

Professional Summary

I am a seasoned geophysicist with 39+ years of experience in oil & gas exploration and development. Recent geographic areas of expertise are the North Slope, Cook Inlet and interior basins in Alaska. I have past exploration experience in Australia and New Zealand. I have identified prospects and drilled exploration wells in Australia, New Zealand and Alaska. My geophysical mapping has supported extensive development drilling programs for both the Kuparuk and Prudhoe Bay fields. My geophysical interpretation supported the delineation and start-up of the Tabasco field in the Kuparuk unit.

I have successfully worked in and led multi-disciplinary teams on focused projects including basin evaluation, outlining 2D/3D seismic programs from acquisition/processing through interpretation/prospect development and drilling, and building full field models for enhanced reservoir development. I make it a point to recognize expertise and enable others to use their specialties to advance projects and the business. I thoroughly enjoy working with others in a highly technical team environment. I drive solutions, focusing on timely safe delivery of value through improved subsurface imaging.

Personal Strengths:

- Excellent technical and analytical skills, always looking for innovative approaches to problems while sticking to discipline fundamentals
- Focus on timely delivery of accurate top-quality products
- Integrate diverse pieces of information to achieve a deeper understanding of geophysics/geology to fit business requirements
- Work easily in technically diverse teams, capitalizing on strengths of team individuals, listening to develop, share and achieve team visions and goals
- Communication of technical and business information in an effective manner to diverse groups
- Firm belief in enabling others to grow and produce
- Drive to meet time and business resource constraints, safely delivering value

Professional Associations/Certifications:

AAPG, SEG, AIPG CPG #07186

PROFESSIONAL EXPERIENCE

Geophysicist, Petrotechnical Resources of Alaska (PRA), Reservoir Management, Exploration, 03/15 to present:

Duties for clients include:

- Cook Inlet, detailed 3D seismic mapping, integration of seismic, well log and production data to support geophysical attribute studies, assess possible exploration drill targets, and support for building/updating geo-cellular model for Cook Inlet gas storage
- AK Interior Nenana Basin, map and evaluate infill 2D seismic in Nenana Basin, use seismic attributes such as AVO to help refine leads, QC 3D seismic acquisition/processing, and evaluate new 3D seismic data through structural mapping, integrating available AVO and other seismic attributes to refine prospects for exploration drilling
- Monitor exploration wells while drilling, building synthetic seismograms to ensure well bore is accurately drilling pre-set targets and highlighting potential drilling hazards
- North Slope AK, extensive 3D seismic mapping on central and eastern North Slope Alaska for support of both development and exploration

Senior Geophysicist, BP Alaska, Reservoir Management, Ivishak Water Flood, 05/2013 to 02/2015:

Duties include:

- Detailed 3D seismic mapping, integration of seismic, well log and production data to support geophysical attribute studies, strategies for accelerated water flood development and support for building/updating geo-cellular model
- Develop seismic tools (AVO, 4D) for use in fluid ID for strategic field decisions
- Support New Wells Delivery in locating drill targets and planning wells
- Coach/mentor new geophysicists

Senior Geophysicist, BP Alaska, Viscous Oil Renewal Team, 05/2010 to 05/2013:

Duties include:

- Design, build and safely execute geophysical technology plan for safe repeatable, economic and timely subsurface images for reservoir production monitoring of viscous and heavy oil at scale
- Globally communicate and share ideas on technology and evaluation results
- Analyze and implement 4D seismic data over the Milne Pt Schrader Bluff field, pass that knowledge to asset teams
- Coach/mentor new geophysicists

Fieldwide Geophysicist, BP, Greater Prudhoe Bay Unit (GPB) 10/2004 to 05/2010:

Duties include:

- Interact, communicate and influence BP management and GPB co-owners to build a safe long-term seismic strategy for further field development and depletion
- Develop and support planning/acquisition, processing and interpretation of 3D and 4D projects
- Detailed 3D seismic mapping, detailed integration of seismic and well log data to support attribute and 4D analysis
- Communicate geophysical technical issues on a company-wide basis
- Develop a valuation method to assess seismic data in terms of barrels and resource progression
- Lead a multi-discipline, multi-company team in the construction of a fieldwide Prudhoe Bay geocellular model, the source for running the new PBU Full Field simulation model
- Coach/mentor new geophysicists

Development Geophysicist, ARCO/BP, Prudhoe Bay Unit (3/1999 to 10/2004):

Duties Include:

- Detailed 3D seismic mapping, detailed integration of seismic and well log data to support well planning and drilling for Gravity Drainage
- Extensive communication and teamwork with engineers, geologists and other geophysicists to maintain a safe successful drilling program

Development Geophysicist, ARCO Alaska, Kuparuk River Unit (7/1994 to 7/1997)

Duties include:

- Detailed structural mapping to support a safe Kuparuk drilling program
- Development of new 3D seismic program for western KRU extension
- Developing opportunities for additional production (Tabasco Field)

Exploration Geophysicist, ARCO, North Slope Alaska (7/1991 to 7/1994, 7/1997 to 3/1999):

Duties include:

- Lead evaluation teams on state lease sales, using geophysical technologies such as AVO to efficiently identify, evaluate prospects and drill prospects
- Ensure 'modern seismic data' would be available for Alaska state lease sales

Research Geophysicist, ARCO, Plano TX (10/1989 to 7/1991)

Duties include:

- Regional seismic interpretation, identifying prospective regional reservoir/source rock trends as part of regional assessment studies, including Northwest Shelf of Australia and Barrow Arch, North Slope of Alaska
- Team teaching sequence stratigraphic concepts throughout ARCO Oil & Gas Co

Exploration Geophysicist, ARCO International, Los Angeles CA (7/1980 to 10/1989):

Duties include:

- QC of development well plans for the ARCO Northwest Java Sea Contract area
- Geophysical evaluation of acreage for lease sales and farm-out opportunities in Australia, New Zealand and other areas of the Far East
- Developing ARCO-held acreage on Northwest Shelf of Australia and Taranaki Basin, New Zealand
- Outlining and executing offshore 2D seismic programs for the generation and evaluation of new and existing prospects