

JOSEPH P. LEMON
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PROFESSIONAL SUMMARY

Highly successful geoscientist with extensive experience in the oil and gas industry of the Appalachian Basin. Solid prospect generator with unique insight into integration of geological and geophysical data for total interpretation product. Proficient in Kingdom/SMT, Seisvision 2D/3D, and Geographix Discovery System interpretation products. Experienced in Landmark Seisworks interpretation software.

PROFESSIONAL EXPERIENCE

Chesapeake Energy Corporation, Charleston, WV

2005 – Present

Senior Geophysicist – Chesapeake Appalachia, LLC

Responsible for all geophysical functions in eastern and central WV and southern PA. Oversight of design, acquisition, processing and interpretation of 2D and 3D seismic programs. Integration of geological and geophysical data, modeling, quality control and application of new processing methods to 2D and 3D seismic.

- Interpreted extensive library of company's proprietary and spec 2D data to provide a general framework to direct Marcellus shale exploration and development drilling in northern WV and southwestern PA.
- Interpreted 64 square mile 3D volume for Marcellus shale and Oriskany sand evaluation resulting in geologic hazard avoidance areas for horizontal drilling program. Also identified deep Rome leads for future exploration along eastern margin of Rome Trough.
- Supervised design, acquisition, and processing and interpreted 65 square mile 3D program in complex "frontal zone" area for Oriskany sand exploration and development locations. Interpretation resulted in resolution of previously undefined fault blocks for exploration targets.
- Reprocessed and interpreted 1980's vintage seismic data resulting in identification of over a dozen drilling locations and drilling of 4 productive Oriskany wells in complexly thrust faulted area of eastern WV.
- Licensed, reprocessed and interpreted a 30 square mile 3D in eastern WV across productive Oriskany sand field resulting in identification of adjacent prospective structures and prompted 3 year lease acquisition program.
- Reprocessed and interpreted 2D data in central WV for Oriskany vertical and Marcellus vertical and horizontal drilling locations. Oversight of microseismic acquisition, processing and interpretation for future Marcellus well design, spacing and frac design.
- Directed lease acquisition programs for Marcellus shale and Oriskany sand projects in WV, PA and OH.

- Recruited and mentored younger geologists during staff expansion.

Columbia Natural Resources (Triana Energy, LLC, Nisource, Columbia Gas System), Charleston, WV

2003 – 2005

Senior Geophysicist/Geologist

Responsible for all geologic facets of rapidly changing lower Huron drilling program from initial location through completion.

- Performed log correlation and analysis, mapping and cross section construction for detailed geologic and geophysical assessments of legacy and emerging prospects.
- Transitioned ongoing development program from Triana to Chesapeake in 2006

2000 – 2003

Senior Geophysicist/Geologist

Responsible for all seismic acquisition, processing and interpretation in northern WV and OH.

- Developed prospects in Trenton-Black River, Rose Run and Oriskany/Huntersville resulting in successful wells and field development in structurally and stratigraphically complex areas
- Provided geologic oversight for lower Huron development drilling program in eastern KY

1986 – 2000

Senior Geophysicist

Project Geophysicist for numerous areas in the Appalachians including KY, VA, WV, OH, NY and VT.

- Developed prospects targeting Oriskany, Trenton/Black River, Rose Run, Devonian shales and shallow Devonian and Missippian sands resulting in successful exploration and development drilling programs
- Acquired, processed and interpreted multiple 2D and swath programs resulting in discovery of several fields as well as continued development of shallow sands and shales
- Directed lease acquisitions and renewals
- Developed methods of fracture characterization from seismic for lower Huron location optimization resulting in increased reserves per well
- As part of team, implemented transition of department to digital system resulting in more efficient analysis and interpretation products

Columbia Gas Transmission

1979 – 1986

Geologist/Geophysicist

Began service as well sight geologist in Medina play of western NY and PA. Transitioned into geophysical group in 1981 owing to expertise in seismic processing and acquisition. Initial interpretations resulted in discovery of 2 Oriskany fields and 20+ well development program.

EDUCATION

B.S. Geology, Marshall University, Huntington, WV
Geologic Field Camp, Miami University, Oxford OH

CERTIFICATIONS

Certified Petroleum Geophysicist #85 (AAPG)

PROFESSIONAL AFFILIATIONS

American Association of Petroleum Geologists (AAPG)
Society of Exploration Geophysicists (SEG)
Appalachian Geological Society (AGS)
Ohio Geological Society (OGS)
Geophysical Society of Oklahoma City (GSOC)

TRAINING (recent)

“SMT/Kingdom Suite” presented by Seismic Micro-Technology, Inc

“Seisvision” presented by Landmark/Halliburton

“Integrated Interpretation using GGX” presented by Landmark/Halliburton

“An Objective Approach to Seismic Acquisition, Processing and Reprocessing” presented by Nautilus World Training

“Applied Compressional Structural Geology” presented by Nautilus World Training

“Structural Principles and Trap Geometries in the Northern Appalachians” presented by Petroleum Technology Transfer Council