

MINUTE ITEM

7/2/65

47. APPROVAL OF MODIFICATION OF PLAN OF DEVELOPMENT AND OPERATIONS, LONG BEACH UNIT, WILMINGTON OIL FIELD, LOS ANGELES COUNTY - L.B.W.O. 10,155, L.A.W.O. 5200.3.1.

After consideration of Supplemental Calendar Item 45 attached, and upon motion duly made and unanimously carried, the following resolution was adopted:

THE COMMISSION APPROVES THE ACTION BY THE EXECUTIVE OFFICER PURSUANT TO SECTION 5(g) OF CHAPTER 138, STATUTES OF 1964, 1ST E.S., CONSENTING TO A MODIFICATION OF THE PLAN OF DEVELOPMENT AND OPERATION OF THE UNDEVELOPED PORTION OF THE LONG BEACH TIDELANDS APPROVED BY THE COMMISSION ON APRIL 8, 1965. THIS APPROVAL IS SUBJECT TO THE CONDITION THAT COOPERATIVE AGREEMENTS ARE TO BE EXECUTED WITH THE LESSEES OF ADJOINING DEVELOPED PORTIONS OF THE WILMINGTON OIL FIELD PRIOR TO THE COMMENCEMENT OF WATER INJECTION, AND THAT ANY SURFACE OR BOTTOM-HOLE WELL LOCATION SHALL NOT DEVIATE MORE THAN 25 FEET OR 100 FEET, RESPECTIVELY, FROM THE APPROVED LOCATION.

Attachment

Supplemental Calendar Item 45 (2 pages)

45.

APPROVAL OF MODIFICATION OF PLAN OF DEVELOPMENT AND OPERATIONS, LONG BEACH UNIT, WILMINGTON OIL FIELD, LOS ANGELES COUNTY - L.B.W.O. 10,155, L.A.W.O. 5200.3.1.

The City of Long Beach, and the State, pursuant to the provisions of Chapter 138, Section 5(g), Statutes of 1964, 1st E.S., have mutually agreed to a modification of the Plan of Development and Operations for the Long Beach Unit of the Wilmington Oil Field.

The Commission, at its meeting of April 8, 1965, approved the Plan of Development and Operations, including the surface and bottom locations of ten initial wells, with the provision that the locations of an additional thirty wells and the range of rates of production and injection be approved by the Executive Officer prior to the drilling of such wells.

The City has requested approval to relocate the top and bottom of each of the ten initial wells and to change the purpose of one well from oil production to water injection.

Relocation of the four Ranger Zone wells and the change of one Ranger Zone well from a producer to an injector were necessary in order to conform with a proposed waterflood pattern designed to minimize oil migration between the Long Beach Unit and developed properties to the west.

The four original Upper Terminal Zone wells were relocated slightly, due to a necessary drillsite change. The reservoir-development program for the Upper Terminal Zone remains essentially unchanged.

The surface locations of the original two Lower Terminal Zone wells were modified slightly because of a change in drillsites, and the proposed bottom-hole location of the single Lower Terminal Zone producer was moved approximately 800 feet northerly to a more advantageous position geologically.

In addition to the changes in the initial 10 wells, the City has submitted the surface and bottom-hole locations of the additional 30 wells, together with estimated rates of production, rates and pressures of injection, and an approximate drilling schedule for approval by the Executive Officer and ultimate approval by the Commission. Data relative to these 30 wells is set forth in Exhibit "A".

Staff review of the proposed additional 30 wells (22 producers and 8 injectors) indicates that the locations are geologically sound and are sufficiently flexible to permit adoption of one of several waterflood patterns.

Because some deviation from the precise location coordinates as set forth in the attached exhibit is to be expected, a 100-foot deviation from a proposed bottom-hole location or a 25-foot deviation from a proposed surface location will be deemed as complying with the approved location.

SUPPLEMENTAL CALENDAR ITEM 45. (CONTD.)

Cooperative Agreements for water-injection operations along the western boundary of the Long Beach Unit are presently being drafted. Commission approved cooperative agreements should be executed prior to the injection of water into wells offsetting the developed portion of the Wilmington Field.

The City Council of the City of Long Beach approved this modification of the Plan of Development and Operations at its meeting of June 22, 1965.

The Commission's consultants and staff are of the opinion that the modified locations of the wells as set forth in Exhibit "A" are justified for an orderly and aggressive development-program for the Long Beach Unit.

The Executive Officer has consented to the modification of the Plan of Development and Operation approved by the Commission on April 8, 1965, subject to the conditions specified above.

IT IS RECOMMENDED THAT THE COMMISSION APPROVE THE ACTION BY THE EXECUTIVE OFFICER PURSUANT TO SECTION 5(g) OF CHAPTER 138, STATUTES OF 1964, 1ST E.S., CONSENTING TO A MODIFICATION OF THE PLAN OF DEVELOPMENT AND OPERATION OF THE UNDEVELOPED PORTION OF THE LONG BEACH TIDELANDS APPROVED BY THE COMMISSION ON APRIL 8, 1965. THIS APPROVAL IS SUBJECT TO THE CONDITION THAT COOPERATIVE AGREEMENTS ARE TO BE EXECUTED WITH THE LESSEES OF ADJOINING DEVELOPED PORTIONS OF THE WILMINGTON OIL FIELD PRIOR TO THE COMMENCEMENT OF WATER INJECTION, AND THAT ANY SURFACE OR BOTTOM-ROLE WELL LOCATION SHALL NOT DEVIATE MORE THAN 25 FEET OR 100 FEET, RESPECTIVELY, FROM THE APPROVED LOCATION.