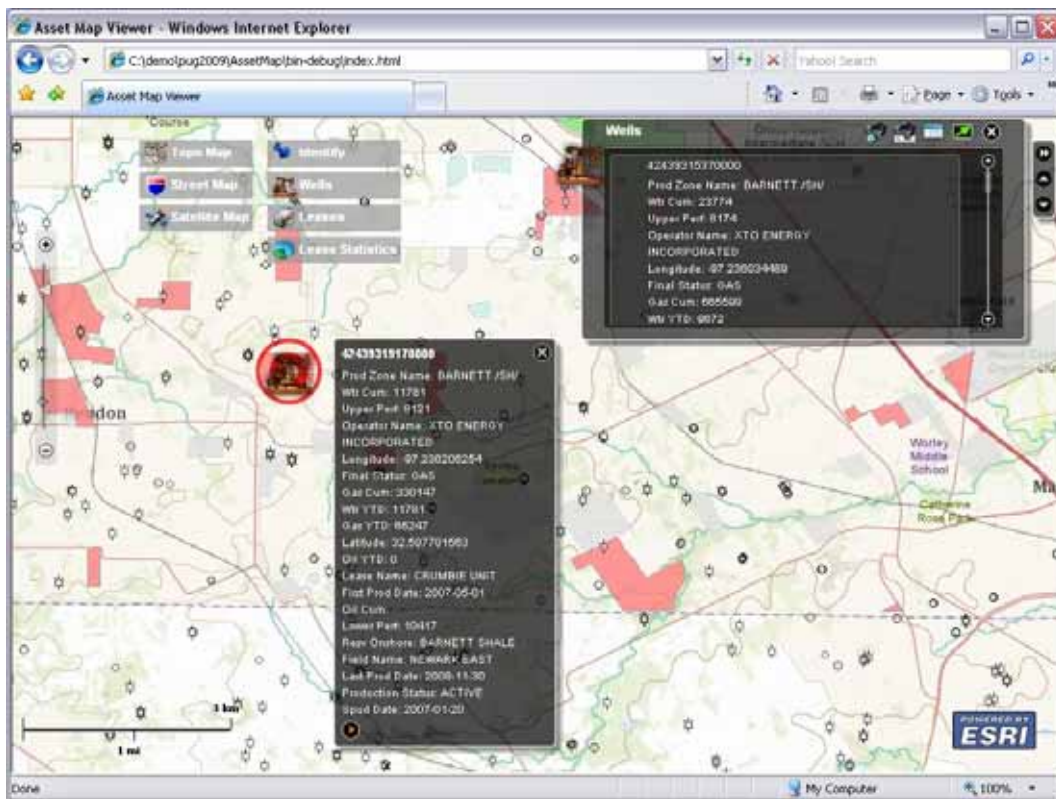


**ESRI Petroleum User Group (PUG)**  
**Houston, March 2009**



*IHS REST well data endpoint 'mashup' in ESRI's Asset Map Viewer<sup>1</sup>.*

The basics of GIS have been laid out at earlier PUGs – this is actually the 19<sup>th</sup>! As ESRI software products director Clint Brown put it, 'it is a challenge to build big systems that really work.' This year sees more consolidation and a continuation of the technology shift to web services and browser clients. For users the story is similar. In the upstream many are concerned with getting their data in shape – from multiple legacy systems and following acquisitions that can take many years to work through the system. Companies are in general more involved with such 'basics' than with geoprocessing, making complex spatial queries. The picture in pipeline is arguably different – here GIS is so compelling, thanks to the regulator, that companies manage to find the resources to 'get it right.' This may involve a PODS or APDM database running alongside the GIS system. The move to the web opens up the possibility of 'mashups.' Presentations from the Louisiana Oil Spill Coordinator's Office and the Bureau of Land Management showed interesting use of mashup and geoprocessing in tandem. Opinions on the merits of the geodatabase differ. For the data purists, having such a data staging post means more data duplication and data management headaches. Others are more than happy with ESRI's concept of a 'logical collection of datasets.' One curious aspect of the PUG was that we only heard mention of .NET once, on day three. Most GUI code we saw (peeking over developers' shoulders) was Adobe Flex<sup>2</sup>.

A panel discussion moderated by Oil IT Journal editor Neil McNaughton debated the intersection of GIS and the 'digital oilfield.' Panelists from Chevron, the Rocky Mountain Oilfield Testing Center, DCP Midstream and Panhandle Energy offered insights into how SCADA and other real time sources were combined into a map view, facilitating surveillance and optimizing operations.

Finally, some new features that seemed to excite the PUG crowd as follows: 'optimized' map services in ArcMap which allow for much quicker load and faster zoom (*applause*), ArcGIS Explorer 900 maps that popped up in the Firefox browser (*ripple of applause*) and a question, 'How do you get folks to use GIS instead of Excel, the engineers' natural tool of predilection?' (*laughter and applause*).

<sup>1</sup> Image, data courtesy ESRI and IHS.

<sup>2</sup> [http://www.adobe.com/cfusion/showcase/index.cfm?event=casestudydetail&casestudyid=580887&loc=en\\_us](http://www.adobe.com/cfusion/showcase/index.cfm?event=casestudydetail&casestudyid=580887&loc=en_us).

## Highlights

[Optimized map services](#)

[Flex, DoJo, Silverlight](#)

[GIS and the Digital Oilfield](#)

[BLM oil, gas and accessibility](#)

[Hurricane risk assessment](#)

[StatoilHydro's enterprise GIS](#)

[Chevron's Life of Field planning tool](#)

[Software integrity](#)

[Metadata Workgroup](#)

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