MINUTE ITEM

23. APPLICATION FOR PERMIT TO CONDUCT EXPERIMENTAL SEISMIC OPERATIONS OFFSHORE VENTURA COUNTY; UNITED GEOPHYSICAL CORPORATION - W.O. 4757, P.R.C. 3031.1.

After consideration of Calendar Item 28 attached, and upon motion duly made an unanimously carried, the following resolution was adopted:

THE EXECUTIVE OFFICER IS AUTHORIZED TO ISSUE A PERMIT TO UNITED GEOPHYSICAL CORPORATION, FOR THE PERIOD JUNE 27, 1963, THROUGH AUGUST 25, 1963, CONFORMING TO ALL OPERATING CONDITIONS ESTABLISHED BY THE COMMISSION, FOR THE CONDUCT OF EXPERIMENTAL SUBMARINE GEOPHYSICAL OPERATIONS IN AN AREA OF TIDE AND SUBMERGED LANDS UNDER THE JURISDICTION OF THE STATE LANDS COMMISSION LYING OFFSHORE VENTURA COUNTY, DESCRIBED AS FOLLOWS:

> BEGINNING AT A POINT ON THE ORDINARY HIGH WATER MARK APPROXIMATELY 2,000 FEET NORTHWESTERLY FROM THE INTERSECTION OF THE PROLONGATION OF WEST FIFTH STREET (OXNARD) WITH THE ORDINARY HIGH WATER MARK; THENCE SOUTHEASTERLY ALONG THE ORDINARY HIGH WATER MARK APPROXIMATELY 10,500 FEET; THENCE APPROXIMATELY 2,500 FEET SOUTHWESTERLY, AT RIGHT ANGLES, TO A POINT IN SANTA BARBARA CHANNEL; THENCE NORTHWESTERLY PARALLEL TO THE ORDINARY HIGH WATER MARK APPROXIMATELY 10,500 FEET TO A POINT IN SANTA BARBARA CHANNEL; THENCE NORTHEASTERLY APPROXIMATELY 2,500 FEET TO THE POINT OF BEGINNING.

THE PERMITTEE IS TO REIMBURSE THE STATE LANDS DIVISION FOR ALL ITS INSPECTION COSTS. THE PERMIT IS TO BE EFFECTIVE ONLY AS LONG AS THE CONCURRENT PERMIT BY THE FISH AND GAME COMMISSION IS IN EFFECT FOR THE SAME OPERATING AREA.

Attachment
Calendar Item 28 (2 pages)

CALENDAR ITEM

28.

APPLICATION FOR PERMIT TO CONDUCT EXPERIMENTAL SEISMIC OPERATIONS OFFSHORE VENTURA COUNTY; UNITED GEOPHYSICAL CORPORATION - W.O. 4757.

An application has been received from United Geophysical Corporation for a permit to conduct experimental seismic operations on tide and submerged lands under the jurisdiction of the State Lands Commission lying near Port Hueneme offshore Ventura County (see Exhibit "A").

The object of the proposed research program is to evaluate a new development in seismic-energy generating and recording methods, the "Hydro-Coupler" (Exhibit "B"), which uses smaller explosive charges than are utilized in current exploration operations. This program has the further objective of developing seismic techniques to minimize damage hazards to marine life, marine structures, piers, and kelp beds. The Hydro-Coupler is a massive steel chamber, inside of which the small explosive charges are detonated in order to produce explosive pulses. The proposed program calls for the detonation of 120 small explosive charges not exceeding a quarter-pound each. The shots will be recorded in sequence on magnetic tape and then summed electronically in order to produce single seismic profiles. In addition, at the same localities, 120 one-quarter-pound charges will be detonated in the conventional manner. It is also intended to use a "sparker" and a gas exploder for purposes of comparison.

It is proposed to make the comparisons by setting up calibrated seismic instruments on the beach and shooting by each of the aforementioned four methods in the same area, approximately one-quarter-mile offshore.

It is anticipated that the program may be finished in several days; however, in view of the experimental nature of the equipment and the possibility of unanticipated complications, the application submitted requests that the permit be granted for a total of 60 days.

The Board of Supervisors of Ventura County has been informed that this application is to be considered. The Department of Fish and Game, on May 24, 1963, approved the application and the use of the type of explosives authorized for seismic operations.

The applicant has submitted the $5 statutory filing fee.

IT IS RECOMMENDED THAT THE COMMISSION AUTHORIZE THE EXECUTIVE OFFICER TO ISSUE A PERMIT TO UNITED GEOPHYSICAL CORPORATION, FOR THE PERIOD JUNE 27, 1963, THROUGH AUGUST 25, 1963, CONFORMING TO ALL OPERATING CONDITIONS ESTABLISHED BY THE COMMISSION, FOR THE CONDUCT OF EXPERIMENTAL SUBMARINE GEOPHYSICAL OPERATIONS IN AN AREA OF TIDE AND SUBMERGED LANDS UNDER THE JURISDICTION OF THE STATE LANDS COMMISSION LYING OFFSHORE VENTURA COUNTY, DESCRIBED AS FOLLOWS:

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BEGINNING AT A POINT ON THE ORDINARY HIGH WATER MARK APPROXIMATELY 2,000 FEET NORTHWESTERLY FROM THE INTERSECTION OF THE PROLONGATION OF WEST FIFTH STREET (OXNARD) WITH THE ORDINARY HIGH WATER MARK; THENCE SOUTHEASTERLY ALONG THE ORDINARY HIGH WATER MARK APPROXIMATELY 10,500 FEET; THENCE APPROXIMATELY 2,500 FEET SOUTHWESTERLY, AT RIGHT ANGLES, TO A POINT IN SANTA BARBARA CHANNEL; THENCE NORTHWESTERLY PARALLEL TO THE ORDINARY HIGH WATER MARK APPROXIMATELY 10,500 FEET TO A POINT IN SANTA BARBARA CHANNEL; THENCE NORTHEASTERLY APPROXIMATELY 2,500 FEET TO THE POINT OF BEGINNING.

THE PERMITTEE IS TO REIMBURSE THE STATE LANDS DIVISION FOR ALL ITS INSPECTION COSTS. THE PERMIT IS TO BE EFFECTIVE ONLY AS LONG AS THE CONCURRENT PERMIT BY THE FISH AND GAME COMMISSION IS IN EFFECT FOR THE SAME OPERATING AREA.