



PHILLIPS PETROLEUM COMPANY
3rd Floor Permian Building
Midland, Texas

April 5, 1963

Re: Kennedy State Lease, Maljamar Field,
Lea County, New Mexico
Waterflood Application

State Engineer
P. O. Box 1079
Santa Fe, New Mexico

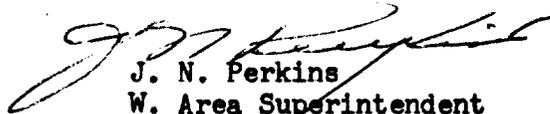
Dear Sir:

The attached copy of Phillips' application to the New Mexico Oil Conservation Commission for permission to convert its Kennedy State Well No. 1, Unit J, Section 2, 17S-32E, Lea County, New Mexico, to water injection and for designation of the N/2 of the SE/4 of the Section as a waterflood project area is being furnished in compliance with Memorandum No. 5-58.

The arrangements for a water supply for this project have not been completed, but it is anticipated that water will be purchased. The source of water under consideration is a 250 ft. Ogallala sand well located in the NE/4, NE/4, NE/4 of Section 1, 17S-32E, Lea County, New Mexico.

We will furnish your office confirmation of the water supply source and a water analysis as soon as the supply has been firmly established.

Yours truly,



J. N. Perkins
W. Area Superintendent
Production Division

DLC/jw

EXHIBIT NO. 4

Case No.

2799

Large Exhibit

LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE

LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE

BBL OIL PER MONTH

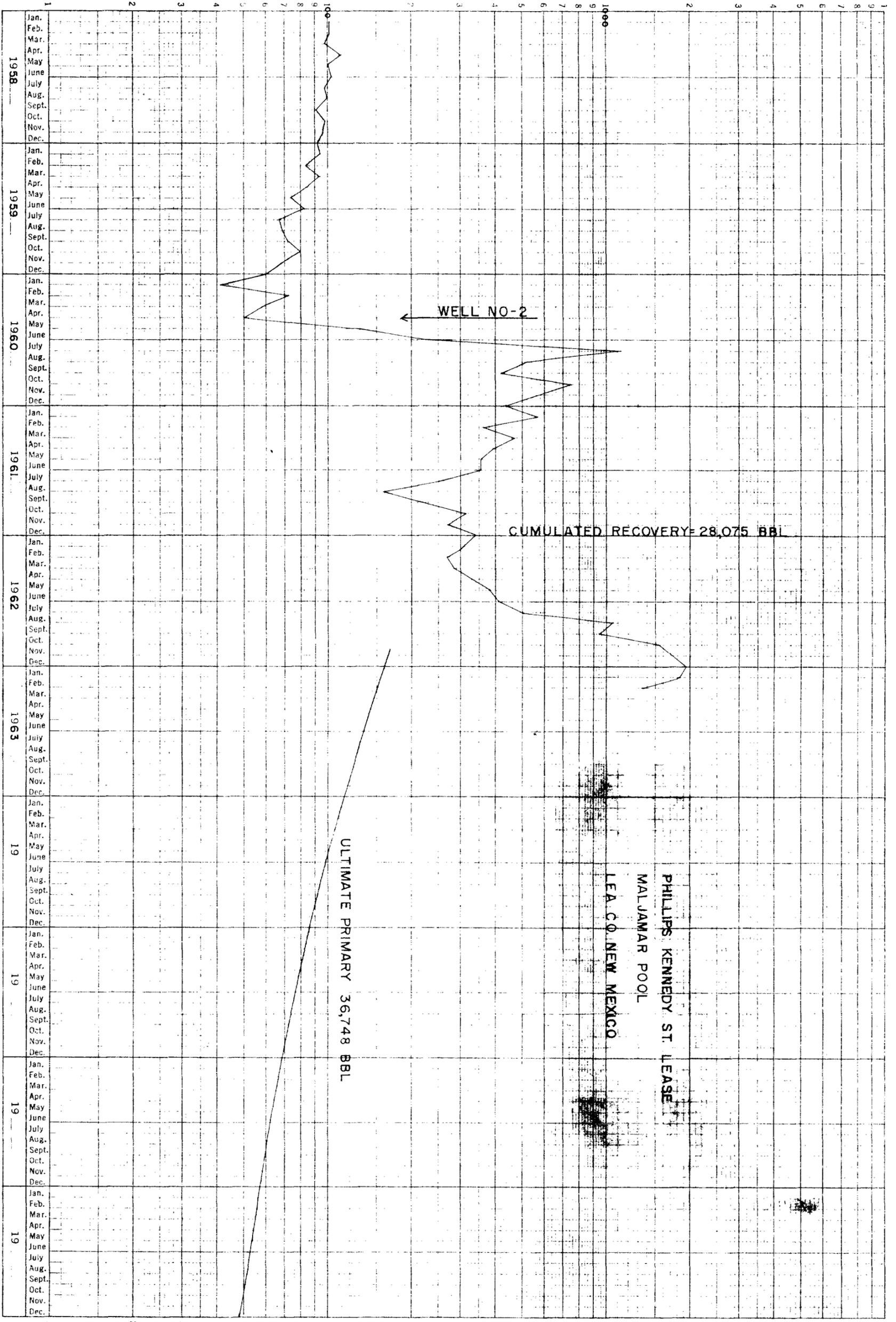


Exhibit No. 3

REPRODUCED BY
WEST TEXAS ELECTRICAL LOG SERVICE

1305 Commerce Street
Dallas 1, Texas

REFERENCE No. A 639-B

Phillips Kennedy State Well No. 1

LANE RADIOACTIVITY LOG WELLS COMPANY

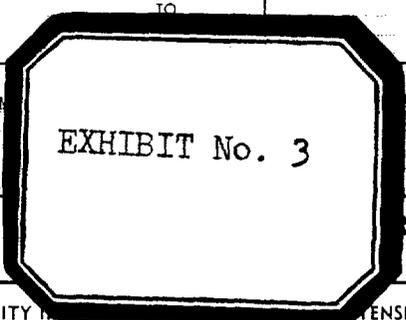
| | | |
|------------------|--|---|
| Location of Well | COMPANY: G. H. VAUGHN | LOCATION: COUNTY: LEA STATE: N.M. |
| | WELL: STATE NO. 1-2 FILE: FIELD: MALJAMAR COUNTY: LEA STATE: N.M. LOCATION: 1980' RS&E/L OF SEC. 2-17S-32S | |

| | |
|---|---|
| LOG MEASURED FROM 5 1/2" CSG. FLANGE ELEVATION * | COMPANY: G. H. VAUGHN WELL: STATE NO. 1-2 FILE: FIELD: MALJAMAR COUNTY: LEA STATE: N.M. |
| DRILLING MEASURED FROM 5 1/2" CSG. F. ELEVATION * | |
| PERMANENT DATUM 5 1/2" CASING FLANGE ELEVATION * | |

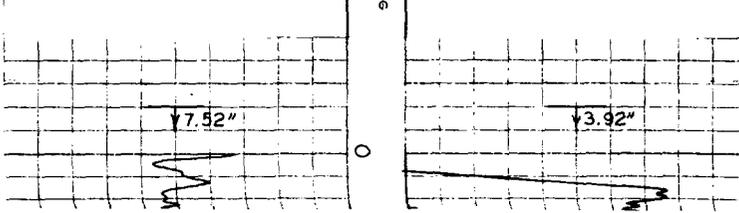
| | | |
|---------------------------|-----------|---------|
| RUN NUMBER | 1 | 1 |
| TYPE OF LOG | GAMMA RAY | NEUTRON |
| DATE | 3-9-49 | 3-9-49 |
| COMPANY DEPTH STRAIN | 4333' | 4333' |
| MAXIMUM DEPTH REACHED | 4333' | 4333' |
| WELL FLUID | OIL | OIL |
| FLUID LEVEL | 60' | 60' |
| MAXIMUM TEMPERATURE | | |
| O.D. OF INSTRUMENT—INCHES | 3 5/8 | 3 5/8 |
| SENSITIVITY REFERENCE | 274 | 275 |
| RECORDED BY | SCHWARTZ | OK |
| WITNESSED BY | RICH | RICH |

| CASING RECORD | | | OPEN HOLE RECORD | | |
|---------------|----------|---------|------------------|--------------|---------------|
| RUN NO. | SIZE—IN. | WT.—LB. | INTERVAL | BIT SIZE—IN. | INTERVAL |
| 1 | 5 1/2 | | SURFACE TO 4003' | 4 3/4 | 4003' TO T.D. |
| | | | TO | | TO |
| | | | TO | | TO |
| | | | TO | | TO |

* DISTANCE FROM ... UNKNOWN.



GAMMA RAY NEUTRON
RADIATION INTENSITY INCPH. RADIATION INTENSITY INCPH. INCREASES



BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE No. 2799
Order No. R-2484

APPLICATION OF PHILLIPS PETROLEUM
COMPANY FOR A WATERFLOOD PROJECT,
MALJAMAR POOL, LEA COUNTY, NEW
MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on April 24, 1963, at Santa Fe, New Mexico, before Elvis A. Utz, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

Now, on this 8th day of May, 1963, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Elvis A. Utz, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Phillips Petroleum Company, seeks permission to institute a waterflood project in the Maljamar Pool by the injection of water into the Grayburg-San Andres formations through its Kennedy State Well No. 1, located 1980 feet from the South line and 1980 feet from the East line of Section 2, Township 17 South, Range 32 East, NMPM, Lea County, New Mexico.

(3) That the proposed project area consists of the N/2 SE/4 of Section 2, Township 17 South, Range 32 East, NMPM, Lea County, New Mexico.

(4) That the wells in the project area are in an advanced state of depletion and should properly be classified as "stripper" wells.

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(5) That the proposed waterflood project is in the interest of conservation and should result in recovery of otherwise unrecoverable oil.

(6) That the applicant proposes to inject water down 5 1/2-inch production casing into an open hole interval at approximately 4000 to 4420 feet after testing the production casing to withstand 2000 pounds pressure psi to assure adequate protection of producing formations in the area.

(7) That if the casing will not withstand 2000 pounds pressure psi, injection should be accomplished through internally plastic-coated tubing installed in a packer set above the injection interval.

(8) That the subject application should be approved and the project should be governed by the provisions of Rule 701 of the Commission Rules and Regulations.

IT IS THEREFORE ORDERED:

(1) That the applicant, Phillips Petroleum Company, is hereby authorized to institute a waterflood project in the Maljamar Pool by the injection of water into the Grayburg-San Andres formations through its Kennedy State Well No. 1, located 1980 feet from the South line and 1980 feet from the East line of Section 2, Township 17 South, Range 32 East, NMPM, Lea County, New Mexico.

(2) That the project area shall consist of the N/2 SE/4 of Section 2, Township 17 South, Range 32 East, NMPM, Lea County, New Mexico.

(3) That the applicant shall test the casing in the subject well prior to injection and notify the Commission's Hobbs District Office of the results of said test; that if the casing will not withstand 2000 pounds pressure psi, injection shall be accomplished through internally plastic-coated tubing installed in a packet set above the injection interval.

(4) That the subject waterflood project shall be governed by the provisions of Rule 701 of the Commission Rules and Regulations, including the allowable provisions thereof, and including the provisions with respect to expansion of the waterflood project.

(5) That monthly progress reports of the waterflood project herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1119 of the Commission Rules and Regulations.

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(6) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

Jack M Campbell

JACK M. CAMPBELL, Chairman

E. S. Walker

E. S. WALKER, Member

A. L. Porter, Jr.

A. L. PORTER, Jr., Member & Secretary

