

PG&E's Pipeline Attributes

Fields

Column Name	Alias Name	Description
OBJECTID	OBJECTID	Unique identifier
ENABLED	Enabled	Not Used
STYPE	sType	Type of pipe segment: 1201 – Active_Pipe, 1202 - Inactive Pipe, 1207 - Foreign Pipe, 1208 - Casing
ROUTE	ROUTE	Line number w/sub-route designated, e.g. 300A, or 300A-1
SEGMENT_NO	SEGMENT_NO	Segment number of route = A unique, sequential number greater than 100. Add an X for deactivated pipe, C for Casing and R for Removed Pipe.
SOURCERT	SOURCERT	For branch lines, the source route of the branch
SOURCEMP	SOURCEMP	For branch lines, the milepoint of the source route
LOCATION	LOCATION	DFM pipe only. The common line description.
STANAME	STANAME	name of station associated with pipeline
MP1	MP1	beginning milepoint of segment
MP2	MP2	ending milepoint of segment
FS1_OLD	FS1_OLD	Field station at beginning of segment
FS2_OLD	FS2_OLD	Field station at ending of segment.
JNTEFF	JntEff	Joint efficiency.
GIRTH_WELD	Girth_Weld	Girth weld type: Arc, Gas, or Flash
LONG_SEAM	Long_Seam	Long seam type: FBW - furnace butt weld, CW - continuous weld, DSAW - double submerged arc weld, ERW - elec. Res. Weld, SSAW - single submerged arc weld, LAP - lap weld, SMLS - seamless, AOS - A.O. Smith, FBW - furnace butt weld
JOINT_TYPE	Joint_Type	Joint type: BUTT - butt weld, BBCR - bell bell chill ring, BLSP - bell and spigot, SW - socket weld
SMYS	SMYS	Specified Minimum Yield Strength
GRADE	Grade	Pipe grade
W_THICK	W_THICK	Wall thickness
OD	OD	Outside diameter
MANUF	MANUF	Manufacture
TEST_JOB	TEST_JOB	Pressure test job number
TEST_DATE	TEST_DATE	Pressure test date
TEST_REC	TEST_REC	Hydro test record number
TEST_PRESS	TEST_PRESS	Pressure test pressure
TEST_MEDIUM	Test_Medium	Pressure test medium: W - water, G - natural gas, N - nitrogen, A - air, L - leak test.
TEST_DUR	TEST_DUR	Pressure test duration in decimal hours
COVER	COVER	Depth of cover
MAOP	MAOP	Maximum allowable operating pressure of segment
SMYS_MAOP	SMYS_MAOP	Percent SMYS @ MAOP
MOP	MOP	Maximum allowable operating pressure of system
SMYS_MOP	SMYS_MOP	Percent SMYS @ MOP
SMYS_ALLOW	SMYS_ALLOW	SMYS allowed per class pres.
FDP	FDP	Future Design pressure
DP	DP	Design pressure
PARAGRAPH_A	PARAGRAPH_A	Welding pressure per Paragraph A
PARAGRAPH_B	PARAGRAPH_B	Welding pressure per Paragraph B
COAT_TYPE	Coat_Type	Coating type: Refer to "Coating Type" tab
COAT_DATE	COAT_DATE	Coating date
COND	Cond	Condition of pipe: E - excellent, G - good, F - fair, P - poor.
JOB_NO	JOB_NO	Job number that installed the pipe.
YR_INSTALL	YR_INSTALL	Year or date of installation
FOOTAGE	FOOTAGE	Chain length footage of segment
CLASS_ASBUILT	Class_AsBuilt	Class location of the pipe when it was installed.
CLASS_PRESENT	Class_Present	The current class location of the pipe.
NO_DWELL	NO_DWELL	The historic number of dwellings - field not maintained.
UPGRADEJOB	UPGRADEJOB	job number of pipe for uprate/deactivation/removal.
MAINTORG	MaintOrg	Maintenance Organization
ADDCOMMENT	ADDCOMMENT	mapping comments
MCFD	MCFD	million cubic feet per day
NO_CUST	NO_CUST	number of customers
CPA	CPA	Cathodic protection area
QA	QA	Code indicating pipeline alignment accuracy and pipeline alignment source data. Refer to QA Values tab.
STATUS	Status	Status of pipeline: 0 - Deactivated, 1 - Active, 2 - removed, 4 - proposed
FAC_TYPE	Fac_Type	Facility type: see Facility Type tab
DATE_CREATED	DATE_CREATED	Date of first entry into database
SHAPE	Shape	GIS geometry of the pipeline segment (stores vertex and endpoint coordinates)
ROUTE_ID	ROUTE_ID	route identifier
TRANS_DEF	TRANS_DEF	Transmission Definition per 49 CFR 192.3: T = Transmission, TC = Transmission large volume customer, T1 = conservatively considered Transmission but more information on the pipe may prove it otherwise, D = distribution, blank = not transmission
ROUTE_JOIN	ROUTE_JOIN	database identifier
IMA_NAME	IMA_NAME	Integrity Management Area name
HCA_ID	HCA_ID	HCA status code of segment: begins with A, B or I means it is HCA pipe.

PG&E's Pipeline Attributes

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Column Name	Alias Name	Description
BAR_ID	BAR_ID	identifier for PLM system
ASMT_PLAN	ASMT_PLAN	Stores year and method of targeted completion for external corrosion integrity assessments
LST_ASMT	LST_ASMT	Year of last assessment
PLM_DESC	PLM_DESC	Description from PLM system
PLAT_NO	PLAT_NO	Gas Distribution Plat number
NO_VENTS	No_Vents	Number of vents
EDIT_VERSION	EDIT_VERSION	Edit version name
EDIT_DATE	EDIT_DATE	Edit version Date
IMP_ZONE	IMP_ZONE	Potential Impact Radius
HCA_RISK	HCA_RISK	Risk for HCA
EC_THREAT	EC_THREAT	External Corrosion threat
TP_THREAT	TP_THREAT	Third Party threat
SCC_THREAT	SCC_THREAT	Stress Corrosion Cracking threat
MANU_THREAT	MANU_THREAT	Manufacture threat
CONST_THREAT	CONST_THREAT	Construction threat
OF_THREAT	OF_THREAT	Outside forces threat
HS_THREAT	HS_THREAT	Hard Spot threat
IC_THREAT	IC_THREAT	Internal Corrosion threat
FUT_ASMT	FUT_ASMT	Not used
LEAK_SRVGP	LeakSurveyGroup	Leak survey group number
GASMAPID	GASMAPID	Unique identifier
WP_ID	WP_ID	Not Used
SHAPE.len	SHAPE.len	length of segment in feet calculated on the planimetric basis (i.e. does not consider verticle component).

PG&E's Pipeline Attributes

QA - Quality Assurance

The QA attribute on the pipe data is an indicator of the accuracy of the data.

The first digit is the spatial digit. This digit indicates the accuracy of the data in relation to the true location.

The second digit is the source digit. This digit makes known the source of the data.

The first and second digits are used in combination to describe the data quality.

Examples:

Aerial Photos - 21

Traditional Surveys - 22

As-Builts - 24

Plat - 35

PLSS - 56

GPS - 23

Resource GPS - 43

A QA may also be chosen from the following lists if the above QA numbers do not fit. If you have questions on assigning QA numbers, please ask one of the GIS Team.

<u>Spatial</u>		<u>Source</u>	
<u>Digit</u>	<u>Definition</u>	<u>Digit</u>	<u>Definition</u>
1	CM	1	Aerial Photos
2	Submeter	2	Traditional Surveys
3	2-5 Meter	3	Resource GPS
4	10 Meter	4	As Built
5	30 Meter	5	Plats
6	100 Meter	6	PLSS/ Wallmap
7	1 KM	7	7.5' USGS Quad
8	5 KM	8	100K USGS Quad
9	Unknown/Best Fit	9	Unknown

PG&E's Pipeline Attributes

PipeSpec Coating Types

Text value	DomainCode	Description
UNK	100	Unknown
WAX	551	Wax
BARE	552	Bare Pipe
COAL TAR	553	Coal Tar
CONC	554	Concrete
FBE	555	Fusion Bonded Epoxy
HAA	557	Hot Applied Asphalt
MECH	558	
PAINT	559	Paint
PC	560	
PCJ	561	Powercrete J
PL	562	
SOMA	565	Somastic
STL	566	
TAPE	567	Use for DW, double wrapped, single wrapped, polyken, etc
XTRUPL	568	Extruded Plastic
DEV-GRIP 238	570	DEVGRIP 238 Abrasion Resistant Epoxy Coating
BAR-RUST 235	569	Bar Rust 235 Multi-Purpose Epoxy coating
DEV-TAR 247	571	DEVTAR 247 High Build Epoxy Mastic
Protal 7200	572	Denso Protal 7200
Other	574	Other coating type - there are two entries both of which are Stac Wrap

PG&E's Pipeline Attributes

Facility Type

Internal	Code	description	QUERY	
	502	UGS	Underground Storage	FAC_TYPE = 502
	503	DFM	Distribution Feeder Main	FAC_TYPE = 503
	504	BB	Backbone Transmission	FAC_TYPE = 504
	505	BD	Blow Down	FAC_TYPE = 505
	506	SERV	Service	FAC_TYPE = 506
	507	FORGN	Foreign pipe (Non-PG&E ownership)	FAC_TYPE = 507
	508	LT	Local Transmission	FAC_TYPE = 508
	509	DSBN	Distribution pipe under 60 pounds	FAC_TYPE = 509
	510	SP	Standard Pacific Gas Line Inc. (joint ownership)	FAC_TYPE = 510
	511	GG	Gas Gathering deactivated prior to new Gas Gathering regulations	FAC_TYPE = 511
	512	GG-LT	Formerly Gas Gathering that is now classed as Local Transmission per Federal Code change	FAC_TYPE = 512
	513	GG-A	Gas Gathering Type A regulation	FAC_TYPE = 513
	514	GG-B	Gas Gathering Type B regulation	FAC_TYPE = 514
	515	GG-U	Gas Gathering unregulated	FAC_TYPE = 515