

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

August 6, 1991

Phillips Petroleum Company
4001 Penbrook
Odessa, Texas 79762

Attention: Larry M. Sanders

Re: Reclassification of Maljamar SWD Well No. 1

Dear Mr. Sanders:

Reference is made to your request to reclassify the Maljamar SWD Well No. 1 located 660 feet from the North line and 1980 feet from the East line (Unit B) of Section 26, Township 17 South, Range 33 East, NMPM, Lea County, New Mexico, from a salt water disposal well to an injection well within the Maljamar Philmex Waterflood Project, Maljamar Grayburg San Andres Pool, (previously approved by Division Order No. R-3668, as amended). It is our understanding that the subject well was originally permitted for use as a salt water disposal well by Division Order No. SWD-126 dated June 28, 1972. It is further our understanding that the physical characteristics of the subject well, including the perforated interval will not change as a result of reclassification.

The Maljamar SWD Well NO. 1, as described above, is hereby reclassified as an injection well within the Maljamar Philmex Waterflood Project and redesignated the Philmex Well No. 9.

Sincerely,

A handwritten signature in dark ink, appearing to read "William J. LeMay", with a long vertical line extending downwards from the end of the signature.

William J. LeMay
Director

xc: OCD-Hobbs
Case File-4035 ✓
File-SWD-126
Sarah Archuleta

FAX TRANSMITTAL SHEET
OIL CONSERVATION DIVISION
HOBBS, NM
FAX NO. (505) 393-0720

TO: Mike Stogner 505-827-5741	FROM: Evelyn Downs
PAGES w/COVER: 89	DATE: 6-21-91

If there is any problem with this transmission, please call (505) 393-6161.

Let me know what we will do about this.

The E/2 of sec. 26-17-33 was deleted from Vacuum Pool & placed in the Malj. pool by R-8772 (11-1-88) and Phillips is reporting this as their C-115. In the Maljama Pool, but it does not appear to be picked up as an injection well since we still have it classified as SWD.

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OPERATOR'S MONTHLY REPORT FORM C-115 OIL CONSERVATION DIVISION
OPERATOR: PHILLIPS PETROLEUM COMPANY ADDRESS: 4001 PENBROOK ODESSA, TEXAS 79762 FOR: APRIL, 1991 PAGE 36 OF 160

POOL NAME (UNDERLINE)	LEASE NAME	WELL UNIT SEC-T-R	STAT	INJECTION			PRODUCTION					DISPOSITION OF GAS					DISPOSITION OF OIL				
				VOLUME	PRESS	BARRELS OIL-COND. PROD	BARRELS WATER PROD	GAS PROD (MCF)	DAYS PROD			SOLD TRN	OTHER (BEG)	OIL ON HAND	BLS TO	OTHER (END)					

SECTION 1 - OIL

PHILLIPS-STATE-E

B-2229

(CONTINUED)

*** LEASE TOTAL ***

34023

2824

27232

5838

5038 PNG

800 V

1068

941 TMM
1701 P P

1250

MALJAMAR GRAYBURG SAN ANDRES

PHILMEX

B-2229

005	N	27	175	33E	P			376		159		134		30							
006	M	27	175	33E	I	313862	2250							30							
009	B	26	175	33E	I	29722	1500							30							
010	K	27	175	33E	P			121		5340		152		30							
011	P	27	175	33E	P			52		15		127		30							
012	D	35	175	33E	P			648		1260		699		30							
013	B	27	175	33E	P			52		9		165		30							
015	A	28	175	33E	P			175		108		730		30							
016	N	26	175	33E	P			55		1		153		30							
017	Q	27	175	33E	P			102		96		212		30							
022	E	27	175	33E	P			46		3		68		30							
026	L	26	175	33E	P			69		40		156		30							
029	F	27	175	33E	P			42		33		84		30							
032	M	28	175	33E	P			115		174		196		30							

DISTRIBUTION:	STATUS CODE	"OTHER" GAS DISPOSITION CODE	"OTHER" OIL DISPOSITION CODE	I HEREBY CERTIFY THAT
ORIGINAL TO OGD SANTA FE	F. FLOWING	X. USED OFF LEASE	C. CIRCULATING	THE INFORMATION GIVEN
ONE COPY TO OGD DIST. OFFICE	P. PUMPING	D. USED FOR DRILLING	L. LOST	IS TRUE AND COMPLETE
ONE COPY TO TRANSPORTER(S)	G. GAS LIFT	G. GAS LIFT	S. SEDIMENTATION (BS&W)	TO THE BEST OF MY
	S. SHUT IN	L. LOST (MCF ESTIMATED)	E. EXPLANATION ATTACHED	KNOWLEDGE.
	T. TEMP ABANDONED	E. EXPLANATION ATTACHED	T. THEFT	DOYLE PRUDEN
	I. INJECTION	R. REPRESSURING OR PRESS MAINT		PRODUCTION RECORDS
	D. DISCONTINUED	V. VENTED		SUPERVISOR
FORM C-115		U. USED ON LEASE		915-368-1213
REVISED 1-1-89				



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

7-8-88

POST OFFICE BOX 1990
HOBBS, NEW MEXICO 88241-1990
(505) 393-6161

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC _____
DHC _____
NSL _____
NSP _____
SWD X amend
WFX _____
PMX _____

Gentlemen:

I have examined the application for the:

Phillips Pet Co. Philmes #9 (maly. Int #1) - B 26-17-33
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

[Signature]

Yours very truly,

[Signature]
Jerry Sexton
Supervisor, District 1

/ed

**PHILLIPS PETROLEUM COMPANY**ODESSA, TEXAS 79762
4001 PENBROOKEXPLORATION AND PRODUCTION GROUP
Permian Basin RegionOdessa, Texas
July 5, 1988Maljamar SWD Well No. 1
Vacuum (Grayburg-San Andres) Pool
Lea County, New MexicoNew Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention: William J. Lemay, Director

Gentlemen:

Attached is Phillips Petroleum Company's application to increase the injection interval in the subject well. This well was originally permitted as a disposal well in the Vacuum (Grayburg-San Andres) Pool under Order No. SWD-126 dated June 28, 1972, and was originally the Philmex Well No. 9.

After further drilling activities and waterflood operations developed on the Philmex Lease, it has been determined there is some overlapping of the Vacuum (Grayburg-San Andres) Pool and the Maljamar (Grayburg-San Andres) Pool nomenclature. To help alleviate any further problems, we respectfully request the Maljamar SWD Well No. 1 be renamed to the Philmex Well No. 9 and be re-classified to a water-injector in the approved Philmex waterflood in the Maljamar (Grayburg-San Andres) Pool. Project approved under Division Order No. WFX502. The appropriate forms will be filed with the District Office after we receive your approval.

The physical operation of the well will remain the same, with the exception of the additional injection interval, and the only changes will be in the status of the well, and a field name change.

If you need any additional information, or if I can be of any further assistance, please contact me at the letterhead address or telephone (915) 367-1488.

Sincerely,

L. M. Sanders, Supervisor
Regulation and ProrationLMS:lsw
REG/PRO10/Malj SWD1cc: New Mexico Oil Conservation Division
Hobbs, N.M.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

POST OFFICE BOX 2000
STATE LAND OFFICE BUILDING
SANTA FE NEW MEXICO 87501FORM C-108
Revised 7-1-81

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☒ yes ☐ no
- II. Operator: Phillips Petroleum Company
Address: 4001 Penbrook Street, Odessa, Texas 79762
Contact party: L. M. Sanders Phone: 915/367-1488
- III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? ☒ yes ☐ no
If yes, give the Division order number authorizing the project WFX 502
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any. *SEE ATTACHED C-103*
- X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
- XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification
- I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- Name: W. J. Mueller Title Engineering Supervisor, Reservoir
- Signature: L. M. Sanders for WJM Date: June 30, 1988
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal. Information previously submitted when well converted to LWD

PHILMEX MALJAMAR WATERFLOOD PROJECT
PROPOSED ADDITIONAL INJECTION WELL

III. WELL DATA

A. (1) **Lease & Well:** Philmex #9
Location: 660' FNL & 1980' FEL
 Section 26, T-17-S, R-33-E
 Lea County, New Mexico

	<u>HOLE SIZE</u>	<u>TUBULAR SIZE</u>	<u>TUBULAR WEIGHT</u>	<u>SETTING DEPTH</u>	<u>SXS CMT. USED</u>	<u>TOC (DETERMINATION)</u>
A. (2) Surface:	17-1/2"	13-3/8"	48#	335'	375	Surface (Circulate)
Intermediate:	11"	8-5/8"	32 & 24#	4664'	600	2800' (Temp. Survey)
Production:	7-7/8"	5-1/2"	17, 15 & 14#	11479'	940 (2 Stg.)	3000' (Temp. Survey)
A. (3) Tubing:	-	2-7/8"	-	4450'	*Salta-Lined	
A. (4) Name: Baker Tension Packer						
Model: AD-1						
Set. Depth: 4450'						

B. (1) **Injection Formation:** Maljamar (Grayburg/San Andres)

B. (2) **Injection Interval:** Perforated - 4542' to 4550'
 4658' to 4676'
 4680' to 4684'
 4691' to 4695'
 4872' to 4876'
 4960' to 5010'
 5070' to 5090'

B. (3) **Original Well Purpose:** Producer

B. (4) **See Schematic**

B. (5) **None**

VII. PROPOSED OPERATION

1. Average Rate = 1000 bwpd
Maximum Rate = 2000 bwpd
2. Closed System
3. Average Pressure = 850#
Maximum Pressure = 1570#
4. Reinjecting produced water only
5. N/A

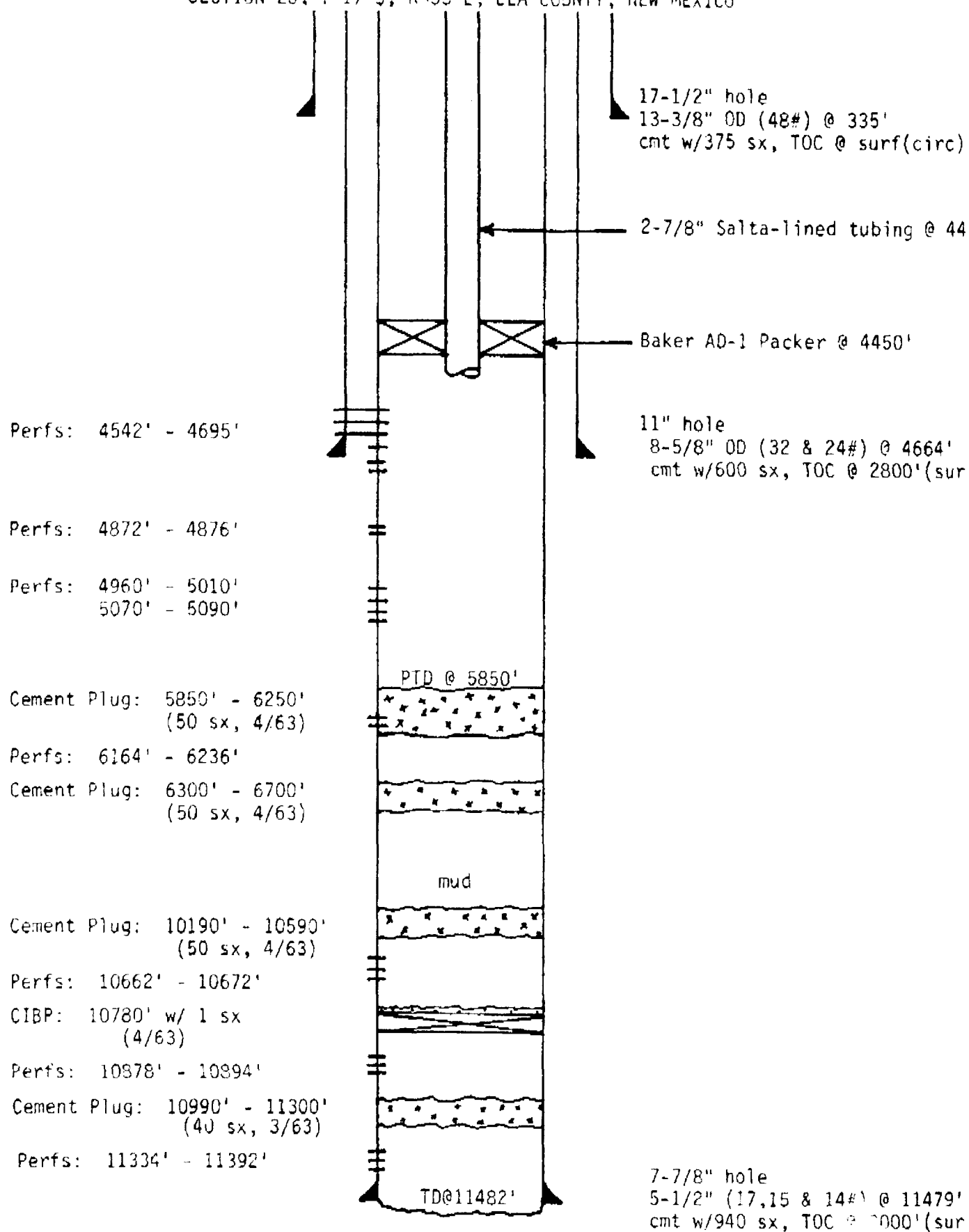
RE.P4/philmed waterflood

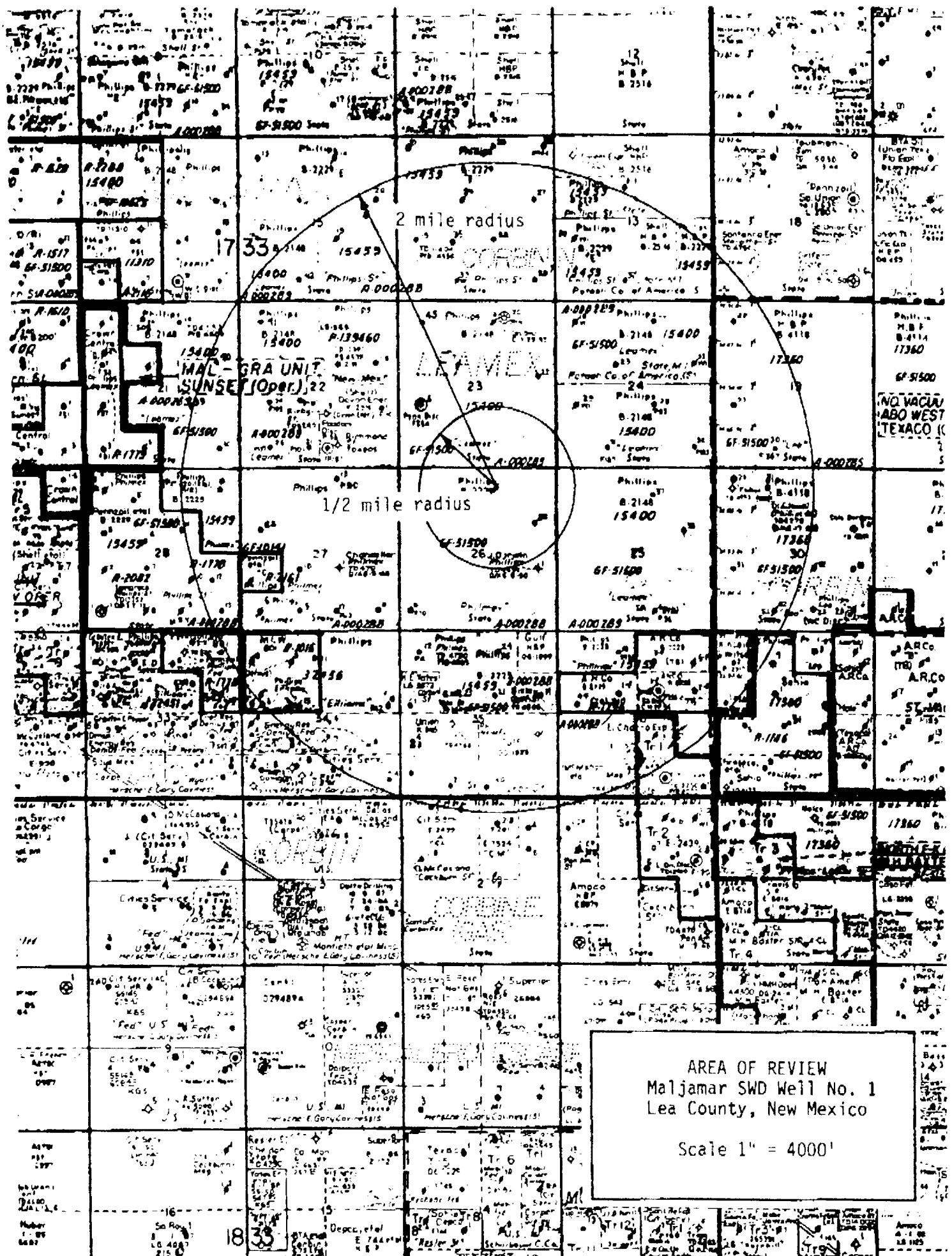
PHILMEX MALJAMAR WATERFLOOD PROJECT

PROPOSED INJECTION WELL, PHILMEX #9

660' FNL and 1980' FEL, UNIT B

SECTION 26, T-17-S, R-33-E; LEA COUNTY, NEW MEXICO





Received

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

JUL 06 1988

P O BOX 2088

SANTA FE, NEW MEXICO 87501

P.B.R. Regulatory Section Form C-103
Revised 10-1-78

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
N.S. & L.	
LAND OFFICE	
OPERATOR	

API No. 30-025-20516

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR
USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

11	ON WELL ☐ GAS WELL ☐ OTHER SWD per Order No. 126	5a Indicate Type of Lease State ☒ Fee ☐
12	Name of Operator Phillips Petroleum Company	5 State Oil & Gas Lease No B-2229
13	Address of Operator 4001 Penbrook Street, Odessa, Texas 79762	7 Unit Agreement Name
14	Location of Well UNIT LETTER <u>B</u> 660 FEET FROM THE <u>north</u> LINE AND 1980 FEET FROM THE <u>east</u> LINE SECTION <u>26</u> TOWNSHIP <u>17-S</u> RANGE <u>33-E</u> B.M.P.M.	8 Farm or Lease Name Maljamar SWD <u>Philmore</u>
		9 Well No <u>9</u>
		10. Field and Pool, or Wildcat Vacuum Gb/SA
	15 Elevation (Show whether DF, RT, GR, etc.) 4148' GR	12. County Lea

16 Check Appropriate Box To Indicate Nature of Notice, Report or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☒	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPS ☐	PLUG AND ABANDONMENT ☐
PAUSE OR ALTER CASING ☐	OTHER ☐	CASING TEST AND CEMENT JOB ☐	OTHER ☐

17 Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103

6-23 thru

6-26-88: RU WSU. Swbd perfs to clean up, treated perfs with 4000 gals 20% NEFE HCL w/110 gals Techni-wet 425. Pumped 28 bbls at 4BPM at 1810# - communicated. Reset packer pumped 4000 gals 20% NEFE HCL with 3% Techni-clean per NMOCD approval (Hobbs office). Pressure dropped from 2100#-1750#. WIH with 2-7/8" Salta lined tubing to 4450' and 5-1/2" AD-1 plastic-coated packer. Began injecting 6-26-88 at 1 BPM at 1300#. Job complete.

Proposal to convert well to water injection is being submitted.

18 I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED W. J. Mueller TITLE Engineering Supervisor, Reserv. DATE June 28, 1988

APPROVED BY _____ TITLE _____ DATE _____

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

January 24, 1969

Mr. Jason Kellahin
Kellahin & Fox
Attorneys at Law
Post Office Box 1769
Santa Fe, New Mexico

Dear Sir:

Enclosed herewith is Commission Order No. R-3668, entered in Case No. 4035, approving the Phillips Maljamar Philmex Waterflood Project.

Injection is to be through the one authorized water injection well, which shall be equipped with a string of 2 3/8-inch tubing set in a packer at 4225 feet.

As to allowable, our calculations indicate that when the authorized injection well has been placed on active injection, the maximum allowable which this project will be eligible to receive under the provisions of Rule 701-E-3 is 84 barrels per day when the Southeast New Mexico normal unit allowable is 42 barrels per day or less.

Please report any error in this calculated maximum allowable immediately, both to the Santa Fe office of the Commission and the appropriate district proration office.

In order that the allowable assigned to the project may be kept current, and in order that the operator may fully benefit from the allowable provisions of Rule 701, it behooves him to promptly notify both of the aforementioned Commission offices by letter of any change in the status of wells in the project area, i.e., when active injection commences, when additional injection or producing wells are drilled, when additional wells are acquired through purchase or unitization, when wells have received a response to water injection, etc.

OIL CONSERVATION COMMISSION

P. O. BOX 2088

-2-

SANTA FE, NEW MEXICO 87501

Mr. Jason Kellahin
Kellahin & Fox
Attorneys at Law
Santa Fe, New Mexico

January 24, 1969

Your cooperation in keeping the Commission so informed as to the status of the project and the wells therein will be appreciated.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

Enclosure
ALP/DSN/ir

cc: Oil Conservation Commission
Hobbs, New Mexico

State Engineer Office
Santa Fe, New Mexico

C
O
P
Y