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“Establishment of an Industry-Driven Consortium Focused  
on Improving the Production Performance of Domestic  
Stripper Wells”

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## **ABSTRACT**

The Pennsylvania State University, under contract to the U.S. Department of Energy, National Energy Technology Laboratory will establish, promote, and manage a national industry-driven Stripper Well Consortium (SWC) that will be focused on improving the production performance of domestic petroleum and/or natural gas stripper wells. The consortium creates a partnership with the U.S. petroleum and natural gas industries and trade associations, state funding agencies, academia, and the National Energy Technology Laboratory.

This report serves as the fifth quarterly technical progress report for the SWC. Key activities for this reporting period include: 1) completed and distributed the SWC technical bulletin “Keeping the Home Wells Flowing: Helping Small Independent Oil and Gas Producers Develop New Technology Solutions”, and 2) planning of the fall technology transfer meetings.

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## **1.0 INTRODUCTION**

The Pennsylvania State University, under contract to the U.S. Department of Energy (DOE), National Energy Technology Laboratory (NETL), is in the process of establishing an industry-driven stripper well consortium that will be focused on improving the production performance of domestic petroleum and/or natural gas stripper wells. Industry-driven consortia provide a cost-efficient vehicle for developing, transferring, and deploying new technologies into the private sector. The Stripper Well Consortium (SWC) will create a partnership with the U.S. petroleum and natural gas industries and trade associations, state funding agencies, academia, the National Energy Technology Laboratory, and the National Petroleum Technology Office.

Consortium technology development research will be conducted in the areas of reservoir remediation, wellbore clean up, and surface system optimization. Consortium members elected an Executive Council that will be charged with reviewing projects for consortium co-funding. Proposals must address improving the production performance of stripper wells and must provide significant cost share. The process of having industry develop, review, and select projects for funding will ensure that the consortium conducts research that is relevant and timely to industry. Co-funding of projects using external sources of funding will be sought to ensure that consortium funds are highly leveraged.

## **2.0 EXPERIMENTAL**

A description of experimental methods is required by the DOE for all quarterly technical progress reports. In this program, Penn State is responsible for establishing and managing an industry-driven stripper well consortium. Technology development research awards are made on a competitive basis. Therefore, this section is not applicable to the Penn State contracted activities. Technical reports from the individual researchers will be required to contain an experimental discussion section and will be submitted to consortium members and DOE for their review.

### **3.0 RESULTS AND DISCUSSION**

Key activities for this reporting period include: 1) completed and distributed the SWC technical bulletin “Keeping the Home Wells Flowing: Helping Small Independent Oil and Gas Producers Develop New Technology Solutions”, and 2) planning of the fall technology transfer meetings.

#### **3.1 SWC Technical Bulletin**

The SWC completed and distributed its technical bulletin entitled: “Keeping the Home Wells Flowing: Helping Small Independent Oil and Gas Producers Develop New Technology Solutions”. The SWC received 5,000 copies of the bulletin on June 2, 2005. The bulletin provides an overview of the U.S. energy supply challenge, the role of stripper wells in meeting the challenge, how the Consortium works, and a technology showcase of twelve SWC projects

Each SWC member was provided 10 copies of the bulletin and asked to distribute it to their colleagues. Members were provided additional copies upon request. In addition to the SWC membership mailing, several large mailings were coordinated through federal and state agencies.

These include:

- Rocky Mountain Oil Testing Center (160 copies),
- Petroleum Technology Transfer Council (730 copies),
- Independent Petroleum Producers of America (50 copies),
- Interstate Oil & Gas Compact Commission (160 copies),
- Oklahoma Marginal Well Commission (480 copies),
- New York State Energy Research Development Authority (50 copies),
- Pennsylvania Oil and Gas Association (200 copies),
- Independent Oil & Gas Association of New York (225 copies),
- Tennessee Oil and Gas Association (160 copies), and
- Houston Business Journal (50 copies).

## **3.2 Upcoming Meetings**

The SWC will host two technology transfer meetings in 2005.

**Warren, Pennsylvania.** The first technology transfer event will be held in Warren, Pennsylvania, at the Conewango Club on October 18, 2005. The meeting will be host to progress reports from 8current SWC research activities.

**Midland, Texas.** The second technology transfer event will be held in Midland, Texas at the Hilton Midland Plaza, Midland, Texas, on October 27, 2005. The meeting will be host to progress reports from 9 current SWC research activities.

## **4.0 CONCLUSIONS**

The SWC is preparing for it's upcoming fall technology transfer meetings and continues to participate in industry related conferences to increase awareness of the SWC and membership. The SWC has laid a solid foundation for technology development and membership growth for the upcoming year.

## **5.0 REFERENCES**

A listing of referenced materials is required by the DOE for each quarterly technical progress report. This technical progress report for the SWC did not utilize any reference material.