cum_24 --> cum_24m
  - o cum_36 --> cum_36m
  - o cum_48 --> cum_48m
  - o cum_60 --> cum_60m
  - o decline_type --> segment_type
- **GET /api-external/v1/wells/light**
  response properties change:
  - o bothole_lat --> bothole_lat_toe
  - o bothole_long --> bothole_long_toe
- **GET /api-external/v1/wells/{well_id**
  response properties change:
  - o bothole_lat --> bothole_lat_toe
  - o bothole_long --> bothole_long_toe
  - o plot_settings --> settings
- **PATCH /api-external/v1/wells/{well_id}**
  request properties change:
  - o bothole_lat --> bothole_lat_toe
  - o bothole_long --> bothole_long_toe
- **PUT /api-external/v1/wells/{well_id}**
  Request properties change:
  - o bothole_lat --> bothole_lat_toe
  - o bothole_long --> bothole_long_toe
- **PUT /api-external/v1/wells/{well_id}**
  reqproperties change:
  - o bothole_lat --> bothole_lat_toe
  - o bothole_long --> bothole_long_toe
- **GET /api-external/v1/wells/{well_id}/well_dca/saved_cases**
  response properties change:
  - o cum_12 --> cum_12m
  - o cum_24 --> cum_24m
  - o cum_36 --> cum_36m
  - o cum_48 --> cum_48m
  - o cum_60 --> cum_60m
- **GET /api-external/v1/wells_paginated**
  response properties change:
  - o bothole_lat --> bothole_lat_toe
  - o bothole_long --> bothole_long_toe

New Endpoints (0)
-

In-Depth Modified Endpoints (42)
Base Data

- **GET /api-external/v1/fields**
  - projects updates:
    - Added: default_dca_phase
- **GET /api-external/v1/fields/{field_id}/projects**
  - Added properties:
    - default_dca_phase
- **POST /api-external/v1/fields/{field_id}/projects**
  - Request updates:
    - Added: default_dca_phase
- **GET /api-external/v1/old_wells_paginated**
  - Added properties:
    - bothole_lat_toe
    - bothole_long_toe
  - Removed properties:
    - bothole_lat
    - bothole_long
- **GET /api-external/v1/wells**
  - Added properties:
    - bothole_lat_toe
    - bothole_long_toe
  - Removed properties:
    - bothole_lat
    - bothole_long
- **PATCH /api-external/v1/wells**
  - Request updates:
    - Added: bothole_lat_toe
    - Added: bothole_long_toe
    - Removed: bothole_lat
    - Removed: bothole_long
- **POST /api-external/v1/wells**
  - Request updates:
    - Added: bothole_lat_toe
    - Added: bothole_long_toe
    - Removed: bothole_lat
    - Removed: bothole_long
- **POST /api-external/v1/wells/bulk**
  - Request updates:
    - Added: bothole_lat_toe
    - Added: bothole_long_toe
    - Removed: bothole_lat
    - Removed: bothole_long
- **POST /api-external/v1/wells/data_fields**
  - Request updates:
    - Modified: data_fields[] enum
      - Added values: bothole_lat_toe, bothole_long_toe, refrac_input, settings
      - Removed values: bothole_lat, bothole_long, plot_settings
- **GET /api-external/v1/wells/light**
  - Query param updates: return_params
    - Description changed
    - Schema changed:
      - Added enum values: bothole_lat_toe, bothole_long_toe

- ➢ Removed enum values: bothole_lat, bothole_long
  - o Response updates:
    - ▪ Added: bothole_lat_toe
    - ▪ Added: bothole_long_toe
    - ▪ Removed: bothole_lat
    - ▪ Removed: bothole_long
- **PATCH /api-external/v1/wells/mass_export_custom_results**
  - o Response updates:
    - ▪ Modified: data[]
      - ➢ Modified: Classical RTA
        - - Added: R²
      - ➢ Modified: Reservoir Properties
        - - Added: Pressure Gradient (psia/ft)
- **GET /api-external/v1/wells/{well_id}**
  - o Response updates:
    - ▪ Added: bothole_lat_toe
    - ▪ Added: bothole_long_toe
    - ▪ Added: refrac_input
    - ▪ Added: settings
    - ▪ Removed: bothole_lat
    - ▪ Removed: bothole_long
    - ▪ Removed: plot_settings
    - ▪ Modified: classical_rta_input
      - ➢ Added: r2
    - ▪ Modified: history_matching_input
      - ➢ Added: show_refrac
    - ▪ Modified: rta_input
      - ➢ Added: show_refrac
    - ▪ Modified: probabilistics_input
      - ➢ Added: ape_enabled
      - ➢ Added: lfp_max
      - ➢ Added: lfp_min
      - ➢ Added: ogip_max
      - ➢ Added: ogip_min
      - ➢ Added: ooip_max
      - ➢ Added: ooip_min
    - ▪ Modified: nodal_analysis_input → named_well_data[] → well_data_named → esp_data
      - ➢ Added: parameters_all_esps
      - ➢ Removed: esp_configuration
      - ➢ Removed: esp_manufacturer
      - ➢ Removed: head_rate_coefficient_0
      - ➢ Removed: head_rate_coefficient_1
      - ➢ Removed: head_rate_coefficient_2
      - ➢ Removed: head_rate_coefficient_3
      - ➢ Removed: head_rate_coefficient_4
      - ➢ Removed: head_rate_coefficient_5
      - ➢ Removed: maximum_rate
      - ➢ Removed: number_of_stages
      - ➢ Removed: pump_assembly_length
      - ➢ Removed: reference_frequency
    - ▪ Modified: tubing_table_input → well_data_forecast[] → esp_data

- ➢ Added: parameters_all_esps
- ➢ Removed: esp_configuration
- ➢ Removed: esp_manufacturer
- ➢ Removed: head_rate_coefficient_0
- ➢ Removed: head_rate_coefficient_1
- ➢ Removed: head_rate_coefficient_2
- ➢ Removed: head_rate_coefficient_3
- ➢ Removed: head_rate_coefficient_4
- ➢ Removed: head_rate_coefficient_5
- ➢ Removed: maximum_rate
- ➢ Removed: number_of_stages
- ➢ Removed: pump_assembly_length
- ➢ Removed: reference_frequency
- ▪ Modified: vfp_export_input → well_data[] → esp_data
  - ➢ Added: parameters_all_esps
  - ➢ Removed: esp_configuration
  - ➢ Removed: esp_manufacturer
  - ➢ Removed: head_rate_coefficient_0
  - ➢ Removed: head_rate_coefficient_1
  - ➢ Removed: head_rate_coefficient_2
  - ➢ Removed: head_rate_coefficient_3
  - ➢ Removed: head_rate_coefficient_4
  - ➢ Removed: head_rate_coefficient_5
  - ➢ Removed: maximum_rate
  - ➢ Removed: number_of_stages
  - ➢ Removed: pump_assembly_length
  - ➢ Removed: reference_frequency
- **PATCH /api-external/v1/wells/{well_id}**
  - o Request updates:
    - ▪ Added: bothole_lat_toe
    - ▪ Added: bothole_long_toe
    - ▪ Removed: bothole_lat
    - ▪ Removed: bothole_long
- **PUT /api-external/v1/wells/{well_id}**
  - o Request updates:
    - ▪ Added: bothole_lat_toe
    - ▪ Added: bothole_long_toe
    - ▪ Removed: bothole_lat
    - ▪ Removed: bothole_long
- **GET /api-external/v1/wells_paginated**
  - o Request updates:
    - ▪ Added: bothole_lat_toe
    - ▪ Added: bothole_long_toe
    - ▪ Removed: bothole_lat
    - ▪ Removed: bothole_long

PVT Data

Production Data

BHP Data
- **PATCH /api-external/v1/wells/bhp_input/well_data**
  - o esp_data updates:

- ▪ Schema added: WellDataESPExternal
- ▪ Schema removed: WellDataESP
- o jet_pump_data updates:
  - ▪ Schema added: WellDataJetPumpExternal
  - ▪ Schema removed: WellDataJetPump
- o lift_method updates:
  - ▪ Added enum: jet_pump
- **POST /api-external/v1/wells/bhp_input/well_data/bulk**
  - o Request updates:
    - ▪ well_data.esp_data updates:
      - ➢ Schema added: WellDataESPExternal
      - ➢ Schema removed: WellDataESP
    - ▪ well_data.jet_pump_data updates:
      - ➢ Schema added: WellDataJetPumpExternal
      - ➢ Schema removed: WellDataJetPump
    - ▪ well_data.lift_method updates:
      - ➢ Added enum: jet_pump
- **PUT /api-external/v1/wells/bhp_input/well_data/{well_data_id}**
  - o Request updates:
    - ▪ esp_data updates:
      - ➢ Schema added: WellDataESPExternal
      - ➢ Schema removed: WellDataESP
    - ▪ jet_pump_data updates:
      - ➢ Schema added: WellDataJetPumpExternal
      - ➢ Schema removed: WellDataJetPump
    - ▪ lift_method updates:
      - ➢ Added enum: jet_pump
- **PATCH /api-external/v1/wells/bhp_inputs**
  - o Response updates:
    - ▪ Modified: well_data[].esp_data
      - ➢ Added schema: WellDataESPExternal
      - ➢ Removed schema: WellDataESP
    - ▪ Modified: well_data[].jet_pump_data
      - ➢ Added schema: WellDataJetPumpExternal
      - ➢ Removed schema: WellDataJetPump
    - ▪ Updated enum: well_data[].lift_method
      - ➢ Added value: jet_pump
- **PUT /api-external/v1/wells/bhp_inputs**
  - o Response updates:
    - ▪ Modified: well_data[].esp_data
      - ➢ Added schema: WellDataESPExternal
      - ➢ Removed schema: WellDataESP
    - ▪ Modified: well_data[].jet_pump_data
      - ➢ Added schema: WellDataJetPumpExternal
      - ➢ Removed schema: WellDataJetPump
    - ▪ Updated enum: well_data[].lift_method
      - ➢ Added value: jet_pump
- **PATCH /api-external/v1/wells/bhp_inputs_no_deviation_survey**
  - o Response updates:
    - ▪ Modified: well_data[].esp_data
      - ➢ Added schema: WellDataESPExternal
      - ➢ Removed schema: WellDataESP

- Modified: well_data[].jet_pump_data
  - Added schema: WellDataJetPumpExternal
  - Removed schema: WellDataJetPump
- Updated enum: well_data[].lift_method
  - Added value: jet_pump
- **GET /api-external/v1/wells/{well_id}/bhp_input**
  - Response updates:
    - Modified: well_data[].esp_data
      - Added schema: WellDataESPExternal
      - Removed schema: WellDataESP
    - Modified: well_data[].jet_pump_data
      - Added schema: WellDataJetPumpExternal
      - Removed schema: WellDataJetPump
    - Updated enum: well_data[].lift_method
      - Added value: jet_pump
- **PUT /api-external/v1/wells/{well_id}/bhp_input**
  - Response updates:
    - Modified: well_data[].esp_data
      - Added schema: WellDataESPExternal
      - Removed schema: WellDataESP
    - Modified: well_data[].jet_pump_data
      - Added schema: WellDataJetPumpExternal
      - Removed schema: WellDataJetPump
    - Updated enum: well_data[].lift_method
      - Added value: jet_pump
- **GET /api-external/v1/wells/{well_id}/bhp_input/well_data**
  - Response updates:
    - Modified: well_data[].esp_data
      - Added schema: WellDataESPExternal
      - Removed schema: WellDataESP
    - Modified: well_data[].jet_pump_data
      - Added schema: WellDataJetPumpExternal
      - Removed schema: WellDataJetPump
    - Updated enum: well_data[].lift_method
      - Added value: jet_pump
- **POST /api-external/v1/wells/{well_id}/bhp_input/well_data**
  - Response updates:
    - Modified: well_data[].esp_data
      - Added schema: WellDataESPExternal
      - Removed schema: WellDataESP
    - Modified: well_data[].jet_pump_data
      - Added schema: WellDataJetPumpExternal
      - Removed schema: WellDataJetPump
    - Updated enum: well_data[].lift_method
      - Added value: jet_pump
- **GET /api-external/v1/wells/{well_id}/custom_bhp_calculation**
  - Response updates:
    - Modified: custom_bhp
      - Nullable changed: false → true

DCA
- **PATCH /api-external/v1/wells/dca**

- o Response updates:
  - Added: aries_lines
  - Added: cum_12m
  - Added: cum_180d
  - Added: cum_24m
  - Added: cum_30d
  - Added: cum_36m
  - Added: cum_48m
  - Added: cum_60d
  - Added: cum_60m
  - Added: cum_90d
  - Removed: cum_12
  - Removed: cum_24
  - Removed: cum_36
  - Removed: cum_48
  - Removed: cum_60
  - Modified: dca_secondary_plot
    - ➢ Added: auto_forecast_dca_id
    - ➢ Added: pnr_dca_saved_case_id
    - ➢ Removed: well_multi_dca_id
  - Modified: dca_segments[]
    - ➢ Added: auto_forecast_dca_id
    - ➢ Added: calc_method
    - ➢ Added: segment_type
    - ➢ Removed: decline_type
    - ➢ Removed: well_multi_dca_id
  - Modified: forecast
    - ➢ Added: data_cum
  - Modified: forecasts
    - ➢ Modified: boe_forecast → Added: data_cum
    - ➢ Modified: gas_forecast → Added: data_cum
    - ➢ Modified: liquid_forecast → Added: data_cum
    - ➢ Modified: oil_forecast → Added: data_cum
    - ➢ Modified: water_forecast → Added: data_cum
- **POST /api-external/v1/wells/dca_saved_case**
  - o Response updates:
    - Added: aries_lines
    - Added: cum_12m
    - Added: cum_180d
    - Added: cum_24m
    - Added: cum_30d
    - Added: cum_36m
    - Added: cum_48m
    - Added: cum_60d
    - Added: cum_60m
    - Added: cum_90d
    - Removed: cum_12
    - Removed: cum_24
    - Removed: cum_36
    - Removed: cum_48
    - Removed: cum_60
    - Modified: dca_secondary_plot

- - - - ➢ Added: auto_forecast_dca_id
      - ➢ Added: pnr_dca_saved_case_id
      - ➢ Removed: well_multi_dca_id
    - ▪ Modified: dca_segments[]
      - ➢ Added: auto_forecast_dca_id
      - ➢ Added: calc_method
      - ➢ Added: segment_type
      - ➢ Removed: decline_type
      - ➢ Removed: well_multi_dca_id
    - ▪ Modified: forecast
      - ➢ Added: data_cum
    - ▪ Modified: forecasts
      - ➢ Modified: boe_forecast → Added: data_cum
      - ➢ Modified: gas_forecast → Added: data_cum
      - ➢ Modified: liquid_forecast → Added: data_cum
      - ➢ Modified: oil_forecast → Added: data_cum
      - ➢ Modified: water_forecast → Added: data_cum
- **PATCH /api-external/v1/wells/dca_saved_cases**
  - ○ Response updates:
    - ▪ Added: aries_lines
    - ▪ Added: cum_12m
    - ▪ Added: cum_180d
    - ▪ Added: cum_24m
    - ▪ Added: cum_30d
    - ▪ Added: cum_36m
    - ▪ Added: cum_48m
    - ▪ Added: cum_60d
    - ▪ Added: cum_60m
    - ▪ Added: cum_90d
    - ▪ Removed: cum_12
    - ▪ Removed: cum_24
    - ▪ Removed: cum_36
    - ▪ Removed: cum_48
    - ▪ Removed: cum_60
    - ▪ Modified: dca_secondary_plot
      - ➢ Added: auto_forecast_dca_id
      - ➢ Added: pnr_dca_saved_case_id
      - ➢ Removed: well_multi_dca_id
    - ▪ Modified: dca_segments[]
      - ➢ Added: auto_forecast_dca_id
      - ➢ Added: calc_method
      - ➢ Added: segment_type
      - ➢ Removed: decline_type
      - ➢ Removed: well_multi_dca_id
    - ▪ Modified: forecast
      - ➢ Added: data_cum
    - ▪ Modified: forecasts
      - ➢ Modified: boe_forecast → Added: data_cum
      - ➢ Modified: gas_forecast → Added: data_cum
      - ➢ Modified: liquid_forecast → Added: data_cum
      - ➢ Modified: oil_forecast → Added: data_cum
      - ➢ Modified: water_forecast → Added: data_cum

- **GET /api-external/v1/wells/{well_id}/well_dca/saved_cases**
  - Response updates:
    - AdditionalProperties changed: null → false
    - Added: a_lim
    - Added: aries_lines
    - Added: cum_12m
    - Added: cum_180d
    - Added: cum_24m
    - Added: cum_30d
    - Added: cum_36m
    - Added: cum_48m
    - Added: cum_60d
    - Added: cum_60m
    - Added: cum_90d
    - Added: cutoff_rate
    - Added: dca_segments
    - Added: id
    - Added: t_tot_prod
    - Added: well_id
    - Added: zoom
    - Removed: cum_12
    - Removed: cum_24
    - Removed: cum_36
    - Removed: cum_48
    - Removed: cum_60
    - Modified: dca_secondary_plot
      - ➤ Added: auto_forecast_dca_id
      - ➤ Added: pnr_dca_saved_case_id
      - ➤ Removed: well_multi_dca_id
    - Modified: forecast
      - ➤ Added: data_cum
    - Modified: forecasts
      - ➤ Modified: boe_forecast → Added: data_cum
      - ➤ Modified: gas_forecast → Added: data_cum
      - ➤ Modified: liquid_forecast → Added: data_cum
      - ➤ Modified: oil_forecast → Added: data_cum
      - ➤ Modified: water_forecast → Added: data_cum

Auto-Forecast
- **GET /api-external/v1/auto_forecasts/{auto_forecast_id}**
  - auto_forecast_bounds updates:
    - Added: type_well_case_id
    - Added: type_well_threshold_days
  - auto_forecast_settings updates:
    - Added: dataset_to_fit
    - Added: fit_basis
    - Added: use_type_well
    - autofit_type updates:
      - ➤ Added enum: transient_hyperbolic
      - ➤ Removed enum: arps_modified_arps

AnalyticalRTA

- **GET /api-external/v1/wells/{well_id}/arta_time_series**
  - ○ Response updates:
    - ▪ Added: pseudo_pressure_gas
    - ▪ Added: pseudo_pressure_oil
    - ▪ Removed: pseudo_pressure

Nodal Analysis VLP

- **GET /api-external/v1/wells/{well_id}/run_ipr_with_date**
  - ○ Response updates:
    - ▪ Modified: named_well_data[] → well_data_named → esp_data
      - ➢ Added: parameters_all_esps
      - ➢ Removed: esp_configuration
      - ➢ Removed: esp_manufacturer
      - ➢ Removed: head_rate_coefficient_0
      - ➢ Removed: head_rate_coefficient_1
      - ➢ Removed: head_rate_coefficient_2
      - ➢ Removed: head_rate_coefficient_3
      - ➢ Removed: head_rate_coefficient_4
      - ➢ Removed: head_rate_coefficient_5
      - ➢ Removed: maximum_rate
      - ➢ Removed: number_of_stages
      - ➢ Removed: pump_assembly_length
      - ➢ Removed: reference_frequency

Nodal Analysis Gradient

Nodal Analysis Gas Lift Optimizer

- **GET /api-external/v1/multi_well_gas_lift_opt/{multi_well_gas_lift_id}/results**
  - ○ wells updates:
    - ▪ Added: erosional_inputs
    - ▪ erosional_inputs → now required
  - ○ wells.input_values updates:
    - ▪ Added: failed_criteria
- **GET /api-external/v1/multi_well_gas_lift_opt/{multi_well_gas_lift_id}/settings**
  - ○ Added properties:
    - ▪ rates_and_pressure_lower_limit_multiplier
    - ▪ rates_and_pressure_std_exclude_rate_or_pressure
    - ▪ rates_and_pressure_upper_limit_multiplier
  - ○ rates_and_pressure updates:
    - ▪ Added enum: production_data_by_std_days
- **PUT /api-external/v1/multi_well_gas_lift_opt/{multi_well_gas_lift_id}/settings**
  - ○ Request updates:
    - ▪ Added: rates_and_pressure_lower_limit_multiplier
    - ▪ Added: rates_and_pressure_std_exclude_rate_or_pressure
    - ▪ Added: rates_and_pressure_upper_limit_multiplier
    - ▪ rates_and_pressure updates:
      - ➢ Added enum: production_data_by_std_days
  - ○ Response updates:
    - ▪ Added: rates_and_pressure_lower_limit_multiplier
    - ▪ Added: rates_and_pressure_std_exclude_rate_or_pressure
    - ▪ Added: rates_and_pressure_upper_limit_multiplier
    - ▪ rates_and_pressure updates:
      - ➢ Added enum: production_data_by_std_days
- **GET /api-external/v1/wells/{well_id}/gas_lift_optimizer_cases**

- o Response updates:
  - Added: choke_size
  - Added: line_pressure
  - Modified: gas_lift_optimizer_calc
    - ➢ Modified: correlation
      - - Nullable changed: false → true
    - ➢ Modified: created_by
      - - Nullable changed: false → true
- **POST /api-external/v1/wells/{well_id}/gas_lift_optimizer_cases**
  - o Request updates:
    - Added: choke_size
    - Added: line_pressure
  - o Response updates:
    - Added: choke_size
    - Added: line_pressure
- **PUT /api-external/v1/wells/{well_id}/gas_lift_optimizer_cases/{gas_lift_case_id}**
  - o Request updates:
    - Added: choke_size
    - Added: line_pressure
  - o Response updates:
    - Added: choke_size
    - Added: line_pressure

Multi Well Gas Lift Optimizer

- **PUT /api-external/v1/multi_well_gas_lift_opt/{multi_well_gas_lift_id}/change_injection_rate**
  - o Added properties:
    - rates_and_pressure_lower_limit_multiplier
    - rates_and_pressure_std_exclude_rate_or_pressure
    - rates_and_pressure_upper_limit_multiplier
  - o rates_and_pressure updates:
    - Added enum: production_data_by_std_days

Type Well

- **PATCH /api-external/v1/type_wells/saved_cases**
  - o Added properties:
    - aries_lines
    - cum_12m
    - cum_180d
    - cum_24m
    - cum_30d
    - cum_36m
    - cum_48m
    - cum_60d
    - cum_60m
    - cum_90d
  - o Removed properties:
    - cum_12
    - cum_24
    - cum_36
    - cum_48
    - cum_60
  - o dca_secondary_plot updates:
    - Added: auto_forecast_dca_id

- Added: pnr_dca_saved_case_id
- Removed: well_multi_dca_id
  - o dca_segments updates:
    - Added: auto_forecast_dca_id
    - Added: calc_method
    - Added: segment_type
    - Removed: decline_type
    - Removed: well_multi_dca_id
  - o forecasts updates:
    - boe_forecast → Added: data_cum
    - gas_forecast → Added: data_cum
    - liquid_forecast → Added: data_cum
    - oil_forecast → Added: data_cum
    - water_forecast → Added: data_cum
- **POST /api-external/v1/type_wells/saved_cases**
  - o Request updates:
    - dca_segments updates:
      - Added: segment_type
      - Removed: decline_type