

## INFORMATIVE CALENDAR ITEM

26.

1/79  
ThompsonMONITORING OF POSSIBLE SUBSIDENCE AND SEISMIC HAZARDS,  
LONG BEACH UNIT, WILMINGTON OIL FIELD,  
LOS ANGELES COUNTY

Section 4(f) of Chapter 138, Statutes of 1964, 1st E.S. required that the contractors' agreement for production from the Long Beach Tidelands portion of the Long Beach Unit provide for a "reserve for subsidence contingencies" to provide available funding to indemnify the City of Long Beach, the State of California and the City of Long Beach's contractors from claims, judgments and costs of defense arising from subsidence alleged to have occurred as a result of operations under those contracts. This reserve fund accumulates at the rate of \$2 million per year, for 20 years, starting in May, 1970. The money is invested in bonds issued by the State of California and impounded by the City of Long Beach. The fund, including interest, now totals more than \$20 million. The fund shall remain impounded until such time as the City and State jointly determine that there is no longer any hazard of such claims or judgments or there is no potential danger of subsidence.

The City of Long Beach conducts surveys twice each year in February and August for the purpose of monitoring changes in ground elevation of the Long Beach tidelands and adjacent areas. The Commission's staff reviews and interprets the benchmark elevation data from these semiannual surveys.

Staff review of ground elevation survey data for the period May 1965 to August 1978 substantiates that no subsidence of the land surface has occurred as the result of operations in the Long Beach Unit.

Additionally, a network of 5 seismic monitoring stations is being operated for the Long Beach Unit under contract with the Geophysical Laboratory of the University of Southern California. No seismic event originated within the Long Beach Unit during the review period, February to August 1978.

The staff will continue to report the results of ground elevation surveys and will advise the Commission of any change in seismic activity in the vicinity of the Long Beach Unit.

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