

Anexo 3 - Estructura de la Geodatabase

Rev. 2

| Variable | Aplicacion | dominio | tipo | descripcion | 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" | | | | | | |
| 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 |
| 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) | | | | | | Unknown (Verified) |
| Unknown | | Desconocido | | | | | | Unknown |
| Bayou | | Arroyo | | | | | | Bayou |
| Canal | | Canal | | | | | | Canal |
| Creek | | Quebrada | | | | | | Creek |
| Ditch | | Zanja | | | | | | Ditch |
| Drain | | Drenaje | | | | | | Drain |
| Drain Tile | | | | | | | | Drain Tile |
| Fence | | Cerco o muro | | | | | | Fence |
| Lake | | Lago o laguna | | | | | | Lake |
| Levee | | Atajado | | | | | | Levee |
| River | | Rio | | | | | | River |
| Sidewalk | | Acera | | | | | | Sidewalk |
| Waterline | | Ribera | | | | | | Waterline |
| CrossingType | TipoDeCruce | enLCUtility | coded values | The type of line crossing based on the line crossing subtype (e.g., road, river). | Text | | 50 | LineCrossing |
| 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 | | Telephone Line | | | | | | Telephone Line |
| Waterline | | Red de agua | | | | | | Waterline |
| Underground Cable (Conduit) | | Linea enterrada | | | | | | Underground Cable (Conduit) |
| CrossingType | TipoDeCruce | enLCTransportation | coded values | The type of line crossing based on the line crossing subtype (e.g., road, river). | Text | | 50 | LineCrossing |
| Unknown (Verified) | | Desconocido (Verificado) | | | | | | Unknown (Verified) |
| Unknown | | Desconocido | | | | | | Unknown |
| Black Top Road | | Camino asfaltado | | | | | | Black Top Road |
| Culvert | | Canal cubierto | | | | | | Culvert |
| Driveway | | Calle | | | | | | Driveway |
| Gravel Road | | Camino Empedrado | | | | | | Gravel Road |
| Highway | | Carretera departamental | | | | | | Highway |
| Interstate Highway | | Carretera nacional | | | | | | Interstate Highway |
| Landing Strip | | Pista de aterrizaje | | | | | | Landing Strip |
| Railroad | | FFCC | | | | | | Railroad |
| Road | | Carretera municipal | | | | | | Road |
| Sidewalk | | Acera | | | | | | Sidewalk |
| EasementWidth | AnchoDeServidumbre | | | The total easement width where the LineCrossing intersects the centerline. | Double | | 8 | LineCrossing |
| 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 | | | | | | |
| Heredero | | Heredero | | | | | | |
| 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 |
| Concreto | | Concreto | | | | | | Concrete |
| Cradle | | Cradle | | | | | | Cradle |
| Centering Cradle | | Centering Cradle | | | | | | Centering Cradle |
| Plastico | | Plastico | | | | | | 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" | | | | | 30" |
| 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 | | Línea Telefónica | | | | | | Telephone Line |
| Waterline | | Red de agua | | | | | | Waterline |
| Underground Cable (Conduit) | | Línea 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 | Double | 8 | PressureTest | |
| PreTest | PreTest | gnYesNo | coded values | (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. | 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 | opPresureTestType | coded values | The type of pressure test conducted (e.g., leak, strength, spike) | Text | 50 | PressureTest | opPresureTestType |
| 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. | 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 | |
| | OT | | | | Text | 10 | | |
| BeginStation | ProgresivaInicio | | | The station value for the beginning of an Online Polyline feature, or the station value of an Online Point feature. | Double | 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 | | Fieltro 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 | | Polietileno 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. InstallationDate is important for risk analysis. | Date/Time | 8 | PipeSegment | |
| 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 | 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 | | SMYS 90 ksi | | | | | | SMYS 90 ksi |
| InletWallThickness | EspesorDeParedDeEntrada | 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 | 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 | | Pedregoso | | | | | | Pedregoso |
| Limoso | | Limoso | | | | | | 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 | BarriDeTrampa | 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 | DiametroDelBaril | 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 | 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 | PigStructure | 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 |
| | | Contratista | | | | | | Contratista |
| Material | Material | fcMaterial | coded values | The material from which the fitting is made (e.g. PVC, steel). | Text | 50 | PigStructure | fcMaterial |
| 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 | 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 |
| 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 | 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 |
| StructureLength | LongitudDeBarril | | | The actual length of the structure | Double | 8 | PigStructure | fcPressureRating |
| 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. InstallationDate is important for risk analysis. | Date/Time | 8 | Elbow | |
| 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 StructureOnlineLocaton 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 | CantidadDeOcupantes | | | 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 | | | 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 | |
| | Fotografia | | | | Text | 100 | | |
| CPAnode | CPAnodo | Cathodic 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. | Text 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 | | Hierro Fundido | | | | | | Cast Iron |
| Tuberia de acero | | Tuberia de acero | | | | | | Steel Pipe |
| Riel de acero | | Riel de acero | | | | | | Steel Rail |
| Canister | | Canister | | | | | | Canister |
| Magnesio | | Magnesio | | | | | | Magnesium |
| Zinc | | Zinc | | | | | | Zinc |
| Oxido de metal mixto | | 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 |
| | Codigo_JDE | | | Codigo JDE | Text | 255 | | |
| Remarks | Comentarios | | | El supervisor ingresa sus comentarios. | Text | 255 | CPAnode | |
| InstallationDate | FechaDeInstalacion | | | The date a piece of equipment is installed. InstallationDate is important for risk analysis. | Date/Time | 8 | CPAnode | |
| ReplaceByDate | FechaDeReemplazo | | | The date by which the rectifier must be replaced. | Date/Time | 8 | CPAnode | |
| 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 | CPAnode | |
| | PosicionDelAnodo | cpAnodoPosicion | coded values | | Text | 50 | | |
| Unknown (Verified) | | Desconocido (Verificado) | | | | | | Unknown (Verified) |
| Unknown | | Desconocido | | | | | | Unknown |
| Horizontal | | Horizontal | | | | | | Horizontal |
| Vertical | | Vertical | | | | | | Vertical |
| | Profundidad | | | en metros | Double | 8 | | |
| BeginStation | 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 | Cathodic 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 |
| | Codigo_JDE | | | Codigo JDE del rectificador o del test point | Text | 255 | | |
| Remarks | Comentarios | | | Open field used for comments, remarks, or notes about the object. | Text | 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 |
| | Codigo_JDE | | | Codigo JDE del rectificador | Text | 255 | | |
| Remarks | Comentarios | | | Open field used for comments, remarks, or notes about the object. | Text | 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 | Progresivalnicio | | | 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 | Cathodic Protection | | The CPBond 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 CPBond and CPLocation shows that a bond may have one or more online locations. | Point | | | |
| | Codigo_JDE | | | Codigo JDE del rectificador | Text | 255 | | |
| Remarks | Comentarios | | | 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 | Progresivalnicio | | | 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 Eléctrica | | | | | | Continuity |
| Continuity - Foreign | | Continuidad Terceros | | | | | | Continuity - Foreign |
| CPRectifier | CPRectificador | Cathodic Protection | | The CPRectifier 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 CPCable feature can be used to provide connectivity between a rectifier and a pipe segment. The relationship between CPRectifier and CPGroundBed models that zero or more ground beds serve one rectifier. The relationship between CPRectifier and CPLocation shows that a rectifier may have one or more online locations. | Point | | | |
| | CajaConexionesNegativos | gnYesNo | coded values | Indica si existe caja de conexiones | Text | 50 | | gnYesNo |
| Unknown (Verified) | | Desconocido (Verificado) | | | | | | Unknown (Verified) |
| Unknown | | Desconocido | | | | | | Unknown |
| Yes | | Yes | | | | | | Yes |
| No | | No | | | | | | No |
| | CajaConexionesPositivos | gnYesNo | coded values | Indica si existe caja de conexiones | Text | 50 | | gnYesNo |
| Unknown (Verified) | | Desconocido (Verificado) | | | | | | Unknown (Verified) |
| Unknown | | Desconocido | | | | | | Unknown |
| Yes | | Yes | | | | | | Yes |
| No | | No | | | | | | No |
| | Codigo_JDE | | | Codigo JDE del rectificador | Text | 255 | | |
| | CodigoFijoMedidor | | | | Text | 255 | | |
| Remarks | Comentarios | | | El supervisor ingresa sus comentarios. | Text | 255 | CPRectifier | |
| | EmpresaProveeEnergia | | | | 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 |
| | NumeroCircuitosPositivos | cpRectifierPositives | coded values | Cantidad de circuitos positivos | Text | 50 | | |
| Unknown (Verified) | | Desconocido (Verificado) | | | | | | |
| Unknown | | Desconocido | | | | | | |
| | 1 | | 1 | | | | | |
| | 2 | | 2 | | | | | |
| | 3 | | 3 | | | | | |
| | 4 | | 4 | | | | | |
| | 5 | | 5 | | | | | |
| | 6 | | 6 | | | | | |
| | 7 | | 7 | | | | | |
| | NumeroCuenta | | | | Text | 255 | | |
| NumberOfAnodes | NumeroDeAnodos | | | The number of anodes serving the rectifier. | Integer | 4 | CPRectifier | |
| | NumeroMedidor | | | | Text | 255 | | |
| | NumeroSerie | | | | Text | 255 | | |
| BeginStation | 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 | | |
| | TipoRefrigeracion | cpTipoRefrigeracion | coded values | Tipo de refrigeracion | Text | 50 | | |
| Unknown (Verified) | | Desconocido (Verificado) | | | | | | |
| 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 CPTestStaton and CPLocation shows that a test station may have one or more online locations. | Point | | | |
| | Codigo_JDE | | | Codigo JDE del test point | Text | 255 | | |
| Remarks | Comentarios | | | El supervisor ingresa sus comentarios. | Text | 255 | CPTestStation | |
| InstallationDate | FechaDeInstalacion | | | The date a piece of equipment is installed. InstallationDate is important for risk analysis. | Date/Time | 8 | CPTestStation | |
| ReplaceByDate | FechaDeReemplazo | | | The date by which the rectifier must be replaced. | Date/Time | 8 | CPTestStation | |
| 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 | CPTestStation | |
| BeginStation | Progresivalnicio | | | 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 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 | | | | | | |
| 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" | | | | | | 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 | CodigoDeSeñalización | | | 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 | TipoDeSeñalización | 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 | | 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 Tap | 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" | | | | | | |
| 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" | | | | | | 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 |
| Stopple Tee | | Stopple Tee | | | | | | Stopple 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 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 |
| 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) |
| Unknown | | Desconocido | | | | | | Unknown |
| Blind Flange | | Blind Flange | | | | | | Blind Flange |

| | | | | | | | | |
|------------------------|------------------------|--------------------------|--------------|--|-----------|-----|----------------|-----------------|
| Hinged Closure | | Hinged Closure | | | | | | Hinged Closure |
| Mechanical Plug | | Mechanical Plug | | | | | | Mechanical Plug |
| Weld Cap | | Weld Cap | | | | | | Weld Cap |
| Welded Flange | | Welded Flange | | | | | | Welded Flange |
| Yale Cap | | Yale Cap | | | | | | Yale Cap |
| Stopper | | 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 | | | | | Yes |
| 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" | | | | | 30" |
| 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" | | | | | |
| 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" | | | | | | |
| | CodigoDeJunta | | | El codigo de la Junta | Text | 255 | | |
| Measure | 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 | | | | | | |
| Linea Regular | | Linea 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 |
| Unknown (Verified) | | Unknown (Verified) | | | | | fcJointScrewType |
| Unknown | | Unknown | | | | | |
| Screw | | Screw | | | | | |
| Thread | | Thread | | | | | |
| JoinType | JoinType | fcWeldType | coded values | | Text | 50 | PipeJoinMethod |
| Unknown (Verified) | | Unknown (Verified) | | | | | fcWeldType |
| 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 código de soldador | Long Integer | 4 | |
| | Pase1Izquierda | | | Pase 1 Lado derecho código de soldador | Long Integer | 4 | |
| | Pase2Derecha | | | Pase 2 Lado izquierdo código de soldador | Long Integer | 4 | |
| | Pase2Izquierda | | | Pase 2 Lado derecho código de soldador | Long Integer | 4 | |
| | Pase3Derecha | | | Pase 3 Lado izquierdo código de soldador | Long Integer | 4 | |
| | Pase3Izquierda | | | Pase 3 Lado derecho código de soldador | Long Integer | 4 | |
| | Pase4Derecha | | | Pase 4 Lado izquierdo código de soldador | Long Integer | 4 | |
| | Pase4Izquierda | | | Pase 4 Lado derecho código de soldador | Long Integer | 4 | |
| | Pase5Derecha | | | Pase 5 Lado izquierdo código de soldador | Long Integer | 4 | |
| | Pase5Izquierda | | | Pase 5 Lado derecho código de soldador | Long Integer | 5 | |
| | Pase6Derecha | | | Pase 6 Lado izquierdo código de soldador | Long Integer | 4 | |
| | Pase6Izquierda | | | Pase 6 Lado derecho código de soldador | Long Integer | 4 | |
| | NumeroInformeEPS | | | Numero de informe de procedimiento de soldadura | Text | 255 | |
| | PorcentajeRx | | | Porcentaje de radiografía | 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 | | | | | |
| Radiografía | | Radiografía | | | | | |
| Ultrasonido | | Ultrasonido | | | | | |
| Gammagrafía | | Gammagrafía | | | | | |
| 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 | | | código de fábrica 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 | CosturalLongitudinal | fcLongitudinalWeld | coded values | The type of weld used along the length of the pipes that form the pipe segment. | Text | 50 | PipeSegment |
| Unknown (Verified) | | Desconocido (Verificado) | | | | | fcLongitudinalWeld |
| Unknown | | Desconocido | | | | | Unknown (Verified) |
| Continuous Butt Weld | | Continuous Butt Weld | | | | | Unknown |
| Double Submerged Arc Weld | | Double Submerged Arc Weld | | | | | Continuous Butt Weld |
| Electric Fusion Weld | | Electric Fusion Weld | | | | | Double Submerged Arc Weld |
| Electric Weld | | Electric Weld | | | | | Electric Fusion Weld |
| Electric Resistance Weld | | Electric Resistance Weld | | | | | Electric 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 | | |
| | GammaGrafia | | | | | | | |
| | 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 | | | The name of the site. | Text | 45 | Site | |
| SiteType | TipoDeSitio | opSiteType | coded values | 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 | | | | | | |

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|---------------------|--|-------------------|--------------|---|--------------|-----|------------------|--|---|
| CISSurvey | | | | The pipe tally shall be a listing of all pipeline component features and anomaly features and be reported in accordance (including terminology) with the report structure. | Point | | OnlinePoint | | 9 |
| OBJECTID | | | | | Long Integer | 9 | [Object] | | |
| EventID | | | | Globally unique identifier. | Guid | 16 | [FeatureArchive] | | |
| GlobalID | | | | Globally unique identifier. Built-in support for replication. | Global ID | 16 | [FeatureArchive] | | |
| CreatedBy | | | | User ID of the operator who created the feature. A value is applied once to this attribute when the object is first created. CreatedBy does not change with successive updates or versions of this record representing different historical states of the object. | Text | 45 | [FeatureArchive] | | |
| CreatedDate | | | | The timestamp when the initial record for the object was created in the database. Because the CreatedDate is a database date, it does not necessarily correspond to the actual effective date of the feature or object in the real world. CreatedDate may be either earlier or later than EffectiveFromDate. In a similar manner as CreatedDate, CreatedBy does not change with successive updates or versions of this record representing different historical states of the object. | Date/Time | 8 | [FeatureArchive] | | |
| EffectiveFromDate | | | | The date a particular record in the database went into effect in the real world. This date should not be confused with the CreatedDate. The EffectiveFromDate for the initial record for a feature should correspond to either the InServiceDate or the InstallationDate for the feature. The EffectiveFromDate is modified with each successive record documenting the historical state of a feature. | Date/Time | 8 | [FeatureArchive] | | |
| EffectiveToDate | | | | The date at which a particular record in the database is no longer in effect. EffectiveToDate is modified with each successive record documenting the historical state of a feature. EffectiveToDate is null for a database record that is currently in effect. | Date/Time | 8 | [FeatureArchive] | | |
| OriginEventID | | | | The original GUID for a feature. OriginEventID is set to be equal to EventID when a feature is first created. OriginEventID does not change with successive records representing different historical states of a feature. For example, consider the EventID attribute of an online polyline once it has been split into two new features. When the parent is split all child segments of the parent feature inherit the original OriginEventID of the parent (each child segment does receive a unique EventID). | Guid | 16 | [FeatureArchive] | | |
| LastModified | | | | The timestamp for the last modification of the record in the database. LastModified is equal to the CreatedDate for the initial record of an object. The LastModified timestamp is modified with each successive record documenting the historical state of a feature. | Date/Time | 8 | [FeatureArchive] | | |
| ModifiedBy | | | | The User-ID of the operator who last modified the feature. ModifiedBy = CreatedBy for the initial record of a feature. ModifiedBy changes with each successive record representing different historical states of a feature. | Text | 45 | [FeatureArchive] | | |
| HistoricalState | | gnHistoricalState | Coded Values | Indicates whether the record represents the current state, or an historical state, of the referenced object or feature. HistoricalState is included in the model for those uCISizing 'inline' history. In such implementations, multiple historical versions of a single feature or object may be stored; the HistoricalState attribute provide a simple means of distinguishing current vs. historical records. | Text | 50 | [FeatureArchive] | | |
| ProcessFlag | | | | A catch-all field for application developers used for temporarily storing values, tags, and codes required for application processing. The field is not meant to store information on a permanent basis and should be cleared after each procedure or operation that is performed using this field. | Text | 10 | [FeatureArchive] | | |
| Remarks | | | | Open field used for comments, remarks, or notes about the object. | Text | 255 | [FeatureArchive] | | |
| RouteEventID | | | | The foreign key to the route feature class denoting the route to which the control point belongs. | Guid | 16 | OnlineFeature | | |
| CLEditResponse | | clEditResponse | Coded Values | (required APDM Domain) – Indicates how the geometry and/or stationing attributes of an online feature respond to a centerline edit such as a reroute. This attribute is further described in the section 'Feature Level Metadata'. | Text | 50 | OnlineFeature | | |
| CLValidityTolerance | | | | Indicates how far the centerline can move away from an online event feature before the event becomes 'invalid'. Expressed the distance units of the Transmission feature dataset. This attribute is further described in the section 'Feature Level Metadata'. | Double | 8 | OnlineFeature | | |
| Measure | | | | A continuous measure value along a station series used to position and locate the point feature. | Double | 8 | OnlinePoint | | |
| SeriesEventID | | | | The foreign key to the series feature class denoting the series to which the control point belongs. | Guid | 16 | OnlinePoint | | |
| Station | | | | A station value (i.e. measure) along a station series used to position and locate the point feature. | Double | 8 | OnlinePoint | | |

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|-----------------------------|-----------------------------|---------------|--------------|--|--------|----|-------------|--|----|
| Status | | gnStatus | Coded Values | (required APDM domain) – Defines the status of an object within the APDM. Status is used to describe the state of a non-facCiSty or centerline object (i.e. an object that has no operational significance or does not exist as a geographical or physical entity). The gnStatus domain is considered a core APDM domain and must be implemented using the specified values exactly as prescribed by the APDM. | Text | 50 | OnlinePoint | | |
| SymbolRotation | | gnAngle | Range | (required APDM domain) - A rotation angle from 0–360o for a point symbol (uses gnAngle domain). This allows operators to preserve rotation information for point symbols imported from external systems such as CADD. Allows all point symbols within the APDM to be rotated as needed; manually, or in relation to other features. This is used primarily for display in mapping applications such as alignment sheets. | Double | 8 | OnlinePoint | | |
| POINT_X | | | | The x location of the point. | Double | 8 | OnlinePoint | | |
| POINT_Y | | | | The y location of the point. | Double | 8 | OnlinePoint | | |
| POINT_Z | | | | The z location of the point. | Double | 8 | OnlinePoint | | |
| DistanceFromPreviousReading | DistanceFromPreviousReading | | | The distance between the reading and the previous reading. | Double | 8 | CISSurvey | | |
| InspectionRangeAuditEventID | | | | The EventID of the associated InspectionRangeAudit record. | Guid | 16 | CISSurvey | | 27 |
| PS_ON | | cpValuePS_On | Range | Potencial On tubo-suelo | Double | 8 | CISSurvey | | 5 |
| PS_OFF | | cpValuePS_Off | Range | Potencial Off tubo-suelo | Double | 8 | CISSurvey | | 6 |
| CompanyEventID | CompanyEventID | | | The EventID of the Company that is doing the reading. | Guid | 16 | CISSurvey | | 14 |
| ContactEventID | ContactEventID | | | The EventID of the person doing the reading. | Guid | 16 | CISSurvey | | 14 |

| | | | | | | | | | |
|---------------------|--|-------------------|--------------|---|--------------|-----|------------------|-------------|----|
| CoatingInspection | | | | CoatingInspection illustrates how a set of readings can be attributed to an AuditClass record (in this case an InspectionAudit). CoatingInspection is related to Company and Contact illustrating how contact and surveyor information can be recorded for a set of readings. | Point | | OnlinePoint | Inspections | 17 |
| OBJECTID | | | | | Long Integer | 9 | [Object] | | |
| EventID | | | | Globally unique identifier. | Guid | 16 | [FeatureArchive] | | |
| GlobalID | | | | Globally unique identifier. Built-in support for replication. | Global ID | 16 | [FeatureArchive] | | |
| OriginEventID | | | | The original GUID for a feature. OriginEventID is set to be equal to EventID when a feature is first created. OriginEventID does not change with successive records representing different historical states of a feature. For example, consider the EventID attribute of an online polyline once it has been split into two new features. When the parent is split all child segments of the parent feature inherit the original OriginEventID of the parent (each child segment does receive a unique EventID). | Guid | 16 | [FeatureArchive] | | |
| CreatedBy | | | | User ID of the operator who created the feature. A value is applied once to this attribute when the object is first created. CreatedBy does not change with successive updates or versions of this record representing different historical states of the object. | Text | 45 | [FeatureArchive] | | |
| CreatedDate | | | | The timestamp when the initial record for the object was created in the database. Because the CreatedDate is a database date, it does not necessarily correspond to the actual effective date of the feature or object in the real world. CreatedDate may be either earlier or later than EffectiveFromDate. In a similar manner as CreatedDate, CreatedBy does not change with successive updates or versions of this record representing different historical states of the object. | Date/Time | 8 | [FeatureArchive] | | |
| EffectiveFromDate | | | | The date a particular record in the database went into effect in the real world. This date should not be confused with the CreatedDate. The EffectiveFromDate for the initial record for a feature should correspond to either the InServiceDate or the InstallationDate for the feature. The EffectiveFromDate is modified with each successive record documenting the historical state of a feature. | Date/Time | 8 | [FeatureArchive] | | |
| EffectiveToDate | | | | The date at which a particular record in the database is no longer in effect. EffectiveToDate is modified with each successive record documenting the historical state of a feature. EffectiveToDate is null for a database record that is currently in effect. | Date/Time | 8 | [FeatureArchive] | | |
| LastModified | | | | The timestamp for the last modification of the record in the database. LastModified is equal to the CreatedDate for the initial record of an object. The LastModified timestamp is modified with each successive record documenting the historical state of a feature. | Date/Time | 8 | [FeatureArchive] | | |
| ModifiedBy | | | | The User-ID of the operator who last modified the feature. ModifiedBy = CreatedBy for the initial record of a feature. ModifiedBy changes with each successive record representing different historical states of a feature. | Text | 45 | [FeatureArchive] | | |
| HistoricalState | | gnHistoricalState | Coded Values | Indicates whether the record represents the current state, or an historical state, of the referenced object or feature. HistoricalState is included in the model for those utilizing 'inline' history. In such implementations, multiple historical versions of a single feature or object may be stored; the HistoricalState attribute provide a simple means of distinguishing current vs. historical records. | Text | 50 | [FeatureArchive] | | |
| ProcessFlag | | | | A catch-all field for application developers used for temporarily storing values, tags, and codes required for application processing. The field is not meant to store information on a permanent basis and should be cleared after each procedure or operation that is performed using this field. | Text | 10 | [FeatureArchive] | | |
| Remarks | | | | Open field used for comments, remarks, or notes about the object. | Text | 255 | [FeatureArchive] | | |
| RouteEventID | | | | The foreign key to the route feature class denoting the route to which the control point belongs. | Guid | 16 | OnlineFeature | | |
| CLEditResponse | | clEditResponse | Coded Values | (required APDM Domain) – Indicates how the geometry and/or stationing attributes of an online feature respond to a centerline edit such as a reroute. This attribute is further described in the section 'Feature Level Metadata'. | Text | 50 | OnlineFeature | | |
| CLValidityTolerance | | | | Indicates how far the centerline can move away from an online event feature before the event becomes 'invalid'. Expressed the distance units of the Transmission feature dataset. This attribute is further described in the section 'Feature Level Metadata'. | Double | 8 | OnlineFeature | | |

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|-----------------------------|---------------|-------------------------|--------------|--|--------------|-----|-------------------|-------------|----|
| Status | | gnStatus | Coded Values | A domain value indicating the status of a feature that has some operational lifespan based on FERC/OPS definitions. Applied to centerline features or facility features with complex operational life spans. The gnOperationalStatus domain is considered a core APDM domain that inherits values from the gnStatus domain and must be implemented exactly as prescribed by the APDM. | | | | | |
| Station | | | | A station value (i.e. measure) along a station series used to position and locate the point feature. | Text | 50 | OnlinePoint | | |
| Measure | | | | A continuous measure value along a station series used to position and locate the point feature. | Double | 8 | OnlinePoint | | |
| SeriesEventID | | | | The foreign key to the series feature class denoting the series to which the control point belongs. | Double | 8 | OnlinePoint | | |
| SymbolRotation | | gnAngle | Range | (required APDM domain) - A rotation angle from 0–360o for a point symbol (uses gnAngle domain). This allows operators to preserve rotation information for point symbols imported from external systems such as CADD. Allows all point symbols within the APDM to be rotated as needed; manually, or in relation to other features. This is used primarily for display in mapping applications such as alignment sheets. | Guid | 16 | OnlinePoint | | |
| POINT_X | | | | The x location of the point. | Double | 8 | OnlinePoint | | |
| POINT_Y | | | | The y location of the point. | Double | 8 | OnlinePoint | | |
| POINT_Z | | | | The z location of the point. | Double | 8 | OnlinePoint | | |
| InspectionRangeAuditEventID | | | | The EventID of the associated InspectionRangeAudit record. | Guid | 16 | CoatingInspection | | 27 |
| Referencia | | | | Informacion visual de aproximacion del defecto | Text | 255 | CoatingInspection | | 10 |
| Profundidad | | | | en metros | Double | 8 | CoatingInspection | | 11 |
| pctIR | | | | | Double | 8 | CoatingInspection | | 5 |
| EstadoCorrosivoON | | cpCorrosionType | coded values | Estado corrosivo | Text | 50 | CoatingInspection | | 17 |
| EstadoCorrosivoOFF | | cpCorrosionType | coded values | Estado corrosivo | Text | 50 | CoatingInspection | | 18 |
| DefectType | | cpDefectType | coded values | Tipo de defecto | Text | 50 | CoatingInspection | | 10 |
| Longitud | | | | | Double | 8 | CoatingInspection | | 8 |
| DefectGrade | | raCoatingRepairHistory | | Codigo del defecto | Text | 50 | CoatingInspection | | 11 |
| CompanyEventID | | | | The EventID of the Company that is doing the Survey. | Guid | 16 | CoatingInspection | | 14 |
| ContactEventID | | | | The EventID of the person doing the Survey. | Guid | 16 | CoatingInspection | | 14 |
| DefectCode | CodigoEstaca | | | | LongInteger | | | | |
| DefectOrigin | OrigenDefecto | raCoatingInspectionCode | | | Text | | | | 12 |
| SubTypeCD | | | | The subtype field. | Long Integer | 9 | CoatingInspection | | 9 |
| CoatingInspectionAudit | | | | The Audit object classes represent a singular type of entity within the APDM. The Audit object classes are physically implemented within the model and are required (core) whenever a class requires a relationship with Activity or ExternalDocument. However, <class name>Audit is documented as a 'template' class from which multiple concrete classes may be implemented. In this sense, <class name>Audit behaves like an APDM abstract class. The classification of <class name>Audit as either 'core' or 'abstract' is largely arbitrary. <class name>Audit is documented with the core classes primarily because the Audit classes are physically implemented in the model, unlike the other APDM abstract classes. | Table | | AuditObject | Inspections | 22 |

| | | | | | | | | | |
|---------------------|--|-------------------|--------------|---|--------------|-----|------------------|--|---|
| ILISurvey | | | | The pipe tally shall be a listing of all pipeline component features and anomaly features and be reported in accordance (including terminology) with the report structure. | Point | | OnlinePoint | | 9 |
| OBJECTID | | | | | Long Integer | 9 | [Object] | | |
| EventID | | | | Globally unique identifier. | Guid | 16 | [FeatureArchive] | | |
| GlobalID | | | | Globally unique identifier. Built-in support for replication. | Global ID | 16 | [FeatureArchive] | | |
| CreatedBy | | | | User ID of the operator who created the feature. A value is applied once to this attribute when the object is first created. CreatedBy does not change with successive updates or versions of this record representing different historical states of the object. | Text | 45 | [FeatureArchive] | | |
| CreatedDate | | | | The timestamp when the initial record for the object was created in the database. Because the CreatedDate is a database date, it does not necessarily correspond to the actual effective date of the feature or object in the real world. CreatedDate may be either earlier or later than EffectiveFromDate. In a similar manner as CreatedDate, CreatedBy does not change with successive updates or versions of this record representing different historical states of the object. | Date/Time | 8 | [FeatureArchive] | | |
| EffectiveFromDate | | | | The date a particular record in the database went into effect in the real world. This date should not be confused with the CreatedDate. The EffectiveFromDate for the initial record for a feature should correspond to either the InServiceDate or the InstallationDate for the feature. The EffectiveFromDate is modified with each successive record documenting the historical state of a feature. | Date/Time | 8 | [FeatureArchive] | | |
| EffectiveToDate | | | | The date at which a particular record in the database is no longer in effect. EffectiveToDate is modified with each successive record documenting the historical state of a feature. EffectiveToDate is null for a database record that is currently in effect. | Date/Time | 8 | [FeatureArchive] | | |
| OriginEventID | | | | The original GUID for a feature. OriginEventID is set to be equal to EventID when a feature is first created. OriginEventID does not change with successive records representing different historical states of a feature. For example, consider the EventID attribute of an online polyline once it has been split into two new features. When the parent is split all child segments of the parent feature inherit the original OriginEventID of the parent (each child segment does receive a unique EventID). | Guid | 16 | [FeatureArchive] | | |
| LastModified | | | | The timestamp for the last modification of the record in the database. LastModified is equal to the CreatedDate for the initial record of an object. The LastModified timestamp is modified with each successive record documenting the historical state of a feature. | Date/Time | 8 | [FeatureArchive] | | |
| ModifiedBy | | | | The User-ID of the operator who last modified the feature. ModifiedBy = CreatedBy for the initial record of a feature. ModifiedBy changes with each successive record representing different historical states of a feature. | Text | 45 | [FeatureArchive] | | |
| HistoricalState | | gnHistoricalState | Coded Values | Indicates whether the record represents the current state, or an historical state, of the referenced object or feature. HistoricalState is included in the model for those utilizing 'inline' history. In such implementations, multiple historical versions of a single feature or object may be stored; the HistoricalState attribute provide a simple means of distinguishing current vs. historical records. | Text | 50 | [FeatureArchive] | | |
| ProcessFlag | | | | A catch-all field for application developers used for temporarily storing values, tags, and codes required for application processing. The field is not meant to store information on a permanent basis and should be cleared after each procedure or operation that is performed using this field. | Text | 10 | [FeatureArchive] | | |
| Remarks | | | | Open field used for comments, remarks, or notes about the object. | Text | 255 | [FeatureArchive] | | |
| RouteEventID | | | | The foreign key to the route feature class denoting the route to which the control point belongs. | Guid | 16 | OnlineFeature | | |
| CLEditResponse | | clEditResponse | Coded Values | (required APDM Domain) – Indicates how the geometry and/or stationing attributes of an online feature respond to a centerline edit such as a reroute. This attribute is further described in the section 'Feature Level Metadata'. | Text | 50 | OnlineFeature | | |
| CLValidityTolerance | | | | Indicates how far the centerline can move away from an online event feature before the event becomes 'invalid'. Expressed the distance units of the Transmission feature dataset. This attribute is further described in the section 'Feature Level Metadata'. | Double | 8 | OnlineFeature | | |
| Measure | | | | A continuous measure value along a station series used to position and locate the point feature. | Double | 8 | OnlinePoint | | |
| SeriesEventID | | | | The foreign key to the series feature class denoting the series to which the control point belongs. | Guid | 16 | OnlinePoint | | |
| Station | | | | A station value (i.e. measure) along a station series used to position and locate the point feature. | Double | 8 | OnlinePoint | | |

| | | | | | | | | | |
|-----------------------------|--|----------------------------|--------------|--|--------------|----|-------------|--|----|
| Status | | gnStatus | Coded Values | (required APDM domain) – Defines the status of an object within the APDM. Status is used to describe the state of a non-facility or centerline object (i.e. an object that has no operational significance or does not exist as a geographical or physical entity). The gnStatus domain is considered a core APDM domain and must be implemented using the specified values exactly as prescribed by the APDM. | Text | 50 | OnlinePoint | | |
| SymbolRotation | | gnAngle | Range | (required APDM domain) - A rotation angle from 0–360o for a point symbol (uses gnAngle domain). This allows operators to preserve rotation information for point symbols imported from external systems such as CADD. Allows all point symbols within the APDM to be rotated as needed; manually, or in relation to other features. This is used primarily for display in mapping applications such as alignment sheets. | Double | 8 | OnlinePoint | | |
| POINT_X | | | | The x location of the point. | Double | 8 | OnlinePoint | | |
| POINT_Y | | | | The y location of the point. | Double | 8 | OnlinePoint | | |
| POINT_Z | | | | The z location of the point. | Double | 8 | OnlinePoint | | |
| InspectionRangeAuditEventID | | | | The EventID of the associated InspectionRangeAudit record. | Guid | 16 | ILISurvey | | 27 |
| LogDistance | | | | m | Double | 8 | ILISurvey | | 11 |
| UpStreamWeldDistance | | | | m | Double | 8 | ILISurvey | | 20 |
| JointLength | | | | m | Double | 8 | ILISurvey | | 11 |
| JointNumber | | | | | Long Integer | 8 | ILISurvey | | 11 |
| FeatureType | | iiiFeatureType | | | Text | | ILISurvey | | 11 |
| FeatureIdentification | | iiSAdditionalMetalMaterial | | | Text | | ILISurvey | | 21 |
| FeatureIdentification | | iiSAnomaly | | An indication, generated by non-destructive examination of an irregularity or deviation from base pipe or sound weld material, which may or may not be an actual flaw. | Text | | ILISurvey | | 21 |
| FeatureIdentification | | iiSComponent | | | | | ILISurvey | | 21 |
| FeatureIdentification | | iiSWeld | | | | | ILISurvey | | 21 |
| FeatureIdentification | | iiSMarker | | | | | ILISurvey | | 21 |
| FeatureIdentification | | iiSRepair | | | | | ILISurvey | | 21 |
| FeatureClass | | iiiFeatureClass | | | Text | | ILISurvey | | 12 |
| ClockPosition | | | | h:min | Text | 10 | ILISurvey | | 13 |
| NominalT | | | | Nominal Wall thickness - The wall thickness required by the specification for the manufacture of the pipe. (mm) | Double | | ILISurvey | | 8 |
| ReferenceT | | | | Reference Wall thickness - The actual undiminished wall thickness surrounding a feature. (mm) | Double | | ILISurvey | | 10 |
| LengthOfAnomalyFeature | | | | mm | Double | | ILISurvey | | 22 |
| WidthOfAnomalyFeature | | | | mm | Double | | ILISurvey | | 21 |
| DPeak | | | | % | Double | | ILISurvey | | 5 |
| DMean | | | | % | Double | | ILISurvey | | 5 |
| SurfaceLocation | | iiiSurfaceLocation | | | Text | | ILISurvey | | 15 |
| ERF | | | | Estimated repair factor según ASME B31G | Double | | ILISurvey | | 3 |
| ERF_Rstreng | | | | Estimated repair factor según Rstreng | Double | | ILISurvey | | 3 |
| SubTypeCD | | | | | | | | | 9 |
| Remediation | | iiiRemediation | Coded Values | Applied method of remediation (e.g., repair, replace). | Text | 50 | Anomaly | | 11 |
| hRippleWrinkle | | | | mm | Double | | ILISurvey | | |
| JoinManufacturingType | | | | | Text | | ILISurvey | | |
| ClusterID | | | | | Long Integer | | ILISurvey | | |
| PseqValue | | | | psi | Long Integer | | ILISurvey | | |
| GroupRule | | | | | Short | | ILISurvey | | |
| SelectionRule | | | | | Short | | ILISurvey | | |