



RIG SURVEYS: Mud & Solids Control Systems

Potential Benefits of Efficient Solids Control

- 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 & Discharge Requirements

What does this mean to the operator & drilling contractor?

LOWER DRILLING COSTS

The History of the Rig Survey

As an outgrowth of our Practical Solids Control Schools and our own experience in solids control for over fifty years, Cagle has developed and offers both operators and drilling contractors considerable expertise in the design, installation, and operation of mud and solids control systems. W. S. (Bill) Cagle has surveyed numerous rigs since the mid-70's; since 1995 alone, he has visited more than 220 rigs. The table below provides just some of the operators and the rig types visited over the years. Most of these have been either new rigs or upgrades of existing equipment. As often is the case, evaluations and recommendations are requested to improve poorly operating and substandard removal systems and equipment on active rigs.

Additional Information & Fees

The charge for these services in the United States is USD \$2000/8-hour day portal to portal plus any travel, third party charges, and out-of-pocket expenses. Any hourly work is billed at USD \$250/hour. Please contact us for international rates and specific details. References for many of the reports & recommendations listed to the right are available upon request.

OPERATOR	RIG TYPES
Amoco	Hydraulic Land, Inland Barge, Jackup, Land
Anardako	Land
Atwood Oceanics	Platform Tender-Assisted
BHP	Drillship, Jackup
BP	Jackup, Platform, Drillship, Semisubmersible
BP Alaska	Land
British Borneo	Semisubmersible
Burlington Resources	Land
Chevron	Jackup, Platform Hydraulic, Semisubmersible
Chevron Texaco	Drillship
Cody Energy	Land
ConocoPhillips	Land
Eagle Rock	Land
Encana	Land
Enserch	Semisubmersible
EOG	Land
H&P	Land – Shaker Tests
Hess	Drillship, Land, Semisubmersible.
ICD	Land
IDM Equipment	Land
Kerr-McGee	Semisubmersible
Kerr-McGee China	Platform
Laredo	Land
Marathon	Semisubmersible
Mariner	Semisubmersible
Mobil	Jackup
Pemex-Mexico	Jackup, Land, Platform
PGE	Land
Phillips	Jackup, Semisubmersible, Platform
Phillips Alaska	Land
Pioneer	Land
Pioneer Alaska	Land
Premium/Shell	Drillship
Quitralco	Land
Sakhalin Energy	Platform
SEECO	Land
Shell	Drillship, Jackup, Land, Platform, Semisubmersible, TLP-Platform
Shell Canada	Land – Shaker Tests
Shell-Dowell	Mud Plant
Sonat	Semisubmersible
Stone	Platform
Talisman Peru	Land
Texaco	Inland Barge, Land, Platform, Semisubmersible
Tullow	Semisubmersible
Ultra	Land
Union Texas	Land
Vastar	Jackup, Platform, Semisubmersible
Vermeer	Land-Trenchless
Walter	Platform

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