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STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



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ANITA LOCKWOOD CABINET SECRETARY POST OFFICE 80X 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (S05) 827-5800

September 22, 1993

CERTIFIED MAIL RETURN RECEIPT NO. P-176-012-034

Mr. Gary Harper ARCO Oil & Gas Company P.O. Box 1610 Midland, Texas 79702

RE: SOUTH JUSTIS WATERFLOOD DRAIN TANK INSTALLATION

Dear MR. Harper,

The New Mexico Oil Conservation Division (OCD) has completed a review of Arco's August 30, 1993 South Justis Waterflood drain tank installation. This document requests approval of Arco's proposed design for installation of six buried fiberglass double-wall tanks with 100 mil impermeable polyethylene containment liners around the tanks in Lea County, New Mexico.

The above requests are hereby approved with the following conditions:

1. The leak detection sumps of below grade tanks will be inspected monthly for the presence of fluids. Arco will notify OCD of the presence of fluids discovered in leak detection sumps. Appropriate actions will be determined at that time.

Please be advised that OCD approval does not relieve Arco of liability should Arco's activities result in actual contamination of surface waters, ground waters or the environment which is actionable under other laws and/or regulations. In addition, OCD Ms. Judy A. McLemore August 2, 1993 Page 2

approval does not relieve Arco of responsibility for compliance with other federal, state or local laws and/or regulations.

If you have any questions, please contact me at (505). 827-5812.

Sincerely,

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Robert L. Myers II Petroleum Engineer Specialist Environmental Bureau

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xc: OCD Hobbs Office

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ARCO Oil and Gas Company

Western District 600 N. Marienfeld Midland, Texas 79701 Post Office Box 1610 Midland, Texas 79702 Telephone 915 688 5200

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September 22, 1993

Mr. Bobby Meyers New Mexico Oil Conservation Division P. O. Box 2088 Santa Fe. NM 78504-2088

Dear Mr. Meyers:

The double walled fiberglass tanks ARCO Oil and Gas Company requested approval to install in our August 30, 1993 letter will have a device installed to monitor the integrity of the walls of the tanks by measuring the fluid level of a water solution which fills the space between the two walls of the tanks. This level will be monitored on a continuous basis by an automation system we are installing as part of this project and the information recorded monthly as part of the record keeping for the preventive maintenance program. A PVC pipe will also be installed in the soil between the tank and the 100 mil liner so a "sniffer" can be used to detect the presence of hydrocarbons.

If one of the tanks does develop leak, it will be removed along with any contaminated soil and replaced. The soil removed shall be disposed of in accordance with the environmental regulations in effect at the time.

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If you have any questions or need further information, please call me at 915-688-5719.

Sincerely,

Harry Harper G. A. Harper

Project Engineer





STATE OF NEW MEXICO OIL CONSERVITION DIVISION

MEMORANDUM OF MEETING OR CONVERSATION

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Telephone Personal	Time)]:40		Date Sept 23,93
Originating Party	•		Other Parties
Bobby Myers		Gary	Hauper - Arus O'l & Gas
<u>Subject</u> Lea Co installa	tion of u	nlergic	und drain tanks
Discussion			
Discussion Tanks have already	been ordere	d, there	fore they will go ahead w/
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Conclusions or Agreements			Α
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Western District 600 N. Marienfeld Midland, Texas 79701 Post Office Box 1610 Midland, Texas 79702 Telephone 915 688 5200

OIL CONSERVATION DIVISION RECE VED

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August 30, 1993

Mr. Roger Anderson Environmental Bureau Chief New Mexico Oil Conservation Division P. O. Box 2088 Santa Fe, NM 78504-2088

Dear Mr. Anderson:

ARCO Oil and Gas Company requests approval to install six buried closed drain tanks at the South Justis Waterflood in Lea County, New Mexico.

This unit became effective January 1, 1993, under Division Order No. R-9746, and construction of the production facilities for this unit is scheduled to be done between now and the end of the year. Drawings SK-CI010 and SK-CE603 detail the proposed installation. Amy Wright with John Brown engineering and Construction of Tulsa, Oklahoma, has previously discussed this installation with you.

The tanks are constructed with double fiberglass walls and a 100 mil impermeable polyethylene containment liner will be installed around the units. The integrity of the tanks is scheduled to be checked on a monthly basis as part of the preventive maintenance program to the raying. attached drawing PCA 901 shows the location of the proposed installation. The 6000 gallon tank configure of the proposed installation. The 6000 gallon tank configure of the proposed installation. The 6000 gallon tank configure of the proposed installation. The 6000 gallon tank configure of the proposed installation. tank will be installed at each of the five production satellites. Under normal operating conditions. these tanks will be empty, but they may contain some oil or saltwater if an upset occurs at the central battery or a satellite.

Please let me know if the installation of these tanks to this design is acceptable to the NMOCD. If you have any questions or need further information, please call me at 915-688-5719.

Sincerely,

G. A. Harper **Project Engineer**

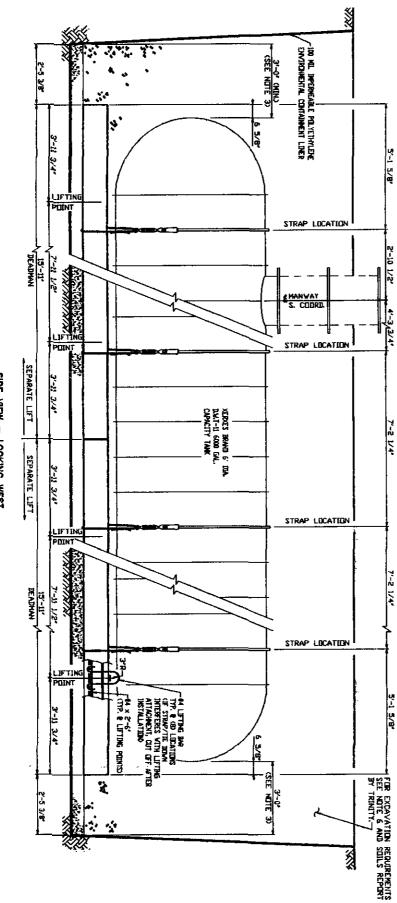
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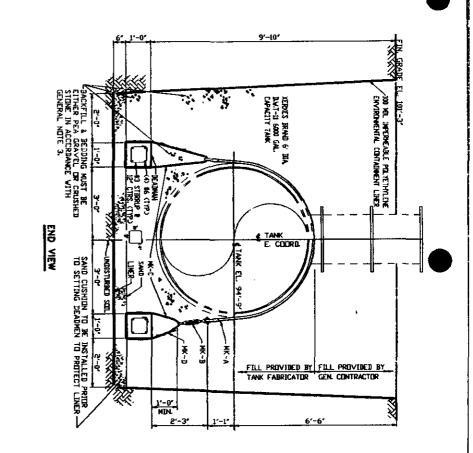
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ITEM NTS. <u># V-619</u>

ANCHOR SYSTEM FOR CLOSED DRAINED TANK (BURIED)

SIDE VIEW - LOOKING WEST





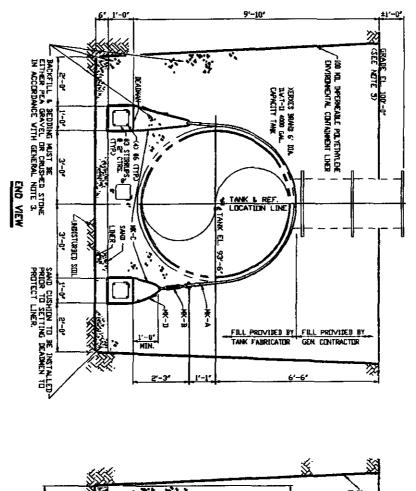
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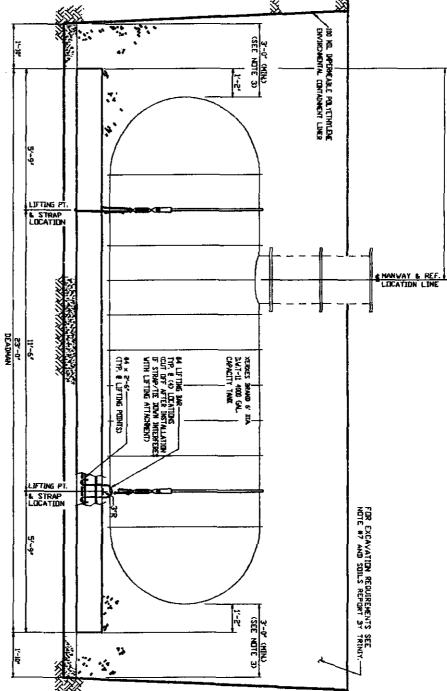
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SIDE VIEW LOOKING EAST



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