



**Mark E. Blain**  
**Fluids Specialist / Supervisor**

**Date of Birth: 13 September 1957**

**Nationality: USA**

**Education: Industry experience**

**QUALIFICATIONS AND EXPERTISE:**

- Currently working as a Night DSV in the Bohai Bay offshore China.
- Excellent knowledge of rig systems including operation and maintenance.
- Developing quickly on ER methods and completions systems.
- Extensive knowledge of various solids control, cuttings re-injection, and filtration systems.
- Excellent background in construction of mud pits, fluid systems, and liquid mud plants.
- Previously responsible for total fluids management supervision, and technical expertise.
- Fluent and conversational in Spanish.

1 year experience as Night DSV on a new drilling platform. Total of 4 years with DMI with the first 3 years as a fluids supervisor on operations that required very close supervision in difficult operating environments. As a fluids supervisor, the responsibilities included managing a large portion of the day to day operations, including drilling and completion fluids, solids control, filtration, logistics, material procurement and storage, cleaning systems, etc.

**RECENT ACHIEVEMENTS AND CAREER HIGHLIGHTS:**

A member of the DMI team for Murphy Malaysia in 2004 and Apache China in 2005 thru 2008 (asset ownership changed to Roc Oil (Bohai) Company in Aug 2006):

- Began working as a NDSV in 2008, undergoing training for ER drilling and completion systems.
  - Previously responsible for all aspects of fluids management, supervision, and technical expertise.
  - Managed the fabrication and installation of various solids control and pit upgrades on the rig.
  - Reduced product costs by initiating direct purchase from suppliers rather than mud companies.
- Both the Murphy Malaysia and Apache China/Roc Oil drilling teams have achieved the best performance relative to cost per meter and meters per day for normal development operations in Asia and within all of Murphy and Apache

Over 30 years of experience as a rig hand, AD, NDSV and drilling fluids engineer, coordinator, and technical specialist. Worked in multiple countries, onshore and offshore.

**EXPERIENCE SUMMARY:** 30 years total experience

<u>Position</u>	<u>Years</u>	<u>Company and/or Clients</u>
Night Drilling Supervisor	1	DMI- Roc Oil (Bohai) Company
Fluids Supervisor	3	DMI – Apache China/Roc Oil (Bohai) Company
Fluids Engineer	23	Various Mud Companies – primarily the US Gulf of Mexico and South America on land and offshore rigs.
Roughneck-Assistant Driller	3	Penrod Drilling Company – primarily US Gulf of Mexico and north Africa.