

DAVID M. VELOZZI

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Summary

A results-oriented Geoscientist with 12 years of experience in the oil and gas industry in exploration and consulting geophysical services. Expertise in regional integrated basin studies including geophysical data set integration and their correlations with geologic data sets. Excellent interpersonal and organizational skills, communication and presentation skills across these and other competencies:

Exploration Geology & Geophysics

Reservoir Characterization & Unconventional Play Analysis

Log Analysis & Petrophysical Modeling

2D & 3D Structural & Stratigraphic Seismic Interpretation

Well Log Correlation, Cross Section, & Advanced Subsurface Mapping

Volumetrics, Geologic Risk Assessment

Geophysical Data Acquisition & Processing

Predictive Analytics & Machine Learning for Hydrocarbon Exploration

Play & Prospect Identification, Generation and Evaluation

BASIN EXPERIENCE:

US Onshore Appalachian, Michigan, Denver-Julesburg, San Juan, Piceance, Big Horn, Ventura, North Slope Alaska, Permian, onshore Louisiana **International** Neuquén, Pricaspian, Rub’ al Khali, Myanmar onshore, Jordan, Sichuan

WORK EXPERIENCE:

Magnetic Variation Services LLC (A Helmerich & Payne Company)

Geoscience Team Lead

10/2017-Present

- Currently manage and mentor a team of Geophysicists in the USA and India that produce high resolution Geomagnetic Models used by Oil and Gas clients for In Field Referencing and more accurate well placement while drilling.
- Lead the development of new geological and geophysical services which provide value to our clients including UAV Magnetic Site Services to detect buried/abandoned wellheads and LWD/MWD data solutions and services.

Neos GeoSolutions, Exploration Division

Senior Geoscientist/Exploration Project Manager

11/2015-07/2017

Served as both Lead Geoscientist and/or Project Manager for regional, multi-client basin studies and block-scale evaluations for both farm-in opportunities and company held acreage. Key Projects include:

- Lead technical team for prospectivity assessment in Oman Block 36 with final recommendation to client to relinquish the block (Rub’ al Khali Basin).
- Lead Geoscientist for Pricaspian Block evaluations resulting in a recommendation that 2 acreage positions be sold with no new wells drilled with a cost savings of approximately \$100 million (Russia, Kazakhstan).
- Successfully mapped Vaca Muerta clinofolds using seismic and well data to delineate reservoir quality and identify exploratory shale well locations in Totoral Block, Neuquén Basin (Argentina).
- Project Manager for Lower 48 hydrothermal dolomite regional exploration program, built and deployed a petrophysical model to characterize the reservoir, led a team in acreage evaluation, and produced final recommended strategies for acreage purchase decisions to executive management.

Project Geoscientist/Project Manager

05/2014-11/2015

- Managed a team of 10 geoscientists and delivered a prospectivity assessment of the Lower Mancos Shale in the San Juan Basin that resulted in a predicted EUR map which high-graded the client’s key acreage.
- Geoscience lead on regional exploration study of the Vaca Muerta Shale which high-graded 1500 square kilometers of oil prospectivity and proved the location for the Bajo de Choique discovery well by ExxonMobil which had the highest liquids flow rate to date in the basin.

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Geoscientist

04/2011-05/2014

- Delineated regional Marcellus Shale unconventional sweet spots through well correlation, structural mapping, reservoir quality analysis, and seismic and potential field integration.
- Developed a new hydrocarbon maturation model for the Vaca Muerta Shale by combining a subsurface 3D model with geochemical data and remotely sensed data, revealing new areas of opportunity previously considered to be overmature.
- Successfully mapped the Chainman Shale in the Great Basin, Nevada by integrating interpretations of 2D seismic and ground electromagnetic (MT) data, resulting in the client paying \$750,000 for a phase 2 project.

Schlumberger/WesternGeco

Geophysicist

05/2006-03/2011

- Lead 2D and 3D land seismic projects involving processing, testing, and delivering results to client.
- Time and Depth seismic imaging projects including KPSTM, KPSDM, AVO, and VTI Anisotropy
- Successfully delineated faults, salt mapping, and other stratigraphic horizons on large multi-client GoM surveys using Petrel software.
- Infield Acquisition Geophysicist for the Q Land 3D North American Processing Team Permian Basin, Piceance Basin and North Slope Alaska (2008).
- Completed the 3 year Schlumberger Training Program with three promotions/grade level changes with final results presented to North American Senior Management Team.

SOFTWARE:

Petra, SMT Kingdom, Petrel, Hampson-Russel, ArcGIS, Global Mapper, Geosoft - Oasis Montaj, IHS Enerdeg, Oil and Gas Commissions Web-based platforms. Familiar with all PC, UNIX/LINUX, and Mac-based operating systems.

EDUCATION:

North Carolina State University, Raleigh, NC

M.S. in Earth Sciences, (GPA 3.8)

Class of 2005

- Thesis: "Sedimentary Features of the Yangtze Derived Mud Deposits on the Inner Shelf of the East China Sea." <http://www.lib.ncsu.edu/theses/available/etd-04132005-164824/>
- Research focused on deltaic systems, seismic sequence stratigraphy, source-to-sink.
- Participated in offshore geophysical and geological investigations on the inner shelf of the East China Sea funded by Office of Naval Research and the National Science Foundation.

State University of New York, Geneseo, NY

B.A. in Geological Sciences, Minor in Environmental Studies

Class of 1999

- Completed Geological Field Camp in Costa Rica collecting field samples, mapping ophiolite sequences, and mapping tephra stratigraphy of Arenal Volcano.

COURSES:

- Evaluating Shales & Other Tight Oil & Gas Reservoirs, SCA. Houston, TX
- Multivariate Statistics Course, Drilling Info, Denver, CO
- Dolomitization with Applications to Hydrocarbon Exploration, AAPG. Houston, TX
- Seismic Interpretation for Explorationists, RMAG-PTTC. Denver, CO
- Well Log Sequence Stratigraphy, PTTC. Denver, CO
- Open Hole Log Interpretation and Petrophysics of Unconventional Resources, PTTC. Golden, CO
- Basic, Intermediate, and Advanced Mapping Petra Courses, PTTC. Denver, CO
- Foundations in Petrophysics, Petro-Skills. Dallas, TX
- Data Processing START School, Advanced Data Processing Training - Schlumberger-WesternGeco. Houston, TX
- Depth Imaging, Schlumberger-WesternGeco. Houston, TX
- Project Leader School, Schlumberger-WesternGeco. London, England