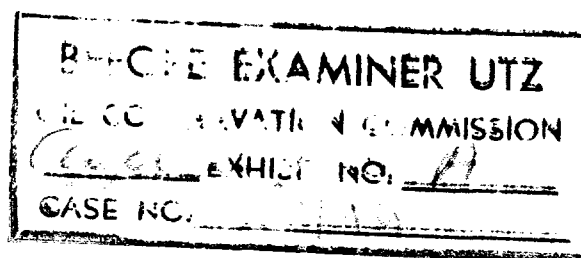


PHILLIPS PETROLEUM COMPANY'S

Application For Authority To Initiate A Waterflood Project
On Its Kennedy State Lease, Maljamar Pool, Lea County, New
Mexico

Case No. 2799

April 24, 1963



SUMMARY OF EXHIBITS

- Exhibit No. 1 - A map of that portion of the Maljamar Pool in the vicinity of Phillips' Kennedy State proposed waterflood area showing all wells within a radius of two miles of the proposed injection well.
- Exhibit No. 2 - A plat of the Maljamar area showing the waterflood projects and the injection wells in the vicinity of the proposed Phillips' Kennedy State waterflood project.
- Exhibit No. 3 - A skematic sketch showing the oil producing rates and water injection rates of wells in the vicinity of the proposed Phillips' Kennedy State waterflood project.
- Exhibit No. 4 - A north-south cross-section through the Phillips' Kennedy State Lease.
- Exhibit No. 5 - An east-west cross-section through the Phillips' Kennedy State Lease.
- Exhibit No. 6 - Phillips' Kennedy State Lease production curve.
- Exhibit No. 7 - Phillips' Kennedy State Lease injection well data.
- Exhibit No. 8 - Copy of a letter to the State Engineer transmitting a copy of Phillips' application to the New Mexico Oil Conservation Commission for permission to inject water into the Phillips' Kennedy State Well No. 1 and for designation of the lease as a waterflood project area.



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

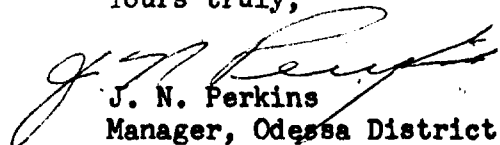
Dear Sir:

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
Manager, Odessa District
Production Division

DLC/jw

EXHIBIT NO.

INJECTION WELL DATA - PHILLIPS KENNEDY STATE
LEASE

Waterflood Project Area Application

Well Name Phillips Kennedy State Well No. 1
Well Location Unit "J", 1980' FSL and FEL, Section
2-17S-32E, Lea County, New Mexico
Field Classification. Maljamar (Grayburg San Andres)
Surface Casing 9-5/8" set at 1200' and cemented
with 600 sacks
Production Casing 5-1/2" set at 4000' and cemented
with 100 sacks
Injection Interval Open hole 4000' to 4420'
Zone of Injection Grayburg-San Andres
Injection Fluid Water
Type of Injection System Closed
Water Source (tentative). 250' Ogallala water well NE/4,
NE/4, NE/4, Section 1-17S-32E,
Lea County, New Mexico
Injection Rates 100 to 500 barrels of water per day

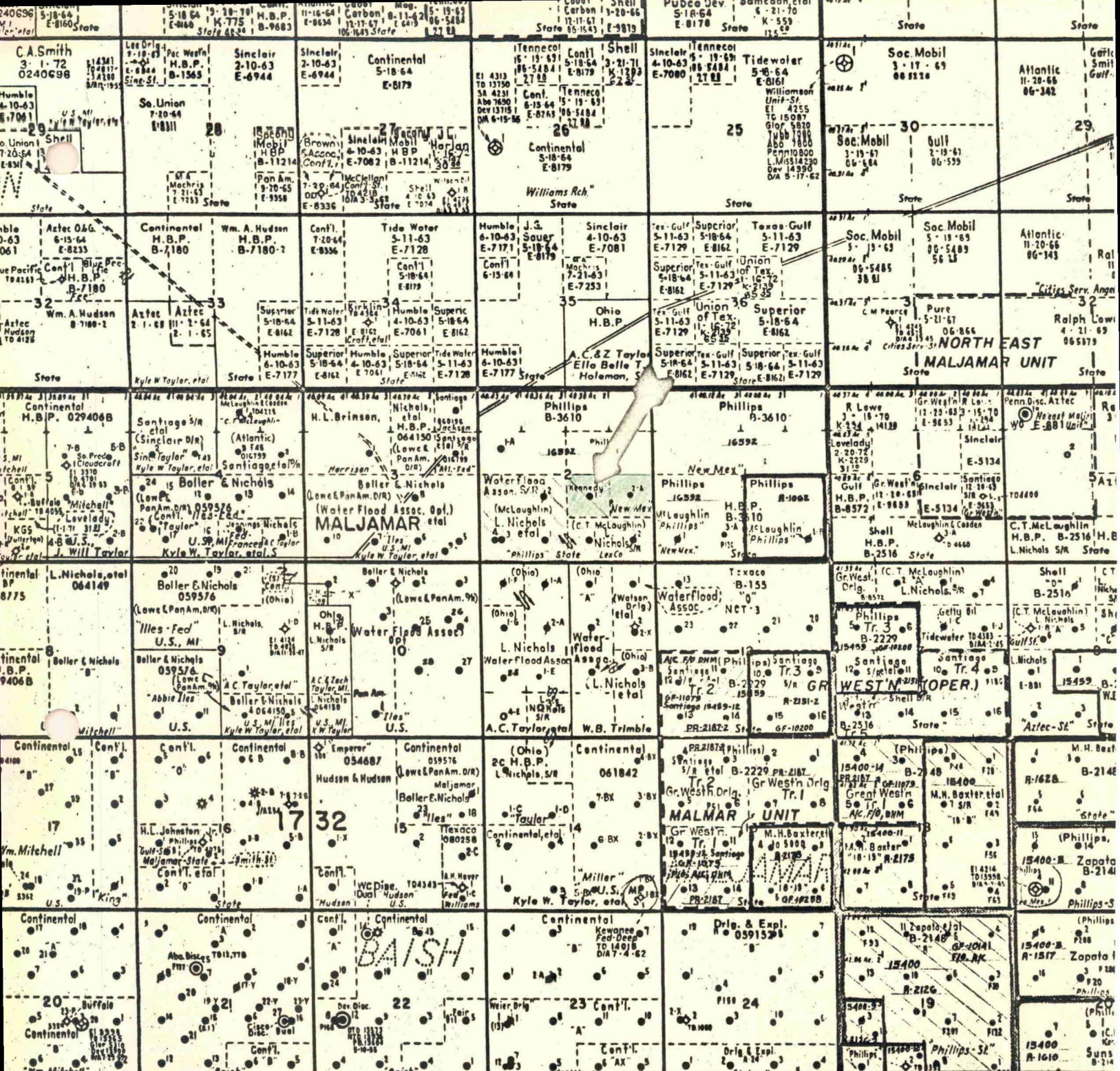


Exhibit No. 1

MAP OF THAT PORTION OF THE MALJAMAR POOL IN THE VICINITY OF
 PHILLIPS' KENNEDY STATE PROPOSED WATERFLOOD AREA
 N/2, SE/4, SECTION 2, 17S-32E, LEA COUNTY, N.M.

Proposed injection well Phillips' Kennedy State No. 1, Unit J of
 Section 2, 17S-32E.

All wells within a radius of two miles of the proposed water injection well produce from the Grayburg San Andres zone except the Pan American North Maljamar Deep Unit Well No. 1, Unit N, Section 10, 17S-32E which produces from the Wolfcamp 10,834 ft. to 10,876 ft.

PHILLIPS PETROLEUM COMPANY

EAST-WEST CROSS SECTION

B- B'

MALJAMAR FIELD

17 S - 32 E

LEA CO., N.M.

GEOLOGY BY: J. C. VAUGHN

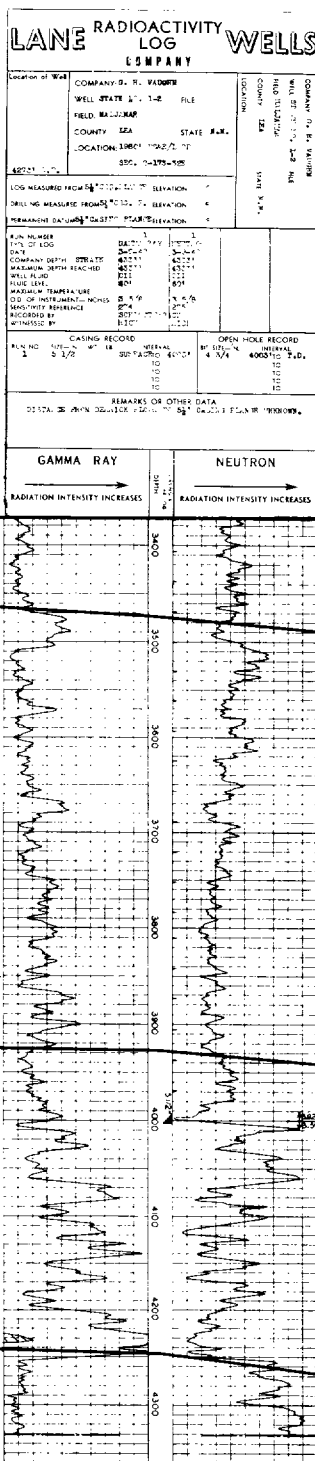
B

WEST

B'

EAST

STATE New Mexico		COMPANY McLaughlin-Cosden	
COUNTY Lea	FARM Phillips State #2	WELL NO. 4315L	
SIC 2		SURVEY 1980' Fr S & W's	
T. 17S	R. 32E	TOTAL DEPTH 4315L	
CONTRACTOR 11/29/45		COMPLETED 3/25/46	
REMARKS 4274 dr		ALTITUDE 4274 dr	
CASING RECORD			
B 5/8 - 1230-50			
7-3/4 - set			
5 1/2 - 4063-100			
2" - 4270			
TIME RATE SCALE: 1/10" = 1 MINUTE			



Nuclear Log

COMPANY: PHILLIPS PETROLEUM COMPANY
WELL: MALJAMAR #2
COUNTY: LEA
LOCATION: 17S-32E-17S-32E

DATE: 11/29/45
CONTRACTOR: 11/29/45
MAXIMUM DEPTH REACHED: 4315L
WELL LOG: 4315L
FLUID LEVEL: 4315L
MAGNANIMITY: 4315L
LOG OF INSTRUMENT: 4315L
SMOOTHED RECORD: 4315L
RECORDED BY: 4315L
WITNESSED BY: 4315L

CASING RECORD: 4315L
REMARKS OR OTHER DATA: 4315L

