

2003 Annual Summary

Overview

In 2003, the Stripper Well Consortium (SWC) entered into its 3rd year of activities. By the end of 2003, the SWC held two meetings and two industrial awareness workshops, had 64 members, and committed \$1.13M to co-fund 12 proposals, bringing total commitment since inception to \$3.39M to co-fund 39 proposals.

Funding Commitments

The SWC held its spring meeting on May 5-6, 2003 at Pearl River, New York. A total of 27 proposals were received. The Executive Council approved \$1.13M to co-fund 12 proposals.

Technology Transfer

The first technology transfer meeting of 2003, was held at Rocky Mountain Oil Field Testing Center (RMOTC) on October 2-3, 2003 in Casper, WY. The first day was spent in the field to look at RMOTC facilities and review those SWC technologies being tested at RMOTC. The second day was dedicated to technical presentations of the 13 SWC funded projects for producers in the Colorado and Wyoming areas.

The SWC also hosted another technology transfer meeting in Lubbock, TX on October 30, 2003 for producers in the southwestern U.S..



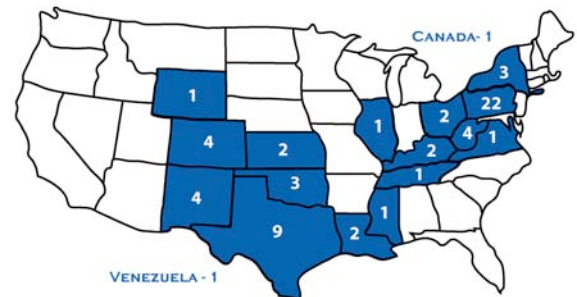
The last technology transfer meeting of 2003 was held in DuBois, PA on November 18, 2003 for producers in the northeastern U.S..

Raising Industry Awareness

The SWC continued to raise awareness of the SWC activities.

- On September 15, 2003 at the Pennsylvania Oil and Gas Association (POGAM) annual meeting in Grove City, PA, the Consortium provided exhibits of its associated activities.
- On November 11, 2003, the SWC gave presentations and had exhibits of current activities at the Independent Oil & Gas Association of NY (IOGA-NY) meeting in Buffalo, NY.

SWC MEMBERSHIP



Executive Council

Two Year Term (2002-2003)

Peter Bastian Quicksilver Resources
Jason Lacewell Republic Energy
John Papso Cabot Oil & Gas

Two Year Term (2003-2004)

Jim Ashbaugh PA General Energy Co.
Bernie Miller Bretagne
Len Paugh Great Lakes Energy Partners

Standing Council Members (non-voting)

Gary Covatch NETL, Strategic Center for Natural Gas
Dan Ferguson NETL, National Petroleum Technology Office
John Martin NYSERDA, Program Manager
Joel Morrison Penn State University, SWC Director

Stripper Well Consortium

www.energy.psu.edu/swc

Members

Industrial Participants

	Location
ABARTA Oil & Gas Co., Inc.	Pittsburgh, PA
Advanced Resources International	Arlington, VA
Anadarko Petroleum Corp.	The Woodlands, TX
Appalachian Well Services, Inc.	Indiana, PA
Belden & Blake Corp.	North Canton, OH
Benson-Montin-Greer Drilling Corp.	Farmington, NM
BJ Services Co.	Pittsburgh, PA
BP America	Farmington, NM
Brandywine Energy & Development Co., Inc.	Frazer, PA
Bretagne G.P.	Lexington, KY
Burlington Resources	Midland, TX
Cabot Oil & Gas Corp.	Charleston, WV
Colorado School of Mines	Golden, CO
Composite Engineers Inc.	Oklahoma City, OK
East Resources, Inc.	Warrendale, PA
EOG Resources, Inc.	Canonsburg, PA
Equitable Production Co.	Charleston, WV
Field Management LLC	Jackson, MS
Furness Newburge, Inc.	Versailles, KY
Great Lakes Energy Partners, LLC	Yatesboro, PA
Hart Resource Technologies	Creekside, PA
I.L. Geer & Sons	Clarendon, PA
Independent Oil & Gas Assoc. of NY (IOGA-NY)	Lakeview, NY
Independent Oil & Gas Assoc. of PA (IOGA-PA)	Wexford, PA
Innovative Discovery Technologies, LLC	Laramie, WY
James Engineering, Inc.	Marietta, OH
Jetta Operating Co., Inc.	Fort Worth, TX
Lenape Resources, Inc.	Alexander, NY
Louisiana State University	Baton Rouge, LA
Marathon Oil Co.	Denver, CO
Marjo Operating Co., Inc.	Tulsa, OK
Minard Run Oil Co.	Bradford, PA
Murfin Drilling Co., Inc.	Wichita, KS

Industrial Participants

	Location
Natural Oil and Gas Corp.	Bradford, PA
New York State Department of Environmental Conservation	Albany, NY
North Penn Pipe & Supply	Warren, PA
OK Commission on Marginally Producing Oil & Gas Wells	Oklahoma City, OK
PDVSA Intevep	Caracas, Venezuela
Penn State University	University Park, PA
Penneco Oil Co., Inc.	Delmont, PA
Pennsylvania General Energy Co. LLC	Warren, PA
Pennsylvania Oil & Gas Assoc.	Bainbridge, PA
Petroleum Technology Transfer Council	Houston, TX
Petroleum Technology Transfer Council North Midcontinent Research Center	Lawrence, KS
Phillips Production Co.	Warrendale, PA
Pumping Solutions	Albuquerque, NM
Quicksilver Resources, Inc.	Ft. Worth, TX
RealtimeZone	Roswell, NM
S.W. Jack Drilling Co.	Indiana, PA
Schlumberger Holditch – Reservoir Technologies	Pittsburgh, PA
Seneca Resources Corp.	Sigle, PA
Surtek, Inc.	Golden, CO
TechSavants, Inc.	Wheaton, IL
Tennessee Oil & Gas Assoc.	Brentwood, TN
Texas A&M University	College Station, TX
Texas Railroad Commission	Austin, TX
Tubel Technologies Inc.	The Woodlands, TX
Universal Well Services, Inc.	Meadville, PA
Vaderzaad Holdings Inc.	Baton Rouge, LA
Vortex Flow, LLC	Aurora, CO
W.T. Chatham Associates Ltd.	Hamilton, Ontario Canada
W&W Vacuum & Compressors, Inc.	Abilene, TX
West Virginia Geologic & Economic Survey	Morgantown, WV
West Virginia University	Morgantown, WV

Funded Projects*

Retrofit Three Existing Open Hole Completed Wells to Improve Production Via Use of the G.O.A.L. Petropump
Brandywine Energy & Development Co.

Plunger Conveyed Chemical System for Plunger Lift Wells
Composite Engineers Inc.

Locating the End of Tubing for Effective Production of Gas
Colorado School of Mines

Restimulation of Three Understimulated Shallow Gas Wells Coupled with the Installation of Pumping Equipment to Accelerate Post-Stimulation Fluid Removal
Lenape Resources

Gas Chamber Lift, Stage II
Penn State University

PVT Study of the Interaction of Nitrogen and Crude Oil
Penn State University

Enhanced Real-Time Propellant Activation During Downhole-Mixed Fracture Stimulation Process for Low-Permeability Stripper Wells
RealtimeZone Inc.

Establishing Programs to Reimburse Operators for Produced Water Desalination

Texas A&M University

Sonication Stimulation of Stripper Well Production in the East Gilbertown Field, West-Central Alabama

TechSavants, Inc.

Low Cost Wireless Communications Based Pressure and Temperature Gauge for Production Optimization Applications

Tubel Technologies

Field Testing of the Vortex Oil and Gas Unit for Downhole Applications

Vortex Flow, LLC

Building and Testing a New Type of Compressor of Stripper Well Production Application

W&W Vacuum & Compressors, Inc.

***Note:** A one-page Executive Summary for each of these projects can be downloaded from the SWC website.
Revised April 2005