Reduce Costs, Improve Production with Underbalanced Drilling

July 11, 2001 is the date set for a new workshop sponsored by the OGS and PTTC to address the growing application of underbalanced drilling and completion methods. The workshop will objectively address the latest technologies in underbalanced drilling specifically for Midcontinent applications. The meeting will take place in Norman, Oklahoma, at Moore Norman Technology Center, and topics will include:

- What you can expect from the best of underbalanced drilling
- Underbalanced drilling procedures
- Equipment – rig, surface equipment and down hole equipment
- Safety – how to avoid problems
- Completions & production
- Regional examples

The instructor of the workshop will be William A. Rehm, Sr., Drilling Engineering Consultant for Maurer Technology, Inc. He has been active as a drilling engineer and president of horizontal drilling companies since the beginning of horizontal drilling. Bill helped develop the underbalanced-drilling concepts that revolutionized operations in the Austin Chalk, and was active in air drilling and aerated mud drilling. He was Manager of Technical Services for both Magcobar and Swaco, has been active in blowout control, and has published articles and written manuals for the USGS blowout-control training schools. He is currently working on an underbalanced drilling manual for the International Association of Drilling Contractors (IADC). With more than 50 technical articles in leading technical journals, and five patents on drilling equipment, he is considered one of the world’s leading experts in underbalanced drilling.

Mr. Rehm will be accompanied by Tom Williams, Maurer Vice President for Business Development. Mr. Williams held Senior Executive Positions at the Department of Energy and Interior during the (Sr.) Bush Administration from 1989 to 1993, and serves on a number of oil and gas organizations. He was active in developing new technology transfer programs for the PTTC including the highly successful “Optimized Horizontal Well Technology.”

Maurer Technology, Inc., Houston, Texas, is an engineering technology firm serving a wide array of clients in the petroleum, mining, and utility industries as well as governmental and institutional research organizations. Maurer recently was acquired by Noble Drilling, Inc., but continues to provide

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contract engineering services, design and analysis services, computer software development, product development, training, and joint-industry research programs. The company has developed special expertise in horizontal-well technology, underbalanced drilling and completions, and coiled-tubing operations design.

Maurer has been a pioneer in drilling-related joint industry research programs. The DEA-101 Underbalanced Drilling Technology is a Maurer Technology joint industry research project aimed at assisting participants in applying underbalanced drilling (UBD) technology into their field operations. This JIP study includes evaluating new technology, writing case histories, developing software, holding forums, and the world’s first UB drilling manual (written by industry experts and comprising over 450 pages). Three computer programs have been developed dealing with two-phase hydraulics and UB drilling cost planning. The principal program, MUDLITE, is a world-class program for simulating UBD processes.

The workshop meets at the Moore Norman Technology Center on Wednesday, July 11, from 9:00 a.m. to 4:00 p.m. On-site registration will be accepted. The workshop registration fee is $40, which includes coffee breaks, lunch, and a workbook created specifically for this meeting. For more information, contact Michelle Summers at the OGS.

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