

MAGNOLIA PETROLEUM COMPANY

A SOCONY MOBIL COMPANY

LEGAL DEPARTMENT

P. O. BOX 900

DALLAS 21, TEXAS

December 11, 1956

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ASSISTANTS

Re: In the Matter of the Application of
Magnolia Petroleum Co. to convert their
T. Betenbough #2 Well, SE/4 SW/4, Sec.
12, Twp 9-S, Rge 35-E, Lea County, New
Mexico, to a salt water disposal well.

Mr. A. L. Porter
Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

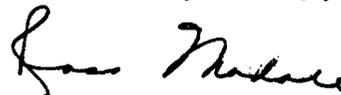
Dear Mr. Porter:

We enclose herewith an original and two copies of the application above described which is self-explanatory. It will be agreeable to Magnolia Petroleum Company to dispose of this application before a Hearing Examiner.

The conversion of this well to a salt water disposal well is part of the program to dispose of salt water produced in the Bough Field in line with the rules of the industry in Case No. 1053. We can think of no reason why the application should not be granted.

I only had one copy of the electrical log and I have attached it to the original application as Exhibit "B".

Yours very truly,



Ross Madole

Rm:u
encls.

cc: Mr. Ollie Ford

MAGNOLIA PETROLEUM COMPANY

A SOCONY MOBIL COMPANY

LEGAL DEPARTMENT

P. O. BOX 900
DALLAS 21, TEXAS

December 3, 1956

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Called Ross Madole on 12/1/56
RM

Examined 1/9/57
@ SF
on 1/9/57

More to follow 1/9/57

Mr. A. L. Porter
Oil Conservation Commission
Mabry Hall
Santa Fe, New Mexico

Dear Mr. Porter:

Please set down for hearing the application of Magnolia Petroleum Company to convert its T. Betenbough No. 2 Well in the Bough Field, Lea County, New Mexico for salt water disposal purposes.

The only other operator in the field is J. R. Sharp, Inc., Box 1271, Midland, Texas.

Our tests show that this well is capable of taking water at the rate of 3 bbls. per minute on a vacuum which is more than adequate to dispose of the produced salt water in this field.

Thanking you in advance for your courtesy, I am,

Yours very truly,

Ross Madole

Ross Madole

RMM:RM:u

cc: Mr. Ollie Ford

BEFORE THE OIL CONSERVATION COMMISSION OF
THE STATE OF NEW MEXICO

1196

In the Matter of the Application of Magnolia Petroleum Company to convert Magnolia Petroleum Company's T. Betenbough No. 2 Well in the Southeast Quarter of the Southwest Quarter, Section 12, Township 9 South, Range 35 East, Lea County, New Mexico, now abandoned, to a Salt Water Disposal Well.) Case No. _____

NOW COMES Magnolia Petroleum Company and respectfully petitions the Oil Conservation Commission of New Mexico for permission, pursuant to Rule 701, to convert Magnolia's T. Betenbough No. 2 Well located in the Southeast Quarter of the Southwest Quarter, Section 12, Township 9 South, Range 35 East, Lea County, New Mexico, to a salt water disposal well and in support thereof would show:

In an effort to dispose of the salt water now being produced in the Bough Field as part of the program for such disposal as outlined in Case No. 1053, Magnolia Petroleum Company proposes to convert this (plugged and abandoned) well to a salt water disposal well to take care of the salt water produced in the field.

In accordance with the provisions of Rule 701 there is attached hereto and marked Exhibit "A" a plat showing the location of the intake well and the location of all oil and gas wells, including drilling wells and dry holes and the names of leasees within one-half mile of the intake well and each offset operator.

All wells in the field are producing or have produced from the Bough Lime, which is an oolitic limestone of Pennsylvanian age. The original oil-water contact in the field was estimated to be at 5620' subsea, and the present oil-water contact appears to vary between 5500 and 5470' subsea.

It is proposed that the injection of the salt water will be through open hole from 9606 to 9639' into the Bough Lime. Total depth of this well is 9639'.

An electrical log of this input well is attached marked Exhibit "B". The zone for injection is indicated in red.

Casing program for this well is as follows: 13-3/8" at 353' with 350 sacks of cement; 12 sacks of cement were circulated out -- 9-5/8" at 4438' with 1400 sacks, 6% gel; 700 sacks of Wellite; 200 sacks of neat cement -- 7" at 9606' with 1126 sacks of 4% gel; 563 sacks of Wellite; 250 sacks of neat cement. Plug stopped at 8647' with 2500# pressure. 60' of scratchers were run on the casing at depths as follows: 9602', 9536', ^{9472'}9409', 4466', and 4401'. Injection will be made through the casing. It is anticipated that the formation will take all available water by gravity and no pressure will need be applied.

Approximately 1500 barrels of produced water from the other wells in the field will be injected into this well. It is estimated that ultimate injection might be as high as 3000 barrels per day.

The operator of this salt water injection well will be Magnolia Petroleum Company, Box 900, Dallas 21, Texas.

Although the plat attached as Exhibit "A" shows the Forest Oil Company as an operator in the field, it is the understanding of the applicant that the only operator in the field other than the applicant is J. R. Sharp, Inc., Box 1271, Midland, Texas, who is agreeable to this application and whose water likewise will be injected into this injection well.

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 fresh water stratas of New Mexico. The water found at or near the point of injection is salt brine in nowise useful for human consumption or domestic or livestock operations.

WHEREFORE, Magnolia Petroleum Company prays that this application for the conversion of the aforesaid well to a salt water disposal well be set for hearing, that due notice thereof be given

in the manner required by law and the Rules and Regulations of the Commission, and upon a hearing thereon Magnolia Petroleum Company be granted a permit to so convert said well and operate the same as a salt water disposal well to dispose of the salt water produced in the Bough Field, Lea County, New Mexico

Magnolia Petroleum Company further prays for such other and further relief to which it may be entitled.

Respectfully submitted,

MAGNOLIA PETROLEUM COMPANY

By Ross Madole

Ross Madole
2311 Magnolia Building
P. O. Box 900
Dallas 21, Texas

Attorney for Applicant