



Partnering with



to bring you world class Business Information Solutions

PPDM User Group Meeting

Date: Mar 9th – 10th, 2010

Location: Hess Conference Center



PPDM as an Enabler for Upstream Asset Management Solutions

Jess B. Kozman, Principal Consultant, CL Tech Kandy Lukats, President & CEO, 3-GiG

Helping You Organize Your Proprietary Business Information

The Problem

Workflows:

Planning/Budget

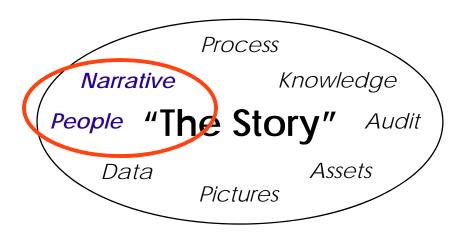
EOY Reserves

Capital Review

Peer Review

Asset management

Components:



Information:

Reserves

Prod.

Prod. Acctng

Seismic

Land

AFE

Econ.

Geol

Petro.

Res. Model. ETC...

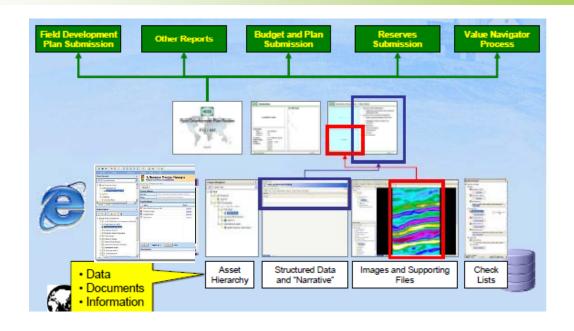
Corporate and Master Data Management

The Goals

Reduce Duplication Centralize

Increase Efficiency Standardize

The Solution: An Asset Management System



How to Clients Describe the Problem? Case Study #1

Nobody could find anything

Constant demand for the same information

No "record" of what was used to support an AFE

Management had no "line of sight"

Technical services had no "line of sight"

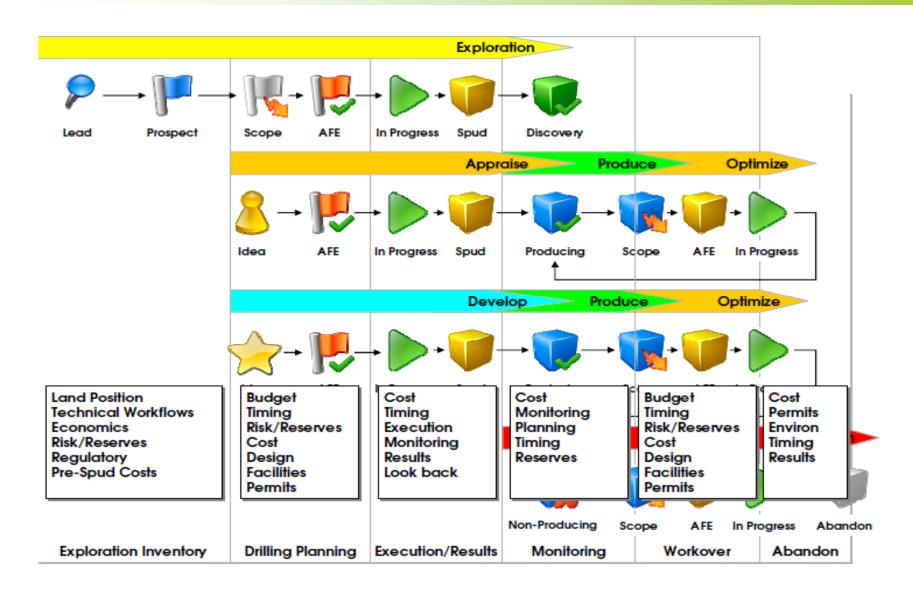
Drilling disconnected from planning process

No way to capture ideas from the beginning

Lost knowledge of behind pipe opportunities

No standards to meet management needs

The Process: Case Study #1



The Solution: Case Study #1

The Asset: The Well The Portfolio: The Process:

GOM Shelf

Drilling & Well Work Planning

"Line of Sight" between Drilling & **Planning**

Capture lost knowledge from behind pipe opportunities

"Workflow and **Document** Management Wrapper" around PPDM

Enforce standards



How do Clients Describe the Problem? Case Study #2

East Texas Asset – tight gas play

Data is a mess

Petra and Geolog databases a mess

Ground up interpretation never done

Too many interpreters - no consistency

Previous reserves workflows undocumented

Many studies never captured

Knowledge lost

No knowledge of what is good or clean data

No knowledge of what data supports field management

Too many version of the same information

The Solution: Case Study #2

APRIL TORING TORING THE SHIP APRIL TORING THE PROPERTY OF THE PROPERTY OF THE In decide the water bridge, and participations Marie Projection Specifical Agent SPACSA MARIE CONTRACT Grand In Horsey Well White has been a pay with a model. Adequate to The interest and comments of the fire standards and the fire standards and the fire standards are standards and the fire standards are standards and the fire standards are standards and the standards are standards and the fire standards are standards and the standards are standards are standards and the standards are stand may been med Lames THE PERSON NAMED IN COLUMN PARTY. Address of the Parket of the P Clinic but removes THE RESERVE Could had read househing from the interior had no been beThe Asset: The Field

The Portfolio: Blocker Field, East Texas
The Process: Volumetrics and Reserves

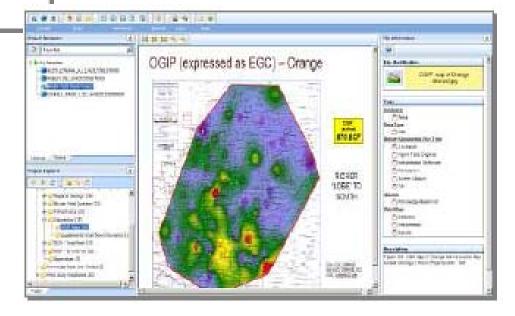
Searches by organizational hierarchy

Filter by data elements used in the workflows

PPDM back end and workflow application

translited as reservoir

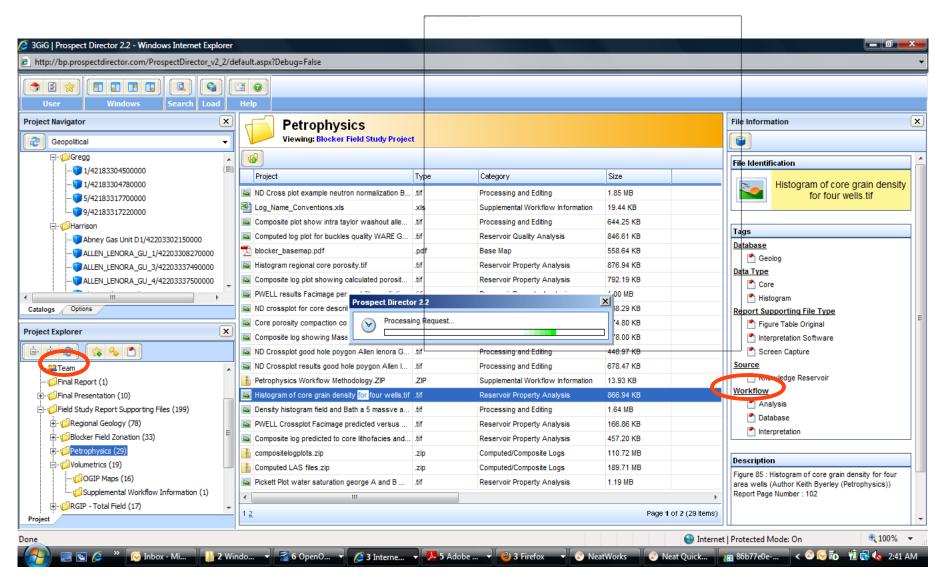
Inventory and delivery of field study results



The Solution: Case Study #2

The Asset: The Field
The Portfolio: Blocker F
The Process: Volumetr

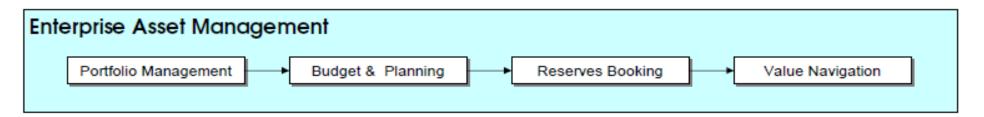
Blocker Field, East Texas
Volumetrics and Reserves

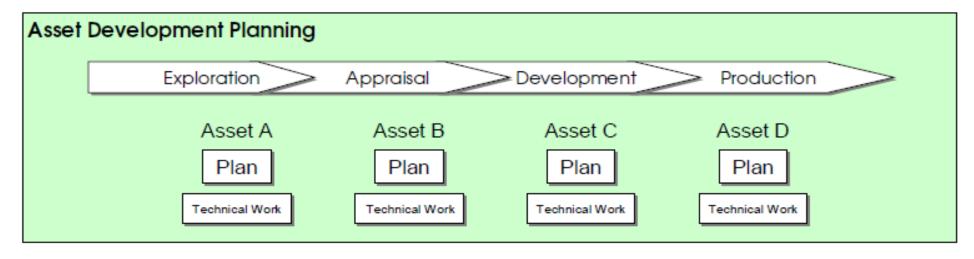


How do Clients Describe the Problem? Case Study #3

No single source of the truth for the field development plan Inefficiency in the asset teams to document the plan Huge duplication of effort to provide information up No easy way to share knowledge between the assets No way to create a life of field story over time Same information duplicated in multiple places No way to bring new people up to speed quickly Inconsistencies in the plans through the year No line of sight for management Business systems disconnected from the "thinking"

The Process: Case Study #3







The Solution: Case Study #3

Name (Sept.) Spinet Landau

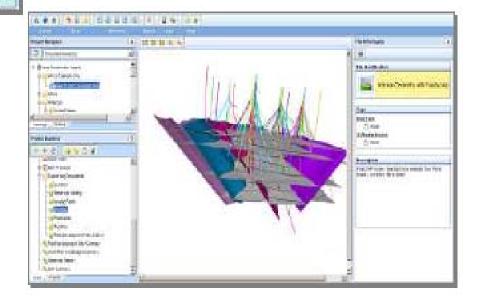
1 4 4 5 0 0 0 0 1 Say hallower of Section In Sec. NAME OF TAXABLE PARKS ASSOCIATION IN NAME OF STREET

The Asset: Fields and Field Groups The Portfolio: Global

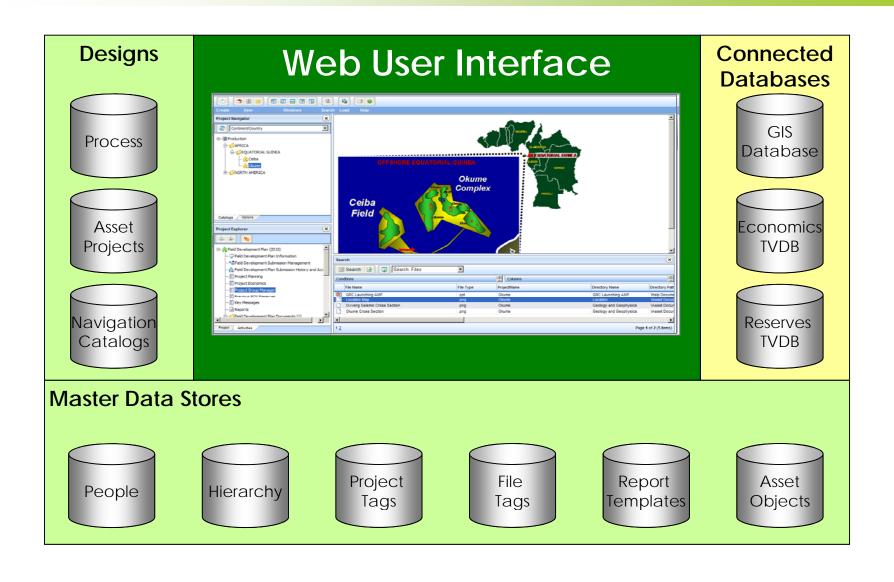
Field Development & Budget The Process:

Summarize, report, aggregate and collate

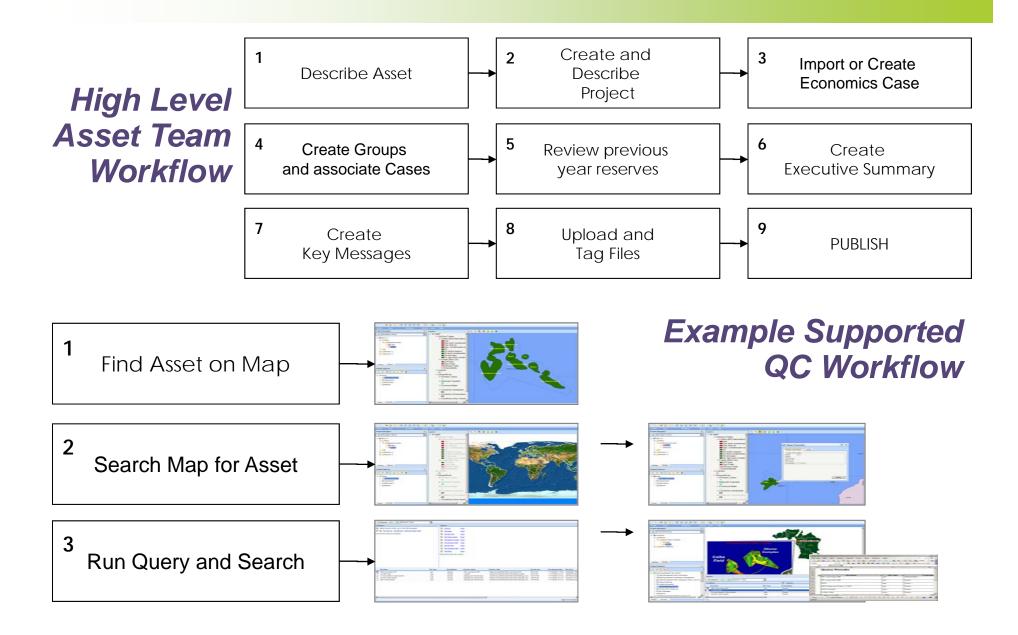
Leverage existing PPDM investment



Configurable Solution Features



Example Workflows



The Prize

- PPDM data model complemented by process and document management and role-based user interface
- Efficient and configurable access to:
 - Project data
 - Documents
 - Images
 - Knowledge repositories
 - Narratives
 - Personnel meta-data
 - Corporate process audit trails
 - Taxonomies
- Repeatable and adaptable model
- Execution at a fraction of expense allocated for in-house development

PPDM as an Enabler: A Solution for Upstream Asset Management

