

PAN AMERICAN PETROLEUM CORPORATION

P. O. Box 268
Lubbock, Texas
May 22, 1961

File: CDF-5472-986.510

Subject: Application for Permission
To Dispose of Salt Water In
A Subsurface Formation
Gladiola Field, Lea County,
New Mexico

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

Dear Sir:

Pan American Petroleum Corporation respectfully requests that a hearing be set at the earliest date possible to consider its application for permission to dispose of salt water into the Wolfcamp formation in the Gladiola-Wolfcamp Field, Lea County, New Mexico, this formation being productive of oil in this field.

Pan American proposes to dispose of salt water produced from the Wolfcamp and Devonian horizons of the Gladiola Field into its Lois Wingerd Well No. 8 located 660 feet from south and east lines of Section 24, T-12-S, R-37-E, Lea County, New Mexico. This well was originally completed on September 20, 1953, in the Wolfcamp formation for an initial potential of 543 BOPD. Cumulative production to March 1, 1961, was 103,087 barrels of oil. The well is presently shut in due to uneconomical producing rates. Proposed injection interval is into the Wolfcamp through perforations at a depth of from 9610 feet to 9636 feet.

In compliance with Statewide Rule 701, the following attachments are presented in support of our request for hearing.

Attachment No. 1 - Attachment No. 1 is a plat showing the proposed disposal well together with all wells within a two mile radius. All wells completed in the Gladiola-Wolfcamp reservoir are indicated in red on this plat. The remainder of the producing wells within the two mile radius are completed in the Gladiola-Devonian reservoir. Current Wolfcamp completions which have previously been completed in other horizons are also noted on this plat. All lease lines within the two mile radius are indicated.

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Attachment No. 2 - Attachment No. 2 is a log of the Lois Wingerd No. 8, the proposed disposal well, showing the top of the Wolfcamp formation and also showing the proposed disposal interval.

Attachment No. 3 - Attachment No. 3 is a diagrammatic sketch of the casing program for the Lois Wingerd No. 8 showing the manner in which this well will be completed for disposal purposes.

Attachment No. 4 - Attachment No. 4 is a list of wells which will be connected to the salt water disposal system served by the Lois Wingerd No. 8 showing the barrels of water produced daily from each of these wells. The approximate salinity of the Wolfcamp water in this area is 28,000 ppm chlorides and the approximate salinity of the Devonian water is 31,000 ppm chlorides. Waters from both of these horizons are mineralized to such a degree to be unfit for domestic, stock, irrigation, and other general use.

Your favorable consideration of this request will be appreciated.

Yours very truly,


A. J. Inderrieden

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Attachment