

PODSTM



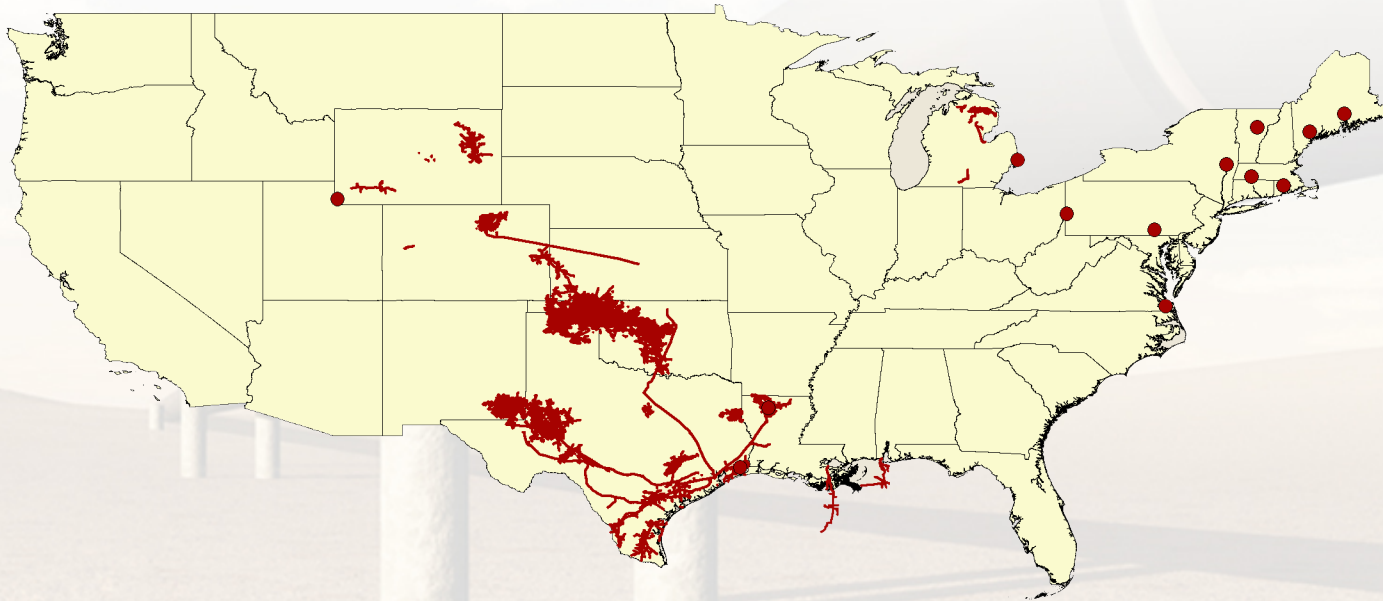
Pipeline Open Data Standard
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**GPS Data
in PODS –
Panel
Discussion**

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- DCP Midstream currently operates about 61,000 miles of Natural Gas and NGL Pipelines, with an estimated 1,000 miles of NGL pipe to be added during the next several years.



PODS Implementation

- DCP Midstream is on PODS version 4.5, operating through a centrally deployed Oracle 10G Production Database.
- It is managed from the Denver Office and our Users are spread across DCP Midstream's Four Regional Offices and the Denver Corporate Office.

GPS Data Collection Responsibility

- DCP Midstream utilizes its own field personnel as well as vendors to gather data on Existing and Repaired Pipelines.
- GPS data for New Construction is usually gathered by a contracted Survey Company. They provide us with formatted data as defined in their contract. DCP Midstream uses this data as part of our digital installation into PODS.

GPS Hardware and Software

- DCP Midstream utilizes Trimble hardware for its in-house GPS Data Gathering.
- Currently DCP uses five generations of GPS Units for our in-house data gathering ... The GeoExplorer 3* and four generations of GeoXM/XT/3000' s.
- Pathfinder Office 5.1 is the Correction and Export software package.
- TerraSync 2.5 (Gen1) through 5.2 (Gen4) is the version span of software used for gathering on our pen-based units.

Data Chain – Field to PODS

- After the GPS data is gathered, the data is download to the computer for emailing.
- It is emailed, in the uncorrected .ssf form, to the appropriate GIS Technician. The Technician corrects and exports into an ArcGIS compatible format (.shp or .mdb).
- The data is then incorporated into a “working” mxd for verification and adjustment of the centerline in PODS or it is used to manufacture a new centerline in PODS.
- There is very little automation between GPSing and physical custody of the dataset. We have found that by keeping the chain of custody short, a higher level of QA can be maintained.
- It can take three to seven days for the data to make it into the PODS database after receipt.

What The Future Holds

- Currently DCP is utilizing gathered GPS data in conventional ways and there are no plans to expand the GPS data gathering envelope at this time.

Lessons Learned

- GPS Data, delivered in a timely manner, helps maintain the immediate relevance of the database to real world conditions.
- Field personnel gathering the GPS data and GIS personnel using the GPS data must be retrained on a regular basis to keep their skill set on the unit up to Company standards.
- Sometimes a slower, manual approach to getting the data into the database is required to maintain a high level of data quality.