

Change Logs v3.4.0

Breaking Changes

- PUT /multi_well_gas_lift_opt/{multi_well_gas_lift_id}/change_injection_rate
 - Added enum values to several response properties:
 - reservoir_pressure_source: automatic, fetch_from_ipr, gas, history, multiphase
 - bhp_correlation: beggs_and_brill, gray, hagedorn_and_brown, woldesemayat_and_ghajar
 - minimum_injection_per_well: belfroid, coleman, nagoo, none, turner, user_defined
 - critical_rate_depth: end_of_tubing, gas_lift_injection_point, maximum_rate, top_perforation, wellhead
 - rates_and_pressure: fetch_ipr_vlp, last_production_data, last_x_production_data
- GET /multi_well_gas_lift_opt/{multi_well_gas_lift_id}/settings
 - Added enum values to several response properties:
 - reservoir_pressure_source: automatic, fetch_from_ipr, gas, history, multiphase
 - bhp_correlation: beggs_and_brill, gray, hagedorn_and_brown, woldesemayat_and_ghajar
 - minimum_injection_per_well: belfroid, coleman, nagoo, none, turner, user_defined
 - critical_rate_depth: end_of_tubing, gas_lift_injection_point, maximum_rate, top_perforation, wellhead
 - rates_and_pressure: fetch_ipr_vlp, last_production_data, last_x_production_data
- PUT /multi_well_gas_lift_opt/{multi_well_gas_lift_id}/settings
 - Restricted several request properties to specific enum lists:
 - bhp_correlation
 - critical_rate_depth
 - minimum_injection_per_well
 - rates_and_pressure
 - reservoir_pressure_source
 - Added enum values to several response properties:
 - reservoir_pressure_source: automatic, fetch_from_ipr, gas, history, multiphase
 - bhp_correlation: beggs_and_brill, gray, hagedorn_and_brown, woldesemayat_and_ghajar
 - minimum_injection_per_well: belfroid, coleman, nagoo, none, turner, user_defined
 - critical_rate_depth: end_of_tubing, gas_lift_injection_point, maximum_rate, top_perforation, wellhead
 - rates_and_pressure: fetch_ipr_vlp, last_production_data, last_x_production_data
- PATCH /type_wells/saved_cases
 - normalization_attribute is now nullable
 - Added new enum values:
 - /items/type: cum, time, wor
 - /items/dca_secondary_plot/.../plot_type: wor_analysis
- PATCH /wells/dca
 - Added new enum values to response:
 - /items/type: cum, time, wor

- /items/dca_secondary_plot/.../plot_type: wor_analysis
- POST /wells/dca_saved_case
 - /items/type was restricted to a list of enum values
 - /items/type is now not nullable
- PATCH /wells/dca_saved_cases
 - Added new enum values to response:
 - /items/type: cum, time, wor
 - /items/dca_secondary_plot/.../plot_type: wor_analysis
- GET /api-external/v1/wells/{well_id}/well_dca/saved_cases
 - Added new enum values to response:
 - /items/type: cum, time, wor
 - /items/dca_secondary_plot/.../plot_type: wor_analysis

New Endpoints (5)

- POST /api-external/v1/projects/multi_well_gas_lift_opt
- DELETE /api-external/v1/projects/multi_well_gas_lift_opt/{multi_well_gas_lift_id}
- POST /api-external/v1/projects/multi_well_gas_lift_opt_areas
- DELETE /api-external/v1/projects/multi_well_gas_lift_opt_areas/{multi_well_gas_lift_area_id}
- PATCH /api-external/v1/wells/bulk_run_gradient

Modified Endpoints (13)

Multi Well Gas Lift Optimizer

- PUT /multi_well_gas_lift_opt/{multi_well_gas_lift_id}/change_injection_rate
 - Added new enum values to multiple properties:
 - bhp_correlation: beggs_and_brill, hagedorn_and_brown, woldesemayat_and_ghajar, gray
 - critical_rate_depth: wellhead, top_perforation, end_of_tubing, maximum_rate, gas_lift_injection_point
 - minimum_injection_per_well: none, turner, coleman, nagoo, belfroid, user_defined
 - rates_and_pressure: last_production_data, fetch_ipr_vlp, last_x_production_data
 - reservoir_pressure_source: automatic, multiphase, gas, history, fetch_from_ipr
- GET /multi_well_gas_lift_opt/{multi_well_gas_lift_id}/results
 - New properties:
 - custom_attributes, gas_rate, liquid_rate
- GET /multi_well_gas_lift_opt/{multi_well_gas_lift_id}/settings
 - Added new enum values to:
 - bhp_correlation: beggs_and_brill, hagedorn_and_brown, woldesemayat_and_ghajar, gray
 - critical_rate_depth: wellhead, top_perforation, end_of_tubing, maximum_rate, gas_lift_injection_point
 - minimum_injection_per_well: none, turner, coleman, nagoo, belfroid, user_defined

- rates_and_pressure: last_production_data, fetch_ipr_vlp, last_x_production_data
 - reservoir_pressure_source: automatic, multiphase, gas, history, fetch_from_ipr
- PUT /multi_well_gas_lift_opt/{multi_well_gas_lift_id}/settings
 - New enum values added to:
 - bhp_correlation: beggs_and_brill, hagedorn_and_brown, woldesemayat_and_ghajar, gray
 - critical_rate_depth: wellhead, top_perforation, end_of_tubing, maximum_rate, gas_lift_injection_point
 - minimum_injection_per_well: none, turner, coleman, nagoo, belfroid, user_defined
 - rates_and_pressure: last_production_data, fetch_ipr_vlp, last_x_production_data
 - reservoir_pressure_source: automatic, multiphase, gas, history, fetch_from_ipr
- GET /projects/{project_id}/multi_well_gas_lift_opt/autopopulate_by_compressor_group
 - Response schema updated (200)
 - New required properties: multi_well_gas_lift_area_id, name, well_ids
 - New properties: custom_attributes, gas_rate, liquid_rate
 - Property id is now readOnly
 - well_ids minimum items changed from 0 → 1
- GET /projects/{project_id}/multi_well_gas_lift_opt/list
 - Response schema updated (200)
 - New required properties: multi_well_gas_lift_area_id, name, well_ids
 - Property id is now readOnly
 - well_ids minimum items changed from 0 → 1

Type Well

- PATCH /type_wells/saved_cases
 - Response schema (200)
 - normalization_attribute → now nullable
 - Added enum values:
 - type: time, cum, wor
 - dca_secondary_plot.plot_type: wor_analysis

Nodal Analysis Gas Lift Optimizer

- PATCH /wells/bulk_gas_lift_optimizer_results
 - Response schema (200)
 - New properties in wells object:
 - custom_attributes, gas_rate, liquid_rate
 - Nested property updates:
 - gas_lift.rate_uplift added

DCA

- PATCH /wells/dca
 - Response schema (200)

- normalization_attribute updated with new nested properties:
 - peak_rate_constraint, target_lateral_length
 - Added enum values:
 - type: time, cum, wor
 - dca_secondary_plot.plot_type: wor_analysis
- POST /wells/dca_saved_case
 - Request schema updated
 - Added new properties to:
 - normalization_attribute: peak_rate_constraint, target_lateral_length
 - Added enum values:
 - type: time, cum, wor
 - dca_secondary_plot.plot_type: wor_analysis
- PATCH /wells/dca_saved_cases
 - Response schema changes
 - Added new enum values and properties:
 - type: time, cum, wor
 - dca_secondary_plot.plot_type: wor_analysis
 - normalization_attribute: new properties peak_rate_constraint, target_lateral_length
- GET /wells/{well_id}/well_dca/saved_cases
 - Response schema changes
 - Added enum values:
 - type: time, cum, wor
 - dca_secondary_plot.plot_type: wor_analysis
 - normalization_attribute: new properties peak_rate_constraint, target_lateral_length

Base Data

- GET /wells/{well_id}
 - Response schema changes
 - New properties added:
 - In history_matching_input: l_w, salinity
 - In rta_input: l_w, salinity