Mobil Mobil Magnolia Petroleum Company Waiver A Sacony Mobil Company (Hacking)



P. C. Box 2406 Hobbs, New Mexico

February 27, 1959

Yew Mexico Oil Conservation Commission F. C. Box 671 Sarta Fo, New Newico

Conllower:

Submitted herewith is an application to dispose at projuced water by injection into the Bough "B" and Bough "D" zones, Permo Penn Porration, of Magnolia Tevroleur Jorgany's Santa Fe "B" No. 1, which is Accated 660' Hill and 1930' TSL, Section 20, Township 9-S, Range 35-E, Lea County, New Mexico. An electricallog of the subject well and waivers from surface owner and offset operators are atlached.

The proposed injection zones, Bough "B" and Bough "D", Permo Penn Cormation, are non-productive of cil ant/or gas within a radius of two miles from Santa Je "B" No. 1.

The produced water from the Pennsylvanian and Devonian reservoirs is considered onfit for domestic use. Analysis of these taters showed calorite concentraions of 74,000 pm. and 33,000 ppm, respectively.

The present disposal well, Magnolia's Santa Fe Pachfic "C" No. 2, is believed in critical condition because of the present high injection pressures, approaching 1900 . For this reason, use of the subject well for a disposal well is requested.

The subject well will be used for disposal of all produced water from the Crossroads Field.

A conv of this application has been sent by regis avail mail to the State Engineer's Office, Box 1079, Santa Fe, as well as to all offset operators and the surface owner, Ir. U. D. Saugers

The applicant alleges that the granting of this application will be in the interest of conservation and aid in the prevention of any pollution of the "resh waler strate.

Yours very indy,

MAGNELIA FINIULIUN CONPANY

C. 2. Evans

C. T. Evans District Permaleur Engineer

RLF:kb Attaciments

## STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

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APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION <u>NOT</u> PRODUCTIVE OF OIL OR GAS	
POOL Name Crossroads Penn County Lea County	
Operator <u>Nagnolia Petroleum Company</u>	
AddressP. 0. Box 2406, Nobbs, New Mexico	
Lease NameWell No	
Depth to top of injection zone <u>9696-9706 (Top interval "B" zone</u> )	
Depth to base of injection zone <u>9844-9864 (Bottom interval "D" zone</u> )	
Size of surface casing13 3/3"	
Length of surface casing357	
Number of sacks of cement used on surface casing <u>375 sx. circ.</u>	
Size of long string 7"	
Length of long string 9888 Cement Top 5060! Tested, no break.	
Number of sacks of cement used on long string 135 sx. bottom of collar @ 9567 350 th	
Size of tubing <u>3" plastic coated</u> Length of tubing <u>5500</u> !	collar.
Depth of tubing packer setting 55001	
Name and model of packer <u>Baker</u> model "D" Production Retainer Packer	
Is injection through tubing or long string or annulus? <u>Rubing</u>	<u></u>
Is injection through perforations or open hole? <u>Perforations</u>	
Was the well drilled for salt water disposal purposes? No. Presently T. A.	
List perforated intervals and number of sacks of cement used on any squeeze cementing operations <u>Will squeeze old prod. zone</u> , interval 9740-9745 "C" zone	
What is depth of the shallowest zone productive of oil or gas in this Pool4900' San Andres	<u></u>
What is depth of the deepest zone containing fresh water in this Pool? 22301 top of anhy	drite
Are there any other salt water disposal wells in this Poel using this same zone for injection purposes?IoIf so, list operator, lease and well number	
What is the approximate voluem of salt water to be injected daily? <u>3500-10,000 bbls</u> .	
Will system be open or closed type?Closed	
Will injection be by gravity or pump pressure? <u>Pump pressure</u>	
If by pump pressure, give approximate number of pounds per square inch $1200 \#$	
Will it be necessary for water to be filtered or chemically treated?Filtered	
Is this well so cased and completed that water can enter no other formation than the above setout injection zone? Yes	

- 1. Attach a complete full-scale electrical log of this well (one Copy to OCC only).
- 2. List names and addresses of all offset operators and surface owners.

Sunray Mid-Continent, 1101 Wilco Building, Midland, Texas Oil Development Company of Texas - Mr. John C. Major, 900 Polk Street, Amarillo, Texas Gulf Cil Corporation - Mr. C. M. Bumpass, Mobbs, New Mexico Surface Owner - Mr. U. D. Sawyer, Crossroads, New Mexico

- 3. Have notices of this application been sent by registered mail or given to all offset operators, surface owners and to the N. M. State Engineer? Yes
- 4. Attach waivers from all offset operators.
- 5. Attach waivers from <u>surface</u> owners of land on which well is located <u>or</u> a letter from company making application to the surface owner explaining said application and requesting waiver.
- 6. No application will be processed until Item 1 has been attached to the application. Should all necessary waivers not accompany application, the Commission shall hold such application for a period of fifteen (15) days from date of receipt in the Santa Fe Office. If, after said fifteen (15) day period, no protest or request for hearing is received in the Santa Fe Office, the application will then be processed.

MAGNOLIA PETROLEUM COMPANY Operator

CTE:kb

2. Evan

THE STATE OF New Mexico

COUNTY OF Lea

BEFORE ME, The undersigned authority, on this day personally appeared <u>C. 9</u> <u>known</u> known to me to be the person whose name is subscribed to the above insturment, who being by me duly sworn on oath states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein and that said report is true and correct.

SUBSCRIBED AND SWORN TO before me, this the \_\_\_\_\_

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27t.:			day	of February	

ALice Notary Public in and for County, Luce

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## STATE OF NEW MEXICO

## STATE ENGINEER OFFICE

SANTA FE

S.E. REYNOLDS

March 3, 1955

File SWD-19

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

Dear Mr. Porter:

Reference is made to Magnolia Petroleum Company application SWD-19 seeking permission to dispose of salt water by injection into two formations through the Santa Ferrer' No. 1 well which is located 660 feet FEL and 1980 feet FEL, Section 28, Township 9 South, Range 30 Elst.

The casing and cementing program set forth in the proposal appears to be adequate for the protection of the waters which we anticipate will be encountered. Therefore, this office offers no objection to the granting of this application.

Yours truly,

5. E. Reynolds State Engineer

 $\mathbf{B}_{\mathbf{V}}$ :

Frank E. Irby Chief Water Rights Division

ADDRESS CORRESPONDENCE TO:

P. O. BOX 1079 SANTA FE, N. M.

FEI/ma
cc-F. H. Hennighausen
C. T. Evans

February 27, 1959

Magnolia Petroleum Company P. O. Box 662 Roswell, New Mexico

Gentlemen:

You have advised me that you have filed for diministrative approval with the New Mexico Oil Conservation Commission, which is an application to use a well in the ME4SE4 Section 23, Twp. 9 S., Rge. 36 E., N.N.P.M., as a well into which salt water may be injected in the Pennsylvanian formation at about 9660' to 9380' from the surface, and said well is to be used as a salt water disposal well.

As surface owner of the land where the above described disposal well is located, I hereby consent to the foregoing use of said well. A copy of this letter may be delivered to said Oil Conservation Commission to reflect my consent.

Yours very truly,

Saurer

SUNRAY MUD-CONTINENT OIL COMPANY

P. C. Box 128 Hobbs, New Mexico

Magnolia Petroleum Company P. O. Box 2046 Hobbs, New Mexico

Attention: C. T. Evans

Gentlemen:

In reference to Magnolia's application to dispose of salt water in the Santa Fe "B" No. 1, Crossroads Pool, Lee County, New Mexico, please be advised that Sunray Mid-Continent Gil Company waives objection to disposing salt water in this well at depths between 9000 to 10,000', and hereby waives its rights of notice and appeal.

SUVRAY MID-CONTINENT CIL COMPANY

By:

lobert E. Statton

CC: SRMC, Tulsa SRMC, Midland File



# Santa Fe Pacific Railroad Company

900 Polk Street

AMARILLO, TEXAS

Office of Assistant Land Commissioner

February 16, 1959

AIRMAII

107-1-SW

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

Gentlemen:

We are advised that Magnolia Petroleum Corporation is planning to convert its abandoned Santa Fe "B" No. 1 Well in the NE/4 SE/4 of Section 28, T 9 S, R 36 E, Crossroads Field, Lea County, into a salt water disposal well by injecting salt water at an interval between 9833' and 9850'.

This is to advise that Santa Fe Pacific Railroad Company, as the mineral owner of offset acreage, hereby waives all objections to the granting of a permit to Magnolia for this purpose.

Yours very truly,

SANTA FE PACIFIC RAILROAD COMPANY By Commissioner Its Assistant Land

EAP MT

### **DIL DEVELOPMENT COMPANY OF TEXAS**

900 POLK STREET

OFFICE OF MANAGER OF PRODUCTION

February 16, 1959

107-1-SW

AIRMAIL

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

5 F 4

Gentlemen:

We are advised that Magnolia Petroleum Corporation is planning to convert its abandoned Santa Fe "B" No. 1 Well in the NE/4 SE/4 of Section 28, T 9 S, R 36 E, Crossroads Field, Lea County, into a salt water disposal well by injecting salt water at an interval between 9833' and 9850'.

This is to advise that Oil Development Company of Texas, as an Oil and Gas Lessee of offset acreage hereby waives all objections to the granting of a permit to Magnolia for this purpose.

Yours very truly,

OIL DEVELOPMENT COMPANY OF TEXAS By Its Manager of

EA P MT



PETROLEUM AND ITS PRODUCTS

GULF OIL CORPORATION

P. O. DRAWER 669 — ROSWELL, NEW MEXICO

### ROSWELL DISTRICT

- W. A. SHELLSHEAR District Manager
- E. S. GREAR District Exploration Manager

February 20, 1959

FORT WORTH PRODUCTION DIVISION

- M. I. TAYLOR District Production Manager
- G. A. PRICE District Services Manager

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

Gentlemen:

This is to advise that Gulf Oil Corporation has been given due notice that Magnolia Petroleum Company has made application for permission to dispose of salt water into the intervals of 9000 feet to 10,000 feet in their Santa Fe "B" Well No. 1 described below. We hereby waive any objection to the granting of their request to dispose of salt water into this well at the following location:

> Section 28, Township 9 South, Range 36 East, Lea County, New Mexico.

Executed this 20th day of February, 1959.

Very truly yours,

All Alleriate is

W. A. SHELLSHEAR

