



# Practical Solids Control School

## Course Description

Efficient Solids Control means LOWER DRILLING COSTS. This intensive four-day school covers the basics of solids removal from drilling fluids. Economics as related to mud costs and penetration rates are stressed. A mix of practical, as well as technical, material is presented in non-technical terminology making this course ideal for Drilling Foremen, Drilling Technologists, Drilling Engineers, Mud Engineers, Drilling Supervisors, Drilling Superintendents, or anyone involved in drilling or drilling operations.

## Efficient Solids Control produces the following potential benefits:

- Increased Rate of Penetration (ROP)
- Increased Bit Life and Reduced Bit Consumption
- Reduced Mud Costs and Waste Disposal Costs
- Fewer Hole Problems
- Reduced Abrasion and Pump Wear
- Compliance with Environmental Cuttings and Discharge Guidelines

Students who have successfully mastered the Practical Solids Control Course will receive a Certificate of Completion and will have a thorough comprehension of the following material:

- The Basics of Solids Control
- The Economics and Benefits of Good Solids Control
- How Solids Control Equipment Functions
- Proper and Efficient Rigup of Equipment Versus Improper Rigup
- Guidelines for Evaluation of Students' Own Solids Control Systems
- Efficient and Effective Management of Solids Control Reduces Drilling Costs

## INSTRUCTOR: W. S. (Bill) Cagle

President of Cagle Oilfield Services, Inc. and Manager of Soli-Con, L.L.C., Tulsa, Oklahoma; 11½ yrs. with Amoco in Production, Drilling, and Drilling Research (1966-1978); 4½ yrs. in Mud & Solids Control Research at Amoco Research; General Manager of Derrick Equipment Sales & Rental Co.'s for 2½ yrs. (1978-1980); Vice-President of Derrick Equipment Co. for 1 yr. (1980-1981); Past Chairman of API Subcommittee on Formation Pressures & Fracture Gradients; Past Vice-Chairman of IADC Mud Equipment Committee; Member of SPE of AIME; B.S. Petroleum Engineering, M.S. Mechanical Engineering, Mississippi State University.

## Course Outline

- Day 1
  - Initial Test
  - Introduction and Basics
  - Mud
  - Homework: Exercise I
- Day 2
  - Review and Homework
  - Shale Shakers
  - Centrifugal Pumps and Line Sizing
  - Homework: Exercises II and III and Pump Sizing Problem
- Day 3
  - Review and Homework
  - Degassers
  - Hydrocyclones
  - Mud Cleaners
  - Homework: Exercise IV
- Day 4
  - Review and Homework
  - Centrifuges: Exercise V
  - Manifolding
  - Stirring and Mixing
  - Mud System Layouts
  - Overall Review
  - Final Test

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## Course Schedule

SCHEDULED DATES	PLACE	FEE	LOCATION
May 7-10, 2012 (Monday-Thursday)	Shell Robert Training and Conference Center 23260 Shell Lane Robert, LA 70455 Phone – Colette Brignac: (985) 543-1200	\$2,350	Robert, LA
July 9-12, 2012 (Monday-Thursday)	TIEC, Inc. Houston Training and Conference Center 480 N. Sam Houston Pkwy E., #270 Houston, TX 77060 (281) 448-8432	\$2,350	Houston, TX
August 6-9, 2012 (Monday-Thursday)	TIEC, Inc. Houston Training and Conference Center 480 N. Sam Houston Pkwy E., #270 Houston, TX 77060 (281) 448-8432	\$2,350	Houston, TX

We offer 1, 2, 3, 4, and 5-day in-house Practical Solids Control Courses. Please contact Cagle for available dates, costs, and other details.

**This course requires extensive note taking and homework. Each student should bring notepads and a calculator.**

## Practical Solids Control Reservation Form

Name \_\_\_\_\_ Title \_\_\_\_\_ Email \_\_\_\_\_ Dates \_\_\_\_\_

Company \_\_\_\_\_ Contact Person \_\_\_\_\_

Address \_\_\_\_\_ Telephone \_\_\_\_\_ Fax \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ ZIP Code \_\_\_\_\_ Email \_\_\_\_\_

### MAKE CHECK PAYABLE TO & MAIL ALL CORRESPONDENCE TO:

Cagle Oilfield Services, Inc. · 8835 S. Memorial Drive, Suite 201 · Tulsa, OK USA 74133