



Zapata Division

1007 MIDLAND SAVINGS BUILDING • MIDLAND, TEXAS 79704 • PHONE 915 MUTUAL 2-7316

March 9, 1965

WFX - 200
file Mar 26

100-100-100

Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Attention: Mr. A. L. Porter, Jr.

Gentlemen:

Pennzoil Company respectfully requests administrative approval as provided in Rule 701E for the conversion of the following wells to water injection, located on the Western State Lease, Maljamar Field, Lea County, New Mexico.

Well No. 4, Unit H, Sec. 20, T-17-S, R-33-E

Well No. 10, Unit P, Sec. 17, T-17-S, R-33-E

This waterflood project was originally authorized by New Mexico Oil Conservation Commission Order No. 2157 dated January 3, 1962.

These wells are offset by producing wells which have experienced response from the waterflood. Form C-116 is attached which shows tests before and after stimulation.

Water used for injection is purchased from Caprock Water Company and is produced from the Ogala formation.

The proposed injection wells are located on a pattern previously established in this area of the Maljamar Field, results of which have indicated an efficient sweep into the Grayburg and San Andres formations. The injection wells will be equipped with plastic lined tubing and a packer, as shown on the attached schematic diagram, to prevent possible contamination of fresh water zones.

Copies of the application have been sent to the State Engineer and all offset operators as indicated below:

Page No. 2
Oil Conservation Commission
3/9/65

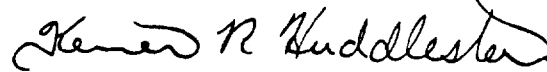
Kennedy Oil Company
Box 151
Artesia, New Mexico

Standard Oil Company of Texas
Box 1660
Midland, Texas

Phillips Petroleum Company
Phillips Building
Odessa, Texas

Sunset International Petroleum Corporation
Two-O-One Building, Suite 308
Midland, Texas

Yours very truly,

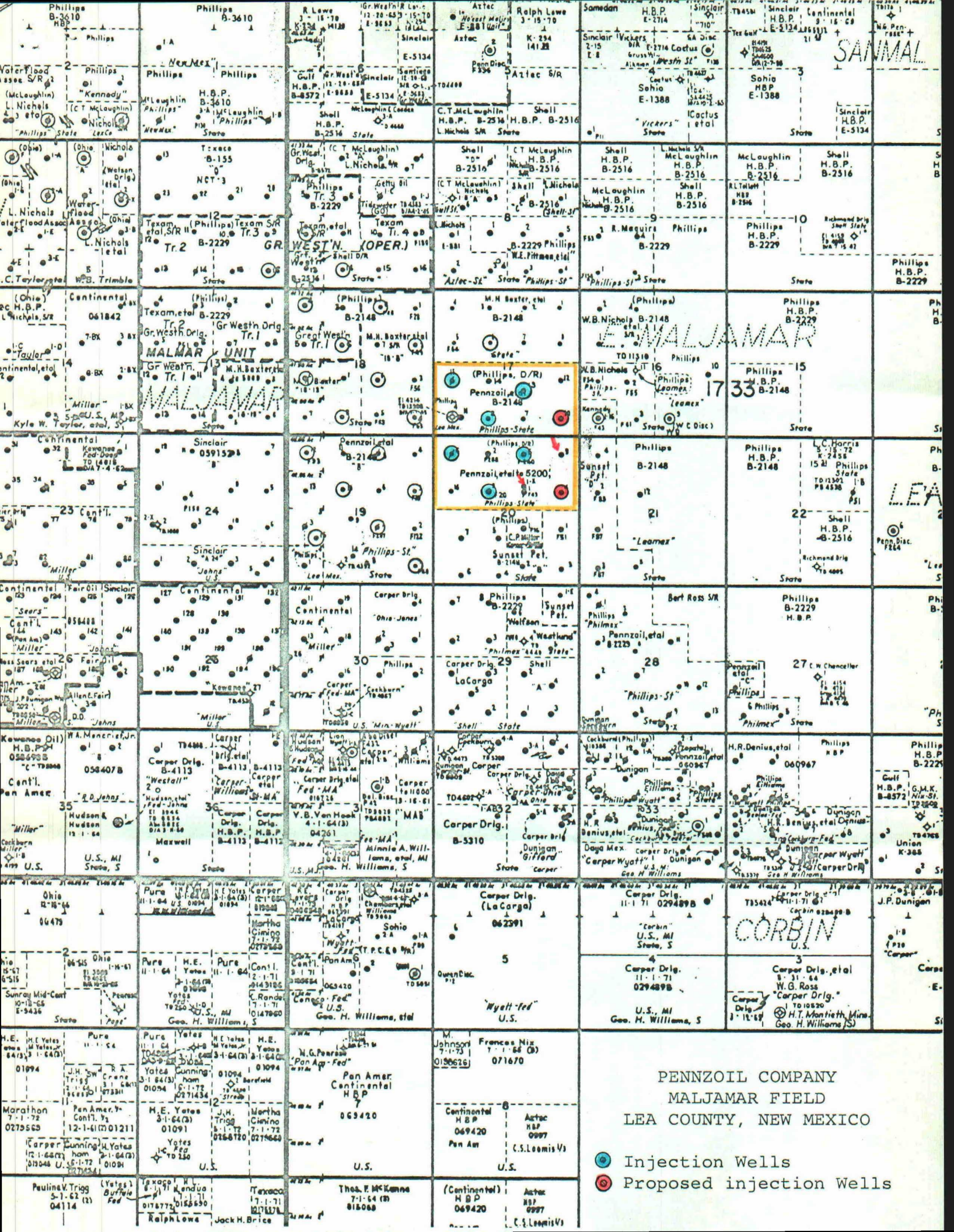
A handwritten signature in cursive script, reading "Kenneth R. Huddleston".

Kenneth R. Huddleston

KRH:VW
Encl.

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

Oil Conservation Commission
P. O. Box 2045
Hobbs, New Mexico



NEW MEXICO OIL CONSERVATION COMMISSION

GAS-OIL RATIO REPORT

OPERATOR PENNZOIL COMPANY POOL MALJAMAR
1007 Midland Savings Building,
ADDRESS Midland, Texas MONTH OF March, 1965
SCHEDULED TEST..... COMPLETION TEST..... SPECIAL TEST X..... (Check One)
(See Instructions on Reverse Side)

Lease	Well No.	Date of Test	Producing Method	Choke Size	Test Hours	Daily Allowable Bbls.	Production During Test			GOR Cu. Ft. Per Bbl.
							Water Bbls.	Oil Bbls.	Gas MCF	
			<u>TEST BEFORE STIMULATION</u>							
Western State	1-X	2-10-1964	Pump	-	24	20	0	22.6	22.1	980
Western State	9	2-18-1964	Pump	-	24	5	0	5.5	19.0	3460
			<u>TEST AFTER STIMULATION</u>							
Western State	1-X	3-8-1965	Pump	-	24	188	130.8	157.7	73.6	470
Western State	9	3-6-1965	Pump	-	24	19	2.0	18.4	11.4	620

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60 degrees F. Specific gravity base will be 0.60.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission. In accordance with Rule 301 and Appropriate Pool Rules.

(I certify that the information given is true and complete to the best of my knowledge.)

Date March 9, 1965

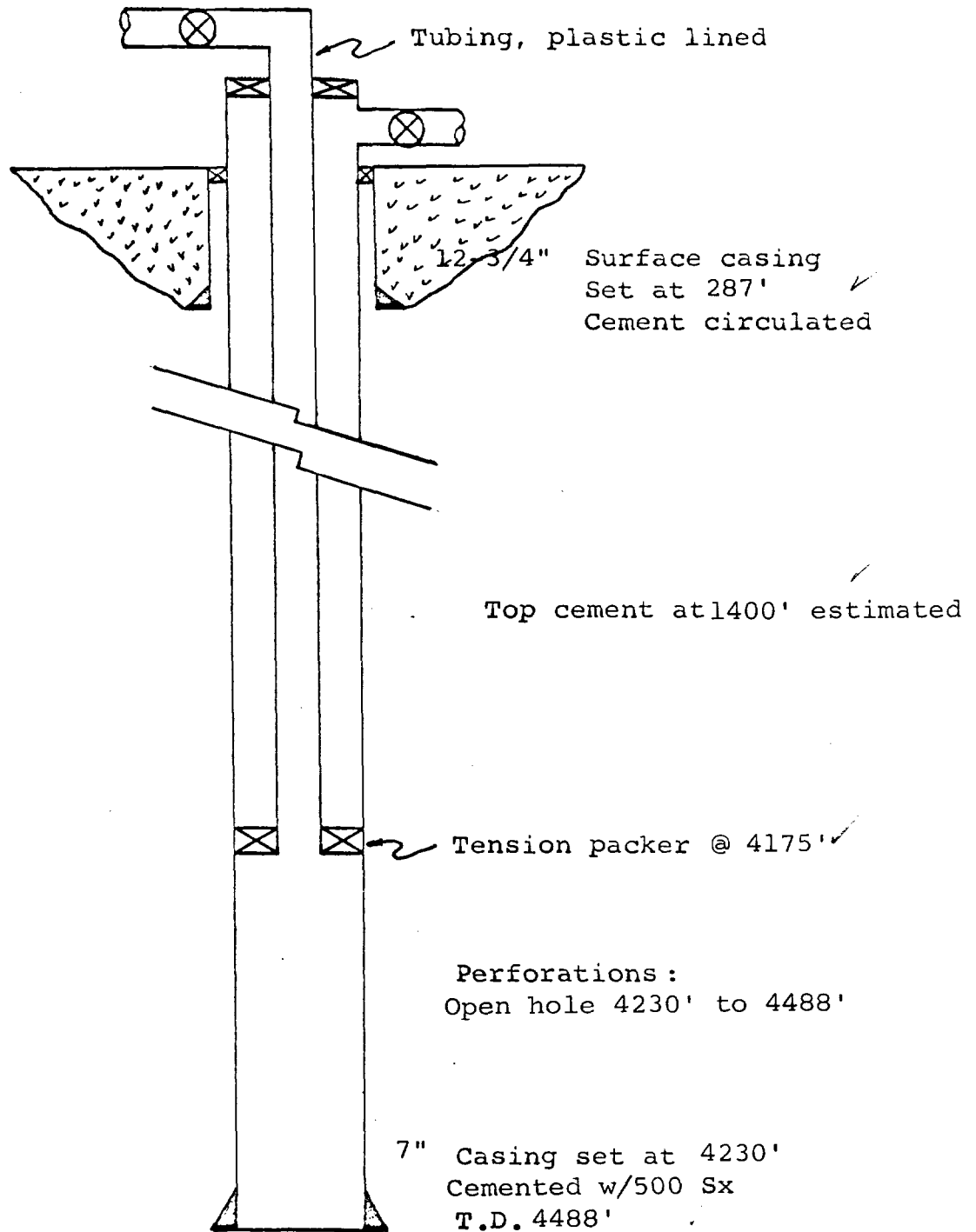
PENNZOIL COMPANY

By Kenneth R. Huddleston
Kenneth R. Huddleston

Title Engineer

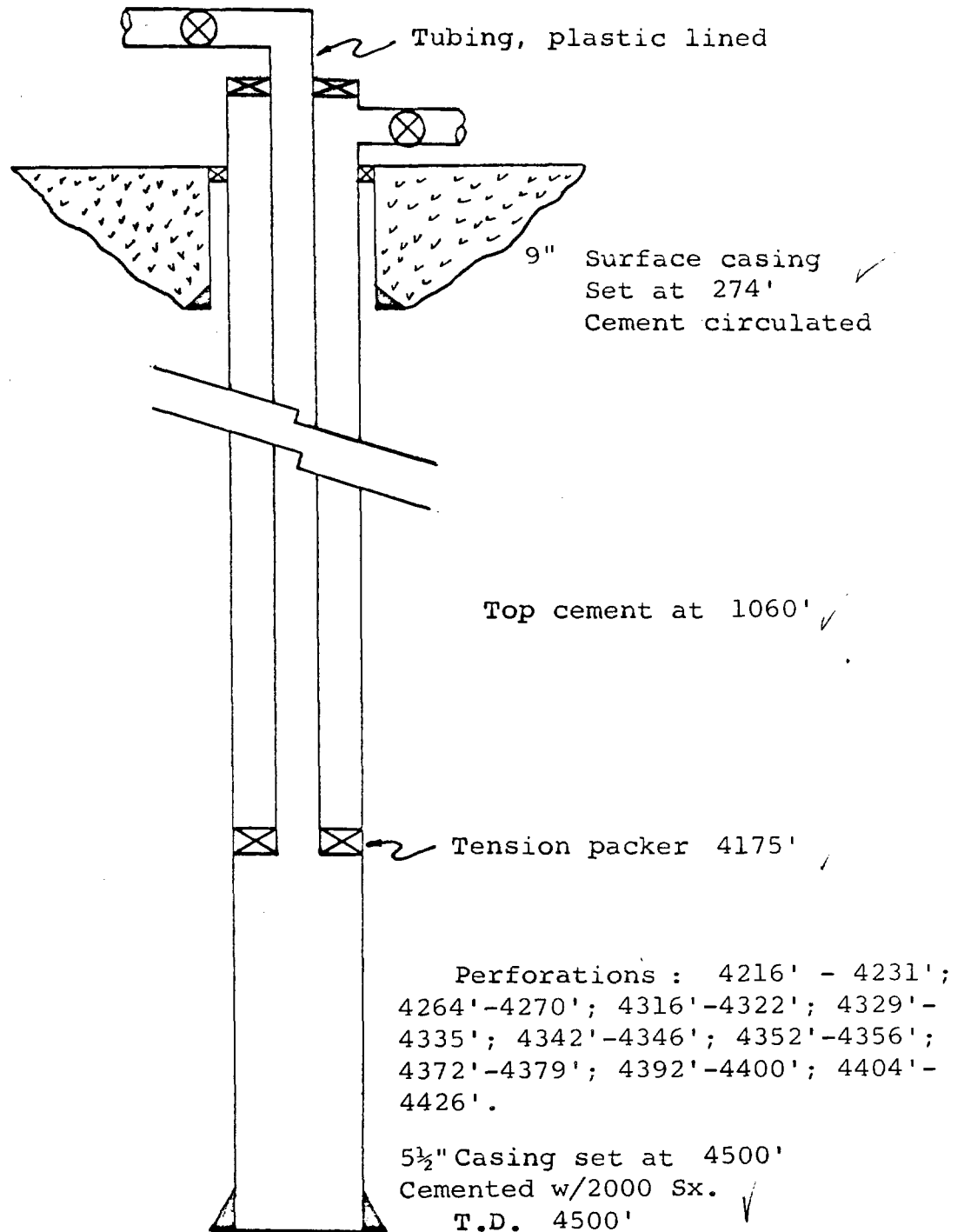
PENNZOIL COMPANY
WATER INJECTION WELL SCHEMATIC
MALJAMAR FIELD
LEA COUNTY, NEW MEXICO

Western State No. 4



PENNZOIL COMPANY
WATER INJECTION WELL SCHEMATIC
MALJAMAR FIELD
LEA COUNTY, NEW MEXICO

Western State No. 10





STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

March 12, 1965

S. E. REYNOLDS
STATE ENGINEER

ADDRESS CORRESPONDENCE TO:
STATE CAPITOL
SANTA FE, N. M.

Mr. A. L. Porter, Jr.
Secretary-Director
Oil Conservation Commission
Santa Fe, New Mexico

Dear Mr. Porter:

Reference is made to the application of Pennzoil Company dated March 9, 1965 which requests administrative approval to convert the following wells to water injection in their Western State Lease, Maljamar Field:

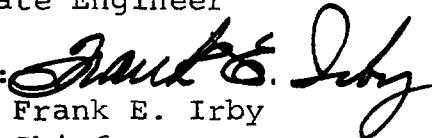
Well No. 4, Unit H, Sec. 20, T. 17-S, R-33 E.
Well No. 10, Unit P, Sec. 17, T. 17-S, R-33-E.

Mr. Huddleston's application states in part "The injection wells will be equipped with plastic lined tubing and a packer, as shown on the attached schematic diagram, to prevent possible contamination of fresh water zones."

This office offers no objection to the granting of the application provided the wells are constructed and equipped as indicated by the schematic diagrams attached to the application for the Western State No. 4 and Western State No. 10 wells.

Yours truly,

S. E. Reynolds
State Engineer

By: 
Frank E. Irby
Chief
Water Rights Div.

FEI/ma
cc-Pennzoil Co.
F. H. Hennighausen