



# Thomasson Partner Associates, Inc. Thomasson International Ventures, Inc.

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## TPA Exploration Strategies

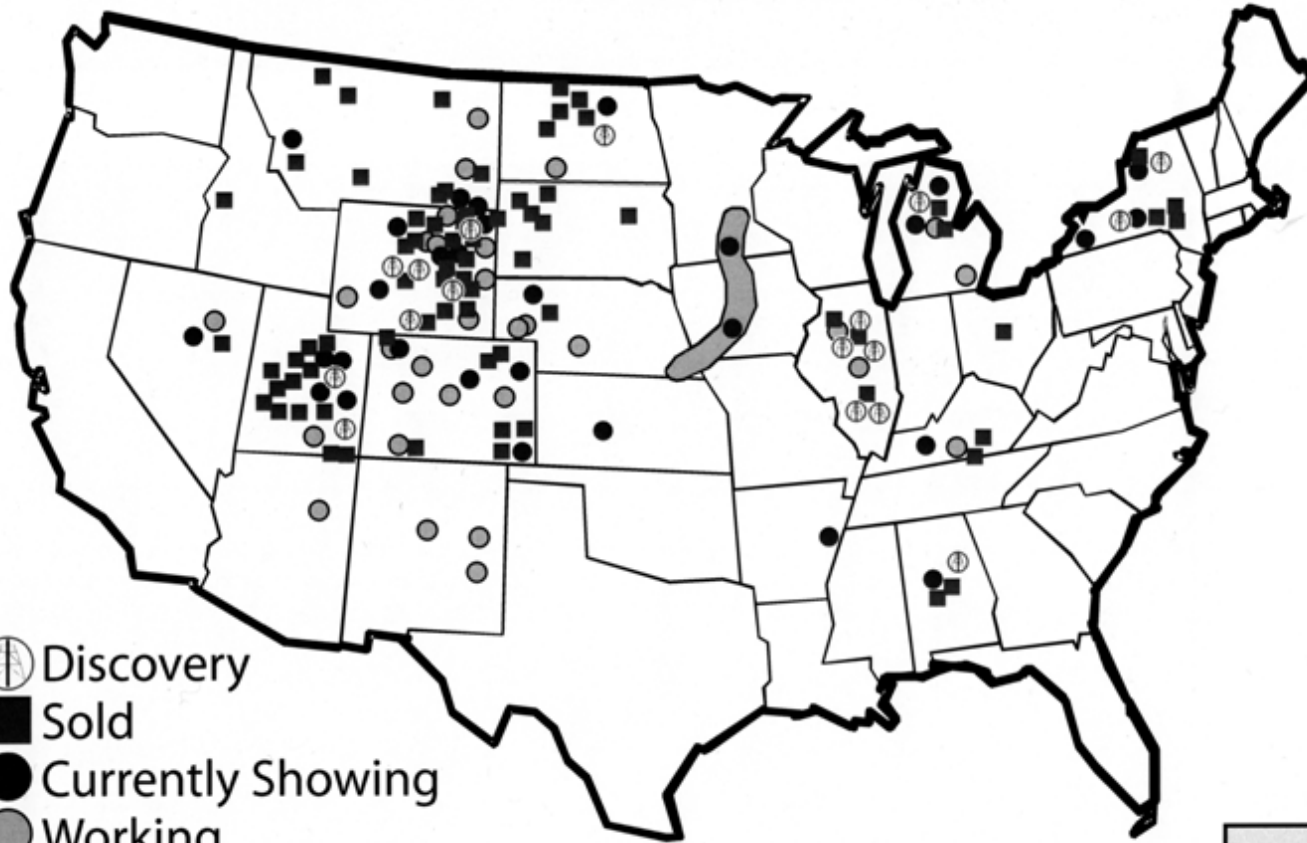
- ✓ High Impact Project Potential (500 BCFG to 5 TCFG)
- ✓ Large Field Size Potential (50 to 1,000 BCFG)
- ✓ Multiple Objectives on Trend or Near Production
- ✓ Seismically Definable Analogs
- ✓ Inexpensive Exploration Costs and Limited Competition
- ✓ Problem-free Drilling and Completion
- ✓ Risk Reduction Through Technology







**Providing Major Domestic and International Exploration Opportunities**

# TPA EXPLORATION ACTIVITY MAP

Founded 1991



-  Discovery
-  Sold
-  Currently Showing
-  Working

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- TPA Technical Alliances
- Halliburton, Schlumberger
  - Drilling
  - Completing
  - Fracturing
  - Operations
  - Prism Seismic
  - Geophysical Processing
  - Vector Geophysical
  - Geophysical Processing
  - Humble Geochemical
  - Source Rocks

**CURRENTLY :**  
**567 PRODUCERS**

**FOCUS AREAS**

- Rockies
- Mid-continent
- Appalachians
- New Zealand

Projected Drilling for 2009	
Colorado	1
Montana	7
Wyoming	4
Utah	10
North Dakota	2
New York	1
Illinois	1
Alabama	1
<b>TOTAL</b>	<b>27</b>

# TPA PLAY ACTIVITY HIGHLIGHTS

## AVAILABLE PROJECTS

**BASIN AND RANGE** - Thick mature organic rich shales and large undrilled structures offer enormous potential oil volumes.

**CLASSIC CLASTIC ROCKIES BASIN** - multiple TCFG potential.

**KANSAS** - Geochemical, subsurface and geophysical data combine to identify a very large oil project similar to the Ames, Oklahoma meteorite structure. 11,400 acres leased.

**NEBRASKA** - A Cretaceous multi-objective prospect, similar to 40+ BCFG analog.

**NEW YORK** - A drill-ready site for Oriskany gas is located in the Marcellus shale-gas fairway. 954 acres for sale. Offsets producer.

**NEW YORK** - An extension to TPA's active shallow gas project is available. A strong market and TPA's unique knowledge in this high potential area, make this an exceptional project. A companion project sold and will be drilled soon.

**RIFT BASIN GAS PLAY** - A highly prospective major play in a large basin with an active hydrocarbon (gas) system. Subsurface, seismic and aeromag define huge undrilled structures, and a source, reservoir, seal sequence. Approximately 100,000 acres are assembled. 50% available.

**ROCKY MOUNTAIN BASIN** - Shallow Cretaceous Sharon Springs and Niobrara formations offer potential for up to 1 TCFG of biogenic gas.

**SOUTH DAKOTA** - A shallow biogenic gas project with multiple structures.

**WYOMING** - Offset to 1950's strong oil show well is available. Land in place and ready to drill and drain the reluctant down-dip owner.

**FRANCE** - A 4-year geologic, satellite-imagery, and soil-sampling program has revealed a giant oil seep on a large structure in an undrilled area of France.

## ACTIVE PROJECTS

**ALABAMA** - In the Black Warrior Basin targets include stacked Paleozoic, gas pervasive sandstones, shale gas, and secondary deeper structural carbonate potential. A 2008 well is producing.

**COLORADO** - Shallow structural prospects are based on 1000+ miles of seismic. Targets are Paleozoic, at less than 6000'. Play potential exceeds 100 MMBOE. 16,000 acres in hand.

**COLORADO** - Approximately 3,000 acres are assembled on a low risk oil and gas prospect, targeting Cretaceous sandstones. Seismic has been acquired and results are positive.

**COLORADO** - A low risk, multi-million barrel prospect should be drilled in 2009.

**COLORADO** - Cretaceous Niobrara with a lay-down 10 MMBO analog field associated with seismically visible shear faulting is a financially attractive opportunity.

**ILLINOIS** - A seismic controlled structure was drilled, had great shows but proved a near miss. Reprocessing indicates a likely commercial location.

**MONTANA** - 250 mi<sup>2</sup> 3D seismic has been shot on 200,000 acre TPA interest lease position. A major shale gas play is being developed.

**NEVADA** - A shallow, high potential, structural oil prospect based on seismic, subsurface, gravity and geochemistry has been drilled and is being evaluated.

**NEW YORK** - A shallow gas project is being readied for drilling. A companion project is available.

**NORTH DAKOTA** - A very large potential project targets deep Paleozoic reservoirs in the Williston Basin. 15,000 acres are leased. First well is completed successfully.

**ROCKY MOUNTAIN BASIN** - Multiple shallow oil wells to be drilled in soon.

**UTAH** - A 3-D defined carbonate mound trend should be drilled in 2009 in the prolific Paradox Basin.

**UTAH** - A TPA project near Drunkards Wash Gas Field should be drilled by partners in 2009. Large potential, shallow gas is expected in these coalbed methane and sandstone targets.

**UTAH** - Four wells completed in a Uinta Basin Project after the acquisition of 20 mi<sup>2</sup> 3D. 21,000 acres in the drilling unit. More wells planned 2009.

**UTAH** - Organic-rich Paleozoic shales offer 1 to 3 TCFG potential in a resource play. 75,000 federal acres have been leased. First well is being evaluated and more wells are planned by an industry major.

**UTAH** - A large company plans to evaluate a multi-TCFG gas project on a block of over 175,000 acres.

**HEAVY OIL** - Projects are under development in Utah where bitumen recovery processes are being proven up.

**WYOMING** - 1,904 acres leased of a potential 50,000 acres in the Powder River Basin. Includes a field with five different water-free pays. 3D seismic has proven to be an effective tool in defining productive fracture trends.

**WYOMING** - A large potential oil project in the Powder River Basin. Several hundred miles of 2D seismic identify drillsites and leads for Dakota and Minnelusa targets.

**WYOMING** - The Cave Gulch-Waltman Field area, with more than 110 productive wells drilled since 1994 as the result of a TPA generated project, is currently operated by Bill Barrett Corporation. Production in Fort Union, Lance, Meeteetse, Mesaverde, Frontier, Muddy and Lakota ranging in depth from 4,500' to 18,500'. EUR could exceed 1 TCFG

**WYOMING** - Field step-out and exploratory Minnelusa prospects are leased. High quality oil with 3 to 10 MMBO potential.

**WYOMING** - Low risk potential for extension and infill of Cretaceous Muddy sandstone gas and oil production is documented with 2D seismic and subsurface control.

**WYOMING** - A large, fully-leased 20-40 MMBO seismic structure was drilled and is awaiting completion.

# TPA ASSOCIATES

NAME	EDUCATION	EXPERIENCE
John A. Andrew	BS, Geology, Tulsa U., MS, PhD, Geology, University of Wisconsin	Geologist - Shell Oil Co., Marathon, 40 years
James K. Applegate	GpE, MS, PhD Geophysical Engineering, Colorado School of Mines	Geophysicist - Marathon, Geotechniques, Std Oil of Calif., CSM, U of Adelaide, Boise St U, 41 yrs
Daniel Bakker	BS, MS, Geology, University of Wisconsin	Geologist - Shell Oil Co., Petro-Lewis Corporation, Mitchell Energy, 54 yrs
J. Edward Blott	BS, Mining Engineering, University of Alberta, PhD, Geophysics, CSM	Geophysicist - Amoco, Mesa, Banister Tech. Ser., Quest Expl., Petrel Robertson, 38 yrs
Leland D. Cress	BS, Geology, Los Angeles State U, MS, San Jose State U, PhD, CSM	Geologist - Pennzoil, Gustavson Associates, USGS, 31 yrs
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Ron Gonsalves	BA, MA, UC Berkley, Paleontology	Geologist - Shell, N Central, TXO, Snyder, CNG/Dominion, 43 yrs
Stan Grazis	BS, Chem, U of Illinois, MS, Geology, U of Colorado, JD, U of Denver	Geologist - Gulf, USGS, 37 yrs
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Susan M. Landon	BA, Geology, Knox College, MA, Geology, State U. of NY Binghamton	Geologist - Amoco Production, 34 yrs
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James D. Lowell	BS Geology, U of Nebraska, AM, PhD, Columbia University	Geologist - American Overseas Pet. Ltd., Exxon, Northwest Exploration, OGCI/Petroskills, 49 yrs
Lawrence A. McPeck	BS, Geological Eng, University of Kansas, MS, Geological Eng, CSM	Geological Engineer - Amoco, Koch Exploration Co., Consultant, 45 yrs
Terry J. Mather	BS, Geology, University of Wisconsin, MS, PhD, Geology, U of Colorado	Geologist - Shell Oil, Superior Oil, Houston Oil and Minerals, High Plains, Lariat, HS, 38 yrs
Lawrence D. Meckel	BA, Rice University, PhD, Johns Hopkins University	Geologist - Shell Oil, Sneider & Meckel Assoc. Inc., L.A. Meckel & Co., 44 yrs
Deborah R. Miles	BS, Geology, Math, Portland State, ME, Geophysics, Colo School of Mines	Geophysicist - Chevron, Phillips, Total, Terra Linda Group, 19 yrs
George E. Newman	BS, Mining Engineering, Colorado School of Mines, MBA, U of Denver	Petroleum Engineer - 3R Corporation, Petro-Lewis Corp., 30 yrs
Peter R. Rose	BS, MS, PhD, Geology, University of Texas	Geologist - Shell Oil Co., USGS, Energy Reserves Group, Rose Associates, 48 yrs
Kenneth O. Seewald	BA, MA, Geology, Baylor University, MBA, University of Denver	Geologist - Mobil, Forest Oil, Wichita Industries, Seewald Energy, National Fuel Corp., 41 yrs
Merrill Shields	George Washington U, Syracuse, JD, St. Mary School of Law	General Counsel - Licensed Texas, Colorado, US Supreme Court, 38 yrs
Erwin L. Single	BS, MS, Geology, University of Cincinnati	Geologist - Shell Oil Co., Juniper Petroleum Corp., Valex Petroleum, Inc., 51 yrs
Kenneth M. Skinner	BS Purdue, MS U of Houston	Geologist/Geophysicists - Phillips, Transcontinental Gas, Hunt, Everest, Independent, 20 yrs
James E. Sullivan	BS, Business, University of Colorado	Land Manager - Husky, Petro-Lewis Corp., Trend Exploration, Scarborough & Co., 35 yrs
M. Ray Thomasson	BA, MA, Geology, University of Missouri, PhD, Geology, U of Wisconsin	Geologist/Geophysicist - Shell, McCormick Oil & Gas, Spectrum Oil & Gas, Pend Oreille, 49 yrs
Thomas L. Thompson	BS, Geology, University of Colorado, PhD, Geology, Stanford U	Geologist - Phillips, Amoco, OU, JOIDES, Thompson's Geo-Discovery, Inc., 48 yrs
Janet Tyrrell-Ead	BS, Geology, Geophysics, University of the Witwatersrand	Geophysicist - Goldfields of South Africa, Erdas Imagine, 9 yrs