Drilling & Workover Department Contracting Opportunities

1. Expandable Tubular Services

The work to be performed by the contractor shall consist of the following performance of Miscellaneous Technical Services including but not limited to the following: Solid Expandable liner running equipment and services for casing patches, open hole liner and open hole clad.

2. <u>Automatic Well Ignition Systems</u>

Contractor shall provide all specified equipment, tools, materials, manpower and supervision, as required, to set-up, inspect, maintain, and rig down an AUTOMATIC WELL IGNITION SYSTEM (AWIS) on selected SAUDI ARAMCO drill sites.

3. Well Head Installation Services

Contractor shall provide all required supervision, manpower, tools and equipment necessary to perform wellhead installations and services onshore and/or offshore locations designated by Saudi Aramco within Saudi Aramco's operating areas in the Kingdom of Saudi Arabia.

4. Bead Recovery Services

Contractor shall provide all specified equipment, tools, materials and qualified supervision and manpower, as required, to install, operate and maintain the Beads Recovery Unit (s) in Saudi Aramco's onshore and offshore owned or contracted rigs and mud plants.

5. Drill Pipe Protector Services

Contractor shall supply and install GRE (Glass Reinforced Epoxy) lining, commonly known as fiberglass lining, in carbon steel tubular to be free issued by Saudi Aramco. The liner is inserted inside the tubing and a special cement grouting material is pumped between the ID of the carbon steel tubing and the OD of the Fiberglass liner. Both pin and box ends of the tubular are secured by flare rings providing seals. No modifications are made to the connection and full connection performance is maintained. The objective is to protect the tubing against internal corrosion.

6. Fiberglass Lining Services

Contractor shall provide supervision, experienced and qualified personnel, materials, tools, equipment and transportation to perform the required services to reduce the drilling torque, casing wear, drag, and buckling for Saudi Aramco.

Contractor shall provide the required size and quantities of Western Well Tools (WWT) Non Rotating Protectors (NRP) equipment and field services technicians to perform the required service for Saudi Aramco. Contractor shall provide required services to drill various hole sections as requested by Saudi Aramco.