Glomar Explorer, Built to Raise Soviet Sub, Faces

Among proposed tasks for the ship is drilling into the deep accumulations of sediment on fringes of the oceanic basins, where . great oil reservoirs are suspected. Modifications that would make the ship the first capable of extracting oil at such depths are expected by Government officials to cost

less than \$2 million.

The problem is the ship's operating cost, which some estimate at \$30 million a year. The vessel currently being used for the international Deep Sea. Drilling Project, the Glomar Challenger, costs only about \$8 million a year to operate but cannot be used for drilling on the fringes of the ocean

The prefix "Glomar" is applied to drill ships operated by Global Marine Inc. During

By WALTER SULLIVAN
The Glomar Explorer, built at vast expense to raise a sunken Soviet submarine, faces a deadline to determine if she should be sold for scrap or used to perform roles in deep-sea armount for any or list of affy other vessel.

Proposals under consideration could mean that eventually Soviet scientists, in a multinational program now under way, will ride the ship that once tried to lift a Russian submarine from the floor of the Pacific northwest of Hawaii in 1974.

Among proposed tasks for the sale and operated by Global and a Federal judge has reject for her true prupose—the sale and a Federal judge has reject for her true prupose—the sale and a Federal judge has reject for her true prupose—the sale and a Federal judge has reject for her true prupose—the sale and a Federal judge has reject for her true prupose—the sale and a Federal judge has reject for her true prupose—the sale and a Federal judge has reject for her true prupose—the sale and a Federal judge has reject for her true prupose—the sale and a Federal judge has reject for her true prupose—the sale and a Federal judge has reject for her true prupose—the sale and a Federal judge has reject for her true prupose—the sale that had sunk in almost 17,000 Beach, Calif., was recently fransferred to the General Services Administration for disposition.

The G.S.A. has set June 30

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THURSDAY, FEBRUARY 26, 1976

Decision: to Be Scrapped or to Be a Deep-Sea Driller

In her efforts to raise the ger of the Deep Sea Drilling drill pipe and would return the oceanic fringes—is not exsubmarine, the Glomar Explo-Project.

submarine, the Glomar Explorer used a suspended, three-mile pipe of massive dimensions—16 inches in diameter with walls five inches thick. To minimize stresses on the pipe, as the ship heaved and rolled, the pipe hung from a "heave compensator" and the drill platform was mounted on gimbals.

According to Dr. Melvin N. D. Peterson of the Scripps Institution of Oceanography in La Jolla, Calif., the ship is ideal for very deep drilling because the sections of pipe can be assembled or disassembled in a continuous, highly automated process. Dr. Peterson is mana
Project.

While the Glomar challenger of great depth, her drill pipe is not enclosed. Water is driven down inside the pipe to flow back up outside it from the bottom of the inole, carrying stone chips with it. This water discharges into the sea. If an of the sea into the sea. If an of the sea into the sea. This has made it necessary to avoid drilling anywhere this might occur.

If the drill ship carring flushed out ships with it. The latter would provide samples of material from all layers drilled.

'A Great Resource'

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