

Geospatial Overview

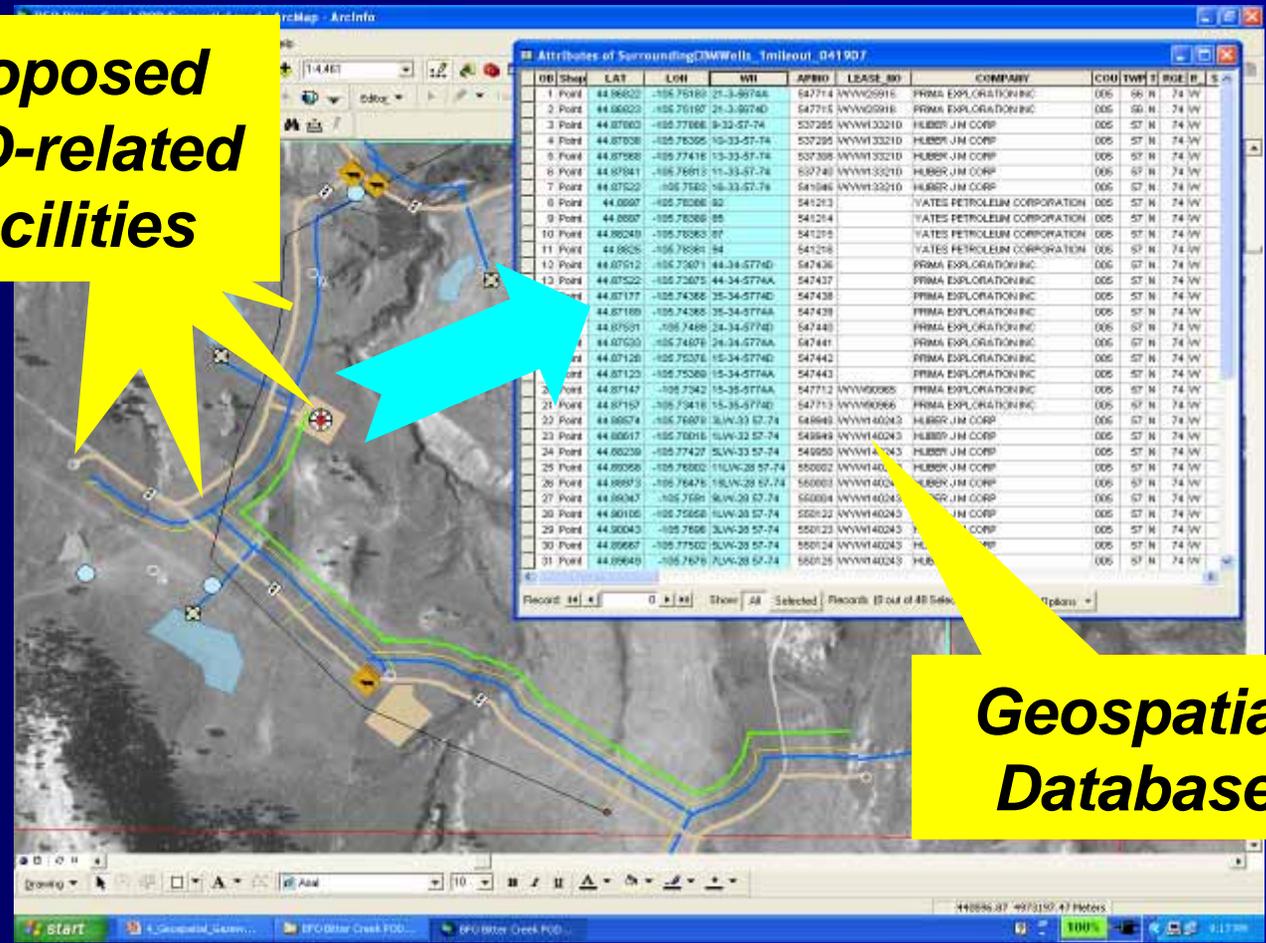
- Goals
- What is a Geospatial Database?
- Onshore Order No. 1 Geospatial Requirements

Geospatial Database Goals

- Support operator's submission of GIS-based (map depicted) APD information using electronic means
- Improve the geographic locational accuracy of proposed APD-related actions and infrastructure
- Utilize APD geospatial data with BLM's GIS data to enhance the "on-the-ground" decision making processing

What is a Geospatial Database?

**Proposed
APD-related
Facilities**



**Geospatial
Database**

Onshore Order No. 1 Geospatial Database Requirements

- A new requirement of the Order
- Applies to two specific APD components:
 - Well survey plat
 - Surface use plan of operations (SUPO)

Well Survey Plat Geospatial DB

- Must submit a well survey plat
 - BLM prefers an electronic scanned image file format
- Must submit a well survey plat geospatial database file prepared by a registered surveyor

Well Survey Plat Geospatial DB

- BLM prefers ESRI ArcGIS geodatabase or AutoCAD dwg or dxf file formats to include
 - Latitude, longitude based upon NAD 1983
 - Well name, number, operator, lease no., API no. (if available)
 - Surveyor's name, state registration number, plat date
 - Legal land description including footage calls
- Must submit above to have a "complete" APD

SUPO - Geospatial DB

- Must submit a SUPO
- Can optionally submit SUPO geospatial database

SUPO - Geospatial DB

- BLM prefers an electronic ArcGIS geodatabase file format to include
 - Existing and new roads, well locations
 - Location of existing and proposed facilities
 - Location of water supplies, construction materials
 - Location of ancillary facilities
 - Well site layouts (pad, pits, topsoil stockpiles, etc.)
 - Plans for reclamation and associated infrastructure
- This is an optional submission requirement

Using WIS to Submit APD Geospatial Database Files



1



2

Section 1 - Completed By Operator	
1. BLM Office* Select a BLM Office	2. Confidentiality* <input type="checkbox"/> Confidential
5. Well Type* Select a Well Type	
Operating Company Information	
4. Company Name*	
5. Address*	6. Phone Number*
Administrative Contact Information	
7. Contact Name*	8. Title*
9. Address*	10. Phone Number*
	11. Mobile Number



4



3



Geospatial Database File Attachments

Geospatial Summary

- Goals
- What is a Geospatial Database?
- Onshore Order No. 1 Geospatial Requirements
 - Well survey plat GD - required
 - SUPO GD – optional requirement