



PROFESSIONAL PETROLEUM
DATA MANAGEMENT ASSOCIATION

PPDM COMPLIANCE

VENDOR NAME: PETROSYS

PRODUCT NAME: DBMAP/WEB

VERSION: 1.0

MEASUREMENT DATE: 8 FEB 2012

PPDM COMPLIANCE SCORE

SCORE: CRV V3.8 - 83: (AREAS, BUSINESS ASSOCIATES, COORDINATE SYSTEMS, FIELDS, POOLS, PPDM UNITS OF MEASURE, PRODUCTION ENTITIES, REFERENCE TABLES, SUPPORT FACILITIES, SOURCE DOCUMENTS AND BIBLIOGRAPHIES, STRATIGRAPHY, WELLS): 73:73 GOLD 100%

CREATED BY

Name: _____

Position: _____

Date: _____

VERIFIED AND AUTHORIZED BY

Name: Judy Curtis

Position: CEO

Date: March 1, 2012

PRODUCT DESCRIPTION

The Petrosys dbMap/Web application provides fast access to a comprehensive range of data in petroleum master databases built on the dbMap/PPDM data model, through an easily accessible web browser interface. It's fast dynamic screens allow control over font size, column layouts and window geometry, with optional access to editing tools controlled through standard Oracle security. The system can be readily extended to support client specific data model extensions as well as to interface with document management and other online data assets.

Well Search and Queries

A range of search capabilities on well data is supported, starting with a search on common fields such as the UWI. The fields included in this free text search can be tailored to meet site performance expectations:

Well ID	System	Well Name	Count	Page
<input checked="" type="checkbox"/> 12334	PETROSYS	Well Name 12334	1	52
<input checked="" type="checkbox"/> 177000011800	MMS	WC 40 B3	3	42
<input checked="" type="checkbox"/> 177000020400	MMS	WC 180 4	4	51
<input checked="" type="checkbox"/> 177000023300	MMS	WC 253 A1	1	82

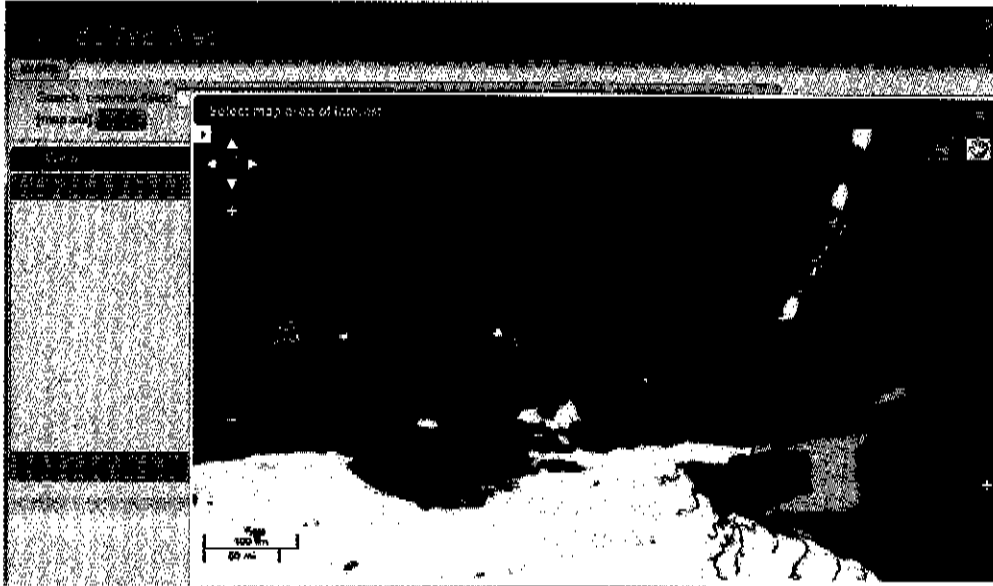
The advanced query builder allows the well selection to be refined by querying not only on the well header but also on data content and presence of a number of subsidiary tables. For example to find all the wells with directional surveys and tops for the 2nd. Wall Creek formation:

Advanced search

Wells	Spud date	is after	07-JAN-1997
and	Dir Surveys	Data Exists	
and	Tops	Strat unit id	equals 2ND WALL CREEK

More complex or performance optimized selection queries can be managed from the dbMap desktop application and run through the dbMap/web interface.

Finally, wells may be selected spatially by using the 'Map Area of Interest' option that allows an arbitrary polygon to be drawn on a map for well selection:



Data Browsing

The user browses the selected wells in a tabular listing which presents a 'page' of data at a time.

177194023100 MMS WD 102 1 80 7000 22-JUN-1984

<input checked="" type="checkbox"/>	177194023100	MMS	WD 102 1	1	94	14087
<input checked="" type="checkbox"/>	177194033600	MMS	WD 105 6	6	80	7000
<input checked="" type="checkbox"/>	177190117400	MMS	WD 106 1	1	79	15210
<input checked="" type="checkbox"/>	177200009100	MMS	WD 134 D1	1	66	9959
<input checked="" type="checkbox"/>	608174034600	MMS	MC 401 2	2	85	10297
<input checked="" type="checkbox"/>	608174036100	MMS	MC 401 3	3	85	7425
<input checked="" type="checkbox"/>	608174036102	MMS	MC 401 3 ST2	3	85	9847
<input checked="" type="checkbox"/>	177202000800	MMS	WD 121 1	1	114	8953
<input checked="" type="checkbox"/>	608174032900	MMS	MC 401 1	1	84	7595
<input checked="" type="checkbox"/>	177204012100	MMS	WD 140 1	1	103	16570
<input checked="" type="checkbox"/>	608174042900	MMS	MC 445 1	1	82	11073

Clicking on a well opens up a well header panel that allows detailed viewing of the well header and location data:

Well Id	Well Name	Well Government Id	Well Num	Plot Name	Plot Symbol	Profile Type	Status Type
177194023100	MMS	WD 102 1	1				
177194033600	MMS	WD 105 6	6				
177190117400	MMS	WD 106 1	1				
177200008100	MMS	WD 134 D1	1				
608174034600	MMS	MC 401 2	2				
608174036100	MMS	MC 401 3	3				
608174036102	MMS	MC 401 3 ST2	3				
177202000900	MMS	WD 121 1	1				
608174032900	MMS	MC 401 1	1				
177204012100	MMS	WD 140 1	1				
608174042900	MMS	MC 445 1	1				

Well Government Id	608174036102	Operator	ORVX ENERGY COMPANY
Well Name	MC 401 3 ST2	Lease Name	G05844
Well Num	3	Lease Num	G05844
Plot Name	3 ST2	Discovery Ind	N
Plot Symbol	PLATFORM	Current Status	
Profile Type		Initial Class	UNKNOWN
Status Type	GENERAL	Current Class	EXPLORATORY

Created by Unknown on . Last updated by PETROSYS on 24-SEP-2010. New record

If the user is logged in and authorized to edit the data, an 'Edit' button in the well header enables editing of the information:

Location	
Country	UNITED STATES
Province State	WYOMING
County	NATRONA
Assigned Field	
Location Type	
Surface Node Id	30000006203
Surface Lat	28 32 57.5232 N
Surface Lon	89 44 4.9884 W
Geographic Region	
Geologic Province	
District	
Environment Type	
Difference Lat Mst	
Base Node Id	30000006204
Bottom Lat	28 32 56.8932 N
Bottom Lon	89 44 35.9340 W

Created by Unknown on . Last updated by PETROSYS on 24-SEP-2010. New record

The user can drill down to any subsidiary tables supported by the application from buttons embedded in the footer of the browsing screens. These buttons include a count on the number of records in the child data sets:

A wide range of options is available for working with the data in the browsing screens, including selecting alternate columns for display and refining the search within the browsing screen.

Selection Lists and Data Export

The well list in the browsing screen can be used as a well selection list. In addition to the filtering tools, individual wells can be checked and unchecked manually. The resulting well list can be saved to the database for subsequent recall in both dbMap/web and the dbMap desktop application. The dbMap desktop application also allows interaction with well selection lists from other sources such as OpenWorks.

The selection of data in the browsing screens can be exported to comma save format in a range of configurations ranging from just the visible columns in a single window through a denormalised export of a family of browsing screens.

UNDERLYING TECHNOLOGY

Database and version supported:

Oracle 8.1.7+

Operating System supported:

Server: Platforms supported by Java. (Such as Microsoft Windows and Redhat Linux)

Client: Web browsers such as Internet Explorer, Mozilla Firefox, Google Chrome, Apple Safari.
(Operating system independent)

Other as appropriate:

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COMPLIANCE TYPE

- This product connects directly to the tables and columns in a physical PPDM database via SQL (Gold Compliance)
- This product connects to a PPDM database by views or other connecting technology (Silver Compliance)

PRODUCT COMPLIANCE DETAILS

Version of PPDM supported	3.8
Footprint: Which PPDM modules does your product reference?	<p><i>(Modules listed as per PPDM documentation at http://www.ppdm.org/wiki)</i></p> <p>AREAS BUSINESS ASSOCIATES COORDINATE SYSTEMS FIELDS POOLS PPDM UNITS OF MEASURE PRODUCTION ENTITIES REFERENCE TABLES SUPPORT FACILITIES SOURCE DOCUMENTS AND BIBLIOGRAPHIES STRATIGRAPHY WELLS</p>
Product Scope: Number of tables or views implemented or referenced in the product, including tables that are not included in the PPDM data model.	83
Footprint: Number of tables or views that map to PPDM table definitions. On a separate document (using the DETAIL template provided), please list the names of the tables used.	73
Compliance: Have the Primary Keys of any PPDM tables been modified or	No

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PPDM™

dropped? If any, indicate on the DETAIL document.	
Compliance: Have any columns from any PPDM tables been removed or modified in any way? If any, indicate on the DETAIL document.	No
Compliance: Have parent tables for any tables used by your product been dropped from your footprint? Please list if yes.	No
Compliance: Do any additional tables or columns created for your product affect the PK of an existing PPDM Table?	No
Compliance: Do any additional tables or columns created for your product create mandatory relationships in PPDM tables?	No

Compliance Application filled out by: Kris O'Neil, Petrosys



COMPANY VERIFICATION

I, Kris O'Neil hereby verify that the information provided in this document provides a true and complete representation of the information required for a PPDM Compliance Measurement, has been created by persons with sufficient technical knowledge, and has been verified and authorized by an officer or appointed designate of the Company.

CREATED BY

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Position: Developer
Date: February 8, 2012

VERIFIED AND AUTHORIZED BY

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Date: February 10, 2012