

Salinas Basin Cross Section Study 2013 Products

Thom Davis, Jay Namson, Geoff Gallant Available for purchase July 1, 2013

- I. Basin Cross Sections (in Lithotect, PDF, JPEG, Corel v11 and X5, and CGM)**
 - a. Six structure cross sections showing key well data (geologic unit tops, dip meter and core dip) and surface geology (geologic unit contacts and apparent dips).
 - b. Six cross section restorations that remove Plio-Pleistocene compression.
 - c. Six well to well correlation sections of the above cross sections.
 - d. Lithotect project includes: six cross sections and six restorations geo-referenced, 94 key wells (2D and 3D well data), digital surface geology (contacts, faults and folds), 8,630 digital surface dips, regional digital elevation model, regional base maps.
 - e. File conversions of cross sections and restorations from Lithotect for simple load into Petrel (as generic XYZ data), GeoSec, and Move software.

- II. Well Data**
 - a. Well data for over 400 exploration wells including LAS log files, raster log files, well histories (PDF), and core dip or dip meter in table format.
 - b. Formation and geologic unit tops in table format.

- III. Petra Project**
 - a. Petra project includes over 400 exploration wells with geologic unit tops. Database is exported as Landmark 29 and OWX, and Tabular ASCII formats.
 - b. Overlay maps include surface geology (from 40 1:24000 scale Dibblee maps), regional Bouguer gravity contours, cross section line locations, and Jeffersonian land grid (Petra, Geoquest, GeoGraphix, and Landmark).

- IV. Digital Map Data**
 - a. Digital elevation model (DEM) in Lat Long and NAD27 CA Zone 5 projections.
 - b. Surface geology (SHP and DXF).
 - c. Surface dips geo-referenced in EXCEL.
 - d. State Bouguer gravity (SHP and DXF).
 - e. Well base map (PDF)

- V. Scan copy of 1991 Salinas basin study package by Davis and Namson.**

Includes report and over 100 scans of cross sections, restorations correlation diagrams, surface geologic strip maps, well base strip maps and regional base maps.

- VI. Price: \$75,000.00 (purchased by October 1, 2013, after October 1 price increases).**

Salinas Basin Cross Section Study 2013

The Salinas basin study package will save explorationists time, effort, and money in their hydrocarbon evaluation of conventional and unconventional plays as the study incorporates a large amount of data into structural and stratigraphic interpretations. The Salinas basin remains the most under-explored of the prolific hydrocarbon basins of central and southern California, despite many positive petroleum system characteristics such as surface oil seeps and tar sands, numerous oil shows and tests in wildcat wells, and a very thick section (8,000-10,000 feet) of organic-rich Monterey shale. The oil-field size-distribution of one giant oil field (San Ardo, 530 MMbbl) and seven small fields (up to 2.2 MMbbl each) suggests more large and medium-size conventional oil fields are yet to be found. Oil resource potential of Monterey shale is considered high given the formation's great thickness, high organic content, deep burial, and its numerous untested fractured shale intervals. This study's cross sections, correlation diagrams, and maps provide the explorationist with a unified, yet detailed, view of a structurally and stratigraphically complex basin. The cross section restorations remove the significant and young convergent deformation, show the basin framework at the end of Monterey shale deposition, and will assist paleogeographic analyses and basin modeling. The main elements of the study include 6 regional cross sections and cross section restorations and 6 correlation diagrams showing well to well log correlation of the 94 exploration wells used in the cross sections. In addition a Petra project is included, consisting of over 400 exploration wells of the basin, digital surface geology with dips (from 40 Dibblee 1:24000 scale maps), gravity contours, land grids and a regional digital elevation model.

For questions about the study contents or how to purchase the study please contact Thom Davis (davnamthom@aol.com) or Jay Namson (jay@namsonconsulting.com)