

23. (Proposed Amendment to Crude Oil Sales Contracts - State Leases 91, 98, P.R.C. 129, P.R.C. 163, P.R.C. 208 - Signal Oil and Gas Company) The Commission was informed that a request has been received from the Signal Oil and Gas Company, Lessee and Operator under State Oil and Gas Leases Nos. 91, 98, P.R.C. 129, P.R.C. 208 - Elwood, and P.R.C. 163 - Huntington Beach, for approval of a modification to oil sales contracts with the Standard Oil Company of California to permit the addition of a small amount of solvent in the performance of the quality test on crude oil to determine sand, water and other foreign substances. At the request of this Division a maximum absolute physical limit of solvent which may be used has been specified conforming to normal testing practice.

Upon motion duly made and unanimously carried, a resolution was adopted authorizing the Executive Officer to inform the Signal Oil and Gas Company that modification of testing procedures in crude oil sales contracts with the Standard Oil Company of California under State Oil and Gas Leases 91, 98, P.R.C. 129, P.R.C. 163 and P.R.C. 208 by the addition of the following language is approved: "In making the gasoline test it shall be permissible to add a small amount of some other solvent or demulsifying agent such as trets-o-lite, such amount, however, not to exceed over one-quarter cubic centimeter in a 100 cubic centimeter centrifuge tube, in addition to the use of gasoline and refined bisulphide of carbon in the making of the gasoline test for determination of sand, water and other foreign substances contained in crude oil produced from the above indicated State leases."

24. (Submarine Geophysical Exploration - W.O. 354) The Commission was informed that on July 26, 1949, in connection with the application of the Humble Oil and Refining Company for permission to conduct seismic geophysical exploration operations (W.O. 518 - Minute Page 980, Item 3) the Commission authorized deferment of action on the application pending investigation, report and recommendation on the establishment of detailed permit requirements for the conduct of geophysical exploration operations. A review of the operations as conducted under Permit P.R.C. 404, W.O. 468, between the City of Santa Barbara and Point Dume, Los Angeles County, during the period April 18 to July 18, 1949, has been completed, report thereon being presented to the Commission. The evaluation of these operations and extensive consultations with industry representatives and the Division of Fish and Game has resulted in the draft by this Division of a form of permit embodying sufficient basic control for any operations in the immediate future. A copy of the proposed form of permit was also presented, as follows:

STATE LANDS DIVISION
STATE LANDS COMMISSION

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

Permission is granted hereby to _____
for the conduct of submarine seismograph exploration work between _____ (date)
and _____ (date), inclusive, on those tide and sub-
merged lands under the jurisdiction of the State Lands Commission, described as
follows:

(description)

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 State Lands Division is aboard the recording boat of each seismic crew in operation and an inspector of the State Division of Fish and Game is present to witness operations.
2. Operations shall be suspended on order of the State Lands Division 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 State Lands Division 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 State Lands Division inspector prior to firing.
4. A copy of a daily log of operations showing date, location, number, size and type of placement of detonations made shall be furnished to the State Lands Division 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 Division of Fish and Game for operations in the permitted area.
6. In waters within 1 nautical mile of the ordinary high water mark, 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 2 feet below said ocean floor, except that no shots shall be fired at any time within 1.0 nautical mile of any structure or within 0.25 nautical mile of the ordinary high water mark.
7. In waters more than 1 nautical mile seaward of the ordinary high water mark and more than 1.0 nautical mile from any structure and of 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 2 feet below said ocean floor, unless such placement by an effective hydraulic jet is prevented by hard bottom formations, in which event the firing of an open shot may be authorized by the State Lands Division inspector, such authorization to be specific for each such open shot.
8. Open shots are permitted only in waters more than 1 nautical mile seaward of the ordinary high water mark and more than 1.0 nautical mile from any structure and which have a depth of more than 17 fathoms, except as provided in Section 7 hereof.
9. No jet shots will be permitted in excess of a standard charge of 20 pounds of 60% dynamite or the equivalent thereof.

10. No open shots will be permitted in excess of a standard charge of 80 pounds of 60% dynamite or the equivalent thereof.
11. Violations of any of the provisions of this permit or of any permit issued by the State Division of Fish and Game for the same area, shall result in immediate suspension of all operations on orders given by the State Lands Division 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.
12. For each seismic crew in operation the permittee shall make an advance deposit of \$600.00 on the first day of each month of operations under this permit as a minimum deposit to defray the costs of the State Lands Division that are involved in inspection under this permit. Actual costs to the State Lands Division 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.

RUFUS W. PUTNAM,
Executive Officer.

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

Upon motion duly made and unanimously carried, a resolution was adopted authorizing the use of the form of permit presented for the conduct of geophysical exploration operations on tide and submerged lands, for issuance pursuant to future applications subject to the existence of a concurrent permit by the State Division of Fish and Game for the conduct of such operations.

25. (East Bay Municipal Utility District - Application for permit to install an outfall sewer into San Francisco Bay - W.O. 289, P.R.C. 433) The Commission was informed that on July 26, 1919, the Commission authorized the Executive Officer to issue a permit to the East Bay Municipal Utility District, a political subdivision of the State, to install, maintain and use an outfall sewer into San Francisco Bay, bayward of the grant to the City of Oakland, for a period of forty-nine years, with the right of renewal for an additional period of forty-nine years, subject to prior approval by the State Department of Public Health. No rental or fees were required. It now appears that under Chapter 21,