

David A. Barthelmy, C.P.G

3607 Aldergrove Dr.
Spring, Texas 77388
(281) 350-4120 (H)

SUMMARY

Results oriented, certified petroleum geoscientist with over 26 years of strong analytical and innovative experience in successful exploration and development prospects using oil & gas geology, geophysics, and geochemistry. Pioneered computer usage to analyze/visualize complex problems and provide cost effective answers. Multi-talented problem solver with bottom-line orientation with experience in Research and Development, Production Operations, EOR Reservoir Evaluation, Partner Operations, Regional Exploration in carbonates and sandstones, Geophysical Interpretations, Economic Evaluations, Petrophysical Research and Interpretations, and Computer Work Flow development.

EXPLORATION & DEVELOPMENT EXPERIENCE

Exploration Prospects

- Performed regional lithofacies analysis and prospecting for **Smackover, Hosston, Haynesville, and Cotton Valley** in the **Mississippi Salt Basin, MS-AL**. Developed multivariate statistical lithofacies prediction program for lithology, porosity, and permeability estimates in carbonate rocks using geophysical logs. Combined seismic, well, and academic data into coherent exploration picture.
- **Geophysical interpreter** in **Alaska** for prospect evaluation/delineation of Paleozoic, Mesozoic, and Tertiary prospects. Many of these prospects required an emphasis of prospects using **seismic stratigraphy** for onshore and offshore **State and Federal lease sales**.
- **Cook Inlet, Alaska**. Remap of South Cook Inlet for 1994 Federal Sale. Evaluate and present selected Cook Inlet prospects to outside investors.
- Reevaluation of the coastal plain of the **Arctic National Wildlife Reserve (ANWR)** seismic data in the light of new geologic information and advances in seismic processing.
- **North Slope, Alaska**, Seismic sequence stratigraphic mapping of deep water turbidite sands and Mesozoic/Tertiary unconformity prospects.

Development-Outpost Prospects

- **Coordination**, supervision, and **mapping** of oil & gas well drilling prospects using 2D & 3D seismic for the following areas:

Austin Chalk & Buda regional production trends and **fracture**-zone delineations.

Onshore Texas Gulf Coast Eocene and Miocene Trends.

South Texas. Charizo-Wilcox gas play.

Mississippi Salt Basin. Cretaceous & Jurassic sandstones and limestones.
Onshore Louisiana Miocene Trend. Hackberry channels and **Salt domes.**
East Texas. Smackover, Wilcox and Cretaceous sands.

- **Development** of petroleum prospects, workovers, log analyses, partner operations and general subsurface mapping using well data, 2D, and 3D seismic and in the following areas:
 - Michigan Basin,** Northern **Silurian Reef** trend.
 - Appalachian Basin** (West Virginia, Pennsylvania, and New York) Petroleum development in the **Bradford, Benson, Oriskany, and Elk Sandstones.**
 - Mid-Continent** (Kansas, Oklahoma, Texas Panhandle, N. Texas, Arkansas). **Anadarko** (Shelf and Deep), **Ardmore, Arkoma** (Oklahoma and Arkansas).
 - South Louisiana,** Development of Miocene sands in complexly faulted salt structures.

Enhanced Oil Recovery (EOR) Prospects

- Reservoir characterizations in **New Mexico** on Eunice Monument South field in **Greyberg-San Andres** carbonates from logs, cores, and production data.
- Pioneered the statistical generation of complex reservoir models from logs and cores.
- **Permian Basin.** **Greyberg** dolomites in several Chevron-operated fields.

Regional Geoscientific Investigations

- **Geochemist** who integrated geology and geochemistry in the following areas: **Wind River** development in **Shirley Basin,** WY and Quaternary **Searles Lake,** CA. Evaluated potash in the **Salado** evaporites, **Permian Basin** using geostatistical analysis.

EDUCATION

M. S. Geology San Diego State University, San Diego, CA
B. S. Geology San Diego State College, San Diego, CA

EMPLOYMENT

DLB Oil & Gas, Inc., THE Prudential, Pennzoil, Wexford Management, WRT Energy Corp., KC Medallion, Cheyenne Res. Senior Geological & Geophysical Consultant	1992-present
Chevron USA, Houston, Texas	1985-1992
<i>Senior geologist, Houston, TX, Western Exportation Business Unit, 1985-1992</i>	
Gulf Oil EL&P Co.(Merged Chevron 1985) <i>Project geologist, Houston, TX, Eastern Exploration District, 1983-1985</i>	1979-1985
<i>Geologist, Oklahoma City Area Production Office, OKC, OK, 1979-1983</i>	

Kerr McGee Corp. Oklahoma City.

1975-1979

Geochemist in an integrated energy company corporate R&D facility.

FMC Corporation, San Diego, California

1968-1975

Operating Engineer, Industrial Chemical Division.

PROFESSIONAL CERTIFICATION AND MEMBERSHIPS

Houston Geological Society (HGS), Member

Geological Society of America (GSA), Member

American Association of Geologists (AAPG), C.P.G #3016, Division of Professional Affairs