

may result. The States of Washington, Louisiana, Florida, Maryland, and Massachusetts, and several others should have a vital interest in these proceedings.

It would therefore be helpful to California if in the hearings commencing on January 23, 1952, the Maritime and Great Lakes States would request the Supreme Court to permit them to present to the Master their respective positions on the three questions.

UPON MOTION DULY MADE AND UNANIMOUSLY CARRIED, A RESOLUTION WAS ADOPTED AUTHORIZING THE CHAIRMAN OF THE COMMISSION TO EXECUTE A MEMORANDUM, WHICH IS TO BE PREPARED FOR HIS SIGNATURE, INFORMING GOVERNOR WARREN OF THE FACTS CONTAINED IN THIS ITEM. THE INFORMATION CONTAINED IN THIS ITEM IS ALSO TO BE SUBMITTED TO SENATOR BREED'S TIDELAND COMMITTEE.

16. (SUBMARINE GEOPHYSICAL EXPLORATION, HUMBLE OIL & REFINING COMPANY - W.O. 1191, P.R.C. 707.) On December 17, 1951 (Minute Item 14, Page 1500), the Commission authorized the deferment of further consideration of the application of the Humble Oil & Refining Company for a permit to conduct geophysical exploration operations on tide and submerged lands under the jurisdiction of the Commission, pursuant to the request of the District Attorney of Santa Barbara County for an opportunity to prepare a statement of objections to the proposed action.

Letter protests to the issuance of geophysical exploration permits have been filed by the District Attorney upon behalf of the Board of Supervisors of Santa Barbara County, and by the City Clerk of the City of Santa Barbara pursuant to authorization by the City Council. In summary, the protest filed by the County states that past seismic explorations have resulted in considerable damage to fish and marine life, that residents in areas adjacent to the shoreline have complained of damage to property allegedly caused by the seismic blasting, that notwithstanding any modifications of the manner of conducting seismic exploration activities, the Board of Supervisors is opposed to the granting of a permit, and repeated seismic explorations do not serve the public interest in that the results of such operations conducted previously should be available to all interested parties. The letter of protest by the City of Santa Barbara states that no seismic operations should be allowed in the entire Santa Barbara Channel area because of the great damage to fish and marine life.

The Commission was informed on December 17, 1951, of the successful submarine geophysical exploration operations conducted by the Union Oil Company of California under a geophysical exploration permit authorized by the Commission, from which there were no structural effects whatsoever, a very limited fish kill, and no public protests in Los Angeles and Orange Counties where the operations were conducted. In addition, after consideration of these results, the State Fish and Game Commission has authorized the use of explosives in the operations for which the subject application is pending before the State Lands Commission.

The previous recommendation by the Division of State Lands for the issuance of a permit to the Humble Oil & Refining Company did not include any requirement with respect to continuous observation by the Division of State Lands

to assure compliance with all terms and conditions of a permit as issued.
r such compliance, no detrimental on-shore effects could result.

the minimization of such effects is the primary item under the
of the Commission in connection with the issuance of the proposed
proposed revised form of permit for the conduct of geophysical
operations contains provisions for continuous inspection by this
of the form is presented herewith.

UPON MOTION DILY MADE AND UNANIMOUSLY CARRIED, A RESOLUTION WAS ADOPTED
ADOPTING THE PROPOSED FORM OF PERMIT FOR THE CONDUCT OF GEOPHYSICAL EXPLORA-
TION OPERATIONS ON THE AREA OF TIDE AND SUBMERGED LANDS INCLUDED IN THE
APPLICATION OF THE HUMBLE OIL & REFINING COMPANY, AND AUTHORIZING THE EXECU-
TIVE OFFICER TO ISSUE A PERMIT IN THAT FORM TO THE HUMBLE OIL & REFINING
COMPANY FOR THE CONDUCT OF SUBMARINE GEOPHYSICAL EXPLORATION OPERATIONS ON
THOSE TIDE AND SUBMERGED LANDS UNDER THE JURISDICTION OF THE STATE LANDS
COMMISSION LYING SOUTHERLY OF A LINE DRAWN DUE WEST FROM PT. CONCEPTION,
SANTA BARBARA COUNTY, AND NORTHERLY OF THE WESTERLY LIMITS OF THE CITY OF
SANTA BARBARA, AS EXTENDED, FOR THE PERIOD JANUARY 15, 1962, TO APRIL 15,
1962, INCLUSIVE, NO PERMIT FEE TO BE REQUIRED BEYOND THE STATUTORY ~~AN~~ APPLI-
CATION FILING FEE, THE PERMITTEE TO REIMBURSE THE DIVISION OF STATE LANDS FOR
ALL OF ITS INSPECTION COSTS. INFORMATION ON BASES OF RECOMMENDATION IS TO BE
FURNISHED TO ALL PROTESTANTS.

(FORM OF PERMIT)

DATE _____

PERMIT FOR THE CONDUCT OF GEOPHYSICAL EXPLORATION OPERATIONS
ON TIDE AND SUBMERGED LANDS OF THE STATE OF CALIFORNIA

Permission is granted hereby to the _____
for the conduct of submarine seismograph exploration work during any
operating period of not to exceed 90 days, commencing not earlier than _____
, and terminating not later than _____
inclusive, on those tide and submerged lands under the jurisdiction of the
State Lands Commission described as follows:

The conduct of any operations under this permit is subject to the
following specific conditions:

1. No explosives shall be discharged under any circumstances
unless an inspector of the Division of State Lands is aboard
the recording boat of each seismic crew in operation, or
permission to proceed with the discharge of explosives has
been given by such inspector of the Division of State Lands.
2. Operations shall be suspended on order of the Division of
State Lands inspector whenever and for such time as may be
required to establish that the conditions of this permit are
being complied with.

3. A copy of the schedule of operations to be conducted during the following 24-hour period shall be furnished to the Division of State Lands inspector on or before the close of the preceding day's shooting schedule. Such schedule shall be complete in detail as to location, number, size and type of placement of shots to be fired. Divergence from such schedule may be permitted only upon specific authorization of the Division of State Lands inspector prior to firing.
4. A copy of a daily log of operations, showing date, location, number, size and type of place of detonations shall be furnished to the Division of State Lands inspector within 24 hours of the completion of the day's shooting schedule.
5. Specific compliance must be had with any and all requirements of any permit issued by the State Department of Fish and Game for operations in the permitted area.
6. In waters with a depth of less than 17 fathoms, all shots shall be placed beneath the ocean floor ("jet shot") to such a depth that the top of any charge shall be at least ten feet below said ocean floor, except that no shots shall be fired at any time within 0.25 nautical miles of any structure, or within 0.25 nautical miles of the ordinary high-water mark.
7. Open shots are permitted only in waters more than 0.25 nautical miles seaward of the ordinary high-water mark, and more than 0.25 nautical miles from any structure and which have a depth of more than 17 fathoms.
8. No shots will be permitted in excess of a standard charge of 45 pounds of black powder, Hercules grade sporting powder, FFFG, or equivalent and no faster, except as hereinafter provided. Charges of 70 pounds of the specified powder may be used for jet shots more than 0.5 nautical miles from any structure, and more than 0.5 nautical miles seaward of the ordinary high-water mark, and for any open shots. Charges of 90 pounds of the specified powder may be used in open shots in waters of a depth of less than 17 fathoms only when such shot location is more than 0.5 nautical miles from any structure, or 1.0 nautical miles seaward of the ordinary high-water mark, and when the Department of Fish and Game has given specific approval for the use of such shot.
9. Violations of any of the provisions of this permit, or of any permit issued by the State Department of Fish and Game for the same area, shall result in immediate suspension of all operations on orders given by the Division of State Lands inspector assigned to the project, and may result in termination of the permit by order of the Executive Officer, State Lands Commission. Such terminated permit may be reinstated only by action of the State Lands Commission.

3. A copy of the schedule of operations to be conducted during the following 24-hour period shall be furnished to the Division of State Lands Inspector on or before the close of the preceding day's shooting schedule. Such schedule shall be complete in detail as to location, number, size and type of placement of shots to be fired. Divergence from such schedule may be permitted only upon specific authorization of the Division of State Lands Inspector prior to firing.
4. A copy of a daily log of operations, showing date, location, number, size and type of ~~class~~ ^{placement} of detonations shall be furnished to the Division of State Lands Inspector within 24 hours of the completion of the day's shooting schedule.
5. Specific compliance must be had with any and all requirements of any permit issued by the State Department of Fish and Game for operations in the permitted area.
6. In waters with a depth of less than 17 fathoms, all shots shall be placed beneath the ocean floor ("jet shot") to such a depth that the top of any charge shall be at least ten feet below said ocean floor, except that no shots shall be fired at any time within 0.25 nautical miles of any structure, or within 0.25 nautical miles of the ordinary high-water mark.
7. Open shots are permitted only in waters more than 0.25 nautical miles seaward of the ordinary high-water mark, and more than 0.25 nautical miles from any structure and which have a depth of more than 17 fathoms.
8. No shots will be permitted in excess of a standard charge of 45 pounds of black powder, Hercules grade sporting powder, FFFG, or equivalent and no faster, except as hereinafter provided. Charges of 90 pounds of the specified powder may be used for jet shots more than 0.5 nautical miles from any structure, and more than 0.5 nautical miles seaward of the ordinary high-water mark, and for any open shots. Charges of 90 pounds of the specified powder may be used in open shots in waters of a depth of less than 17 fathoms only when such shot location is more than 0.5 nautical miles from any structure, or 1.0 nautical miles seaward of the ordinary high-water mark, and when the Department of Fish and Game has given specific approval for the use of such shot.
9. Violations of any of the provisions of this permit, or of any permit issued by the State Department of Fish and Game for the same area, shall result in immediate suspension of all operations on orders given by the Division of State Lands Inspector assigned to the project, and may result in termination of the permit by order of the Executive Officer, State Lands Commission. Such terminated permit may be reinstated only by action of the State Lands Commission.

10. For each seismic crew in operation, the permittee shall make an advance deposit of \$500 on the first day of each 30-day period of operations under this permit, as a minimum deposit to defray the costs of the Division of State Lands that are involved in inspection under this permit. Actual costs to the Division of State Lands of such inspection which are in excess of the aforesaid minimum deposit shall be remitted by the permittee upon receipt of a statement of such additional costs.

This permit is revocable at any time by the State Lands Commission.

STATE LANDS COMMISSION

RUFUS W. PUTNAM
Executive Officer

All terms, conditions, and provisions of the foregoing permit are accepted by the applicant.

BY: _____

17. (GRAZING LEASE APPLICATION FOR RENEWAL OF FORMER GRAZING LEASE P.R.C. 1171, LASSEN COUNTY, DOROTHY W. CAPEZZOLI AND CASIANO ORRADRE - S.W.O. 5409, P.R.C. 1229.) Application has been received from Dorothy W. Capezzoli of Stoddish, California, and Casiano Orradre of Susanville, California, for a grazing lease for a term of five years on the NE $\frac{1}{4}$ of NW $\frac{1}{4}$, NW $\frac{1}{4}$ of NE $\frac{1}{4}$, S $\frac{1}{2}$ of NE $\frac{1}{4}$, NE $\frac{1}{2}$ of S $\frac{1}{2}$, SE $\frac{1}{4}$ of SW $\frac{1}{4}$ and SW $\frac{1}{4}$ of SE $\frac{1}{4}$ of Section 36, T. 30 N., R. 14 E., NE $\frac{1}{4}$ of NW $\frac{1}{4}$, NW $\frac{1}{4}$ of NE $\frac{1}{4}$, S $\frac{1}{2}$ of NE $\frac{1}{4}$, NE $\frac{1}{2}$ of S $\frac{1}{2}$, SE $\frac{1}{4}$ of SW $\frac{1}{4}$ and SW $\frac{1}{4}$ of SE $\frac{1}{4}$ of Section 36, T. 30 N., R. 15 E., and NE $\frac{1}{4}$ of NW $\frac{1}{4}$, NW $\frac{1}{4}$ of NE $\frac{1}{4}$, S $\frac{1}{2}$ of NE $\frac{1}{4}$, NE $\frac{1}{2}$ of S $\frac{1}{2}$, SE $\frac{1}{4}$ of SW $\frac{1}{4}$ and SW $\frac{1}{4}$ of SE $\frac{1}{4}$ of Section 36, T. 32 N., R. 13 E., M.D.M., containing 1,440 acres in Lassen County. This is a request for renewal of their Grazing Lease P.R.C. 1171, which will expire on January 9, 1952. We are informed by the Assessor of Lassen County that lands contiguous to the subject lands were assessed at from \$2.50 to \$3.65 per acre. The carrying capacity in animal units on the subject lands is 480, or three acres per animal, and the lands are suitable for grazing only three months during the year. After negotiating with the applicants, they have agreed to the payment of 22 $\frac{1}{2}$ ¢ per acre per year for the subject 1,440 acres, which the staff considers a satisfactory rental for this type of land.

UPON MOTION DULY MADE AND UNANIMOUSLY CARRIED, A RESOLUTION WAS ADOPTED AUTHORIZING THE ISSUANCE OF A FIVE-YEAR GRAZING LEASE FOR THE NE $\frac{1}{4}$ OF NW $\frac{1}{4}$, NW $\frac{1}{4}$ OF NE $\frac{1}{4}$, S $\frac{1}{2}$ OF NE $\frac{1}{4}$, NE $\frac{1}{2}$ OF S $\frac{1}{2}$, SE $\frac{1}{4}$ OF SW $\frac{1}{4}$ AND SW $\frac{1}{4}$ OF SE $\frac{1}{4}$ OF SECTION 36, T. 30 N., R. 14 E., NE $\frac{1}{4}$ OF NW $\frac{1}{4}$, NW $\frac{1}{4}$ OF NE $\frac{1}{4}$, S $\frac{1}{2}$ OF NE $\frac{1}{4}$, NE $\frac{1}{2}$ OF S $\frac{1}{2}$, SE $\frac{1}{4}$ OF SW $\frac{1}{4}$ AND SW $\frac{1}{4}$ OF SE $\frac{1}{4}$ OF SECTION 36, T. 30 N., R. 15 E., AND NE $\frac{1}{4}$ OF NW $\frac{1}{4}$, NW $\frac{1}{4}$ OF NE $\frac{1}{4}$, S $\frac{1}{2}$ OF NE $\frac{1}{4}$, NE $\frac{1}{2}$ OF S $\frac{1}{2}$, SE $\frac{1}{4}$ OF SW $\frac{1}{4}$ AND SW $\frac{1}{4}$ OF SE $\frac{1}{4}$ OF SECTION 36, T. 32 N., R. 13 E., M.D.M., CONTAINING 1,440 ACRES IN LASSEN COUNTY, TO DOROTHY W. CAPEZZOLI AND CASIANO ORRADRE, AT AN ANNUAL RENTAL OF 22 $\frac{1}{2}$ ¢ PER ACRE, THE APPLICANTS TO BE REQUIRED TO PAY THE FIRST AND LAST YEARS' RENTALS AT THE TIME OF EXECUTION OF THE LEASE.

There being no further business to come before the Commission, the meeting was adjourned.