Comprehensive Well Evaluation: A Deep Dive into Well Analysis
Data Dictionary

BREAKEVENGASPRICE View

Name	Type	Description
Id	Number	Unique identifier for the data entry.
Wellhead Breakeven Gas Price Category	Varchar	Category of wellhead breakeven gas price.
Wellhead Breakeven Gas Price Detail	Varchar	Detailed description of the gas price category.

BREAKEVENOILPRICE View

Name	Type	Description
Id	Number	Unique identifier for the data entry.
Wellhead Breakeven Oil Price Category	Varchar	Category of wellhead breakeven oil price.
Wellhead Breakeven Oil Price Detail	Varchar	Detailed description of the oil price category.

CHEMICALS View

Name	Type	Description
API Number	Varchar	Well API number associated with the data entry.
CAS Number	Varchar	Chemical Abstracts Service (CAS) number.
Chemical Ingredient Count	Number	Count of chemical ingredients used.
Chemical Ingredient Mass	Float	Mass of the chemical ingredient.
Chemical Ingredient Mass (Thousand Pounds)	Float	Mass of the chemical ingredient in thousand pounds.
Chemical Ingredient Name	Varchar	Name of the chemical ingredient.
Chemical Ingredient Order	Number	Order of the chemical ingredient.
Chemical Purpose	Varchar	Purpose of the chemical.
Chemical Purpose Group	Varchar	Group classification of the chemical purpose.
Chemical Supplier	Varchar	Supplier of the chemical.
Chemical Supplier Group	Varchar	Group classification of the chemical supplier.
Chemical Trade Name	Varchar	Trade name of the chemical.
Chemical Trade Name Count	Float	Count of the chemical trade name.
Frac Focus Registry ID	Varchar	Frac Focus Registry ID for the frac job.
Frac Job Base Water Mass Avg	Float	Average base water mass for the frac job.
Frac Job Base Water Volume Avg	Float	Average base water volume for the frac job.
Frac Job Count	Number	Count of frac jobs.
Frac Job End Date	Date	End date of the frac job.
Frac Job ID	Varchar	ID of the frac job.
Frac Job Order	Number	Order of the frac job.
Frac Job Percent Additive	Float	Percentage of additive used in the frac job.
Frac Job Percent HF Job Scaled	Float	Scaled percentage of HF job used in the frac job.
Frac Job Start Date	Date	Start date of the frac job.
Id	Number	Unique identifier for the data entry.

DATAQUALITY View

Name	Type	Description
Confidential Data Group	Varchar	Group classification for confidential data.
Id	Number	Unique identifier for the data entry.
Initial Test Data Group	Varchar	Group classification for initial test data.
Production Data Group	Varchar	Group classification for production data.

ECONOMICSCOST View

Name	Type	Description
API Number	Varchar	Well API number associated with the data entry.
Id	Number	Unique identifier for the data entry.
Well Cost (MUSD)	Float	Well cost in million USD.
Well Cost Category	Varchar	Category of well cost.
Well Cost Detail	Varchar	Detailed description of well cost.
Well Cost Group	Varchar	Group classification of well cost.

EUR View

Name	Type	Description
API Number	Varchar	Well API number associated with the data entry.
EUR	Float	Estimated Ultimate Recovery (EUR) value.
Id	Number	Unique identifier for the data entry.

FRACSPREADS View

Name	Type	Description
API Number	Varchar	Well API number associated with the data entry.
ActivityDate	Date	Date of the activity.
ActivityWeekNumber	Number	Week number of the activity.
ActivityYearWeek	Varchar	Year and week combination of the activity.
Frac Spread Count	Float	Count of fracturing spreads.
Frac Spread Source	Varchar	Source of fracturing spread information.
Frac Spread Status	Varchar	Status of the fracturing spread.
FracSpreadDays	Float	Number of days for the fracturing spread.
Id	Number	Unique identifier for the data entry.
Month	Number	Month of the activity.
Year	Number	Year of the activity.

GEOGRAPHY View

Name	Type	Description
Alternative Basin	Varchar	Alternative classification of the basin.
Basin	Varchar	Primary classification of the basin.

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Name	Type	Description
Country	Varchar	Country associated with the data entry.
County	Varchar	County associated with the data entry.
Data Source	Varchar	Source of the data.
EIA DPR Region	Varchar	EIA Drilling Productivity Report (DPR) region.
EIA PAD District	Varchar	EIA Petroleum Administration for Defense (PAD) district.
EIA Refining District	Varchar	EIA Refining district.
EPA Basin	Varchar	Environmental Protection Agency (EPA) basin.
GIS Basin	Varchar	Geographic Information System (GIS) basin.
GIS Sub Basin	Varchar	Geographic Information System (GIS) sub-basin.
Id	Number	Unique identifier for the data entry.
Shale Plays	Varchar	Shale plays associated with the data entry.
State	Varchar	State associated with the data entry.
Sub Basin	Varchar	Sub-basin associated with the data entry.

INITIALPRODUCTION view

Name	Type	Description
API Number	Varchar	Well API number associated with the data entry.
ID	Number	Unique identifier for the data entry.
Initial Production - 30 Days	Float	Initial production of the well after 30 days.
Initial Production - 90 Days	Float	Initial production of the well after 90 days.
Initial Production - Half-Year	Float	Initial production of the well after half a year.
Initial Production - Year	Float	Initial production of the well after a year.
OilAndGasGroup	Varchar	Grouping of oil and gas information.

LOCATION View

Name	Type	Description
Id	Number	Unique identifier for the data entry.
Location	Varchar	Location associated with the data entry.
Range	Varchar	Range information associated with the data entry.
Section	Varchar	Section information associated with the data entry.
Township	Varchar	Township information associated with the data entry.
Zip Code	Varchar	Zip code associated with the data entry.

OPERATOR View

Name	Type	Description
Bloomberg Ticker	Varchar	Bloomberg ticker associated with the data entry.
Id	Number	Unique identifier for the data entry.
InjectionOperatorType	Varchar	Type of injection operator.
Operator	Varchar	Operator associated with the data entry.
Private Equity Backer	Varchar	Private equity backer associated with the data entry.

Name	Type	Description
Public Private Company	Varchar	Type of company, either public or private.
Reported Operator	Varchar	Reported operator associated with the data entry.
Short Ticker	Varchar	Short ticker associated with the data entry.

PRICES View

Name	Type	Description
Brent oil price	Float	Brent oil price associated with the data entry.
Id	Number	Unique identifier for the data entry.
Month	Number	Month associated with the data entry.
WCS oil price	Float	WCS oil price associated with the data entry.
WTI Cushing oil price	Float	WTI Cushing oil price associated with the data entry.
WTI Midland oil price	Float	WTI Midland oil price associated with the data entry.
Year	Number	Year associated with the data entry.

PRODUCTION View

Name	Type	Description
API Number	Varchar	API number associated with the data entry.
CumulativeCalendarMonths	Number	Cumulative calendar months associated with the data entry.
CumulativeCalendarYears	Number	Cumulative calendar years associated with the data entry.
Id	Number	Unique identifier for the data entry.
Month	Number	Month associated with the data entry.
OilAndGasCategory	Varchar	Category of oil and gas associated with the data entry.
OilAndGasGroup	Varchar	Group of oil and gas associated with the data entry.
Production	Float	Production value associated with the data entry.
Production Forecast Group	Varchar	Forecast group associated with the data entry.
Production Phase	Varchar	Phase of production associated with the data entry.
Year	Number	Year associated with the data entry.

PRODUCTION3STREAM View

Name	Type	Description
API Number	Varchar	API number associated with the data entry.
Id	Number	Unique identifier for the data entry.
Month	Number	Month associated with the data entry.
OilAndGasCategory	Varchar	Category of oil and gas associated with the data entry.
OilAndGasGroup	Varchar	Group of oil and gas associated with the data entry.
Production Forecast Group	Varchar	Forecast group associated with the data entry.
Production3Stream	Float	3-stream production value associated with the data entry.
Year	Number	Year associated with the data entry.

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Name	Type	Description
API Number	Varchar	API number associated with the data entry.
FlaredGas_MCf	Float	Flared gas in thousands of cubic feet associated with the data entry.
GrossGasProduction_MCf	Float	Gross gas production in thousands of cubic feet associated with the data entry.
Id	Number	Unique identifier for the data entry.
Month	Number	Month associated with the data entry.
Year	Number	Year associated with the data entry.

Name	Type	Description
Id	Number	Unique identifier for the data entry.
Pad Drilling Group	Varchar	Group categorization for pad drilling.
Refracturing Group	Varchar	Group categorization for refracturing.
Unconventional Detail	Varchar	Detailed information about unconventional attributes.
Unconventional Group	Varchar	Group categorization for unconventional attributes.

Name	Type	Description
Calendar days	Number	Number of calendar days.
Month	Number	Month of the year.
Year	Number	Year of the calendar date.

Name	Type	Description
Id	Number	Unique identifier for the record.
LastUpdated	Timestamp_NTZ	Timestamp indicating the last update.
RowCount	Number	Count of rows in a table.
TableName	Varchar	Name of the table in the database.

Name	Type	Description
API Number	Varchar	API number of the well.
Cumulative Calendar Months	Number	Cumulative calendar months since the start.
Cumulative Calendar Years	Number	Cumulative calendar years since the start.
DUC Inventory	Number	Drilled but UnCompleted (DUC) well inventory.
Days on Production	Float	Number of days the well has been in production.
Drilled Wells	Number	Count of drilled wells.
Id	Number	Unique identifier for the record.

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Name	Type	Description
Month	Number	Month of the data record.
Oil And Gas Category	Varchar	Category of oil and gas data.
Oil And Gas Group	Varchar	Group of oil and gas data.
Production (Barrels)	Float	Amount of oil production in barrels.
Production Forecast Group	Varchar	Group for production forecast data.
Water Production	Float	Amount of water production.
Year	Number	Year of the data record.

WELLEUR view

Name	Type	Description
API Number	Varchar	API number of the well.
Estimated Well Ultimate Recovery	Float	Estimated ultimate recovery of the well.
Id	Number	Unique identifier for the record.
Oil And Gas Category	Varchar	Category of oil and gas data.
Oil And Gas Group	Varchar	Group of oil and gas data.

WELLHEADER View

Name	Type	Description
Stimulation End Date	Date	Date when stimulation of the well ended.
Stimulation End Date Reporting Group	Varchar	Reporting group for the stimulation end date.
Stimulation Start Date	Date	Date when stimulation of the well started.
Stimulation Start Date Reporting Group	Varchar	Reporting group for the stimulation start date.
String Bottom	Float	Depth of the bottom of the well's string.
String Cement Use	Float	Amount of cement used in the well's string.
String Diameter Total	Float	Total diameter of the well's string.
String Top	Float	Depth of the top of the well's string.
Surface Lateral Projection	Float	Lateral projection on the surface.
TD to Production Time	Float	Time interval from total depth to production.
TD to Start Frac Time	Float	Time interval from total depth to start of frac.
TMD Category	Varchar	Category of total measured depth.
TMD Detail	Varchar	Detailed description of total measured depth.
TMD Group	Varchar	Group of total measured depth.
TVD Category	Varchar	Category of true vertical depth.
TVD Detail	Varchar	Detailed description of true vertical depth.
TVD Group	Varchar	Group of true vertical depth.
Target Formation Source	Varchar	Source of target formation information.
Target Formation Source Confidence	Varchar	Confidence level in the target formation source.
Texas District	Varchar	District information for Texas.
Total Depth Date	Date	Date when the total depth was reached.
Total Measured Depth	Float	Total measured depth of the well.

Name	Type	Description
True Vertical Depth	Float	True vertical depth of the well.
Upper Perforation	Float	Depth of the upper perforation in the well.
Vertical Spacing Lower	Float	Vertical spacing lower limit.
Vertical Spacing Upper	Float	Vertical spacing upper limit.
VerticalSpacingLower	Float	Vertical spacing lower limit. (Duplicate entry)
VerticalSpacingUpper	Float	Vertical spacing upper limit. (Duplicate entry)
WTI Breakeven Full Cycle	Float	Breakeven price for the well's full cycle.
WTI Breakeven Go Forward	Float	Breakeven price for the well's future performance.
Well Direction	Varchar	Direction of the well (e.g., horizontal, vertical).
Well Name	Varchar	Name of the well.
Well Origin	Varchar	Origin of the well.
Well Spacing	Float	Spacing of the well.
Well Status	Varchar	Status of the well (e.g., active, inactive).
Well Type	Varchar	Type of the well (e.g., conventional, unconventional).
Wellhead Breakeven Gas Price	Float	Breakeven gas price at the wellhead.
Wellhead Breakeven Oil Price	Float	Breakeven oil price at the wellhead.
Wells Per Landing Zone	Number	Number of wells per landing zone.
Zipper Frac Completion	Varchar	Completion type using zipper frac technique.
Zones Per Spacing Unit	Number	Number of zones per spacing unit.

WELLINFO View

Name	Type	Description
API Number	Varchar	API number of the well.
Completed Wells	Number	Number of completed wells.
Cumulative Calendar Months	Number	Cumulative calendar months.
Cumulative Calendar Years	Number	Cumulative calendar years.
DUC Inventory	Number	Number of wells in DUC (Drilled but UnCompleted) inventory.
Id	Number	Unique identifier.
Month	Number	Month value.
Oil And Gas Group	Varchar	Group of oil and gas data.
Producing Wells	Number	Number of producing wells.
Rig Demand	Float	Rig demand for the wells.
Spudded Wells	Number	Number of spudded (started drilling) wells.
Started Wells	Number	Number of started wells.
Year	Number	Year value.

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WELLINJECTION View

Name	Type	Description
API Number	Varchar	API number of the well.
Id	Number	Unique identifier.
Month	Number	Month value.
Monthly Average Injection Pressure	Float	Monthly average injection pressure.
Monthly Injection Liquid Volume	Float	Monthly injection liquid volume.
Monthly Max Injection Pressure	Float	Monthly maximum injection pressure.
Year	Number	Year value.

WELLSTRINGRECORD View

Name	Type	Description
API Number	Varchar	API number of the well.
Id	Number	Unique identifier.
String Bottom	Float	Depth of the bottom of the string.
String Cement Use	Float	Amount of cement used in the string.
String Diameter	Float	Diameter of the string.
String Order	Number	Order of the string.
String Top	Float	Depth of the top of the string.
String Type	Varchar	Type of the string.