

GROWTH & INCOME

*Denbury Implements ArcGIS for Portal
to Improve GIS Data Visibility*



4/8/2015

Agenda

- **Introductions**
- **Definition of Problem**
- **Path to Successful Solution**
- **Business Case for Implementation of Portal**
- **Overview of Data Sets Used in Implementation**
- **Demonstration and Tour of 3 Web Apps**



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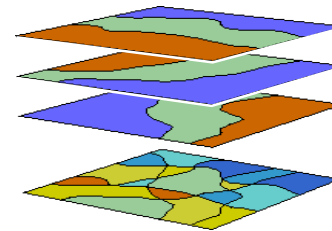
Todd Buehlman, Director of Technology
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The Problem



Lack of exposure of GIS data to majority of users

- What data do we have?
- Where does information come from?
- Oh, I did not know we had that!
- How can I use that data for my project?



GIS Distribution Implementations Using ArcGIS Server 2009-2014



Microsoft® Silverlight™ Web Maps



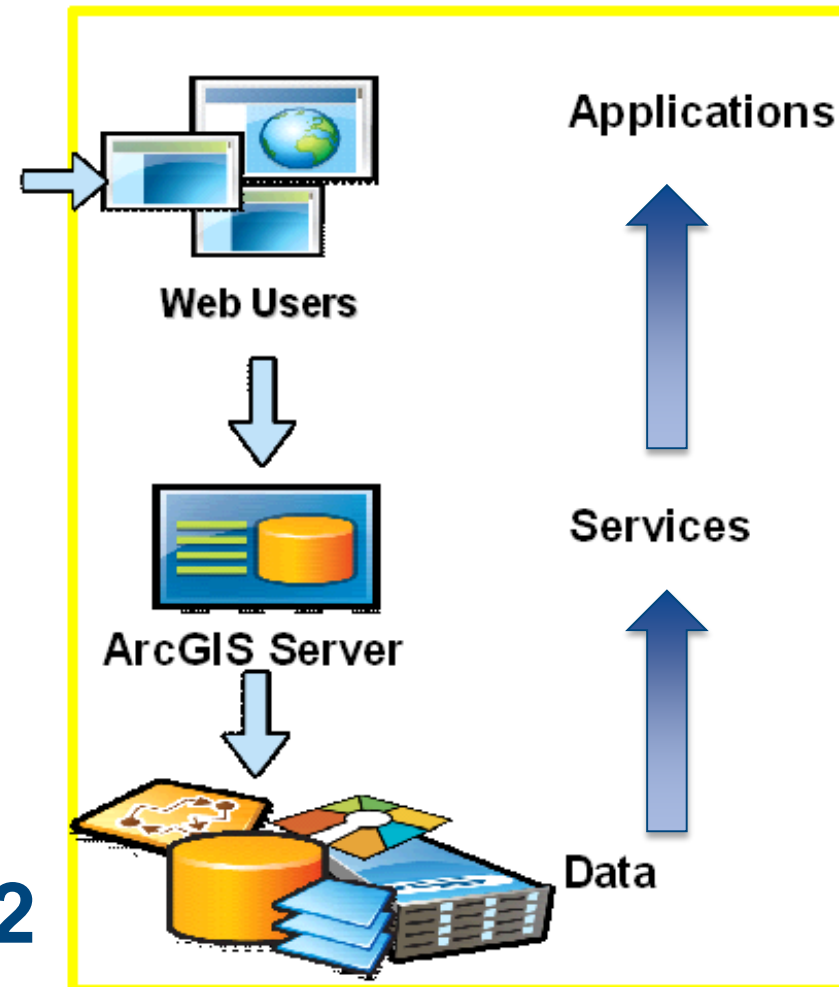
- Layer Packages for Bandwidth Challenged
- **Not Sustainable in Long Run**



Current Configuration

Mix of 10.1 and 10.2

- Desktop 10.1
- ArcGIS Server 10.2
- Portal for ArcGIS 10.2.2
- Internet Explorer 9



Current GIS Distribution Solution

ArcGIS Server 10.2 in 2015

- 
- Portal for ArcGIS
 - Exposure to All Via Web Apps
 - Templates with Map Content to Fit Purpose
 - **Single Sign On**



Execute Scope of Work to Customize & Deploy 3 Templates

- **Basic Viewer**
- **Pipeline Operations Viewer**
- **Production Summary, “Cash Register”**
- **Templates Designed with Consistency**



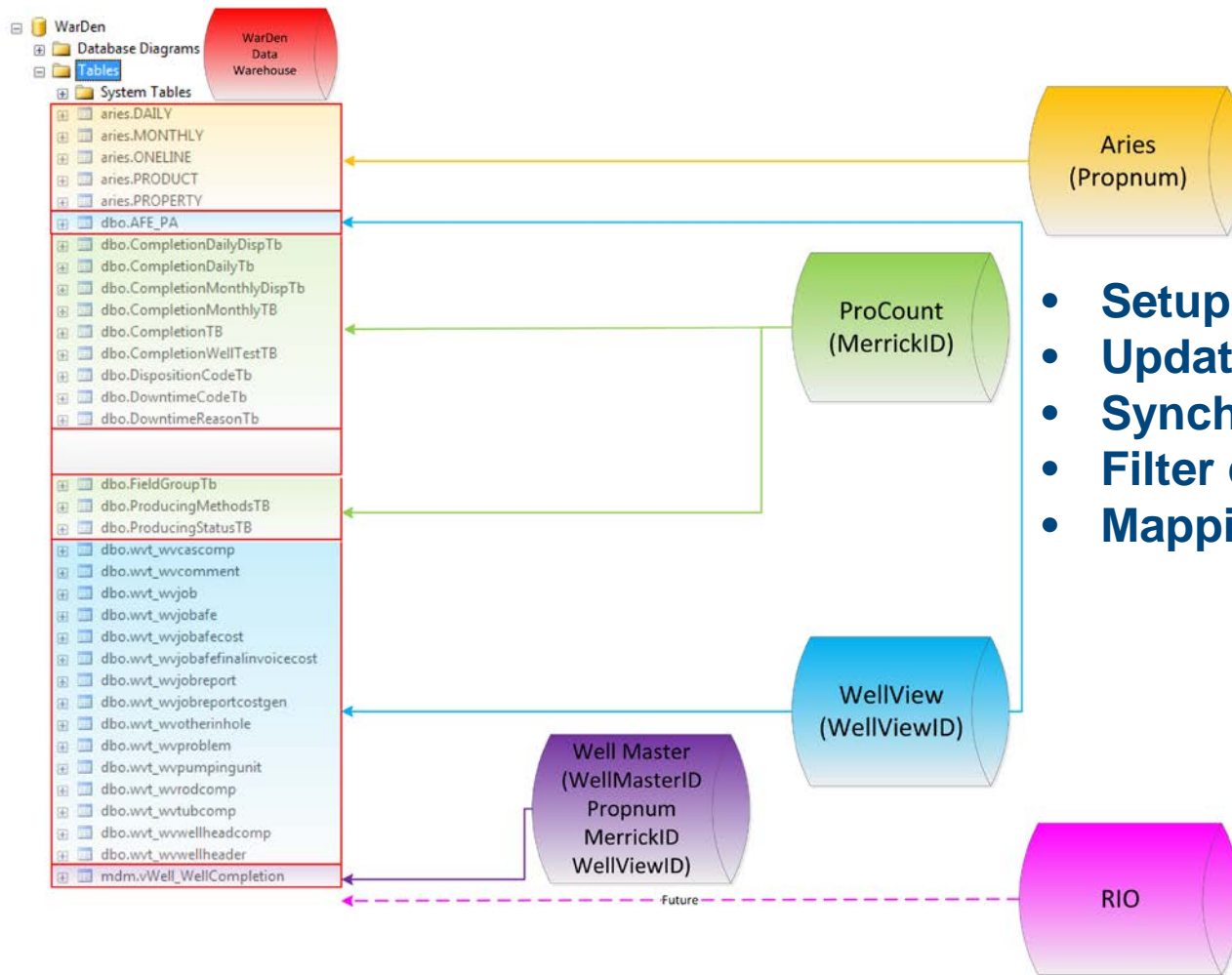
Data Sources Served thru Portal

Basic Catalog (wells, pipeline, land data, imagery)

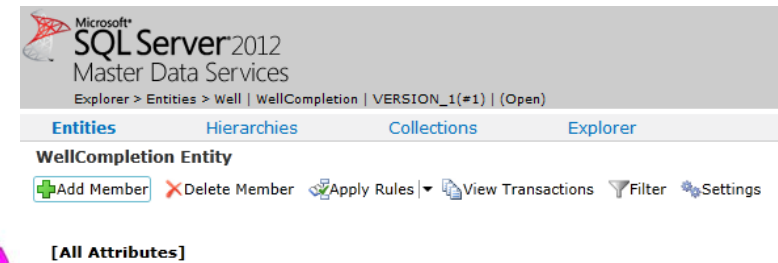


- Well Master Data from Business Enterprise
 - ProCount (Production, Well Type, Commodity, Status)
 - WellView (Well Jobs)
 - ARIES (Reserves/Forecasting)
- **End Users Can Visualize Business Decisions Like Never Before Possible**

Well Master Data Sources Served thru Portal



- Setup of new wells
- Update well attributes
- Synchronize between systems of record
- Filter criteria
- Mapping!



End Users Can Visualize Business Decisions Like Never Before Possible

Data Source Governance for Input



- Engineering Data from Transmission Pipelines
- As-Built Construction **Blue Sky** Project Database
 - Standardized AutoCAD drawings
 - In-Field, AutoCAD with Object Data
 - Standardized Domains File Geodatabase
- **Inventory Grows Daily**



Live Tour of 3 Web Applications

GIS Portal

- **Basic Viewer**

Overview of All Tools

Featured Maps and Apps

- **Pipeline Operations Viewer**

Overview of Tools Specific to this Viewer



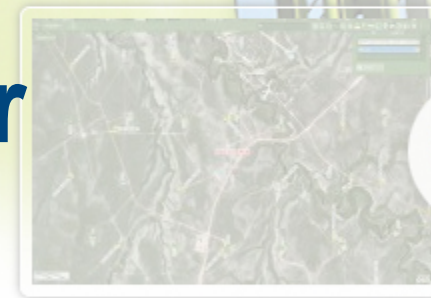
Bell Creek Weekly Application



Elevation Profile Application



HSE Explorer Application



Well Master Application

- **Production Summary Viewer**

Overview of Capabilities of this Viewer

Make a Map

Create a map that can be viewed in a browser, desktop or mobile device. Share it on a blog, via email, or embed it in a website.

Browse the Map Gallery

Browse featured maps and apps published by others in Denbury Resources Inc.