Overview
In 2004, the Stripper Well Consortium (SWC) entered into its 4th year of activities. By the end of 2004, the SWC held three meetings, had 49 members, and committed $1.09M to co-fund 10 proposals, bringing total commitment since inception to $4.48M to co-fund 49 proposals. In 2004, the U.S. Department of Energy (DOE) National Energy Technology Laboratory (NETL) provided Penn State University with a renewed a five-year, $7.4M award to continue the SWC’s activities. The SWC then worked to rebuild its memberships.

Funding Commitments
The SWC held its spring meeting on May 24-25, 2004 at Golden, CO. A total of 19 proposals were received. The Executive Council approved $1.09M to co-fund 10 proposals. After the presentations on day one of the meeting an excursion to Colorado School of Mines was hosted by Dr. Richard Christiansen.

Technology Transfer
The SWC was invited to participate in the Oklahoma Marginal Well Commission’s (OMWC) Technology Trade Fair on October 26, 2004 in Oklahoma City, OK. This event was attended by over 1,200 attendees and 150 exhibitors. The SWC funded 12 booth spaces to showcase past and present projects through a platinum sponsorship.

A second technology transfer was held for producers in the northeast in State College, PA on November 16, 2004.

Public Outreach
The SWC is committed to raising public awareness on the importance of domestic petroleum and natural gas stripper wells. The SWC had a unique opportunity to showcase its activities at the Clean Energy Expo at the Bryce Jordan Center in State College, PA. The event was held April 2-3, 2004 and drew over 11,000 attendees.

Raising Industry Awareness
The SWC participated in the New York State Energy Research and Development Authority (NYSERDA) scoping session on July 6, 2004 in Clymer, NY. The SWC discussed its activities with NYSERDA for their programming planning efforts.

The SWC participated in the Eastern Regional Society of Petroleum Engineers (SPE) meeting September 16, 2004 in Charleston, WV. The SWC had an exhibit at this meeting, along with DOE/NETL to showcase the importance of technology development in the domestic stripper well industry.

Executive Council
Two Year Term (2003-2004)
Jim Ashbaugh - PA General Energy Co.
Bernie Miller - Bretagne
Len Paugh - Great Lakes Energy Partners

Two Year Term (2004-2005)
David Burnett - Texas A&M University
Joseph Frantz - Schlumberger
Dave Wozniak - Belden & Blake

Standing Council Members (non-voting)
Gary Covatch - NETL, Strategic Center for Natural Gas
Dan Ferguson - NETL, National Petroleum Technology Office
Joel Morrison - Penn State University, SWC Director
Members

Industrial Participants | Location
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Advanced Resources International | Arlington, VA
American Hydroslotter Corp. | Toronto, Ontario Canada
Belden & Blake Corp. | North Canton, OH
Benson-Montin-Greer Drilling Corp. | Farmington, NM
Brandywine Energy & Development Co., Inc. | Frazer, PA
Bretagne G.P. | Lexington, KY
Burlington Resources | Midland, TX
Chautauqua Energy, Inc. | Westfield, NY
Colorado School of Mines | Golden, CO
Columbia Natural Resources, LLC | Charleston, WV
Composite Engineers Inc. | Oklahoma City, OK
East Resources, Inc. | Warrendale, PA
Eneytec, Inc. | Dallas, TX
eOG Resources, Inc. | Canonsburg, PA
eProduction Solutions | Houston, TX
Field Management LLC | Jackson, MS
Great Lakes Energy Partners, LLC | Yatesboro, PA
Hominy Creek Energy Co., LLC | Mannford, OK
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
James Engineering, Inc. | Marietta, OH
Lenape Resources, Inc. | Alexander, NY
Linn Operating, LLC | Pittsburgh, PA
Marjo Operating Co., Inc. | Tulsa, OK
New York State Department of Environmental Conservation | Albany, NY
Oak Resources, Inc. | Tulsa, OK
OK Commission on Marginally Producing Oil & Gas Wells | Oklahoma City, OK
Penn State University | University Park, PA
Pennsylvania General Energy Co. LLC | Warren, PA
Petroleum Technology Transfer Council | Houston, TX
Quicksilver Resources, Inc. | Ft. Worth, TX
RMOTC (Rocky Mountain Oilfield Testing Center) | Casper, WY
S.W. Jack Drilling Co. | Indiana, PA
Schlumberger Holditch – Reservoir Technologies | Pittsburgh, PA
Seneca Resources Corp. | Sigle, PA
Service Cleaning Corp. | Dallas, TX
Surtek, Inc. | Golden, CO
Texas A&M University | College Station, TX
Texas Railroad Commission | Austin, TX
Texas Tech University | Lubbock, TX
The Research Factory | Kilgore, TX
Tubel Technologies Inc. | The Woodlands, TX
United States Gypsum Company | Oakfield, NY
Universal Well Services, Inc. | Meadville, PA
University of Kansas | Lawrence, KS
Vortex Flow, LLC | Aurora, CO
W&W Vacuum & Compressors, Inc. | Abilene, TX
West Virginia University | Morgantown, WV

Industrial Participants | Location
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Funded Projects*

Advanced Technology for Infill and Recompletion Candidate Well Selection
Texas A&M University

Building and Testing a New Type of Compressor for Stripper Well Production Application
W&W Vacuum & Compressors, Inc.

Design, Construction and Evaluation of an Accurate, Low-Cost, Portable Production Well Tester
Oak Resources

Field Testing of the Vortex DXR Retrievable Insert Tool in Conjunction with Other Lifting Methods
Vortex Flow

Hydraulic Fracture Imaging
Universal Well Services

Low Friction Tubing for Gas Well De-Liquification
The Research Factory

A New Look at Foam for Unloading Gas Wells
Colorado School of Mines

Plunger Lift Process Optimization Using a Surface System for Plunger Generated Acoustic Noise Detection and Digital Signal Processing for Wellbore Plunger Location Monitoring
Tubel Technologies

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

Resolving Discrepancies in Predicting Critical Rate in Low-Pressure Gas Stripper Wells
Texas Tech University

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

Revised April 2005