

## **ANEXO 3: ESTRUCTURA DE LA GEODATABASE**

Variable	Aplicación	Dominio	Tipo	Descripción	Fid_type	Fid_size	Feature	APDM domain
Sleeve	Camisa	Facilities		The Sleeve feature class stores information about sleeves, clamps, reinforcements, and other repair features that are applied around the girth of pipes. Sleeve features do not typically overlap each other and are dependent on the presence of a pipe segment feature.	Line		Sleeve	
Remarks	Comentarios			Open field used for comments, remarks, or notes about the object.	Text	255	Sleeve	
InstallationDate	FechaDeInstalacion			The date a piece of equipment is installed. InstallationDate is important for risk analysis.	Date/Time	8	Sleeve	
InServiceDate	FechaEnServicio			Represents the date a piece of equipment is actually put in service and is used primarily for accounting purposes. Note that the InServiceDate date may be later than the installation date.	Date/Time	8	Sleeve	
BeginStation	ProgresivaInicial			The station value for the beginning of an Online Polyline feature, or the station value of an Online Point feature.	Double	8	Sleeve	
EndStation	ProgresivaFinal			The station value for the end of an Online Polyline feature. For Online Point features, the value for this attribute is the same as that for BeginStation.	Double	8	Sleeve	
GradeLabel	Grado	fcGradeLabel	coded values	Grade refers to the chemical composition of the steel used to manufacture the pipe. Grade A (less carbon) has lower strength, but higher ductility; Grade B (more carbon) is higher strength, but less ductile.	Text	50	Sleeve	fcGrade
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
SMYS Grade A		SMYS Grade A						SMYS Grade A
SMYS Grade B		SMYS Grade B						SMYS Grade B
SMYS 24 ksi		SMYS 24 ksi						SMYS 24 ksi
SMYS 25 ksi		SMYS 25 ksi						SMYS 25 ksi
SMYS 30 ksi		SMYS 30 ksi						SMYS 30 ksi
SMYS 35 ksi		SMYS 35 ksi						SMYS 35 ksi
SMYS 40 ksi		SMYS 40 ksi						SMYS 40 ksi
SMYS 41 ksi		SMYS 41 ksi						SMYS 41 ksi
SMYS 42 ksi		SMYS 42 ksi						SMYS 42 ksi
SMYS 44 ksi		SMYS 44 ksi						SMYS 44 ksi
SMYS 45 ksi		SMYS 45 ksi						SMYS 45 ksi
SMYS 46 ksi		SMYS 46 ksi						SMYS 46 ksi
SMYS 48 ksi		SMYS 48 ksi						SMYS 48 ksi
SMYS 52 ksi		SMYS 52 ksi						SMYS 52 ksi
SMYS 56 ksi		SMYS 56 ksi						SMYS 56 ksi
SMYS 60 ksi		SMYS 60 ksi						SMYS 60 ksi
SMYS 62 ksi		SMYS 62 ksi						SMYS 62 ksi
SMYS 65 ksi		SMYS 65 ksi						SMYS 65 ksi
SMYS 70 ksi		SMYS 70 ksi						SMYS 70 ksi
SMYS 80 ksi		SMYS 80 ksi						SMYS 80 ksi
SMYS 90 ksi		SMYS 90 ksi						SMYS 90 ksi
NominalDiameter	DiametroNominal	fcDiameter	coded values	The nominal outside diameter of the sleeve. The fcDiameter domain is considered a 'core' APDM domain and must be implemented verbatim.	Text	50	Sleeve	fcDiameter
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
1"		1"						1"
2"		2"						2"
3"		3"						3"
4"		4"						4"
6"		6"						6"
8"		8"						8"
10"		10"						10"
12"		12"						12"
14"		14"						14"
16"		16"						16"
18"		18"						18"
20"		20"						20"
22"		22"						22"
24"		24"						24"
30"		30"						30"
32"		32"						30"
36"		36"						36"
SleeveLength	LargoDeLaCamisa			The measured/calculated length of the sleeve.	Double	8	Sleeve	
SleeveType	TipoDeCamisa	fcSleeveType	coded values	The type of sleeve applied to the pipe (e.g., repair, clamp, composite).	Text	50	Sleeve	fcSleeveType
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Composite Sleeve		Composite Sleeve						Composite Sleeve
Coupling Reinforcement Sleeve		Coupling Reinforcement Sleeve						Coupling Reinforcement Sleeve
Emergency Sleeve		Emergency Sleeve						Emergency Sleeve
Full Encirclement Welded Split Sleeve		Full Encirclement Welded Split Sleeve						Full Encirclement Welded Split Sleeve
Leak Clamp		Leak Clamp						Leak Clamp
Pipe Cutout		Pipe Cutout						Pipe Cutout
Saddle Reinforcement Sleeve		Saddle Reinforcement Sleeve						Saddle Reinforcement Sleeve
Shrink Sleeve		Shrink Sleeve						Shrink Sleeve
Wedding Ring Sleeve		Wedding Ring Sleeve						Wedding Ring Sleeve
Weld Reinforcement Sleeve		Weld Reinforcement Sleeve						Weld Reinforcement Sleeve
WallThickness	EspesorDePared	fcWallThicknessValue	range	(required APDM domain) – The wall thickness of the casing. The fcWallThickness domain is considered a 'core' APDM domain and must be implemented verbatim.	Double	8	Sleeve	fcWallThicknessValue
Minimum value	Minimum value		0					Unknown

Maximum value	Maximum value	1,5					Unknown (Verified)
LineCrossing	CruceDeLinea	Encroachments		The LineCrossing feature represents a set of linear features (roads, rivers, fences, etc.) that intersect the centerline of the pipeline. Every pipeline company must track any of these features for right-of-way purposes, ownership purposes, and DOT/FERC safety regulations. The LineCrossing feature class has no inherent referential position but relies on the LineCrossingLocation (online point) and LineCrossingEasement (online polyline) to store referenced location information about the line crossing. The relationship between LineCrossing and Contact and the relationship between LineCrossing and Company model the line crossing owner/operator and first contact information for the line crossing.	Line		
Remarks	Comentarios			Open field used for comments, remarks, or notes about the object.	Text	255	LineCrossing
Clearance	DistanciaDeSeparacion			The distance of the line crossing above or below the pipeline at the point of crossing.	Double	8	LineCrossing
CrossingType	TipoDeCruce	enLCGeography	coded values	The type of line crossing based on the line crossing subtype (e.g., road, river).	Text	50	LineCrossing
Unknown (Verified)		Desconocido (Verificado)					enLCGeography
Unknown		Desconocido					Unknown (Verified)
Bayou		Arroyo					Unknown
Canal		Canal					Bayou
Creek		Quebrada					Canal
Ditch		Zanja					Creek
Drain		Drenaje					Ditch
Drain Tile							Drain
Fence		Cerco o muro					Drain Tile
Lake		Lago o laguna					Fence
Levee		Atajado					Lake
River		Rio					Levee
Sidewalk		Acera					River
Waterline		Ribera					Sidewalk
CrossingType	TipoDeCruce	enLCUtility	coded values	The type of line crossing based on the line crossing subtype (e.g., road, river).	Text	50	Waterline
Unknown (Verified)		Desconocido (Verificado)					LineCrossing
Unknown		Desconocido					Unknown (Verified)
Company Owned Pipeline		Ducto de YPFBT					Unknown
Foreign Pipeline		Ducto de terceros					Company Owned Pipeline
Overhead Cable		Línea aérea					Foreign Pipeline
Sewer Line		Red de aguas servidas					Overhead Cable
Storm Sewer		Alcantarillas					Sewer Line
Telephone Line		Telephone Line					Storm Sewer
Waterline		Red de agua					Telephone Line
Underground Cable (Conduit)		Línea enterrada					Waterline
CrossingType	TipoDeCruce	enLCTransportation	coded values	The type of line crossing based on the line crossing subtype (e.g., road, river).	Text	50	Underground Cable (Conduit)
Unknown (Verified)		Desconocido (Verificado)					LineCrossing
Unknown		Desconocido					Unknown (Verified)
Black Top Road		Camino asfaltado					Unknown
Culvert		Canal cubierto					Black Top Road
Driveway		Calle					Culvert
Gravel Road		Camino Empedrado					Driveway
Highway		Carretera departamental					Gravel Road
Interstate Highway		Carretera nacional					Highway
Landing Strip		Pista de aterrizaje					Interstate Highway
Railroad		FFCC					Landing Strip
Road		Carretera municipal					Railroad
Sidewalk		Acera					Road
EasementWidth	AnchoDeServidumbre			The total easement width where the LineCrossing intersects the centerline.	Double	8	Sidewalk
Name	Nombre			The name of the line crossing (e.g., Kansas Northern Railroad).	Text	90	LineCrossing
SubTypeCD	SubTipo			The subtype field.	Long Integer	4	LineCrossing
	1 Geografico	1					Geographical
	2 Servicio	2					Utility
	3 Transporte	3					Transportation
RightOfWay	DDV	Operations		The RightOfWay feature class stores information describing easements and right-of-way information of the pipeline as it passes through polygonal boundaries such as property parcels, operating districts, and municipal/political boundaries. Right-of-way polyline features are used to indicate the starting position of the pipeline as it enters and exits an area including a distance or length value of the reach of the pipeline within the area. Right-of-way features contain easement widths that can be used to buffer the feature. The address and contact relationships model ownership and address information for the section of the pipeline that passes through right-of-way. A relationship exists between LineLoop and RightOfWay, which models that a RightOfWay linear feature falls on one and only one LineLoop and is used as a source of identification.	Line		
Remarks	Comentarios			Open field used for comments, remarks, or notes about the object.	Text	255	RightOfWay
LineName	NombreDelDucto				Text	255	LineLoop

BeginStation	ProgresivaInicial			The station value for the beginning of an Online Polyline feature, or the station value of an Online Point feature.	Double	8	RightOfWay	
EndStation	ProgresivaFinal			The station value for the end of an Online Polyline feature. For Online Point features, the value for this attribute is the same as that for BeginStation.	Double	8	RightOfWay	
ParcelNumber	CodigoDeParcela			Records the parcel identification number the right-of-way feature passes through and can be used to link the right-of-way to a property information system	Text	50	RightOfWay	
	NombreDeParcela				Text	50	RightOfWay	
ROWType	TipoDeDDV	opRightOfWayType	coded values	Describes the arrangement between the land owner and the pipeline	Text	50	RightOfWay	opRightOfWayType
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Servidumbre (Exclusiva)		Servidumbre (Exclusiva)						Easement (Exclusive)
Servidumbre (No Exclusiva)		Servidumbre (No Exclusiva)						Easement (Non-Exclusive)
Tasa fija		Tasa fija						Fee
Licencia		Licencia						License
	ActividadAgricola	opROWAgriculture	coded values	Describes the traction type used for crop production	Text	50	RightOfWay	
Unknown (Verified)		Desconocido (Verificado)						
Unknown		Desconocido						
Manual		Manual						
Animal		Animal						
Mecanica		Mecanica						
TraverseLength	TravesiaCampo			The measured length of the right-of-way feature	Double	8	RightOfWay	
	TravesiaGabinete			The calculated length of the right-of-way feature	Double	8	RightOfWay	
EasementWidth	AnchoDeServidumbre			The width of the easement to either side of the right-of-way feature	Double	8	RightOfWay	
	Superficie_Ha				Double	10	RightOfWay	
	Indemnizacion				Double	10	RightOfWay	
	DirigenteTipo				Text	100	Contact	
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Barrio		Barrio						
Distrito		Distrito						
Comunidad		Comunidad						
Minicipio		Minicipio						
TCO		TCO						
ContactType	TipoContacto	gnContactType	coded values	Brief job description/organizational position of contact person.	Text	50	Contact	gnContactType
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Empleado		Empleado						Company Employee
Institucion de emergencia		Institucion de emergencia						Emergency Agency
Gerente		Gerente						Manager
Propietario		Propietario						Landowner
Ocupante		Ocupante						Tenant
FirstName	Nombre			The name of the structure or area, e.g. Rose Park Golf Course, Metro Hospital.	Text	100	Contact	
LastName	ApellidoPaterno			Apellido paterno del propietario	Text	100	Contact	
	ApellidoMaterno			Apellido materno del propietario	Text	100	Contact	
	CI				Long Integer	8	Contact	
FirstName	Nombre2			The name of the structure or area, e.g. Rose Park Golf Course, Metro Hospital.	Text	100	Contact	
LastName	ApellidoPaterno2			Apellido paterno del propietario	Text	100	Contact	
	ApellidoMaterno2			Apellido materno del propietario	Text	100	Contact	
	CI2				Long Integer	8	Contact	
TitleOwner	DerechoPropietario	gnTipoPosesion	coded values		Text	50	RightOfWay	
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Propietario		Propietario						
Poseedor		Poseedor						
TitleAccreditation	DerechoDeAcreditacion	gnTipoAcreditacion	coded values		Text	50	RightOfWay	
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
SubAdquiriente		SubAdquiriente						
Herederero		Herederero						
Dotacion		Dotacion						
CertificadodePosecion		CertificadodePosecion						
Notary	Notario	gnNotario	coded values		Text	50	RightOfWay	
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
ReconocimientodeFirma		ReconocimientodeFirma						
Protocolo		Protocolo						
Street1	Direccion			Direccion de referencia de la construccion	Text	100	Address	
City	Ciudad			Ciudad de referencia de la construccion	Text	100	Address	
County	Municipio				Text	100	Address	
StateProvince	Departamento			En oficina se calculan los datos referentes a la construccion de uso colectivo.	Text	100	Address	
	Begin_x_loc				Double	8		
	Begin_y_loc				Double	8		
	End_x_loc				Double	8		
	End_y_loc				Double	8		
	Fotografia				Text	100		
Casing	Encamisado	Facilities		The Casing feature class represents a protective structural device surrounding a pipe segment. Casings are used to protect pipelines from the weight, pressure, and vibration caused by traffic on roads, railroads, and other types of line crossings.	Line			

Remarks	Comentarios			Open field used for comments, remarks, or notes about the object.	Text	255	Casing	
InstallationDate	FechaDeInstalacion			The date a piece of equipment is installed. InstallationDate is important for risk analysis.	Date/Time	8	Casing	
InServiceDate	FechaEnServicio			Represents the date a piece of equipment is actually put in service and is used primarily for accounting purposes. Note that the InServiceDate date may be later than the installation date.	Date/Time	8	Casing	
BeginStation	ProgresivaInicial			The station value for the beginning of an Online Polyline feature, or the station value of an Online Point feature.	Double	8	Casing	
EndStation	ProgresivaFinal			The station value for the end of an Online Polyline feature. For Online Point features, the value for this attribute is the same as that for BeginStation.	Double	8	Casing	
CasingLength	LargoDelEncamisado			The length of the casing unit along the pipeline.	Double	8	Casing	
CrossingType	TipoDeCruce	fcCasingCrossingType	coded values	The type of line crossing over the pipeline (e.g., road, railroad).	Text	50	Casing	fcCasingCrossingType
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Bayou		Bayou						Bayou
Canal		Canal						Canal
Foreign Pipeline		Foreign Pipeline						Foreign Pipeline
Interstate Highway		Interstate Highway						Interstate Highway
Landing Strip		Landing Strip						Landing Strip
Railroad		Railroad						Railroad
Road		Road						Road
State Highway		State Highway						State Highway
Street		Street						Street
Filled	Relleno	gnYesNo	coded values	A domain used to depict a yes or no value while accounting for the possibility of unknown values. This gnYesNo domain is a coded value domain containing the following long integer values:	Text	50	Casing	gnYesNo
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Yes		Yes						Yes
No		No						No
InsulatorType	TipoDeAislamiento	fcCasingInsulatorType	coded values	Tipo de aislamiento del encamisado	Text	50	Casing	fcCasingInsulatorType
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Concrete		Concrete						Concrete
Cradle		Cradle						Cradle
Centering Cradle		Centering Cradle						Centering Cradle
Plastic		Plastic						Plastic
Rock Shield		Rock Shield						Rock Shield
Thinsulators		Thinsulators						Thinsulators
Madera		Madera						Wood
Ninguno		Ninguno						None
OutsideDiameter	DiametroDeSalida	fcDiameter	coded values	The nominal outside diameter of the casing. The fcDiameter domain is considered a 'core' APDM domain and must be implemented verbatim.	Text	50	Casing	fcDiameter
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
1"		1"						1"
2"		2"						2"
3"		3"						3"
4"		4"						4"
6"		6"						6"
8"		8"						8"
10"		10"						10"
12"		12"						12"
14"		14"						14"
16"		16"						16"
18"		18"						18"
20"		20"						20"
22"		22"						22"
24"		24"						24"
30"		30"						30"
32"		32"						32"
36"		36"						36"
SealType	TipoDeSello	fcCasingSealType	coded values	The type of seal used to close the casing (e.g., epoxy, case seal).	Text	50	Casing	fcCasingSealType
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Bolt On		Bolt On						Bolt On
Concrete		Concrete						Concrete
Epoxy		Epoxy						Epoxy
Link Seal		Link Seal						Link Seal
Rubber Boot		Rubber Boot						Rubber Boot
Case Seal		Case Seal						Case Seal
Shorted	Cortocircuitado	gnYesNo	coded values	A domain used to depict a yes or no value while accounting for the possibility of unknown values. This gnYesNo domain is a coded value domain containing the following long integer values:	Text	50	Casing	gnYesNo
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Yes		Yes						Yes
No		No						No

Vented	Ventilado	gnYesNo	coded values	A domain used to depict a yes or no value while accounting for the possibility of unknown values. This gnYesNo domain is a coded value domain containing the following long integer values:	Text	50	Casing	gnYesNo
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Yes		Yes						Yes
No		No						No
WallThickness	EspesorDePared	fcWallThicknessValue	range	(required APDM domain) – The wall thickness of the casing. The fcWallThickness domain is considered a 'core' APDM domain and must be implemented verbatim.	Double	8	Casing	fcWallThicknessValue
Minimum value	Minimum value		0					Unknown
Maximum value	Maximum value		1.5					Unknown (Verified)
	LineaParalela	Encroachments		The LineParallel feature represents a set of linear features (roads, rivers, fences, etc.) that parallel the centerline of the pipeline. Every pipeline company must track any of these features for interference purposes, ownership purposes, and DOT/FERC safety regulations.	Line			
Remarks	Comentarios			Open field used for comments, remarks, or notes about the object.	Text	255		
ParallelType	TipoDeParalelo	enLCGeography	coded values	The type of line parallel based on the line parallel subtype (e.g., road, river).	Text	50		enLCGeography
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Bayou		Arroyo						Bayou
Canal		Canal						Canal
Creek		Quebrada						Creek
Ditch		Zanja						Ditch
Drain		Drenaje						Drain
Drain Tile		Drenaje Mosaico						Drain Tile
Fence		Cerco o muro						Fence
Lake		Lago o laguna						Lake
Levee		Atajado						Levee
River		Rio						River
Sidewalk		Acera						Sidewalk
Waterline		Ribera						Waterline
ParallelType	TipoDeParalelo	enLCUtility	coded values	The type of line parallel based on the line parallel subtype (e.g., road, river).	Text	50		enLCUtility
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Company Owned Pipeline		Ducto de YPFBT						Company Owned Pipeline
Foreign Pipeline		Ducto de terceros						Foreign Pipeline
Overhead Cable		Linea aerea						Overhead Cable
Sewer Line		Red de aguas servidas						Sewer Line
Storm Sewer		Alcantarillas						Storm Sewer
Telephone Line		Linea Telefonica						Telephone Line
Waterline		Red de agua						Waterline
Underground Cable (Conduit)		Linea enterrada						Underground Cable (Conduit)
ParallelType	TipoDeParalelo	enLCTransportation	coded values	The type of line parallel based on the line parallel subtype (e.g., road, river).	Text	50		enLCTransportation
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Black Top Road		Asfaltado						Black Top Road
Culvert		Alcantarilla						Culvert
Driveway		Calle						Driveway
Gravel Road		Camino de Grava						Gravel Road
Highway		Carretera						Highway
Interstate Highway		Carretera Interestatal						Interstate Highway
Landing Strip		Pista de Aterrizaje						Landing Strip
Railroad		Ferrocarril						Railroad
Road		Camino						Road
Sidewalk		Acera						Sidewalk
Name	Nombre			The name of the line crossing (e.g., Kansas Northern Railroad).	Text	90		
SubTypeCD	SubTipo			The subtype field.	Long Integer	4		
	1 Geografico		1				Geographical	Geographical
	2 Servicio		2				Utility	Utility
	3 Transporte		3				Transportation	Transportation
PressureTest	PruebaHidrostatica	Operaciones		The PressureTest feature class is designed to store features describing pressure tests conducted along parts of the pipeline. PressureTest features can potentially stretch over long reaches of the pipeline. When lengthy pressure test features span station series, these features must be segmented into lengths no longer than the underlying station series features. The GroupEventID attribute inherited from the Audit abstract class can be used to aggregate many separate pressure test features, with equal attributes, into a single grouped element.	Line			
LineName	NombreDelDucto				Text	255	LineLoop	
Remarks	Comentarios			Open field used for comments, remarks, or notes about the object.	Text	255	PressureTest	
BeginStation	ProgresivaInicio			The station value for the beginning of an Online Polyline feature, or the station value of an Online Point feature.	Double	8	PressureTest	
EndStation	ProgresivaFinal			The station value for the end of an Online Polyline feature. For Online Point features, the value for this attribute is the same as that for BeginStation.	Double	8	PressureTest	

MinAdjustedPressure	PresionMinimaAjustada			The minimum adjusted pressure of the pressure test	Integer	2	PressureTest	
MinDesignPressure	PresionMinimaDiseño			The minimum design pressure of the pressure test	Integer	2	PressureTest	
NominalDiameter	DiametroNominal	fcDiameter	coded values	The nominal outside diameter of the pipe. The fcDiameter domain is considered a 'core' APDM domain and must be implemented verbatim.	Text	50	PressureTest	fcDiameter
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
1"		1"						1"
2"		2"						2"
3"		3"						3"
4"		4"						4"
6"		6"						6"
8"		8"						8"
10"		10"						10"
12"		12"						12"
14"		14"						14"
16"		16"						16"
18"		18"						18"
20"		20"						20"
22"		22"						22"
24"		24"						24"
30"		30"						30"
32"		32"						32"
36"		36"						36"
DesignFactor	FactorDiseño			The design pressure factor of the pressure test	Double	8	PressureTest	
TestFactor	FactorPrueba			The pressure factor of the pressure test (required APDM domain) – Indicates if a pretest was conducted before the actual pressure test. The gnYesNo domain is considered a 'core' APDM domain and must be implemented verbatim.	Double	8	PressureTest	
PreTest	PreTest	gnYesNo	coded values		Text	50	PressureTest	gnYesNo
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Yes		Yes						Yes
No		No						No
TestDate	FechaDePrueba			The date on which the pressure test was conducted or started	Date/Time	8	PressureTest	
TestDuration	PruebaDuracion	opPressureTestDuration	coded values	The duration of the pressure test (e.g., 4, 8, 16 hours)	Text	50	PressureTest	opPressureTestDuration
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
1 hora		1 hora						1 hour
4 horas		4 horas						4 hours
8 horas		8 horas						8 hours
16 horas		16 horas						16 hours
24 horas		24 horas						24 hours
TestMedium	MedioDePrueba	opPressureTestMedium	coded values	The medium used to conduct the pressure test (e.g., water, nitrogen)	Text	50	PressureTest	opPressureTestMedium
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Aire		Aire						Air
Gas		Gas						Gas
Gas Inerte		Gas Inerte						Inert Gas
Gas Natural		Gas Natural						Natural Gas
Nitrogeno		Nitrogeno						Nitrogen
Agua		Agua						Water
TestName	NombreDePrueba			The organizational name assigned to the pressure test	Text	45	PressureTest	
TestType	TipoPrueba	opPressureTestType	coded values	The type of pressure test conducted (e.g., leak, strength, spike)	Text	50	PressureTest	opPressureTestType
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Fuga		Fuga						Leak
Resistencia		Resistencia						Strength
Impulso		Impulso						Spike
Coating	Revestimiento	Facilities		The Coating feature class represents the materials that are spread over a set of pipe segments and fittings to preserve the metal from corrosion and exposure to environmental conditions. Coating can be applied to the internal and/or external surfaces of pipe segments. It is also common for coating features to overlap other coating features. A pipe segment can potentially have zero or more internal and zero or more external applications of coating.	Line			
Remarks	Comentarios			El supervisor ingresa sus comentarios.	Text	255	Coating	
InstallationDate	FechaDeInstalacion			The date a piece of equipment is installed. InstallationDate is important for risk analysis.	Date/Time	8	Coating	
ReplaceByDate	FechaDeReemplazo			The date by which the rectifier must be replaced.	Date/Time	8	CPRectifier	
InServiceDate	FechaEnServicio			Represents the date a piece of equipment is actually put in service and is used primarily for accounting purposes. Note that the InServiceDate date may be later than the installation date.	Date/Time	8	Coating	
BeginStation	OT ProgresivaInicio			The station value for the beginning of an Online Polyline feature, or the station value of an Online Point feature.	Text Double	10 8	Coating	

EndStation	ProgresivaFinal			The station value for the end of an Online Polyline feature. For Online Point features, the value for this attribute is the same as that for BeginStation.	Double	8	Coating	
CoatingSource	RevestimientoAplicacion	fcCoatingApplicationSource	coded values	The place the coating was applied (e.g., mill, in situ).	Text	50	Coating	fcCoatingApplicationSource
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Campo		Campo						Field
Fabrica		Fabrica						Mill
Planta		Planta						Plant
CoatingCondition	RevestimientoCondicion	fcCoatingCondition	coded values	The last known condition of the coating (e.g., disbonded, intact).	Text	50	Coating	fcCoatingCondition
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Completely Disbonded		Desprendimiento completo						Completely Disbonded
Completely Intact		Completamente intacto						Completely Intact
Extensive Disbonding		Desprendimiento extenso						Extensive Disbonding
Isolated Disbonding		Desprendimiento aislado						Isolated Disbonding
CoatingMill	RevestimientoFabricante	fcCoatingManufacturer	coded values	The mill that manufactured the coating (e.g., DuPont, BASF).	Text	50	Coating	fcCoatingManufacturer
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
3M		3M						3M
BASF		BASF						BASF
Dupont		Dupont						Dupont
Dura Bond		Dura Bond						Dura Bond
Georgia-Pacific		Georgia-Pacific						Georgia-Pacific
Kraft		Kraft						Kraft
Lilly		Lilly						Lilly
Nap-Gard		Nap-Gard						Nap-Gard
Powercrete		Powercrete						Powercrete
Scotchkote		Scotchkote						Scotchkote
Tapecoat		Tapecoat						Tapecoat
Trenton		Trenton						Trenton
USS Chemical		USS Chemical						USS Chemical
Poliken- PolyGuard		Poliken- PolyGuard						Poliken-Polyguard
Wilko		Wilko						Wilko
Berry Plastics		Berry Plastics						Berry Plastics
InternalCoating	RevestimientoInterno	gnYesNo	coded values	(required APDM domain) – Indicates if coating was applied to inside of pipe. The gnYesNo domain is considered a 'core' APDM domain and must be implemented verbatim.	Text	50	Coating	gnYesNo
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Yes		Yes						Yes
No		No						No
CoatingLength	RevestimientoLongitud			The length of the coating application.	Double	8	Coating	
CoatingMaterial	RevestimientoMaterial	fcCoatingType	coded values	The type of coating (e.g., epoxy, asphalt, enamel).	Text	50	Coating	fcCoatingType
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Asbestos Felt		Filtro de Amianto						Asbestos Felt
Asphalt		Asfalto						Asphalt
Asphalt Enamel		Esmalte de Asfalto						Asphalt Enamel
Asphalt Primer		Primer de asfalto						Asphalt Primer
Atmospheric		Atmosferico						Atmospheric
Bare		Desnudo						Bare
Coal Tar (Cold)		Alquitran de hulla(frio)						Coal Tar (Cold)
Coal Tar (Hot Enamel)		Alquitran de hulla(Caliente)						Coal Tar (Hot Enamel)
Cold Primer		Primer Frio						Cold Primer
Concrete		Lastrado						Concrete
Enamel		Esmalte						Enamel
Epoxy		Liquido Epoxico						Epoxy
Extruded Asphalt		Asfalto Extruido						Extruded Asphalt
Extruded Polyethylene Jacket		Poli-etileno Extruido						Extruded Polyethylene Jacket
Fusion Bonded Epoxy		FBE						Fusion Bonded Epoxy
Felt Wrap		Felt Wrap						Felt Wrap
Flakeline		Flakeline						Flakeline
Glass Filled Polyester		Glass Filled Polyester						Glass Filled Polyester
Grease		Grasa						Grease
Neoprene		Neopreno						Neoprene
Paint		Pintura						Paint
Paper		Papel						Paper
Plastic		Plastico						Plastic
Power Crete		Power Crete						Power Crete
Primer		Primer						Primer
Rock Jacket		Rock Jacket						Rock Jacket
Rubber (Vulcanized)		Goma (Vulcanizada)						Rubber (Vulcanized)
Shorted Casing		EncamisadoEnCorto						Shorted Casing
Tapecoat		Cinta						Tapecoat
Tar (Cold)		Alquitran (frio)						Tar (Cold)
Wax		Cera						Wax
Wrap		Manta						Wrap
CoatingLocation	RevestimientoUbicacion	fcCoatingLocation	coded values	The location of the coating (e.g., internal/external)	Text	50	Coating	fcCoatingLocation
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Internal		Interno						Internal
External		Externo						External
MechanicalProtection	ProteccionMecanica	raMechanicalProtection	coded values	The type of additional mechanical protection (e.g., concrete, pavement, etc.).	Text	50	Coating	fcCoatingLocation
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown



Absent		Absent						Absent
1" Concrete Coated		1" Concrete Coated						1" Concrete Coated
2" Concrete Coated		2" Concrete Coated						2" Concrete Coated
Pavement Cover		Cubierta de Pavimento						Pavement Cover
Pavement Cover (reinforced)		Cubierta de Pavimento (reforsado)						Pavement Cover (reinforced)
PipeSegment	Segmento	Facilities		The PipeSegment feature class is used to model the primary conduit of pressurized product flow of a pipeline system: pipes. The typical length of pipe used in transmission pipelines is 40 feet. Pipe segment features aggregate many of these pipes into a single feature with common attribute values. Traditionally it is common implementation practice to not explicitly represent pipe or the joints in between individual pipe. Rather, pipes were aggregated into larger pipe segment features where all attribute values between the pipes were equal. Where the attribute values changed from pipe segment to pipe segment, a pipe join feature was placed. Pipes represent straight pipe features. A bend is a field fabrication where a pipe is bent over a distance to force the pipeline to turn. A transition pipe segment represents where the diameter of the pipe changes over a specified distance. When a pipe segment feature is altered, removed, or abandoned, then a cascade of data maintenance must occur to maintain concurrency between the pipe segment feature and the dependent features.	Line			
Remarks	Comentarios			Open field used for comments, remarks, or notes about the object.	Text	255	PipeSegment	
InstallationDate	FechaDeInstalacion			The date a piece of equipment is installed.	Date/Time	8	PipeSegment	
InServiceDate	FechaEnServicio			InstallationDate is important for risk analysis. Represents the date a piece of equipment is actually put in service and is used primarily for accounting purposes. Note that the InServiceDate date may be later than the installation date.	Date/Time	8	PipeSegment	
BeginStation	ProgresivaInicio			The station value for the beginning of an Online Polyline feature, or the station value of an Online Point feature.	Double	8	PipeSegment	
EndStation	ProgresivaFinal			The station value for the end of an Online Polyline feature. For Online Point features, the value for this attribute is the same as that for BeginStation.	Double	8	PipeSegment	
BendRadius	RadioCurvatura	gnRadius	range	The radius from a centerpoint to the ends of the pipe segment.	Double	8	PipeSegment	gnRadius
Minimum value	ValorMinimo		0					0
Maximum value	ValorMaximo		360					360
DateManufactured	FechaDeFabricacion			The date the fitting or facility was manufactured.	Date/Time	8	PipeSegment	
GirthWeld	TipoSoldadura	fcWeldType	coded values	The type of weld used to link the pipes that form the pipe segment	Text	50	PipeSegment	fcWeldType
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Acetylene Weld		Acetylene Weld						Acetylene Weld
Automatic Electric Weld		Automatic Electric Weld						Automatic Electric Weld
Butt Weld		Butt Weld						Butt Weld
Dresser Coupled - Acetylene Weld		Dresser Coupled - Acetylene Weld						Dresser Coupled - Acetylene Weld
Fillet Weld		Fillet Weld						Fillet Weld
Manual Arc Weld		Manual Arc Weld						Manual Arc Weld
Manual Electric Weld		Manual Electric Weld						Manual Electric Weld
Pressure Weld		Pressure Weld						Pressure Weld
SEW w/ Dresser Coupled Joint		SEW w/ Dresser Coupled Joint						SEW w/ Dresser Coupled Joint
Solid Electric Weld		Solid Electric Weld						Solid Electric Weld
Threaded Mechanical Coupling		Threaded Mechanical Coupling						Threaded Mechanical Coupling
GradeLabel	GradoAcero	fcGradeLabel	coded values	Grade refers to the chemical composition of the steel used to manufacture the pipe. Grade A (less carbon) has lower strength, but higher ductility; Grade B (more carbon) is higher strength, but less ductile.	Text	50	PipeSegment	fcGradeLabel
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
SMYS Grade A		SMYS Grade A						SMYS Grade A
SMYS Grade B		SMYS Grade B						SMYS Grade B
SMYS 24 ksi		SMYS 24 ksi						SMYS 24 ksi
SMYS 25 ksi		SMYS 25 ksi						SMYS 25 ksi
SMYS 30 ksi		SMYS 30 ksi						SMYS 30 ksi
SMYS 35 ksi		SMYS 35 ksi						SMYS 35 ksi
SMYS 40 ksi		SMYS 40 ksi						SMYS 40 ksi
SMYS 41 ksi		SMYS 41 ksi						SMYS 41 ksi
SMYS 42 ksi		SMYS 42 ksi						SMYS 42 ksi
SMYS 44 ksi		SMYS 44 ksi						SMYS 44 ksi
SMYS 45 ksi		SMYS 45 ksi						SMYS 45 ksi
SMYS 46 ksi		SMYS 46 ksi						SMYS 46 ksi
SMYS 48 ksi		SMYS 48 ksi						SMYS 48 ksi
SMYS 52 ksi		SMYS 52 ksi						SMYS 52 ksi
SMYS 56 ksi		SMYS 56 ksi						SMYS 56 ksi
SMYS 60 ksi		SMYS 60 ksi						SMYS 60 ksi
SMYS 62 ksi		SMYS 62 ksi						SMYS 62 ksi
SMYS 65 ksi		SMYS 65 ksi						SMYS 65 ksi
SMYS 70 ksi		SMYS 70 ksi						SMYS 70 ksi
SMYS 80 ksi		SMYS 80 ksi						SMYS 80 ksi

SMYS 90 ksi InletWallThickness	EspesorDeParedDeEntrada	SMYS 90 ksi fcWallThicknessValue	range	(required APDM domain) – The inlet wall thickness of the pipe segment. The fcWallThickness domain is considered a 'core' APDM domain and must be implemented verbatim.	Double	8	PipeSegment	SMYS 90 ksi fcWallThicknessValue
Minimum value	Minimum value	0						Unknown
Maximum value	Maximum value	1,5						Unknown (Verified)
LongitudinalSeam	CosturaLongitudinal	fcLongitudinalWeld	coded values	The type of weld used along the length of the pipes that form the pipe segment.	Text	50	PipeSegment	fcLongitudinalWeld
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Continuous Butt Weld		Continuous Butt Weld						Continuous Butt Weld
Double Submerged Arc Weld		Double Submerged Arc Weld						Double Submerged Arc Weld
Electric Fusion Weld		Electric Fusion Weld						Electric Fusion Weld
Electric Weld		Electric Weld						Electric Weld
Electric Resistance Weld		Electric Resistance Weld						Electric Resistance Weld
Electric Resistance Weld - High Frequency		Electric Resistance Weld - High Frequency						Electric Resistance Weld - High Frequency
Electric Resistance Weld - Low Frequency		Electric Resistance Weld - Low Frequency						Electric Resistance Weld - Low Frequency
Flash Butt Weld		Flash Butt Weld						Flash Butt Weld
Lap Weld		Lap Weld						Lap Weld
Magnetic Arc Weld		Magnetic Arc Weld						Magnetic Arc Weld
Seamless Weld		Seamless Weld						Seamless Weld
Single Submerged Arc Weld		Single Submerged Arc Weld						Single Submerged Arc Weld
Submerged Arc Weld		Submerged Arc Weld						Submerged Arc Weld
Spiral Weld		Spiral Weld						Spiral Weld
LongitudinalSeamOrientation	CosturaLongitudinalOrientacion	gnOrientation	range	The location of the seam on the pipe (zero degrees is up).	Double	8	PipeSegment	gnOrientation
Minimum value	ValorMinimo	0						0
Maximum value	ValorMaximo	12						12
Manufacturer	Fabricante	fcPipeManufacturer	coded values	The manufacturer of the pipes that form the pipe segment.	Text	50	PipeSegment	fcPipeManufacturer
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
ACME-Newport Steel		ACME-Newport Steel						ACME-Newport Steel
American Steel Pipe (ACIPCO)		American Steel Pipe (ACIPCO)						American Steel Pipe (ACIPCO)
Bethlehem Steel		Bethlehem Steel						Bethlehem Steel
Ipsco		Ipsco						Ipsco
Kawasaki Steel		Kawasaki Steel						Kawasaki Steel
Newport Steel		Newport Steel						Newport Steel
Nippon		Nippon						Nippon
Stelco		Stelco						Stelco
Stupp		Stupp						Stupp
U.S. Steel		U.S. Steel						U.S. Steel
M. Royo S.A. C I I F Y F		M. Royo S.A. C I I F Y F						M. Royo S.A. C I I F Y F
Huludan City Steel Pipe Industrial Co., Ltd.		Huludan City Steel Pipe Industrial Co., Ltd.						Huludan City Steel Pipe Industrial Co., Ltd.
Liaoning Northern Steel Pipe Co., Ltd.		Liaoning Northern Steel Pipe Co., Ltd.						Liaoning Northern Steel Pipe Co., Ltd.
Material	Material	fcMaterial	coded values	The material from which the fitting is made (e.g. PVC, steel).	Text	50	PipeSegment	fcMaterial
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Concrete		Concrete						Concrete
PVC		PVC						PVC
Steel		Steel						Steel
Fiberglass		Fibra de vidrio						Steel
MillLocation	LugarFabricacion	fcMillLocation	coded values	The location of the mill where the pipes that form the pipe segment were manufactured.	Text	50	PipeSegment	fcMillLocation
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Baton Rouge, LA		Baton Rouge, LA						Baton Rouge, LA
Birmingham, AL		Birmingham, AL						Birmingham, AL
Chiba, Japan		Chiba, Japan						Chiba, Japan
Cleveland, OH		Cleveland, OH						Cleveland, OH
Hagen/Westfalen, GER		Hagen/Westfalen, GER						Hagen/Westfalen, GER
Milwaukee, WI		Milwaukee, WI						Milwaukee, WI
Napa, CA		Napa, CA						Napa, CA
Orange, TX		Orange, TX						Orange, TX
Provo, UT		Provo, UT						Provo, UT
Steelton, PA		Steelton, PA						Steelton, PA
Taranto, Italy		Taranto, Italy						Taranto, Italy
Youngstown, OH		Youngstown, OH						Youngstown, OH
Argentina		Argentina						Argentina
China		China						China
MillTestPressure	PresionFabricacion			The recorded test pressure when the pipe was milled.	Text	50	PipeSegment	
OutsideDiameter	DiametroDeSalida	fcDiameter	coded values	(required APDM domain) – The diameter of the outer wall of the pipes that form the pipe segment. The fcDiameter domain is considered a 'core' APDM domain and must be implemented verbatim.	Text	50	PipeSegment	fcDiameter
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
1"		1"						1"
2"		2"						2"
3"		3"						3"
4"		4"						4"
6"		6"						6"
8"		8"						8"
10"		10"						10"
12"		12"						12"
14"		14"						14"

16"		16"						16"
18"		18"						18"
20"		20"						20"
22"		22"						22"
24"		24"						24"
30"		30"						30"
32"		32"						32"
36"		36"						36"
OutletWallThickness	EspesorDeParedDeSalida	fcWallThicknessValue	range	(required APDM domain) – The outlet wall thickness of the pipe segment. The fcWallThickness domain is considered a 'core' APDM domain and must be implemented verbatim.	Double	8	PipeSegment	fcWallThicknessValue
Minimum value	Minimum value	0						Unknown
Maximum value	Maximum value	1.5						Unknown (Verified)
PreTested	PreTestado	gnYesNo	coded values	(required APDM domain) – Indicates if the pipe was pretested before it was installed. The gnYesNo domain is considered a 'core' APDM domain and must be implemented verbatim.	Text	50	PipeSegment	gnYesNo
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Yes		Yes						Yes
No		No						No
PressureRating	RangoDePresion	fcPressureRating	coded values	(required APDM domain) – The pressure rating of the structure. The fcPressureRating domain is considered a 'core' APDM domain and must be implemented verbatim.	Text	50	PipeSegment	fcPressureRating
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
API WOG 150 PSI		API WOG 150 PSI						API WOG 150 PSI
API WOG 275 PSI		API WOG 275 PSI						API WOG 275 PSI
API WOG 300 PSI		API WOG 300 PSI						API WOG 300 PSI
API WOG 400 PSI		API WOG 400 PSI						API WOG 400 PSI
API WOG 500 PSI		API WOG 500 PSI						API WOG 500 PSI
API WOG 600 PSI		API WOG 600 PSI						API WOG 600 PSI
API WOG 700 PSI		API WOG 700 PSI						API WOG 700 PSI
API WOG 720 PSI		API WOG 720 PSI						API WOG 720 PSI
API WOG 800 PSI		API WOG 800 PSI						API WOG 800 PSI
API WOG 850 PSI		API WOG 850 PSI						API WOG 850 PSI
API WOG 900 PSI		API WOG 900 PSI						API WOG 900 PSI
API WOG 950 PSI		API WOG 950 PSI						API WOG 950 PSI
API WOG 960 PSI		API WOG 960 PSI						API WOG 960 PSI
API WOG 980 PSI		API WOG 980 PSI						API WOG 980 PSI
API WOG 1000 PSI		API WOG 1000 PSI						API WOG 1000 PSI
API WOG 1500 PSI		API WOG 1500 PSI						API WOG 1500 PSI
API WOG 2000 PSI		API WOG 2000 PSI						API WOG 2000 PSI
API WOG 3000 PSI		API WOG 3000 PSI						API WOG 3000 PSI
API WOG 5000 PSI		API WOG 5000 PSI						API WOG 5000 PSI
API WOG 10000 PSI		API WOG 10000 PSI						API WOG 10000 PSI
API WOG 15000 PSI		API WOG 15000 PSI						API WOG 15000 PSI
API WOG 20000 PSI		API WOG 20000 PSI						API WOG 20000 PSI
SegmentLength	LargoDeSegmento			The assigned/recorded length of the pipe segment.	Double	8	PipeSegment	
Specification	Especificacion	fcSpecificationPipe	coded values	The specification the pipe segment was manufactured to. The API, ANSI, ASTM and other organizations all publish pipe specifications. Specification include characteristics like ovality, wall thickness variation, test requirements, strength, etc (e.g., ANSI, API 5).	Text	50	PipeSegment	fcSpecificationPipe
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
ANSI B16.11		ANSI B16.11						ANSI B16.11
API 5L PSL2		API 5L PSL2						API 5L PSL2
ASME B16.49		ASME B16.49						ASME B16.49
ASME B16.9		ASME B16.9						ASME B16.9
ASME B31.8		ASME B31.8						ASME B31.8
ASTM A106		ASTM A106						ASTM A106
ASTM A106 PSL1		ASTM A106 PSL1						ASTM A106 PSL1
ASTM A106 PSL2		ASTM A106 PSL2						ASTM A106 PSL2
ASTM A234		ASTM A234						ASTM A234
SegmentType	TipoDeSegmento	fcPipeSegmentType	coded values	The subtype field.	Text	50	PipeSegment	fcPipeSegmentType
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Bend		Bend						Bend
Elbow Assembly		Elbow Assembly						Elbow Assembly
Meter Assembly		Meter Assembly						Meter Assembly
Pipe Segment		Pipe Segment						Pipe Segment
Tap Assembly		Tap Assembly						Tap Assembly
Tee Assembly		Tee Assembly						Tee Assembly
Transition		Transition						Transition
Valve Assembly		Valve Assembly						Valve Assembly
Suelo	Suelo		El supervisor catastra las características del tipo de suelo en el DDV del ducto.	Line				
TipoDeSuelo		gnTipoSuelo	coded values	Tipo de suelo	Text	50		
Desconocido (Verificado)		Desconocido (Verificado)						Unknown (Verified)
Desconocido		Desconocido						Unknown
Arenoso		Arenoso						Arenoso
Arcilloso		Arcilloso						Arcilloso
Rocoso		Rocoso						Rocoso

Pedregoso Limoso		Pedregoso Limoso						Pedregoso Limoso
Comentarios				El supervisor ingresa sus comentarios.	Text	255		
Appurtenance	Accesorio	Facilities		The Appurtenance feature class is used to store ad hoc, non-pressurized point features that are found on and along a pipeline system. The Appurtenance feature class can be used as a catchall for referenced online point features that do not fit into any other APDM feature class and for which a minimum common set of attributes must be recorded. Typical appurtenances include anchor rods, hold-down blocks, river weights, and thrust blocks.	Point			
Remarks	Comentarios			Open field used for comments, remarks, or notes about the object.	Text	255	Appurtenance	
InstallationDate	FechaDeInstalacion			The date a piece of equipment is installed. InstallationDate is important for risk analysis.	Date/Time	8	Appurtenance	
InServiceDate	FechaEnServicio			Represents the date a piece of equipment is actually put in service and is used primarily for accounting purposes. Note that the InServiceDate date may be later than the installation date.	Date/Time	8	Appurtenance	
Station	Progresiva			A station value (i.e. measure) along a station series used to position and locate the point feature.	Double	8	Appurtenance	
AppurtenanceType	TipoDeAccesorio	fcAppurtenanceType	coded values	The appurtenance type (e.g., anchor rod, river weight).	Text	50	Appurtenance	fcAppurtenanceType
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Anchor Rod		Anchor Rod						Anchor Rod
Hold Down Blocks		Hold Down Blocks						Hold Down Blocks
River Weight		River Weight						River Weight
Rock Shield		Rock Shield						Rock Shield
Thrust Blocks		Thrust Blocks						Thrust Blocks
Soporte de hormigon		Soporte de hormigon						River Weight
Soporte metalico tipo Y		Soporte metalico tipo Y						
Soporte metalico tipo H		Soporte metalico tipo H						
Torre de puente		Torre de puente						
PigStructure	BarilDeTrampa	Facilities		The PigStructure feature class models launcher and receiver facilities used to launch and receive inline inspection PIGs. Inline inspection PIGs are used to detect	Point			
Remarks	Comentarios			Open field used for comments, remarks, or notes about the object.	Text	255	PigStructure	
InstallationDate	FechaDeInstalacion			The date a piece of equipment is installed. InstallationDate is important for risk analysis.	Date/Time	8	PigStructure	
InServiceDate	FechaEnServicio			Represents the date a piece of equipment is actually put in service and is used primarily for accounting purposes. Note that the InServiceDate date may be later than the installation date.	Date/Time	8	PigStructure	
DateManufactured	FechaDeFabricacion			The date the fitting or facility was manufactured.	Date/Time	8	PigStructure	
BarrelDiameter	DiametroDelBarril	fcDiameter	coded values	The diameter of the Pig Structure Barrel	Text	50	PigStructure	fcDiameter
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
1"		1"						1"
2"		2"						2"
3"		3"						3"
4"		4"						4"
6"		6"						6"
8"		8"						8"
10"		10"						10"
12"		12"						12"
14"		14"						14"
16"		16"						16"
18"		18"						18"
20"		20"						20"
22"		22"						22"
24"		24"						24"
26"								
28"								
30"		30"						30"
32"		32"						
36"		36"						36"
BarrelGradeLabel	GradoDelBarril	fcGradeLabel	coded values	Grade refers to the chemical composition of the steel used to manufacture the pipe. Grade A (less carbon) has lower strength, but higher ductility; Grade B (more carbon) is higher strength, but less ductile.	Text	50	PigStructure	fcGradeLabel
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
SMYS Grade A		SMYS Grade A						SMYS Grade A
SMYS Grade B		SMYS Grade B						SMYS Grade B
SMYS 24 ksi		SMYS 24 ksi						SMYS 24 ksi
SMYS 25 ksi		SMYS 25 ksi						SMYS 25 ksi
SMYS 30 ksi		SMYS 30 ksi						SMYS 30 ksi
SMYS 35 ksi		SMYS 35 ksi						SMYS 35 ksi
SMYS 40 ksi		SMYS 40 ksi						SMYS 40 ksi
SMYS 41 ksi		SMYS 41 ksi						SMYS 41 ksi
SMYS 42 ksi		SMYS 42 ksi						SMYS 42 ksi
SMYS 44 ksi		SMYS 44 ksi						SMYS 44 ksi
SMYS 45 ksi		SMYS 45 ksi						SMYS 45 ksi

SMYS 46 ksi		SMYS 46 ksi						SMYS 46 ksi
SMYS 48 ksi		SMYS 48 ksi						SMYS 48 ksi
SMYS 52 ksi		SMYS 52 ksi						SMYS 52 ksi
SMYS 56 ksi		SMYS 56 ksi						SMYS 56 ksi
SMYS 60 ksi		SMYS 60 ksi						SMYS 60 ksi
SMYS 62 ksi		SMYS 62 ksi						SMYS 62 ksi
SMYS 65 ksi		SMYS 65 ksi						SMYS 65 ksi
SMYS 70 ksi		SMYS 70 ksi						SMYS 70 ksi
SMYS 80 ksi		SMYS 80 ksi						SMYS 80 ksi
SMYS 90 ksi		SMYS 90 ksi						SMYS 90 ksi
BarrelWallThickness	EspesorDeParedDeBarril	fcWallThicknessValue	range	The wall thickness around the inlet opening.	Double		8	PigStructure
Minimum value	Minimum value		0					Unknown
Maximum value	Maximum value		1.5					Unknown (Verified)
Manufacturer	Fabricante	fcFittingManufacturer	coded values	The manufacturer of the fitting.	Text		50	PigStructure
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
ACME-Newport Steel Co.		ACME-Newport Steel Co.						ACME-Newport Steel Co.
American Steel Pipe		American Steel Pipe						American Steel Pipe
Bethlehem Steel Co.		Bethlehem Steel Co.						Bethlehem Steel Co.
Ipsco Steel (Canada)		Ipsco Steel (Canada)						Ipsco Steel (Canada)
Mueller		Mueller						Mueller
Newport Steel		Newport Steel						Newport Steel
Pittsburgh Steel Co.		Pittsburgh Steel Co.						Pittsburgh Steel Co.
Stelco		Stelco						Stelco
Taylor Forge Pipe Works		Taylor Forge Pipe Works						Taylor Forge Pipe Works
US Steel		US Steel						US Steel
Material	Material	fcMaterial	coded values	The material from which the fitting is made (e.g. PVC, steel).	Text		50	PigStructure
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Concrete		Concrete						Concrete
PVC		PVC						PVC
Steel		Steel						Steel
MillLocation	LugarFabricacion	fcMillLocation	coded values	The location of the mill where the pipes that form the pipe segment were manufactured.	Text		50	PigStructure
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Baton Rouge, LA		Baton Rouge, LA						Baton Rouge, LA
Birmingham, AL		Birmingham, AL						Birmingham, AL
Chiba, Japan		Chiba, Japan						Chiba, Japan
Cleveland, OH		Cleveland, OH						Cleveland, OH
Hagen/Westfalen, GER		Hagen/Westfalen, GER						Hagen/Westfalen, GER
Milwaukee, WI		Milwaukee, WI						Milwaukee, WI
Napa, CA		Napa, CA						Napa, CA
Orange, TX		Orange, TX						Orange, TX
Provo, UT		Provo, UT						Provo, UT
Steelton, PA		Steelton, PA						Steelton, PA
Taranto, Italy		Taranto, Italy						Taranto, Italy
Youngstown, OH		Youngstown, OH						Youngstown, OH
PressureRating	RangoDePresion	fcPressureRating	coded values	(required APDM domain) – The pressure rating of the structure. The fcPressureRating domain is considered a 'core' APDM domain and must be implemented verbatim.	Text		50	PigStructure
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
API WOG 150 PSI		API WOG 150 PSI						API WOG 150 PSI
API WOG 275 PSI		API WOG 275 PSI						API WOG 275 PSI
API WOG 300 PSI		API WOG 300 PSI						API WOG 300 PSI
API WOG 400 PSI		API WOG 400 PSI						API WOG 400 PSI
API WOG 500 PSI		API WOG 500 PSI						API WOG 500 PSI
API WOG 600 PSI		API WOG 600 PSI						API WOG 600 PSI
API WOG 700 PSI		API WOG 700 PSI						API WOG 700 PSI
API WOG 720 PSI		API WOG 720 PSI						API WOG 720 PSI
API WOG 800 PSI		API WOG 800 PSI						API WOG 800 PSI
API WOG 850 PSI		API WOG 850 PSI						API WOG 850 PSI
API WOG 900 PSI		API WOG 900 PSI						API WOG 900 PSI
API WOG 950 PSI		API WOG 950 PSI						API WOG 950 PSI
API WOG 960 PSI		API WOG 960 PSI						API WOG 960 PSI
API WOG 980 PSI		API WOG 980 PSI						API WOG 980 PSI
API WOG 1000 PSI		API WOG 1000 PSI						API WOG 1000 PSI
API WOG 1500 PSI		API WOG 1500 PSI						API WOG 1500 PSI
API WOG 2000 PSI		API WOG 2000 PSI						API WOG 2000 PSI
API WOG 3000 PSI		API WOG 3000 PSI						API WOG 3000 PSI
API WOG 5000 PSI		API WOG 5000 PSI						API WOG 5000 PSI
API WOG 10000 PSI		API WOG 10000 PSI						API WOG 10000 PSI
API WOG 15000 PSI		API WOG 15000 PSI						API WOG 15000 PSI
API WOG 20000 PSI		API WOG 20000 PSI						API WOG 20000 PSI
StructureLength	LongitudDeBarril			The actual length of the structure	Double		8	PigStructure
StructureType	TipoDeBarril				Long Integer		4	PigStructure
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Launcher		Lanzadora						Launcher
Receiver		Receptora						Receiver
Multi-Function		Multi-Function						Multi-Function
Elbow	Codo	Facilities		The Elbow feature class describes manufactured elbow fittings. An elbow feature typically represents a bend in the pipeline at a specific angle. An elbow is typically manufactured in angle increments of 15 degrees. Elbow features are designed to carry pressurized product.	Point			

Remarks	Comentarios			Open field used for comments, remarks, or notes about the object.	Text	255	Elbow	
InstallationDate	FechaDeInstalacion			The date a piece of equipment is installed.	Date/Time	8	Elbow	
InServiceDate	FechaEnServicio			InstallationDate is important for risk analysis. Represents the date a piece of equipment is actually put in service and is used primarily for accounting purposes. Note that the InServiceDate date may be later than the installation date.	Date/Time	8	Elbow	
Station	Progresiva			A station value (i.e. measure) along a station series used to position and locate the point feature.	Double	8	Elbow	
DateManufactured	FechaDeFabricacion			The date the fitting or facility was manufactured.	Date/Time	8	Elbow	
GradeLabel	Grado	fcGradeLabel	coded values	Grade refers to the chemical composition of the steel used to manufacture the pipe. Grade A (less carbon) has lower strength, but higher ductility; Grade B (more carbon) is higher strength, but less ductile.	Text	50	Elbow	fcGradeLabel
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
SMYS Grade A		SMYS Grade A						SMYS Grade A
SMYS Grade B		SMYS Grade B						SMYS Grade B
SMYS 24 ksi		SMYS 24 ksi						SMYS 24 ksi
SMYS 25 ksi		SMYS 25 ksi						SMYS 25 ksi
SMYS 30 ksi		SMYS 30 ksi						SMYS 30 ksi
SMYS 35 ksi		SMYS 35 ksi						SMYS 35 ksi
SMYS 40 ksi		SMYS 40 ksi						SMYS 40 ksi
SMYS 41 ksi		SMYS 41 ksi						SMYS 41 ksi
SMYS 42 ksi		SMYS 42 ksi						SMYS 42 ksi
SMYS 44 ksi		SMYS 44 ksi						SMYS 44 ksi
SMYS 45 ksi		SMYS 45 ksi						SMYS 45 ksi
SMYS 46 ksi		SMYS 46 ksi						SMYS 46 ksi
SMYS 48 ksi		SMYS 48 ksi						SMYS 48 ksi
SMYS 52 ksi		SMYS 52 ksi						SMYS 52 ksi
SMYS 56 ksi		SMYS 56 ksi						SMYS 56 ksi
SMYS 60 ksi		SMYS 60 ksi						SMYS 60 ksi
SMYS 62 ksi		SMYS 62 ksi						SMYS 62 ksi
SMYS 65 ksi		SMYS 65 ksi						SMYS 65 ksi
SMYS 70 ksi		SMYS 70 ksi						SMYS 70 ksi
SMYS 80 ksi		SMYS 80 ksi						SMYS 80 ksi
SMYS 90 ksi		SMYS 90 ksi						SMYS 90 ksi
InletConnectionType	TipoDeConexionEntrada	fcConnectionType	coded values	The inlet connection type (e.g. weld, thread).	Text	50	Elbow	fcConnectionType
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Composite Fabrication		Composite Fabrication						Composite Fabrication
Coupling		Coupling						Coupling
Cylinder Coupling		Cylinder Coupling						Cylinder Coupling
Flanged End		Flanged End						Flanged End
Plain End		Plain End						Plain End
Ring Type Joint End		Ring Type Joint End						Ring Type Joint End
Screwed End		Screwed End						Screwed End
Socket Weld		Socket Weld						Socket Weld
Welded End		Welded End						Welded End
InletDiameter	DiametroDeEntrada	fcDiameter	coded values	The diameter of the inlet opening.	Text	50	Elbow	fcDiameter
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
1"		1"						1"
2"		2"						2"
3"		3"						3"
4"		4"						4"
6"		6"						6"
8"		8"						8"
10"		10"						10"
12"		12"						12"
14"		14"						14"
16"		16"						16"
18"		18"						18"
20"		20"						20"
22"		22"						22"
24"		24"						24"
30"		30"						30"
32"		32"						30"
36"		36"						36"
InletWallThickness	EspesorDeParedDeEntrada	fcWallThicknessValue	range	The wall thickness around the inlet opening.	Double	8	Elbow	fcWallThicknessValue
Minimum value	Minimum value		0					Unknown
Maximum value	Maximum value		1,5					Unknown (Verified)
Manufacturer	Fabricante	fcFittingManufacturer	coded values	The manufacturer of the fitting.	Text	50	Elbow	fcFittingManufacturer
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
ACME-Newport Steel Co.		ACME-Newport Steel Co.						ACME-Newport Steel Co.
American Steel Pipe		American Steel Pipe						American Steel Pipe
Bethlehem Steel Co.		Bethlehem Steel Co.						Bethlehem Steel Co.
Ipsco Steel (Canada)		Ipsco Steel (Canada)						Ipsco Steel (Canada)
Mueller		Mueller						Mueller
Newport Steel		Newport Steel						Newport Steel
Pittsburgh Steel Co.		Pittsburgh Steel Co.						Pittsburgh Steel Co.
Stelco		Stelco						Stelco
Taylor Forge Pipe Works		Taylor Forge Pipe Works						Taylor Forge Pipe Works
US Steel		US Steel						US Steel
Material	Material	fcMaterial	coded values	The material from which the fitting is made (e.g. PVC, steel).	Text	50	Elbow	fcMaterial
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown

Concrete		Concrete						Concrete
PVC		PVC						PVC
Steel		Steel						Steel
PressureRating	RangoDePresion	fcPressureRating	coded values	(required APDM domain) – The pressure rating of the structure. The fcPressureRating domain is considered a 'core' APDM domain and must be implemented verbatim.	Text	50	Elbow	fcPressureRating
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
API WOG 150 PSI		API WOG 150 PSI						API WOG 150 PSI
API WOG 275 PSI		API WOG 275 PSI						API WOG 275 PSI
API WOG 300 PSI		API WOG 300 PSI						API WOG 300 PSI
API WOG 400 PSI		API WOG 400 PSI						API WOG 400 PSI
API WOG 500 PSI		API WOG 500 PSI						API WOG 500 PSI
API WOG 600 PSI		API WOG 600 PSI						API WOG 600 PSI
API WOG 700 PSI		API WOG 700 PSI						API WOG 700 PSI
API WOG 720 PSI		API WOG 720 PSI						API WOG 720 PSI
API WOG 800 PSI		API WOG 800 PSI						API WOG 800 PSI
API WOG 850 PSI		API WOG 850 PSI						API WOG 850 PSI
API WOG 900 PSI		API WOG 900 PSI						API WOG 900 PSI
API WOG 950 PSI		API WOG 950 PSI						API WOG 950 PSI
API WOG 960 PSI		API WOG 960 PSI						API WOG 960 PSI
API WOG 980 PSI		API WOG 980 PSI						API WOG 980 PSI
API WOG 1000 PSI		API WOG 1000 PSI						API WOG 1000 PSI
API WOG 1500 PSI		API WOG 1500 PSI						API WOG 1500 PSI
API WOG 2000 PSI		API WOG 2000 PSI						API WOG 2000 PSI
API WOG 3000 PSI		API WOG 3000 PSI						API WOG 3000 PSI
API WOG 5000 PSI		API WOG 5000 PSI						API WOG 5000 PSI
API WOG 10000 PSI		API WOG 10000 PSI						API WOG 10000 PSI
API WOG 15000 PSI		API WOG 15000 PSI						API WOG 15000 PSI
API WOG 20000 PSI		API WOG 20000 PSI						API WOG 20000 PSI
Specification	Especificacion	fcSpecificationElbow	coded values	The machine specification of the fitting (e.g. ANSI, API 5).	Text	50	Elbow	fcSpecificationElbow
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
ANSI		ANSI						ANSI
API 5		API 5						API 5
API 5LX		API 5LX						API 5LX
API 6A		API 6A						API 6A
ASME B16.20		ASME B16.20						ASME B16.20
ASTM A105		ASTM A105						ASTM A105
AWWA C207-55		AWWA C207-55						AWWA C207-55
DOT 195		DOT 195						DOT 195
Grade A		Grade A						Grade A
Grade B		Grade B						Grade B
MSS SP 42		MSS SP 42						MSS SP 42
NACE RP-0172		NACE RP-0172						NACE RP-0172
OSHA		OSHA						OSHA
SSPC		SSPC						SSPC
ElbowAngle	AnguloDelCodo	gnAngle	range	(required APDM domain) – The angle the elbow bends the pipeline (e.g., 30°, 45°). The gnAngle domain is considered a 'core' APDM domain and must be implemented verbatim.	Double	8	Elbow	gnAngle
Minimum value	ValorMinimo		0					0
Maximum value	ValorMaximo		360					360
ElbowRadius	RadioDelCodo	gnRadius	range	The radius of the elbow from one endpoint of the elbow to the other endpoint.	Double	8	Elbow	gnRadius
Minimum value	ValorMinimo		0					0
Maximum value	ValorMaximo		360					360
StructureOrIDSite	Construccion	Encroachments		The NearestPointToLine feature class contains the location of the nearest point on a structure to a line. The relationship between NearestPointToLine and the StructureOrIDSite Object Class or the StructureOutline feature class models that there may be one or more NearestPointToLine features for a StructureOrIDSite or StructureOutline. The relationship between NearestPointToLine and the StructureLocation feature class models that NearestPointToLine may have one or more StructureOnlineLocation features. The relationship between NearestPointToLine and StructureOutline indicates that the structure can exist as either or both an offline point and/or offline polygon.	Point			
Remarks	Comentarios			Open field used for comments, remarks, or notes about the object.	Text	255	StructureOrIDSite	
BIHO	Vivienda	gnYesNo	coded values	(required APDM domain) – Indicates if the building is intended for human occupancy. The gnYesNo domain is considered a 'core' APDM domain and must be implemented verbatim.	Text	50	StructureOrIDSite	gnYesNo
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Yes		Yes						Yes
No		No						No
DaysPerWeek	DiasPorSemana	enDaysPerWeek	range	The number of days per week the structure is occupied.	Long Integer	4	StructureOrIDSite	enDaysPerWeek
Minimum value	ValorMinimo		0					0
Maximum value	ValorMaximo		7					7
ImpairedMobility	MovilidadRestringida	gnYesNo	coded values	(required APDM domain) – Indicates if a structure or area would be difficult to evacuate, e.g. hospital, prison, or nursing home. The gnYesNo domain is considered a 'core' APDM domain and must be implemented verbatim.	Text	50	StructureOrIDSite	gnYesNo

Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Yes		Yes						Yes
No		No						No
FirstName	Nombre			The name of the structure or area, e.g. Rose Park Golf Course, Metro Hospital.	Text	100	Contact	
LastName	ApellidoPaterno			Apellido paterno del propietario	Text	100	Contact	
	ApellidoMaterno			Apellido materno del propietario	Text	100	Contact	
NumberOfStories	CantidadDePisos			The number of stories in a structure, e.g. 6 stories (floors) in a single apartment building. (Used for determining the DOTClass.)	Long Integer	4	StructureOrIDSite	
NumberOfUnits	CantidadDeUnidades			The number of residential units in a structure, e.g. sixteen units (apartments) in a single apartment building.	Long Integer	4	StructureOrIDSite	
OccupantCount	CantidadDeOccupantes			The number of permanent occupants of structure.	Long Integer	4	StructureOrIDSite	
StructureOrIDSiteType	TipoDeConstruccion	enStructureOrIDSiteType	coded values	A description of the structure type and primary usage based on the structure subtype.	Text	50	StructureOrIDSite	enStructureOrIDSiteType
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Apartment (Single Story)		Departamento (1 piso)						Apartment (Single Story)
Apartment (Multi-Story)		Edificio de departamentos						Apartment (Multi-Story)
Arena		Coliseo						Arena
Assembly Area		Centro comunal						Assembly Area
Assisted Living		Centro para discapacitados						Assisted Living
Barn		Granja o establo						Barn
Barracks		Barraca						Barracks
Beach		Playa o ribera						Beach
Business (Single)		Oficina (1 piso)						Business (Single)
Business (Multi-Story)		Edificio de oficinas						Business (Multi-Story)
Campground		Campo deportivo						Campground
Cemetery		Cementerio						Cemetery
Church		Iglesia						Church
Daycare Facility		Posta sanitaria						Daycare Facility
Fire Station		Estacion de bomberos						Fire Station
Garage		Taller mecanico						Garage
Golf Course		Campo de golf						Golf Course
Hospital		Hospital						Hospital
Hotel/Motel (Single-Story)		Hotel/Motel (1 piso)						Hotel/Motel (Single-Story)
Hotel/Motel (Multi-Story)		Hotel/Motel (Edificio)						Hotel/Motel (Multi-Story)
Industrial		Industria						Industrial
Manufacturing		Fabrica						Manufacturing
Nursing Home		Guarderia						Nursing Home
Outbuilding		Estructura externa						Outbuilding
Outdoor Theatre		Teatro al aire libre						Outdoor Theatre
Park		Parque						Park
Parking Lot		Estacionamiento						Parking Lot
Playground		Parque de diversion						Playground
Prison		Carcel						Prison
Recreational Area		Area de recreacion						Recreational Area
Recreational Facility		Centro de recreacion						Recreational Facility
Religious Facility		Centro de culto						Religious Facility
Residence (Condominium)		Residencia (condominio)						Residence (Condominium)
Residence (Duplex)		Residencia (duplex)						Residence (Duplex)
Residence (Single Family)		Residencia (unifamiliar)						Residence (Single Family)
Residence (Trailer)		Residencia (movil)						Residence (Trailer)
Residence (Multi-Unit Townhouse)		Residencia (multifamiliar)						Residence (Multi-Unit Townhouse)
Retirement Facility		Asilo de ancianos						Retirement Facility
School		Escuela						School
Shed		Cabaña						Shed
Stadium		Stadium						Stadium
Structure BIHO		Estructura para ocupación humana						Structure BIHO
Theme Park		Parque temático						Theme Park
Warehouse		Galpones						Warehouse
Airport Terminal		Terminal Aeroportuaria						Airport Terminal
Bus Terminal		Terminal de Omnibus						Bus Terminal
Railroad Terminal		Terminal de Ferrocarriles						Railroad Terminal
Markets		Mercados						Markets
StructureStatus	EstadoDeLaEstructura	enStructureStatus	coded values	Indicates how new the structure is (existing, new).	Text	50	StructureOrIDSite	enStructureStatus
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Existing		Existente						Existing
New		Nuevo						New
WeeksPerYear	SemanasPorAño	enWeeksPerYear	range	The number of weeks per year the structure is occupied.	Text	50	StructureOrIDSite	enWeeksPerYear
Minimum value	ValorMinimo	0						0
Maximum value	ValorMaximo	52						52
Street1				Direccion de referencia de la construccion	Text	100	Address	
City				Ciudad de referencia de la construccion	Text	100	Address	
County	Municipio				Text	100	Address	
StateProvince	Departamento			En oficina se calculan los datos referentes a la construccion de uso colectivo.	Text	100	Address	
	Fotografia				Text	100		



CPAnode	CPAnodo	Catholic Protection		The CPAnode feature class stores information about the anodes utilized in a pipeline cathodic protection system. Anodes receive electrical current and are sacrificed to reduce the probability of pipeline corrosion. The weight of the anode and the size of the pipeline are factors determining how anodes are placed and managed along a pipeline. The relationship between CPAnode and CPGroundBed models the fact that one or more anodes are located within a single ground bed. However, the CPGroundBed feature also maintains a NumberOfAnodes attribute that may be used in lieu of its association to CPAnode. The relationship between CPAnode and CPLocation shows that an anode may have one or more online locations.	Point			
AnodeMaterial	AnodoMaterial	cpAnodeMaterial	coded values	The anode material (e.g., Magnesium, Zinc, Graphite, Steel Pipe)	Text	50	CPAnode	cpAnodeMaterial
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Grafito		Grafito						Graphite
Hierro Fundido		Tubería de acero						Cast Iron
Tubería de acero		Riel de acero						Steel Pipe
Riel de acero		Canister						Steel Rail
Canister		Magnesium						Canister
Magnesium		Zinc						Magnesium
Zinc		Oxido de metal mixto						Zinc
Oxido de metal mixto								MMO
AnodeWeight	AnodoPeso	cpAnodeWeight	coded values	Peso del anodo	Text	50	CPAnode	cpAnodeWeight
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
	0.4		0.4					0.4
	0.75		0.75					0.75
	0.77		0.77					0.77
	1		1					1
	5		5					5
	7		7					7
	9		9					9
	17		17					17
	20		20					20
	28		28					28
	32		32					32
	44		44					44
	50		50					50
	66		66					66
	110		110					110
AnodeType	AnodoTipo	cpAnodeType	coded values	The type of anode used (e.g., Galvanic, Impressed Current)	Text	50	CPAnode	cpAnodeType
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Galvanico		Galvanico						Galvanic
Corriente Impresa		Corriente Impresa						Impressed Current
Remarks	Codigo _JDE			Codigo JDE	Text	255		
InstallationDate	Comentarios			El supervisor ingresa sus comentarios.	Text	255	CPAnode	
ReplaceByDate	FechaDeInstalacion			The date a piece of equipment is installed. InstallationDate is important for risk analysis.	Date/Time	8	CPAnode	
InServiceDate	FechaDeReemplazo			The date by which the rectifier must be replaced.	Date/Time	8	CPAnode	
	FechaEnServicio			Represents the date a piece of equipment is actually put in service and is used primarily for accounting purposes. Note that the InServiceDate date may be later than the installation date.	Date/Time	8	CPAnode	
	PosicionDelAnodo	cpAnodoPosicion	coded values		Text	50		Unknown (Verified)
Unknown (Verified)		Desconocido (Verificado)						Unknown
Unknown		Desconocido						Unknown
Horizontal		Horizontal						Horizontal
Vertical		Vertical						Vertical
BeginStation	Profundidad			en metros	Double	8		
	ProgresivaInicio			The station value for the beginning of an Online Polyline feature, or the station value of an Online Point feature.	Double	8		
CPCable	CPCable	Catholic Protection		El supervisor catastra las características de los cables que interconectan los rectificadores al ducto.	Line			
CableCoating	CableRevestimiento	cpCableCoating	coded values	The coating material used on the cable (e.g., HMWPE, plastic).	Text	50	CPCable	cpCableCoating
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
HMWPE		HMWPE						HMWPE
Otro		Otro						Other
CableSize	CableTamañoAWG	cpCableSize	coded values	The size of the cable (e.g., 4/0, 2/0, 1, 10).	Text	50	CPCable	cpCableSize
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
4/0		4/0						4/0
3/0		3/0						3/0
2/0		2/0						2/0
1/0		1/0						1/0
2		2						2
4		4						4
6		6						6

8		8						8
10		10						10
12		12						12
14		14						14
CableType	CableTipo	cpCableType	coded values	The type of cable (e.g., solid, stranded).	Text	50	CPCable	cpCableType
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Solido		Solido						Solid
ConHebras		ConHebras						Stranded
NumberOfCables	CantidadDeCables	cpCablesNumberOf	coded values	The number of cables in the CPCable feature (1-4).	Text	50	CPCable	cpCablesNumberOf
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
	1		1					1
	2		2					2
	3		3					3
	4		4					4
ColorCode	CodigoColor	cpCableColorCode	coded values	The color code value of the cable (e.g., red, black, green).	Text	50	CPCable	cpCableColorCode
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Rojo		Rojo						Red
Negro		Negro						Black
Verde		Verde						Green
Remarks	Codigo_JDE Comentarios			Codigo JDE del rectificador o del test point Open field used for comments, remarks, or notes about the object.	Text Text	255 255	CPCable	
InstallationDate	FechaDeInstalacion			The date a piece of equipment is installed. InstallationDate is important for risk analysis.	Date/Time	8	CPCable	
InServiceDate	FechaEnServicio			Represents the date a piece of equipment is actually put in service and is used primarily for accounting purposes. Note that the InServiceDate date may be later than the installation date.	Date/Time	8	CPCable	
CPGroundBed	CPLechoAnodico	Cathodic Protection		The CPGroundBed feature class is the location on or off the centerline where one or more anodes are placed. Anodes within a ground bed are used to reduce corrosion caused by the flow of direct current from one part of the metal pipeline to another. The relationships between CPGroundBed and CPAnode and between CPGroundBed and CPRectifier model the configuration that typically one CPRectifier feature has one or more CPGroundBeds, containing one or more CPAnodes. The CPGroundBed feature also maintains a NumberOfAnodes attribute that may be used in lieu of its association to CPAnode. The relationship between CPGroundBed and CPLocation shows that a ground bed may have one or more online locations.	Point			
BackfillMaterial	Backfill	cpBackfillMaterial	coded values	The ground material used to backfill the ground bed.	Text	50	CPGroundBed	cpBackfillMaterial
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Coke metalurgico		Coke metalurgico						Metallurgical Coke Breeze
Coke de petroleo		Coke de petroleo						Petroleum Coke Breeze
Bentonita		Bentonita						Bentonite
Ninguno		Ninguno						None
Remarks	Codigo_JDE Comentarios			Codigo JDE del rectificador Open field used for comments, remarks, or notes about the object.	Text Text	255 255	CPGroundBed	
AnodeSpacing	EspaciamientoAnodos	cpAnodeSpacing	range	The measured spacing between anode in the ground bed (m).	Long Integer	8	CPGroundBed	cpAnodeSpacing
Minimum value	ValorMinimo		0					0
Maximum value	ValorMaximo		50					50
InstallationDate	FechaDeInstalacion			The date a piece of equipment is installed. InstallationDate is important for risk analysis.	Date/Time	8	CPGroundBed	
ReplaceByDate	FechaDeReemplazo			The date by which the rectifier must be replaced.	Date/Time	8	CPGroundBed	
InServiceDate	FechaEnServicio			Represents the date a piece of equipment is actually put in service and is used primarily for accounting purposes. Note that the InServiceDate date may be later than the installation date.	Date/Time	8	CPGroundBed	
NumberOfAnodes	NumeroDeAnodos			The total number of anodes placed with the ground bed.	Long Integer	4	CPGroundBed	
BeginStation	ProgresivaInicio			The station value for the beginning of an Online Polyline feature, or the station value of an Online Point feature.	Double	8		
WaterSystem	SistemaDeHumectacion	gnYesNo	coded values	Indica si existe un sistema de agua en el lecho anodico	Text	50	CPGroundBed	gnYesNo
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Yes		Yes						Yes
No		No						No

CPBond	CPPuenteo	Catholic Protection		The CPMBond feature class stores information describing cathodic protection bonds that link one or more bond wires together. Bonds are often placed where nonmetallic fittings or valves join pipe segments together as a means of carrying over (or stopping) electric current from one set of pipes to another. The relationship between CPMBond and CPMLocation shows that a bond may have one or more online locations.	Point			
Remarks	Codigo_JDE Comentarios			Codigo_JDE del rectificador Open field used for comments, remarks, or notes about the object.	Text	255	CPBond	
InstallationDate	FechaDeInstalacion			The date a piece of equipment is installed. InstallationDate is important for risk analysis.	Date/Time	8	CPBond	
ReplaceByDate	FechaDeReemplazo			The date by which the rectifier must be replaced.	Date/Time	8	CPBond	
InServiceDate	FechaEnServicio			Represents the date a piece of equipment is actually put in service and is used primarily for accounting purposes. Note that the InServiceDate date may be later than the installation date.	Date/Time	8	CPBond	
BeginStation	ProgresivaInicio			The station value for the beginning of an Online Polyline feature, or the station value of an Online Point feature.	Double	8		
CriticalBond	PuenteoCritico	gnYesNo	coded values	(required APDM domain) – Indicates whether or not the bond is critical. The gnYesNo domain is considered a 'core' APDM domain and must be implemented verbatim.	Text	50	CPBond	gnYesNo
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Yes		Yes						Yes
No		No						No
BondType	PuenteoTipo	cpBondType	coded values	The type of bond used (e.g., interference, continuity)	Text	50	CPBond	cpBondType
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Interference - Company		Interferencia - Ducto YPFBTR						Interference - Company
Interference - Foreign		Interferencia - Ducto Terceros						Interference - Foreign
Continuity		Continuidad Electrica						Continuity
Continuity - Foreign		Continuidad Terceros						Continuity - Foreign
CPRectifier	CPRectificador	Catholic Protection		The CPMRectifier feature class stores information about a rectifier. A rectifier is a cathodic protection device that manages the power conversion from AC (alternating current) to DC (direct current) before it is passed on to a pipeline. A CPMRectifier feature can be used to provide connectivity between a rectifier and a pipe segment. The relationship between CPMRectifier and CPMGroundBed models that zero or more ground beds serve one rectifier. The relationship between CPMRectifier and CPMLocation shows that a rectifier may have one or more online locations.	Point			
Unknown (Verified)	CajaConexionesNegativos	gnYesNo	coded values	Indica si existe caja de conexiones	Text	50		gnYesNo
Unknown		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Yes		Yes						Yes
No		No						No
Unknown (Verified)	CajaConexionesPositivos	gnYesNo	coded values	Indica si existe caja de conexiones	Text	50		gnYesNo
Unknown		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Yes		Yes						Yes
No		No						No
Remarks	Codigo_JDE CodigoFijoMedidor Comentarios			Codigo_JDE del rectificador El supervisor ingresa sus comentarios.	Text	255		
InstallationDate	FechaDeInstalacion			The date a piece of equipment is installed. InstallationDate is important for risk analysis.	Date/Time	8	CPRectifier	
ReplaceByDate	FechaDeReemplazo			The date by which the rectifier must be replaced.	Date/Time	8	CPRectifier	
InServiceDate	FechaEnServicio			Represents the date a piece of equipment is actually put in service and is used primarily for accounting purposes. Note that the InServiceDate date may be later than the installation date.	Date/Time	8	CPRectifier	
NumberOfNegatives	NumeroCircuitosNegativos	cpRectifierNegatives	coded values	The number of negatives on the rectifier (1–4).	Text	50	CPRectifier	cpRectifierNegatives
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
1			1					1
2			2					2
3			3					3
4			4					4
Unknown (Verified)	NumeroCircuitosPositivos	cpRectifierPositives	coded values	Cantidad de circuitos positivos	Text	50		
Unknown		Desconocido (Verificado)						
		Desconocido						
1			1					
2			2					
3			3					
4			4					
5			5					
6			6					
7			7					

NumberOfAnodes	NumeroCuenta			The number of anodes serving the rectifier.	Text	255		
	NumeroDeAnodos				Integer	4	CPRectifier	
	NumeroMedidor				Text	255		
BeginStation	NumeroSerie				Text	255		
	ProgresivaInicio			The station value for the beginning of an Online Polyline feature, or the station value of an Online Point feature.	Double	8		
	RectAmperiosACEntradaNominal	cpRectifierAmpsIn	range	Corriente maxima nominal de entrada del rectificador	Double	8		
Minimum value	ValorMinimo		0					0
Maximum value	ValorMaximo		50					50
RatedAmpsOut	RectAmperiosDCSalidaNominal	cpRectifierAmpsOut	range	Maximum rated amperage output by rectifier.	Double	8	CPRectifier	cpRectifierAmpsOut
Minimum value	ValorMinimo		0					0
Maximum value	ValorMaximo		100					100
Manufacturer	RectFabricante	cpRectifierManufacturer	coded values	The rectifier manufacturer.	Text	50	CPRectifier	cpRectifierManufacturer
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Universal Rectifier		Universal Rectifier						Universal
Goodall		Goodall						Goodall
PEM		PEM						PEM
JA Electronics		JA Electronics						JA Electronics
Energy Economics		Energy Economics						Energy Economics
Guardian		Guardian						Guardian
Rio Rectifiers		Rio Rectifiers						Rio Rectifiers
Brance Krachy		Brance Krachy						Brance Krachy
Fatra - Femco		Fatra - Femco						Femco-Fatra
Global Thermoelectric		Global Thermoelectric						Global Thermoelectric
PowerSource	RectFuenteAlimentacion	cpRectifierPowerSource	coded values	Power source for rectifier (e.g., solar, electric).	Text	50	CPRectifier	cpRectifierPowerSource
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
AC		AC						AC
PanelSolar		PanelSolar						Solar
Termogenerador		Termogenerador						Thermo-Electric Generator
Celda de combustible		Celda de combustible						Fuel Cell
	RectHertz	cpRectifierSourceHertz	coded values	Frecuencia de la fuente de alimentacion del rectificador	Text	50		
Unknown (Verified)		Desconocido (Verificado)						
Unknown		Desconocido						
50 ciclos		50 ciclos						
60 ciclos		60 ciclos						
Model	RectModelo	cpRectifierModel	coded values	The rectifier model type.	Text	50	CPRectifier	cpRectifierModel
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
	RectNumeroFasesFuente	cpRectifierSourcePhases	coded values	Fases de la fuente de alimentacion del rectificador	Text	50		
Unknown (Verified)		Desconocido (Verificado)						
Unknown		Desconocido						
Monofasico		Monofasico						
Trifasico		Trifasico						
RectifierStackType	RectTipoChapaTransformador	cpRectifierStackType	coded values	The type of stack used by the rectifier (e.g., silicon bridge, silicon diode).	Text	50	CPRectifier	cpRectifierStackType
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Silicio		Silicio						Silicon Diode
Selenio		Selenio						Selenium Stack
Puente de Silicio		Puente de Silicio						Silicon Bridge
	RectVoltiosACEntadaNominal	cpRectifierVoltageIn	range	Voltaje maximo nominal de entrada del rectificador	Double	8		
Minimum value	ValorMinimo		0					0
Maximum value	ValorMaximo		380					380
RatedVoltsOut	RectVoltiosDCSalidaNominal	cpRectifierVoltage	range	Maximum rated volts output by rectifier.	Double	8	CPRectifier	cpRectifierVoltage
Minimum value	ValorMinimo		0					0
Maximum value	ValorMaximo		100					100
	ResistenciaCircuito		Calculated	En oficina se calcula la resistencia de los circuitos.	Double	8		
	Sector				Text	255		
Unknown (Verified)	TipoRefrigeracion	cpTipoRefrigeracion	coded values	Tipo de refrigeracion	Text	50		
Unknown		Desconocido						
Aire		Aire						
Aceite		Aceite						
CPTestStation	CPTestPoint	Cathodic Protection		The CPTestStation feature class stores the information describing a cathodic protection test station. Test stations are located at strategic points along a pipeline and are used to take readings and measurements of the cathodic protection system. The relationship between CPTestStation and CPLocation shows that a test station may have one or more online locations.	Point			
Remarks	Codigo _JDE			Codigo JDE del test point	Text	255		
InstallationDate	FechaDeInstalacion			El supervisor ingresa sus comentarios.	Text	255	CPTestStation	
ReplaceByDate	FechaDeReemplazo			The date a piece of equipment is installed.	Date/Time	8	CPTestStation	
InServiceDate	FechaEnServicio			InstallationDate is important for risk analysis.	Date/Time	8	CPTestStation	
				The date by which the rectifier must be replaced.	Date/Time	8	CPTestStation	
				Represents the date a piece of equipment is actually put in service and is used primarily for accounting purposes. Note that the InServiceDate date may be later than the installation date.	Date/Time	8	CPTestStation	
BeginStation	ProgresivaInicio			The station value for the beginning of an Online Polyline feature, or the station value of an Online Point feature.	Double	8		

TestStationType	TestPointTipo	cpTestStationType	coded values	The type of test station (e.g., anode, single wire, bonded).	Text	50	CPTestStation	cpTestStationType
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
tipo A		tipo A						
tipo B		tipo B						
tipo C		tipo C						
tipo D		tipo D						
tipo E		tipo E						
tipo F		tipo F						
tipo G		tipo G						
tipo H		tipo H						
tipo I		tipo I						
tipo J		tipo J						
Aereo		Aereo						
ElevationPoint	Entierro	Operations		The ElevationPoint feature class is designed to store elevations taken at specific points along the pipeline centerline. Anytime that a section of pipe is excavated (or initially placed in the ground) the depths of the pipeline features from the ground surface are recorded. (The engineers need to know the elevation to plan for hydrostatic testing.) Along with the elevation, slope/horizontal distance between elevation points, slope/horizontal stationing, depth of cover, and lat/long information are collected. There are many more ElevationPoints physically on the center line than off the center line. The ElevationPoint feature class is also useful for storing the depth of offshore features that are under water.	Point			
Remarks	Comentarios			Open field used for comments, remarks, or notes about the object.	Text	255	ElevationPoint	
Station	Progresiva			A station value (i.e. measure) along a station series used to position and locate the point feature.	Double	8	ElevationPoint	
FeatureElevation	Profundidad			Depth of a pipeline feature below ground surface.	Double	8	ElevationPoint	
GroundElevation	Altura			Elevation of the ground at a specific location.	Double	8	ElevationPoint	
MeasurementDate	FechaDeRegistro			Date the elevation value was recorded.	Date/Time	8	ElevationPoint	
WaterElevation	ProfundidadBajoElAgua			Depth of a pipeline feature below water surface.	Double	8	ElevationPoint	
	Condicion	gnAereoEnterrado	coded values	Informacion relevante del entierro, punto donde inicia o termina el entierro.	Text	50		
Above ground		Aereo						
Below ground		Enterrado						
Leak	Fuga	Inspections		The Leak feature class stores information about leaks, ruptures, and unexpected deliveries or releases that are discovered along the pipeline system and repaired.	Point			
Remarks	Comentarios			Open field used for comments, remarks, or notes about the object.	Text	255	Leak	
Station	Progresiva			A station value (i.e. measure) along a station series used to position and locate the point feature.	Double	8	Leak	
DateRepaired	FechaDeReparacion			The date the leak was repaired.	Date/Time	8	Leak	
DateReported	FechaReportada			The date the leak was discovered/reported.	Date/Time	8	Leak	
Depth	Profundidad			The depth of the leak below the surface of the ground.	Double	8	Leak	
LeakCause	CausaDeLaFuga	inLeakCause	coded values	The cause of the leak (e.g., outside force, corrosion).	Text	50	Leak	inLeakCause
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Material Failure		Material Failure						Material Failure
Construction Defect		Construction Defect						Construction Defect
Corrosion		Corrosion						Corrosion
Outside Force		Outside Force						Outside Force
LeakOrigin	OrigenDeLaFuga	inLeakOrigin	coded values	The origin of the leak on the pipe (e.g., girth weld, tap).	Text	50	Leak	inLeakOrigin
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Pipe Body		Pipe Body						Pipe Body
Girth Weld		Girth Weld						Girth Weld
Split Seam		Split Seam						Split Seam
Valve		Valve						Valve
Drip		Drip						Drip
Tap		Tap						Tap
Fitting		Fitting						Fitting
LeakStatus	EstadoDeLaFuga	inLeakStatus	coded values	The status of the leak (e.g., no leak, repaired).	Text	50	Leak	inLeakStatus
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Repaired		Repaired						Repaired
Not Repaired		Not Repaired						Not Repaired
No Leak		No Leak						No Leak
MethodDetected	MetodoDeDeteccion	inLeakDetectionMethod	coded values	How the leak was detected (e.g., leak survey, third party).	Text	50	Leak	inLeakDetectionMethod
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Leak Survey		Leak Survey						Leak Survey
Air Patrol		Air Patrol						Air Patrol
3rd Party		3rd Party						3rd Party
RepairType	TipoDeReparacion	inLeakRepairType	coded values	Type of repair (permanent or temporary).	Text	50	Leak	inLeakRepairType
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown

Permanent		Permanent						Permanent
Temporary		Temporary						Temporary
Not Applicable		Not Applicable						Not Applicable
Reducer	Reduccion	Facilities		Reducers are manufactured fittings designed to carry pressurized product. The Reducer feature class stores information about a reducer facility. Reducers are points along the pipeline where the internal diameter of the pipeline is decreased or increased by the reducer.	Point			
Remarks	Comentarios			Open field used for comments, remarks, or notes about the object.	Text	255	Reducer	
InstallationDate	FechaDeInstalacion			The date a piece of equipment is installed. InstallationDate is important for risk analysis.	Date/Time	8	Reducer	
InServiceDate	FechaEnServicio			Represents the date a piece of equipment is actually put in service and is used primarily for accounting purposes. Note that the InServiceDate date may be later than the installation date.	Date/Time	8	Reducer	
Station	Progresiva			A station value (i.e. measure) along a station series used to position and locate the point feature.	Double	8	Reducer	
DateManufactured	FechaDeFabricacion			The date the fitting or facility was manufactured.	Date/Time	8	Reducer	
GradeLabel	Grado	fcGradeLabel	coded values	Grade refers to the chemical composition of the steel used to manufacture the pipe. Grade A (less carbon) has lower strength, but higher ductility; Grade B (more carbon) is higher strength, but less ductile.	Text	50	Reducer	fcGradeLabel
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
SMYS Grade A		SMYS Grade A						SMYS Grade A
SMYS Grade B		SMYS Grade B						SMYS Grade B
SMYS 24 ksi		SMYS 24 ksi						SMYS 24 ksi
SMYS 25 ksi		SMYS 25 ksi						SMYS 25 ksi
SMYS 30 ksi		SMYS 30 ksi						SMYS 30 ksi
SMYS 35 ksi		SMYS 35 ksi						SMYS 35 ksi
SMYS 40 ksi		SMYS 40 ksi						SMYS 40 ksi
SMYS 41 ksi		SMYS 41 ksi						SMYS 41 ksi
SMYS 42 ksi		SMYS 42 ksi						SMYS 42 ksi
SMYS 44 ksi		SMYS 44 ksi						SMYS 44 ksi
SMYS 45 ksi		SMYS 45 ksi						SMYS 45 ksi
SMYS 46 ksi		SMYS 46 ksi						SMYS 46 ksi
SMYS 48 ksi		SMYS 48 ksi						SMYS 48 ksi
SMYS 52 ksi		SMYS 52 ksi						SMYS 52 ksi
SMYS 56 ksi		SMYS 56 ksi						SMYS 56 ksi
SMYS 60 ksi		SMYS 60 ksi						SMYS 60 ksi
SMYS 62 ksi		SMYS 62 ksi						SMYS 62 ksi
SMYS 65 ksi		SMYS 65 ksi						SMYS 65 ksi
SMYS 70 ksi		SMYS 70 ksi						SMYS 70 ksi
SMYS 80 ksi		SMYS 80 ksi						SMYS 80 ksi
SMYS 90 ksi		SMYS 90 ksi						SMYS 90 ksi
InletConnectionType	TipoDeConexionEntrada	fcConnectionType	coded values	The inlet connection type (e.g. weld, thread).	Text	50	Reducer	fcConnectionType
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Composite Fabrication		Composite Fabrication						Composite Fabrication
Coupling		Coupling						Coupling
Cylinder Coupling		Cylinder Coupling						Cylinder Coupling
Flanged End		Flanged End						Flanged End
Plain End		Plain End						Plain End
Ring Type Joint End		Ring Type Joint End						Ring Type Joint End
Screwed End		Screwed End						Screwed End
Socket Weld		Socket Weld						Socket Weld
Welded End		Welded End						Welded End
InletDiameter	DiametroDeEntrada	fcDiameter	coded values	The diameter of the inlet opening.	Text	50	Reducer	fcDiameter
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
1"		1"						1"
2"		2"						2"
3"		3"						3"
4"		4"						4"
6"		6"						6"
8"		8"						8"
10"		10"						10"
12"		12"						12"
14"		14"						14"
16"		16"						16"
18"		18"						18"
20"		20"						20"
22"		22"						22"
24"		24"						24"
26"		26"						26"
28"		28"						28"
30"		30"						30"
32"		32"						32"
36"		36"						36"
InletWallThickness	EspesorDeParedDeEntrada	fcWallThicknessValue	range	The wall thickness around the inlet opening.	Double	8	Reducer	fcWallThicknessValue
Minimum value	Minimum value		0					Unknown
Maximum value	Maximum value		1.5					Unknown (Verified)
Manufacturer	Fabricante	fcFittingManufacturer	coded values	The manufacturer of the fitting.	Text	50	Reducer	fcFittingManufacturer
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
ACME-Newport Steel Co.		ACME-Newport Steel Co.						ACME-Newport Steel Co.
American Steel Pipe		American Steel Pipe						American Steel Pipe

Bethlehem Steel Co.		Bethlehem Steel Co.						Bethlehem Steel Co.
Ipsco Steel (Canada)		Ipsco Steel (Canada)						Ipsco Steel (Canada)
Mueller		Mueller						Mueller
Newport Steel		Newport Steel						Newport Steel
Pittsburgh Steel Co.		Pittsburgh Steel Co.						Pittsburgh Steel Co.
Stelco		Stelco						Stelco
Taylor Forge Pipe Works		Taylor Forge Pipe Works						Taylor Forge Pipe Works
US Steel		US Steel						US Steel
Material	Material	fcMaterial	coded values	The material from which the fitting is made (e.g. PVC, steel).	Text		50 Reducer	fcMaterial
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Concrete		Concrete						Concrete
PVC		PVC						PVC
Steel		Steel						Steel
PressureRating	RangoDePresion	fcPressureRating	coded values	(required APDM domain) – The pressure rating of the structure. The fcPressureRating domain is considered a 'core' APDM domain and must be implemented verbatim.	Text		50 Reducer	fcPressureRating
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
API WOG 150 PSI		API WOG 150 PSI						API WOG 150 PSI
API WOG 275 PSI		API WOG 275 PSI						API WOG 275 PSI
API WOG 300 PSI		API WOG 300 PSI						API WOG 300 PSI
API WOG 400 PSI		API WOG 400 PSI						API WOG 400 PSI
API WOG 500 PSI		API WOG 500 PSI						API WOG 500 PSI
API WOG 600 PSI		API WOG 600 PSI						API WOG 600 PSI
API WOG 700 PSI		API WOG 700 PSI						API WOG 700 PSI
API WOG 720 PSI		API WOG 720 PSI						API WOG 720 PSI
API WOG 800 PSI		API WOG 800 PSI						API WOG 800 PSI
API WOG 850 PSI		API WOG 850 PSI						API WOG 850 PSI
API WOG 900 PSI		API WOG 900 PSI						API WOG 900 PSI
API WOG 950 PSI		API WOG 950 PSI						API WOG 950 PSI
API WOG 960 PSI		API WOG 960 PSI						API WOG 960 PSI
API WOG 980 PSI		API WOG 980 PSI						API WOG 980 PSI
API WOG 1000 PSI		API WOG 1000 PSI						API WOG 1000 PSI
API WOG 1500 PSI		API WOG 1500 PSI						API WOG 1500 PSI
API WOG 2000 PSI		API WOG 2000 PSI						API WOG 2000 PSI
API WOG 3000 PSI		API WOG 3000 PSI						API WOG 3000 PSI
API WOG 5000 PSI		API WOG 5000 PSI						API WOG 5000 PSI
API WOG 10000 PSI		API WOG 10000 PSI						API WOG 10000 PSI
API WOG 15000 PSI		API WOG 15000 PSI						API WOG 15000 PSI
API WOG 20000 PSI		API WOG 20000 PSI						API WOG 20000 PSI
Specification	Especificacion	fcSpecificationReducer	coded values	The machine specification of the fitting (e.g. ANSI, API 5).	Text		50 Reducer	fcSpecificationReducer
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
ANSI		ANSI						ANSI
API 5		API 5						API 5
API SLX		API SLX						API SLX
API 6A		API 6A						API 6A
ASME B16.20		ASME B16.20						ASME B16.20
ASTM A105		ASTM A105						ASTM A105
AWWA C207-55		AWWA C207-55						AWWA C207-55
DOT 195		DOT 195						DOT 195
Grade A		Grade A						Grade A
Grade B		Grade B						Grade B
MSS SP 42		MSS SP 42						MSS SP 42
NACE RP-0172		NACE RP-0172						NACE RP-0172
OSHA		OSHA						OSHA
SSPC		SSPC						SSPC
ASME B16.9		ASME B16.9						ASME B16.9
OutletConnectionType	TipoDeConexionSalida	fcConnectionType	coded values	The outlet connection type (e.g. weld, thread).	Text		50 Reducer	fcConnectionType
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Composite Fabrication		Composite Fabrication						Composite Fabrication
Coupling		Coupling						Coupling
Cylinder Coupling		Cylinder Coupling						Cylinder Coupling
Flanged End		Flanged End						Flanged End
Plain End		Plain End						Plain End
Ring Type Joint End		Ring Type Joint End						Ring Type Joint End
Screwed End		Screwed End						Screwed End
Socket Weld		Socket Weld						Socket Weld
Welded End		Welded End						Welded End
OutletDiameter	DiametroDeSalida	fcDiameter	coded values	The diameter of the outlet opening.	Text		50 Reducer	fcDiameter
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
1"		1"						1"
2"		2"						2"
3"		3"						3"
4"		4"						4"
6"		6"						6"
8"		8"						8"
10"		10"						10"
12"		12"						12"
14"		14"						14"
16"		16"						16"
18"		18"						18"
20"		20"						20"
22"		22"						22"
24"		24"						24"
26"		26"						26"
28"		28"						28"
30"		30"						30"

32"		32"						36"
36"		36"						
OutletWallThickness	EspesorDeParedDeSalida	fcWallThicknessValue	range	The wall thickness around the outlet opening.	Double	8	Reducer	fcWallThicknessValue
Minimum value	Minimum value		0					Unknown
Maximum value	Maximum value		1,5					Unknown (Verified)
ReducerSize	TamañoDeReductor	fcReducerSize	coded values	The size of both input and output pipe diameters connected to the reducer (e.g., 4x12, 6x8)	Text	50	Reducer	fcReducerSize
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
2x1		2x1						2x1
3x2		3x2						3x2
3x1		3x1						3x1
4x3		4x3						4x3
4x2		4x2						4x2
6x4		6x4						6x4
6x3		6x3						6x3
8x6		8x6						8x6
8x4		8x4						8x4
10x8		10x8						10x8
10x6		10x6						10x6
10x4		10x4						10x4
10x3		10x3						10x3
12x10		12x10						12x10
12x8		12x8						12x8
12x6		12x6						12x6
12x4		12x4						12x4
16x12		16x12						16x12
16x10		16x10						16x10
16x8		16x8						16x8
16x6		16x6						16x6
20x16		20x16						20x16
20x12		20x12						20x12
20x10		20x10						20x10
20x8		20x8						20x8
22x20		22x20						22x20
22x16		22x16						22x16
22x12		22x12						22x12
22x10		22x10						22x10
24x22		24x22						24x22
24x20		24x20						24x20
24x16		24x16						24x16
24x12		24x12						24x12
24x10		24x10						24x10
30x24		30x24						30x24
30x22		30x22						30x22
30x20		30x20						30x20
30x16		30x16						30x16
30x12		30x12						30x12
30x10		30x10						30x10
32x30		32x30						32x30
32x24		32x24						32x24
32x22		32x22						32x22
32x20		32x20						32x20
32x16		32x16						32x16
32x12		32x12						32x12
32x10		32x10						32x10
ReducerType	TipoDeReductor	fcReducerType	coded values	The type of reducer (e.g., concentric weld, full open, swedge)	Text	50	Reducer	fcReducerType
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Soldadura concentrica		Soldadura concentrica						Concentric Weld
Soldadura excentrica		Soldadura excentrica						Eccentric Weld
Apertura total		Apertura total						Full Open
Reduccion derecha		Reduccion derecha						Reducer - Right
Reduccion izquierda		Reduccion izquierda						Reducer - Left
Swage Nipple		Swage Nipple						Swage Nipple
Weld Reducer with Flange		Weld Reducer with Flange						Weld Reducer with Flange
Marker	Señalización	Operations		The Marker feature class stores information about monuments, aerial markers, mileposts, and other offline features that determine position along a pipeline. Marker features are not control points since they do not explicitly mark the route of a centerline. Markers are placed at regular intervals or at points of known locations along the pipeline and serve as reference points. Markers may serve as calibration points for station series features for alternate measurement systems.	Point			
Remarks	Comentarios			Open field used for comments, remarks, or notes about the object.	Text	255	Marker	
InstallationDate	FechaDeInstalacion			The date a piece of equipment is installed. InstallationDate is important for risk analysis.	Date/Time	8	Marker	
InServiceDate	FechaEnServicio			Represents the date a piece of equipment is actually put in service and is used primarily for accounting purposes. Note that the InServiceDate date may be later than the installation date.	Date/Time	8	Marker	
MarkerNumber	CodigoDeSeñalizacion			An organizational name, code, or number identifying the marker.	Text	15	Marker	
POINT_X	x_loc			The original x location of the point.	Double		GeoMetaData	
POINT_Y	y_loc			The original y location of the point.	Double		GeoMetaData	
MarkerType	TipoDeSeñalizacion	opMarkerType		The subtype field.	Text	50	Marker	opMarkerType
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)



Unknown		Desconocido						Unknown
Above Ground Marker		Above Ground Marker						Above Ground Marker
Aerial Marker		Aerial Marker						Aerial Marker
Milepost		Milepost						Milepost
Monument		Monument						Monument
Survey Point		Survey Point						Survey Point
Tap	Tap	Facilities		The Tap feature class stores information describing both manufactured tap fittings and tap fabrication (hot taps) located on a pipeline system. The APDM considers a tap to be the joining of two or more pipes at a junction for the purpose of releasing product in a controlled fashion. A tap is usually found in conjunction with a shutoff, check, or release valve.	Point			
Remarks	Comentarios			Open field used for comments, remarks, or notes about the object.	Text	255	Tap	
InstallationDate	FechaDeInstalacion			The date a piece of equipment is installed. InstallationDate is important for risk analysis.	Date/Time	8	Tap	
InServiceDate	FechaEnServicio			Represents the date a piece of equipment is actually put in service and is used primarily for accounting purposes. Note that the InServiceDate date may be later than the installation date.	Date/Time	8	Tap	
Station	Progresiva			A station value (i.e. measure) along a station series used to position and locate the point feature.	Double	8	Tap	
BranchConnectionType	TipoDeConexionRamal	fcBranchConnectionType	coded values	Description of a reinforcing structure around the tap (e.g., saddle, full encirclement).	Text	50	Tap	fcBranchConnectionType
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Saddle		Saddle						Saddle
Full Encirclement		Full Encirclement						Full Encirclement
None		None						None
Capacity	Capacidad			A measure of the tap flow capacity	Integer	4	Tap	
CapacityUnits	UnidadDeCapacidad	fcCapacityUnits	coded values	The units of flow capacity.	Text	50	Tap	fcCapacityUnits
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
MCFH - Miles de pies cubicos por hora		MCFH - Miles de pies cubicos por hora						MCFH - Thousand Cubic Feet per Hour
MMCFD - Millones de pies cubicos por dia		MMCFD - Millones de pies cubicos por dia						MMCFD - Million Cubic Feet per Day
SCFH - Pies cubicos standard per hora		SCFH - Pies cubicos standard per hora						SCFH - Standard Cubic Feet per Hour
MMCMD - Millones de metros cubicos por dia		MMCMD - Millones de metros cubicos por dia						MMCMD - Million Cubic Meters per Day
Capped	Taponado	gnYesNo	coded values	(required APDM domain) – Indicates if the tap is currently capped and does not conduct product flow. The gnYesNo domain is considered a 'core' APDM domain and must be implemented verbatim.	Text	50	Tap	gnYesNo
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Yes		Yes						Yes
No		No						No
FlowDirection	DireccionDeFlujo	fcTapFlowDirection	coded values	Indicates flow direction into/from the pipeline system (delivery, receipt, bidirectional).	Text	50	Tap	fcTapFlowDirection
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Recepción		Recepción						Receipt
Entrega		Entrega						Delivery
Bi-Direccional		Bi-Direccional						Bi-Directional
Sellado		Sellado						Sealed
Manufacturer	Fabricante	fcFittingManufacturer	coded values	(required APDM domain) – The name of the tap manufacturer. The fcFittingManufacturer domain is considered a 'core' APDM domain and must be implemented verbatim.	Text	50	Tap	fcFittingManufacturer
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
ACME-Newport Steel Co.		ACME-Newport Steel Co.						ACME-Newport Steel Co.
American Steel Pipe		American Steel Pipe						American Steel Pipe
Bethlehem Steel Co.		Bethlehem Steel Co.						Bethlehem Steel Co.
Ipsco Steel (Canada)		Ipsco Steel (Canada)						Ipsco Steel (Canada)
Mueller		Mueller						Mueller
Newport Steel		Newport Steel						Newport Steel
Pittsburgh Steel Co.		Pittsburgh Steel Co.						Pittsburgh Steel Co.
Stelco		Stelco						Stelco
Taylor Forge Pipe Works		Taylor Forge Pipe Works						Taylor Forge Pipe Works
US Steel		US Steel						US Steel
Not Applicable		Not Applicable						Not Applicable
Material	Material	fcMaterial	coded values	(required APDM domain) – The material that the tap is constructed with (e.g., steel, PVC). The fcMaterial domain is considered a 'core' APDM domain and must be implemented verbatim.	Text	50	Tap	fcMaterial
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Concrete		Concrete						Concrete
PVC		PVC						PVC
Steel		Steel						Steel
Fiberglass		Fiberglass						
Metered	TieneMedidor	gnYesNo	coded values	(required APDM domain) – Indicates if the tap contains a meter as part of the feature. The gnYesNo domain is considered a 'core' APDM domain and must be implemented verbatim.	Text	50	Tap	gnYesNo
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Yes		Yes						Yes

No PressureRating	RangoDePresion	No fcPressureRating	coded values	(required APDM domain) – The pressure rating of the structure. The fcPressureRating domain is considered a 'core' APDM domain and must be implemented verbatim.	Text	50	Tap	No fcPressureRating
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
API WOG 150 PSI		API WOG 150 PSI						API WOG 150 PSI
API WOG 275 PSI		API WOG 275 PSI						API WOG 275 PSI
API WOG 300 PSI		API WOG 300 PSI						API WOG 300 PSI
API WOG 400 PSI		API WOG 400 PSI						API WOG 400 PSI
API WOG 500 PSI		API WOG 500 PSI						API WOG 500 PSI
API WOG 600 PSI		API WOG 600 PSI						API WOG 600 PSI
API WOG 700 PSI		API WOG 700 PSI						API WOG 700 PSI
API WOG 720 PSI		API WOG 720 PSI						API WOG 720 PSI
API WOG 800 PSI		API WOG 800 PSI						API WOG 800 PSI
API WOG 850 PSI		API WOG 850 PSI						API WOG 850 PSI
API WOG 900 PSI		API WOG 900 PSI						API WOG 900 PSI
API WOG 950 PSI		API WOG 950 PSI						API WOG 950 PSI
API WOG 960 PSI		API WOG 960 PSI						API WOG 960 PSI
API WOG 980 PSI		API WOG 980 PSI						API WOG 980 PSI
API WOG 1000 PSI		API WOG 1000 PSI						API WOG 1000 PSI
API WOG 1500 PSI		API WOG 1500 PSI						API WOG 1500 PSI
API WOG 2000 PSI		API WOG 2000 PSI						API WOG 2000 PSI
API WOG 3000 PSI		API WOG 3000 PSI						API WOG 3000 PSI
API WOG 5000 PSI		API WOG 5000 PSI						API WOG 5000 PSI
API WOG 10000 PSI		API WOG 10000 PSI						API WOG 10000 PSI
API WOG 15000 PSI		API WOG 15000 PSI						API WOG 15000 PSI
API WOG 20000 PSI		API WOG 20000 PSI						API WOG 20000 PSI
TapSize	TamañoDeTap	fcTapSize	range	The sizes of the branch pipe connected to the tap (1"-24").	Text	50	Tap	fcTapSize
Minimum value	ValorMinimo		1					1
Maximum value	ValorMaximo		24					24
TapType	TipoDeTap	fcTapType	coded values	The function or style of the tap (e.g., blow-off, siphon, thread-o-let).	Text	50	Tap	fcTapType
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Blowoff		Blowoff						Blowoff
Coupling		Coupling						Coupling
Coupling (PNH Nipple)		Coupling (PNH Nipple)						Coupling (PNH Nipple)
Siphon		Siphon						Siphon
Threadolet		Threadolet						Threadolet
Weldolet		Weldolet						Weldolet
TappingMethod	MetodoDeTapping	fcTappingMethod	coded values	The method used to create the tap (e.g., cold tap, hot tap, weld plus).	Text	50	Tap	fcTappingMethod
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Cold Tap		Cold Tap						Cold Tap
Hot Tap		Hot Tap						Hot Tap
Weld Plus		Weld Plus						Weld Plus
Full Encirclement		Full Encirclement						Full Encirclement
Tee	Te	Facilities		The Tee feature class contains information describing manufactured branch or tee fittings designed to carry pressurized product flow from a main to a branch or secondary pipe.	Point			
Remarks	Comentarios			Open field used for comments, remarks, or notes about the object.	Text	255	Tee	
InstallationDate	FechaDeInstalacion			The date a piece of equipment is installed. InstallationDate is important for risk analysis.	Date/Time	8	Tee	
InServiceDate	FechaEnServicio			Represents the date a piece of equipment is actually put in service and is used primarily for accounting purposes. Note that the InServiceDate date may be later than the installation date.	Date/Time	8	Tee	
Station	Progresiva			A station value (i.e. measure) along a station series used to position and locate the point feature.	Double	8	Tee	
DateManufactured	FechaDeFabricacion			The date the fitting or facility was manufactured.	Date/Time	8	Tee	
GradeLabel	Grado	fcGradeLabel	coded values	Grade refers to the chemical composition of the steel used to manufacture the pipe. Grade A (less carbon) has lower strength, but higher ductility; Grade B (more carbon) is higher strength, but less ductile.	Text	50	Tee	fcGradeLabel
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
SMYS Grade A		SMYS Grade A						SMYS Grade A
SMYS Grade B		SMYS Grade B						SMYS Grade B
SMYS 24 ksi		SMYS 24 ksi						SMYS 24 ksi
SMYS 25 ksi		SMYS 25 ksi						SMYS 25 ksi
SMYS 30 ksi		SMYS 30 ksi						SMYS 30 ksi
SMYS 35 ksi		SMYS 35 ksi						SMYS 35 ksi
SMYS 40 ksi		SMYS 40 ksi						SMYS 40 ksi
SMYS 41 ksi		SMYS 41 ksi						SMYS 41 ksi
SMYS 42 ksi		SMYS 42 ksi						SMYS 42 ksi
SMYS 44 ksi		SMYS 44 ksi						SMYS 44 ksi
SMYS 45 ksi		SMYS 45 ksi						SMYS 45 ksi
SMYS 46 ksi		SMYS 46 ksi						SMYS 46 ksi
SMYS 48 ksi		SMYS 48 ksi						SMYS 48 ksi
SMYS 52 ksi		SMYS 52 ksi						SMYS 52 ksi
SMYS 56 ksi		SMYS 56 ksi						SMYS 56 ksi
SMYS 60 ksi		SMYS 60 ksi						SMYS 60 ksi
SMYS 62 ksi		SMYS 62 ksi						SMYS 62 ksi
SMYS 65 ksi		SMYS 65 ksi						SMYS 65 ksi

SMYS 70 ksi		SMYS 70 ksi						SMYS 70 ksi
SMYS 80 ksi		SMYS 80 ksi						SMYS 80 ksi
SMYS 90 ksi		SMYS 90 ksi						SMYS 90 ksi
InletConnectionType	TipoDeConexionEntrada	fcConnectionType	coded values	The inlet connection type (e.g. weld, thread).	Text		50 Tee	fcConnectionType
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Composite Fabrication		Composite Fabrication						Composite Fabrication
Coupling		Coupling						Coupling
Cylinder Coupling		Cylinder Coupling						Cylinder Coupling
Flanged End		Flanged End						Flanged End
Plain End		Plain End						Plain End
Ring Type Joint End		Ring Type Joint End						Ring Type Joint End
Screwed End		Screwed End						Screwed End
Socket Weld		Socket Weld						Socket Weld
Welded End		Welded End						Welded End
InletDiameter	DiametroDeEntrada	fcDiameter	coded values	The diameter of the inlet opening.	Text		50 Tee	fcDiameter
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
1"		1"						1"
2"		2"						2"
3"		3"						3"
4"		4"						4"
6"		6"						6"
8"		8"						8"
10"		10"						10"
12"		12"						12"
14"		14"						14"
16"		16"						16"
18"		18"						18"
20"		20"						20"
22"		22"						22"
24"		24"						24"
30"		30"						30"
32"		32"						30"
36"		36"						36"
InletWallThickness	EspesorDeParedDeEntrada	fcWallThicknessValue	range	The wall thickness around the inlet opening.	Double		8 Tee	fcWallThicknessValue
Minimum value	Minimum value		0					Unknown
Maximum value	Maximum value		1,5					Unknown (Verified)
Manufacturer	Fabricante	fcFittingManufacturer	coded values	The manufacturer of the fitting.	Text		50 Tee	fcFittingManufacturer
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
ACME-Newport Steel Co.		ACME-Newport Steel Co.						ACME-Newport Steel Co.
American Steel Pipe		American Steel Pipe						American Steel Pipe
Bethlehem Steel Co.		Bethlehem Steel Co.						Bethlehem Steel Co.
Ipsco Steel (Canada)		Ipsco Steel (Canada)						Ipsco Steel (Canada)
Mueller		Mueller						Mueller
Newport Steel		Newport Steel						Newport Steel
Pittsburgh Steel Co.		Pittsburgh Steel Co.						Pittsburgh Steel Co.
Stelco		Stelco						Stelco
Taylor Forge Pipe Works		Taylor Forge Pipe Works						Taylor Forge Pipe Works
US Steel		US Steel						US Steel
Material	Material	fcMaterial	coded values	The material from which the fitting is made (e.g. PVC, steel).	Text		50 Tee	fcMaterial
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Concrete		Concrete						Concrete
PVC		PVC						PVC
Steel		Steel						Steel
PressureRating	RangoDePresion	fcPressureRating	coded values	(required APDM domain) – The pressure rating of the structure. The fcPressureRating domain is considered a 'core' APDM domain and must be implemented verbatim.	Text		50 Tee	fcPressureRating
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
API WOG 150 PSI		API WOG 150 PSI						API WOG 150 PSI
API WOG 275 PSI		API WOG 275 PSI						API WOG 275 PSI
API WOG 300 PSI		API WOG 300 PSI						API WOG 300 PSI
API WOG 400 PSI		API WOG 400 PSI						API WOG 400 PSI
API WOG 500 PSI		API WOG 500 PSI						API WOG 500 PSI
API WOG 600 PSI		API WOG 600 PSI						API WOG 600 PSI
API WOG 700 PSI		API WOG 700 PSI						API WOG 700 PSI
API WOG 720 PSI		API WOG 720 PSI						API WOG 720 PSI
API WOG 800 PSI		API WOG 800 PSI						API WOG 800 PSI
API WOG 850 PSI		API WOG 850 PSI						API WOG 850 PSI
API WOG 900 PSI		API WOG 900 PSI						API WOG 900 PSI
API WOG 950 PSI		API WOG 950 PSI						API WOG 950 PSI
API WOG 960 PSI		API WOG 960 PSI						API WOG 960 PSI
API WOG 980 PSI		API WOG 980 PSI						API WOG 980 PSI
API WOG 1000 PSI		API WOG 1000 PSI						API WOG 1000 PSI
API WOG 1500 PSI		API WOG 1500 PSI						API WOG 1500 PSI
API WOG 2000 PSI		API WOG 2000 PSI						API WOG 2000 PSI
API WOG 3000 PSI		API WOG 3000 PSI						API WOG 3000 PSI
API WOG 5000 PSI		API WOG 5000 PSI						API WOG 5000 PSI
API WOG 10000 PSI		API WOG 10000 PSI						API WOG 10000 PSI
API WOG 15000 PSI		API WOG 15000 PSI						API WOG 15000 PSI
API WOG 20000 PSI		API WOG 20000 PSI						API WOG 20000 PSI
Specification	Especificacion	fcSpecificationTee	coded values	The machine specification of the fitting (e.g. ANSI, API 5).	Text		50 Tee	fcSpecificationTee
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
ANSI		ANSI						ANSI
API 5		API 5						API 5
API 5LX		API 5LX						API 5LX
API 6A		API 6A						API 6A

ASME B16.20		ASME B16.20						ASME B16.20
ASTM A105		ASTM A105						ASTM A105
AWWA C207-55		AWWA C207-55						AWWA C207-55
DOT 195		DOT 195						DOT 195
Grade A		Grade A						Grade A
Grade B		Grade B						Grade B
MSS SP 42		MSS SP 42						MSS SP 42
NACE RP-0172		NACE RP-0172						NACE RP-0172
OSHA		OSHA						OSHA
SSPC		SSPC						SSPC
ASME B16.9		ASME B16.9						
BranchConnectionType	TipoDeConexionRamal	fcBranchConnectionType	coded values	(required APDM domain) – The element used to connect the branch to the main pipe (e.g., weld, flange, thread). The fcConnectionType domain is considered a 'core' APDM domain and must be implemented verbatim.	Text	50	Tee	fcBranchConnectionType
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Saddle		Saddle						Saddle
Full Encirclement		Full Encirclement						Full Encirclement
None		None						None
Welded		Welded						
BranchDiameter	DiametroDelRamal	fcDiameter	coded values	(required APDM domain) – The outside diameter of the branch pipe. The fcDiameter domain is considered a 'core' APDM domain and must be implemented verbatim.	Text	50	Tee	fcDiameter
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
1"		1"						1"
2"		2"						2"
3"		3"						3"
4"		4"						4"
6"		6"						6"
8"		8"						8"
10"		10"						10"
12"		12"						12"
14"		14"						14"
16"		16"						16"
18"		18"						18"
20"		20"						20"
22"		22"						22"
24"		24"						24"
30"		30"						30"
32"		32"						
36"		36"						36"
BranchWallThickness	EspesorDeParedDelRamal	fcWallThicknessValue	range	The wall thickness of the branch pipe.	Double	8	Tee	fcWallThicknessValue
Minimum value	Minimum value		0					Unknown
Maximum value	Maximum value		1,5					Unknown (Verified)
ScraperBars	ScraperBars	gnYesNo	coded values	(required APDM domain) – Indicates if the branch has scraper bars to prevent structural interference with inline pigging devices. The gnYesNo domain is considered a 'core' APDM domain and must be implemented verbatim.	Text	50	Tee	gnYesNo
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Yes		Yes						Yes
No		No						No
TeeSize	TamañoDeTe	fcTeeSize	coded values	The diameters of the main and branch pipes (e.g., 12x12x4, 6x6x2).	Text	50	Tee	fcTeeSize
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
2x2x1		2x2x1						2x2x1
3x3x3		3x3x3						3x3x3
3x3x2		3x3x2						3x3x2
3x3x1		3x3x1						3x3x1
4x4x4		4x4x4						4x4x4
4x4x3		4x4x3						4x4x3
4x4x2		4x4x2						4x4x2
6x6x6		6x6x6						6x6x6
6x6x4		6x6x4						6x6x4
6x6x3		6x6x3						6x6x3
8x8x8		8x8x8						8x8x8
8x8x6		8x8x6						8x8x6
8x8x4		8x8x4						8x8x4
10x10x10		10x10x10						10x10x10
10x10x8		10x10x8						10x10x8
10x10x6		10x10x6						10x10x6
10x10x4		10x10x4						10x10x4
10x10x3		10x10x3						10x10x3
12x12x12		12x12x12						12x12x12
12x12x10		12x12x10						12x12x10
12x12x8		12x12x8						12x12x8
12x12x6		12x12x6						12x12x6
12x12x4		12x12x4						12x12x4
16x16x16		16x16x16						16x16x16
16x16x12		16x16x12						16x16x12
16x16x10		16x16x10						16x16x10
16x16x8		16x16x8						16x16x8
16x16x6		16x16x6						16x16x6
20x20x20		20x20x20						20x20x20
20x20x16		20x20x16						20x20x16
20x20x12		20x20x12						20x20x12
20x20x10		20x20x10						20x20x10
20x20x8		20x20x8						20x20x8

22x22x22		22x22x22						22x22x22
22x22x20		22x22x20						22x22x20
22x22x16		22x22x16						22x22x16
22x22x12		22x22x12						22x22x12
22x22x10		22x22x10						22x22x10
24x24x24		24x24x24						24x24x24
24x24x22		24x24x22						24x24x22
24x24x20		24x24x20						24x24x20
24x24x16		24x24x16						24x24x16
24x24x12		24x24x12						24x24x12
24x24x10		24x24x10						24x24x10
30x30x30		30x30x30						
30x30x24		30x30x24						
30x30x22		30x30x22						
30x30x20		30x30x20						
30x30x16		30x30x16						
30x30x12		30x30x12						
30x30x10		30x30x10						
32x32x32		32x32x32						
32x32x30		32x32x30						
32x32x24		32x32x24						
32x32x22		32x32x22						
32x32x20		32x32x20						
32x32x16		32x32x16						
32x32x12		32x32x12						
32x32x10		32x32x10						
36x36x36		36x36x36						
36x36x32		36x36x32						
36x36x30		36x36x30						
36x36x24		36x36x24						
36x36x22		36x36x22						
36x36x20		36x36x20						
36x36x16		36x36x16						
36x36x12		36x36x12						
36x36x10		36x36x10						
TeeType	TipoDeTe	fcTeeType	coded values	The type of tee (e.g., split, stopple, barrel, reducing).	Text	50	Tee	fcTeeType
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Barrel Tee		Barrel Tee						Barrel Tee
Discharge Tee		Discharge Tee						Discharge Tee
Enlarging Tee		Enlarging Tee						Enlarging Tee
Reducing Tee		Reducing Tee						Reducing Tee
Split Tee		Split Tee						Split Tee
Stoppie Tee		Stoppie Tee						Stoppie Tee
Straight Tee		Straight Tee						Straight Tee
Weld Tee		Weld Tee						Weld Tee
Closure	Terminal	Facilities		The Closure feature class represents the terminus or endpoint of a pipeline. A closure is designed to interrupt (and typically contain) pressurized flow at the end of a pipe segment.	Point			
Remarks	Comentarios			Open field used for comments, remarks, or notes about the object.	Text	255	Closure	
InstallationDate	FechaDeInstalacion			The date a piece of equipment is installed. InstallationDate is important for risk analysis.	Date/Time	8	Closure	
InServiceDate	FechaEnServicio			Represents the date a piece of equipment is actually put in service and is used primarily for accounting purposes. Note that the InServiceDate date may be later than the installation date.	Date/Time	8	Closure	
Station	Progresiva			A station value (i.e. measure) along a station series used to position and locate the point feature.	Double	8	Closure	
DateManufactured	FechaDeFabricacion			The date the fitting or facility was manufactured.	Date/Time	8	Closure	
GradeLabel	Grado	fcGradeLabel	coded values	Grade refers to the chemical composition of the steel used to manufacture the pipe. Grade A (less carbon) has lower strength, but higher ductility; Grade B (more carbon) is higher strength, but less ductile.	Text	50	Closure	fcGradeLabel
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
SMYS Grade A		SMYS Grade A						SMYS Grade A
SMYS Grade B		SMYS Grade B						SMYS Grade B
SMYS 24 ksi		SMYS 24 ksi						SMYS 24 ksi
SMYS 25 ksi		SMYS 25 ksi						SMYS 25 ksi
SMYS 30 ksi		SMYS 30 ksi						SMYS 30 ksi
SMYS 35 ksi		SMYS 35 ksi						SMYS 35 ksi
SMYS 40 ksi		SMYS 40 ksi						SMYS 40 ksi
SMYS 41 ksi		SMYS 41 ksi						SMYS 41 ksi
SMYS 42 ksi		SMYS 42 ksi						SMYS 42 ksi
SMYS 44 ksi		SMYS 44 ksi						SMYS 44 ksi
SMYS 45 ksi		SMYS 45 ksi						SMYS 45 ksi
SMYS 46 ksi		SMYS 46 ksi						SMYS 46 ksi
SMYS 48 ksi		SMYS 48 ksi						SMYS 48 ksi
SMYS 52 ksi		SMYS 52 ksi						SMYS 52 ksi
SMYS 56 ksi		SMYS 56 ksi						SMYS 56 ksi
SMYS 60 ksi		SMYS 60 ksi						SMYS 60 ksi
SMYS 62 ksi		SMYS 62 ksi						SMYS 62 ksi
SMYS 65 ksi		SMYS 65 ksi						SMYS 65 ksi
SMYS 70 ksi		SMYS 70 ksi						SMYS 70 ksi
SMYS 80 ksi		SMYS 80 ksi						SMYS 80 ksi
SMYS 90 ksi		SMYS 90 ksi						SMYS 90 ksi
InletConnectionType	TipoDeConexionEntrada	fcConnectionType	coded values	The inlet connection type (e.g. weld, thread).	Text	50	Closure	fcConnectionType

Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Composite Fabrication		Composite Fabrication						Composite Fabrication
Coupling		Coupling						Coupling
Cylinder Coupling		Cylinder Coupling						Cylinder Coupling
Flanged End		Flanged End						Flanged End
Plain End		Plain End						Plain End
Ring Type Joint End		Ring Type Joint End						Ring Type Joint End
Screwed End		Screwed End						Screwed End
Socket Weld		Socket Weld						Socket Weld
Welded End		Welded End						Welded End
InletDiameter	DiametroDeEntrada	fcDiameter	coded values	The diameter of the inlet opening.	Text	50	Closure	fcDiameter
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
1"		1"						1"
2"		2"						2"
3"		3"						3"
4"		4"						4"
6"		6"						6"
8"		8"						8"
10"		10"						10"
12"		12"						12"
14"		14"						14"
16"		16"						16"
18"		18"						18"
20"		20"						20"
22"		22"						22"
24"		24"						24"
30"		30"						30"
32"		32"						30"
36"		36"						36"
InletWallThickness	EspesorDeParedDeEntrada	fcWallThicknessValue	range	The wall thickness around the inlet opening.	Double	8	Closure	fcWallThicknessValue
Minimum value	Minimum value		0					Unknown
Maximum value	Maximum value		1,5					Unknown (Verified)
Manufacturer	Fabricante	fcFittingManufacturer	coded values	The manufacturer of the fitting.	Text	50	Closure	fcFittingManufacturer
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
ACME-Newport Steel Co.		ACME-Newport Steel Co.						ACME-Newport Steel Co.
American Steel Pipe		American Steel Pipe						American Steel Pipe
Bethlehem Steel Co.		Bethlehem Steel Co.						Bethlehem Steel Co.
Ipsco Steel (Canada)		Ipsco Steel (Canada)						Ipsco Steel (Canada)
Mueller		Mueller						Mueller
Newport Steel		Newport Steel						Newport Steel
Pittsburgh Steel Co.		Pittsburgh Steel Co.						Pittsburgh Steel Co.
Stelco		Stelco						Stelco
Taylor Forge Pipe Works		Taylor Forge Pipe Works						Taylor Forge Pipe Works
US Steel		US Steel						US Steel
Material	Material	fcMaterial	coded values	The material from which the fitting is made (e.g. PVC, steel).	Text	50	Closure	fcMaterial
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Concrete		Concrete						Concrete
PVC		PVC						PVC
Steel		Steel						Steel
PressureRating	RangoDePresion	fcPressureRating	coded values	(required APDM domain) – The pressure rating of the structure. The fcPressureRating domain is considered a 'core' APDM domain and must be implemented verbatim.	Text	50	Closure	fcPressureRating
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
API WOG 150 PSI		API WOG 150 PSI						API WOG 150 PSI
API WOG 275 PSI		API WOG 275 PSI						API WOG 275 PSI
API WOG 300 PSI		API WOG 300 PSI						API WOG 300 PSI
API WOG 400 PSI		API WOG 400 PSI						API WOG 400 PSI
API WOG 500 PSI		API WOG 500 PSI						API WOG 500 PSI
API WOG 600 PSI		API WOG 600 PSI						API WOG 600 PSI
API WOG 700 PSI		API WOG 700 PSI						API WOG 700 PSI
API WOG 720 PSI		API WOG 720 PSI						API WOG 720 PSI
API WOG 800 PSI		API WOG 800 PSI						API WOG 800 PSI
API WOG 850 PSI		API WOG 850 PSI						API WOG 850 PSI
API WOG 900 PSI		API WOG 900 PSI						API WOG 900 PSI
API WOG 950 PSI		API WOG 950 PSI						API WOG 950 PSI
API WOG 960 PSI		API WOG 960 PSI						API WOG 960 PSI
API WOG 980 PSI		API WOG 980 PSI						API WOG 980 PSI
API WOG 1000 PSI		API WOG 1000 PSI						API WOG 1000 PSI
API WOG 1500 PSI		API WOG 1500 PSI						API WOG 1500 PSI
API WOG 2000 PSI		API WOG 2000 PSI						API WOG 2000 PSI
API WOG 3000 PSI		API WOG 3000 PSI						API WOG 3000 PSI
API WOG 5000 PSI		API WOG 5000 PSI						API WOG 5000 PSI
API WOG 10000 PSI		API WOG 10000 PSI						API WOG 10000 PSI
API WOG 15000 PSI		API WOG 15000 PSI						API WOG 15000 PSI
API WOG 20000 PSI		API WOG 20000 PSI						API WOG 20000 PSI
Specification	Especificacion	fcSpecificationClosure	coded values	The machine specification of the fitting (e.g. ANSI, API 5).	Text	50	Closure	fcSpecification
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
ANSI		ANSI						ANSI
API 5		API 5						API 5
API SLX		API SLX						API SLX
API 6A		API 6A						API 6A
ASME B16.20		ASME B16.20						ASME B16.20
ASTM A105		ASTM A105						ASTM A105
AWWA C207-55		AWWA C207-55						AWWA C207-55
DOT 195		DOT 195						DOT 195

Grade A		Grade A						Grade A
Grade B		Grade B						Grade B
MSS SP 42		MSS SP 42						MSS SP 42
NACE RP-0172		NACE RP-0172						NACE RP-0172
OSHA		OSHA						OSHA
SSPC		SSPC						SSPC
ClosureType	TipoDeCierre	fcClosureType	coded values	The type of closure (e.g., blind flange, hinged, plug).	Text	50	Closure	fcClosureType
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Blind Flange		Desconocido						Unknown
Hinged Closure		Blind Flange						Blind Flange
Mechanical Plug		Hinged Closure						Hinged Closure
Weld Cap		Mechanical Plug						Mechanical Plug
Welded Flange		Weld Cap						Weld Cap
Yale Cap		Welded Flange						Welded Flange
Stopper		Yale Cap						Yale Cap
		Stopper						Stopper
ControlPoint	Topografia	CenterLine		The Closure feature class represents the terminus or endpoint of a pipeline. A closure is designed to interrupt (and typically contain) pressurized flow at the end of a pipe segment.	Point			
Remarks	Comentarios				Text	255	ControlPoint	
LineName	NombreDelDucto				Text	255	LineLoop	
	NombreDelProyecto				Text	255		
	CodigoDeJunta				Text	255		
	ZonaGeografica			Por defecto 20S	Text	255		
POINT_X	x_loc			The original x location of the point.	Double		GeoMetaData	
POINT_Y	y_loc			The original y location of the point.	Double		GeoMetaData	
FeatureElevation	ElevacionDelDucto			Depth of a pipeline feature below ground surface.	Double		ElevationPoint	
GroundElevation	ElevacionDelTerreno			Elevation of the ground at a specific location.	Double		ElevationPoint	
StationValue	Progresiva			The known station value (measure) along a station series at the control point location. The stationing value assigned to the control point.	Double		ControlPoint	
MeasureValue	ProgresivaDesarrollada			A station value (i.e. measure) along a station series used to position and locate the point feature.	Double		ControlPoint	
	LatitudGrados				Double	8		
	LatitudMinutos				Double	8		
	LatitudSegundos			4 Decimales	Double	8		
	LongitudGrados				Double	8		
	LongitudMinutos				Double	8		
	LongitudSegundos			4 Decimales	Double	8		
LineFunction	TipoDeTuberia	clLineFunction	coded values	(required APDM domain) – The function the pipe segment performs (e.g., kicker, interconnect, lateral).	Text	50	LineLoop	
Unknown (Verified)		Desconocido (Verificado)						
Unknown		Desconocido						
Blowoff		Blowoff						
Bypass		Bypass						
Crossover		Crossover						
Design Phase - No Pipe		Design Phase - No Pipe						
Header (Trunk)		Header (Trunk)						
Interconnect		Interconnect						
Lateral		Lateral						
Launcher		Launcher						
Kicker		Kicker						
Mainline		Mainline						
Receiver		Receiver						
Storage Line		Storage Line						
Tap Line		Tap Line						
Well Line		Well Line						
Valve	Valvula	Facilities		The Valve feature class contains information describing manufactured, pressurized fittings used to control or impede flow of product through a pipeline system. Valves provide the control structure for the pipeline system and are often connected to the SCADA monitoring system for a pipeline. Valve features are often part of a generalized pipeline network used for capacity, flow, and hydraulic analyses. Valves describe the inlet and outlet connection and diameter and wall thickness information of the connection input and output pipe features. The pipes that run along a single, unaltered (no station equations) station series contain starting and ending values. The Valve feature class has a relationship with the ValveOperator object class which models that zero or more operator types may be used to operate a valve feature.	Point			
Remarks	Comentarios			Open field used for comments, remarks, or notes about the object.	Text	255	Valve	
InstallationDate	FechaDeInstalacion			The date a piece of equipment is installed. InstallationDate is important for risk analysis.	Date/Time	8	Valve	
InServiceDate	FechaEnServicio			Represents the date a piece of equipment is actually put in service and is used primarily for accounting purposes. Note that the InServiceDate date may be later than the installation date.	Date/Time	8	Valve	
Station	Progresiva			A station value (i.e. measure) along a station series used to position and locate the point feature.	Double	8	Valve	

Automated	Automatizado	gnYesNo	coded values	(required APDM domain) – Indicates if the valve automatically opens or closes in certain circumstances. The gnYesNo domain is considered a 'core' APDM domain and must be implemented verbatim.	Text	50	Valve	gnYesNo
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Yes		Yes						No
No		No						No
InletConnectionType	TipoDeConexionEntrada	fcValveConnectionType	coded values	The inlet connection type (e.g. weld, thread).	Text	50	Valve	fcValveConnectionType
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Soldadura		Soldadura						Weld
Socket		Socket						Socket
Rosca		Rosca						Thread
Perno		Perno						Screw
Flange		Flange						Flange
InletDiameter	DiametroDeEntrada	fcDiameter	coded values	The diameter of the inlet opening.	Text	50	Valve	fcDiameter
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
1"		1"						1"
2"		2"						2"
3"		3"						3"
4"		4"						4"
6"		6"						6"
8"		8"						8"
10"		10"						10"
12"		12"						12"
14"		14"						14"
16"		16"						16"
18"		18"						18"
20"		20"						20"
22"		22"						22"
24"		24"						24"
30"		30"						30"
32"		32"						32"
36"		36"						36"
Manufacturer	Fabricante	fcValveManufacturer	coded values	The valve manufacturer.	Text	50	Valve	fcValveManufacturer
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
AGCO		AGCO						AGCO
Armstrong Machine Works		Armstrong Machine Works						Armstrong Machine Works
Cameron		Cameron						Cameron
Grove Valve and Regulator Co.		Grove Valve and Regulator Co.						Grove Valve and Regulator Co.
Mueller Co.		Mueller Co.						Mueller Co.
Nordstrom		Nordstrom						Nordstrom
Reynolds		Reynolds						Reynolds
Rockwell		Rockwell						Rockwell
Tyler		Tyler						Tyler
U.S. Brass Corp.		U.S. Brass Corp.						U.S. Brass Corp.
Westcott		Westcott						Westcott
Wheatley Gaso, Inc.		Wheatley Gaso, Inc.						Wheatley Gaso, Inc.
NormalPosition	PosicionNormal	gnPresentPosition	coded values	The normal position the valve is set to (Open/Closed).	Text	50	Valve	gnPresentPosition
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Abierta		Abierta						Open
Cerrada		Cerrada						Closed
OutletConnectionType	TipoDeConexionSalida	fcValveConnectionType	coded values	The type of connection at the outlet.	Text	50	Valve	fcValveConnectionType
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Weld		Soldadura						Weld
Socket		Socket						Socket
Thread		Rosca						Thread
Screw		Perno						Screw
Flange		Flange						Flange
OutletDiameter	DiametroDeSalida	fcDiameter	coded values	(required APDM domain) – The diameter of the pipe connected to the valve outlet. The fcDiameter domain is considered a 'core' APDM domain and must be implemented verbatim.	Text	50	Valve	fcDiameter
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
1"		1"						1"
2"		2"						2"
3"		3"						3"
4"		4"						4"
6"		6"						6"
8"		8"						8"
10"		10"						10"
12"		12"						12"
14"		14"						14"
16"		16"						16"
18"		18"						18"
20"		20"						20"
22"		22"						22"
24"		24"						24"
30"		30"						30"
32"		32"						32"
36"		36"						36"
PresentPosition	PosicionActual	gnPresentPosition	coded values	The normal position the valve is set to (Open/Closed).	Text	50	Valve	gnPresentPosition
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown



Open		Abierta						Open
Closed		Cerrada						Closed
PressureRating	RangoDePresion	fcPressureRating	coded values	(required APDM domain) – The pressure rating of the structure. The fcPressureRating domain is considered a 'core' APDM domain and must be implemented verbatim.	Text		50 Valve	fcPressureRating
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
API WOG 150 PSI		API WOG 150 PSI						API WOG 150 PSI
API WOG 275 PSI		API WOG 275 PSI						API WOG 275 PSI
API WOG 300 PSI		API WOG 300 PSI						API WOG 300 PSI
API WOG 400 PSI		API WOG 400 PSI						API WOG 400 PSI
API WOG 500 PSI		API WOG 500 PSI						API WOG 500 PSI
API WOG 600 PSI		API WOG 600 PSI						API WOG 600 PSI
API WOG 700 PSI		API WOG 700 PSI						API WOG 700 PSI
API WOG 720 PSI		API WOG 720 PSI						API WOG 720 PSI
API WOG 800 PSI		API WOG 800 PSI						API WOG 800 PSI
API WOG 850 PSI		API WOG 850 PSI						API WOG 850 PSI
API WOG 900 PSI		API WOG 900 PSI						API WOG 900 PSI
API WOG 950 PSI		API WOG 950 PSI						API WOG 950 PSI
API WOG 960 PSI		API WOG 960 PSI						API WOG 960 PSI
API WOG 980 PSI		API WOG 980 PSI						API WOG 980 PSI
API WOG 1000 PSI		API WOG 1000 PSI						API WOG 1000 PSI
API WOG 1500 PSI		API WOG 1500 PSI						API WOG 1500 PSI
API WOG 2000 PSI		API WOG 2000 PSI						API WOG 2000 PSI
API WOG 3000 PSI		API WOG 3000 PSI						API WOG 3000 PSI
API WOG 5000 PSI		API WOG 5000 PSI						API WOG 5000 PSI
API WOG 10000 PSI		API WOG 10000 PSI						API WOG 10000 PSI
API WOG 15000 PSI		API WOG 15000 PSI						API WOG 15000 PSI
API WOG 20000 PSI		API WOG 20000 PSI						API WOG 20000 PSI
ValveFunction	FuncionDeLaValvula	fcValveFunction	coded values	The function that the valve performs (e.g., check, release, main line).	Text		50 Valve	fcValveFunction
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Blowoff (Relief)		Blowoff (Relief)						Blowoff (Relief)
Check		Check						Check
Drip		Drip						Drip
Fire Gate		Fire Gate						Fire Gate
Mainline		Mainline						Mainline
Regulator		Regulator						Regulator
Side		Side						Side
Tie Over		Tie Over						Tie Over
ValveNumber	TAG			An organizational number assigned to the valve.	Text		15 Valve	
OperatorType	TipoDeOperador	fcValveOperatorType	coded values	The operator used to open/close the valve (e.g., gas, manual, electric).	Text		50 ValveOperator	fcValveOperatorType
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Electric		Electric						Electric
Gas		Gas						Gas
Gear		Gear						Gear
Hydraulic		Hydraulic						Hydraulic
Manual		Manual						Manual
Pneumatic		Pneumatic						Pneumatic
Pressure		Pressure						Pressure
Spring		Spring						Spring
None		None						None
ANSI	ANSI	fcValveANSI	coded values		Text		50	fcValveANSI
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
	300		300					300
	600		600					600
	900		900					900
	1500		1500					1500
ValveType	TipoDeValvula	fcValveType	coded values	The Valve Type	Text		50	fcValveANSI
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Angle Valve		Angle Valve						Angle Valve
Ball Valve		Ball Valve						Ball Valve
Block Valve		Block Valve						Block Valve
Check Valve		Check Valve						Check Valve
Control Valve		Control Valve						Control Valve
Curb Valve		Curb Valve						Curb Valve
Gate Valve		Gate Valve						Gate Valve
Plug Valve		Plug Valve						Plug Valve
Globe Valve		Globe Valve						Globe Valve
OnLineValve	ValvulaDeLinea	gnYesNo	Coded Values	(required APDM domain) – Indicates if the valve automatically opens or closes in certain circumstances. The gnYesNo domain is considered a 'core' APDM domain and must be implemented verbatim.	Text		50 Valve	
		Unknown (Verified)						
		Unknown						
	Si	Yes						
	No	No						

PipeJoinMethod	Welding Map	Facilities		The Valve feature class contains information describing manufactured, pressurized fittings used to control or impede flow of product through a pipeline system. Valves provide the control structure for the pipeline system and are often connected to the SCADA monitoring system for a pipeline. Valve features are often part of a generalized pipeline network used for capacity, flow, and hydraulic analyses. Valves describe the inlet and outlet connection and diameter and wall thickness information of the connection input and output pipe features. The pipes that run along a single, unaltered (no station equations) station series contain starting and ending values. The Valve feature class has a relationship with the ValveOperator object class which models that zero or more operator types may be used to operate a valve feature.	Point			
	NombreDelDucto				Text		255	
	Elemento				Text		255	
NominalDiameter	DiametroNominal	fcDiameter	coded values	(required APDM domain) – The diameter of the pipe. The fcDiameter domain is considered a core APDM domain and must be implemented verbatim.	Text		50	PipeSegment NominalDiameter
Unknown (Verified)		Desconocido (Verificado)						
Unknown		Desconocido						
1"		1"						
2"		2"						
3"		3"						
4"		4"						
6"		6"						
8"		8"						
10"		10"						
12"		12"						
14"		14"						
16"		16"						
18"		18"						
20"		20"						
22"		22"						
24"		24"						
30"		30"						
32"		32"						
36"		36"						
Measure	CodigoDeJunta			El codigo de la Junta	Text		255	
	ProgresivaDesarrollada			La progresiva desarrollada del Ducto (2 decimales)	Double			PipeJoinMethod
	EstadoDelDucto	wmStatus	coded values	El Estado del Ducto	Text		50	
Unknown (Verified)		Desconocido (Verificado)						
Unknown		Desconocido						
Línea Regular		Línea Regular						
Cruce Camino		Cruce Camino						
Cruce Quebrada		Cruce Quebrada						
Cruce Via Ferrea		Cruce Via Ferrea						
Cruce Ducto		Cruce Ducto						
TipoDeBisel	TipoDeBisel	wmTipoJunta	coded values	Los diferentes tipos de Juntas	Text		50	
Unknown (Verified)		Desconocido (Verificado)						
Unknown		Desconocido						
Tipo en V		Tipo en V						
Tipo en X		Tipo en X						
JoinType	JoinType	fcJointCouplingType	coded values		Text		50	PipeJoinMethod fcJointCouplingType
Unknown (Verified)		Unknown (Verified)						
Unknown		Unknown						
Dresser Coupling		Dresser Coupling						
Style 39		Style 39						
Style 40		Style 40						
JoinType	JoinType	fcJointEStopType	coded values		Text		50	PipeJoinMethod fcJointEStopType
Unknown (Verified)		Unknown (Verified)						
Unknown		Unknown						
Electro Stop		Electro Stop						
JoinType	JoinType	fcJointFlangeType	coded values		Text		50	PipeJoinMethod fcJointFlangeType
Unknown (Verified)		Unknown (Verified)						
Unknown		Unknown						
Raised Face		Raised Face						
Flat Face		Flat Face						
Lap		Lap						
Ring Joint		Ring Joint						
Slip		Slip						
JoinType	JoinType	fcJointScrewType	coded values		Text		50	PipeJoinMethod fcJointScrewType
Unknown (Verified)		Unknown (Verified)						
Unknown		Unknown						
Screw		Screw						
Thread		Thread						
JoinType	JoinType	fcWeldType	coded values		Text		50	PipeJoinMethod fcWeldType
Unknown (Verified)		Unknown (Verified)						
Unknown		Unknown						
Acetylene Weld		Acetylene Weld						
Automatic Electric Weld		Automatic Electric Weld						
Butt Weld		Butt Weld						
Dresser Coupled - Acetylene Weld		Dresser Coupled - Acetylene Weld						
Fillet Weld		Fillet Weld						
Manual Arc Weld		Manual Arc Weld						
Manual Electric Weld		Manual Electric Weld						
Pressure Weld		Pressure Weld						

SEW w/ Dresser Coupled Joint		SEW w/ Dresser Coupled Joint						
Solid Electric Weld		Solid Electric Weld						
Threaded Mechanical Coupling		Threaded Mechanical Coupling						
	InformeEvaluacionVisual			El informe de inspección visual	Text	255		
	FechaEvaluacionVisual			La fecha de inspección visual	Date/Time	8		
	EvaluacionVisual	wmEvaluacion	coded values	La evaluación de inspección visual	Text	50		
Unknown (Verified)		Desconocido (Verificado)						
Unknown		Desconocido						
Aprobado		Aprobado						
Reprobado		Reprobado						
	Pase1Derecha			Pase 1 Lado izquierdo codigo de soldador	Long Integer	4		
	Pase1Izquierda			Pase 1 Lado derecho codigo de soldador	Long Integer	4		
	Pase2Derecha			Pase 2 Lado izquierdo codigo de soldador	Long Integer	4		
	Pase2Izquierda			Pase 2 Lado derecho codigo de soldador	Long Integer	4		
	Pase3Derecha			Pase 3 Lado izquierdo codigo de soldador	Long Integer	4		
	Pase3Izquierda			Pase 3 Lado derecho codigo de soldador	Long Integer	4		
	Pase4Derecha			Pase 4 Lado izquierdo codigo de soldador	Long Integer	4		
	Pase4Izquierda			Pase 4 Lado derecho codigo de soldador	Long Integer	4		
	Pase5Derecha			Pase 5 Lado izquierdo codigo de soldador	Long Integer	4		
	Pase5Izquierda			Pase 5 Lado derecho codigo de soldador	Long Integer	5		
	Pase6Derecha			Pase 6 Lado izquierdo codigo de soldador	Long Integer	4		
	Pase6Izquierda			Pase 6 Lado derecho codigo de soldador	Long Integer	4		
	NumeroInformeEPS			Numero de informe de procedimiento de soldadura	Text	255		
	PorcentajeRx			Porcentaje de radiografia	Double	8		
	InformeEND			Ensayos no destructivo	Text	255		
	FechaEND			Fecha de ensayo no destructivo	Date/Time	8		
	EvaluacionEND	wmEvaluacion	coded values	Evaluacion de ensayo no destructivo	Text	50		
Unknown (Verified)		Desconocido (Verificado)						
Unknown		Desconocido						
Aprobado		Aprobado						
Reprobado		Reprobado						
	TipoEND	wmTipoEnd	coded values	Tipo de ensayo no destructivo	Text	50		
Unknown (Verified)		Desconocido (Verificado)						
Unknown		Desconocido						
Radiografia		Radiografia						
Ultrasonido		Ultrasonido						
Gammaografia		Gammaografia						
TintasPenetrantes		TintasPenetrantes						
	Defecto			Tipo de defecto del tubo	Text	255		
	UbicacionDelDefecto			Localización horaria del defecto	Long Integer	4		
	EspecialistaRx			El nombre del especialista de RX	Text	255		
	NumeroDeTubo			Numero de tubo	Text	255		
	CodigoDeTubo			codigo de fabrica del tubo	Text	255		
	Colada			Es el lote de la tubería	Text	255		
	LongitudDeTubo			Longitud de la tubería	Double			
	Espesor			Espesor de la tubería	Double			
	TipoDeCurvado	wmTipoDoblado	coded values	Tipo de curvado de la tubería	Text	50		
Unknown (Verified)		Desconocido (Verificado)						
Unknown		Desconocido						
SAG		SAG						
OVER		OVER						
LT		LT						
RT		RT						
		SAG - LT						
		SAG - RT						
		OVER - LT						
		OVER - RT						
	GradoDeCurvado1			Es el grado de curvado de la tubería	Double			
	GradoDeCurvado2			Es el grado de curvado de la tubería	Double			
LongitudinalSeam	CosturaLongitudinal	fcLongitudinalWeld	coded values	The type of weld used along the length of the pipes that form the pipe segment.	Text	50	PipeSegment	fcLongitudinalWeld
Unknown (Verified)		Desconocido (Verificado)						Unknown (Verified)
Unknown		Desconocido						Unknown
Continuous Butt Weld		Continuous Butt Weld						Continuous Butt Weld
Double Submerged Arc Weld		Double Submerged Arc Weld						Double Submerged Arc Weld
Electric Fusion Weld		Electric Fusion Weld						Electric Fusion Weld
Electric Weld		Electric Weld						Electric Weld
Electric Resistance Weld		Electric Resistance Weld						Electric Resistance Weld
Electric Resistance Weld - High Frequency		Electric Resistance Weld - High Frequency						Electric Resistance Weld - High Frequency
Electric Resistance Weld - Low Frequency		Electric Resistance Weld - Low Frequency						Electric Resistance Weld - Low Frequency
Flash Butt Weld		Flash Butt Weld						Flash Butt Weld
Lap Weld		Lap Weld						Lap Weld
Magnetic Arc Weld		Magnetic Arc Weld						Magnetic Arc Weld
Seamless Weld		Seamless Weld						Seamless Weld
Single Submerged Arc Weld		Single Submerged Arc Weld						Single Submerged Arc Weld
Submerged Arc Weld		Submerged Arc Weld						Submerged Arc Weld
Spiral Weld		Spiral Weld						Spiral Weld
	FechaFabricacionTubo			La fecha de fabricación del tubo	Date/Time	8		
	Gammaografia							
	TintasPenetrantes							
	observacion			El supervisor ingresa sus observaciones	Text	255		
SubTypeCD	SubTypeCD			The subtype field.	Long Integer	4	PipeJoinMethod	
	1 Weld		1					Weld
	2 Coupling		2					Coupling
	3 Flange		3					Flange
	4 Screw		4					Screw
	5 Electro Stop		5					Electro Stop

Site	Sitio	Centerline		The Site feature class is designed to store the polygonal boundaries of the various stations and other properties housing facilities owned by a pipeline company. Site features might be used to define the boundaries of properties, easements, temporary work areas, and large pipeline complexes such as meter stations, compressor stations, refineries, custody transfer stations, and valve stations. Site features may also be used to demarcate the limit of stationed pipes and non-stationed pipes.	Polygon			
Remarks	Comentarios			Open field used for comments, remarks, or notes about the object.	Text	255	Site	
InstallationDate	FechaDeInstalacion			The date a piece of equipment is installed. InstallationDate is important for risk analysis.	Date/Time	8	Site	
InServiceDate	FechaEnServicio			Represents the date a piece of equipment is actually put in service and is used primarily for accounting purposes. Note that the InServiceDate date may be later than the installation date.	Date/Time	8	Site	
SiteName	NombreDelSitio	opSiteType	coded values	The name of the site.	Text	45	Site	
SiteType	TipoDeSitio			The type of site contained within the boundary (e.g., meter station, compressor station)	Text	50	Site	opSiteType
Unknown (Verified)		Desconocido (Verificado)						
Unknown		Desconocido						
Check Meter Station		Check Meter Station						
Compressor Station		Compressor Station						
Corrosion Station		Corrosion Station						
Custody Transfer Station		Custody Transfer Station						
Drip Site		Drip Site						
Junction		Junction						
Mercury Site		Mercury Site						
Meter Station		Meter Station						
Odorant Station		Odorant Station						
Office		Office						
PCB Site		PCB Site						
Permanent Easement		Permanent Easement						
Plant		Plant						
Regulator Station		Regulator Station						
Storage Area		Storage Area						
Temporary Easement		Temporary Easement						
Town Border Station		Town Border Station						
Valve Station		Valve Station						
Warehouse		Warehouse						
Pump Station		Pump Station						