

DC - 144
Amending

July 26, 1954

Oil Conservation Commission
State of New Mexico
Sante Fe, New Mexico

Re: Application to produce Amerada
T. Anderson No. 4 as a Braden-
head Gas Well in the Eumont Pool,
Lea County, New Mexico.

Gentlemen:

By this letter of application Amerada Petroleum Corporation wishes to state the following:

- (A) That Amerada T. Anderson Well No. 4, located 330 ft from the north line and 330 ft from the east line of the SW/4 of Sec. 8, T-20-S, R-37-E, Lea County, New Mexico, was completed July 15, 1954, at a drilled out depth of 5707 ft. The attached Exhibit A shows the location of this well on the Amerada Anderson lease together with the location of all offset wells.
- (B) That the subject well has 7" casing set at 3710 ft and cemented with 100 sacks cement. A 5" liner is set at 5710 ft and cemented with 175 sacks of cement. The top of the 5" liner is at 3643 ft. The attached Exhibit B is a schematic drawing of the casing program of the subject well and shows the depth and size of each casing string.
- (C) That the subject well is an oil well producing from the perforated interval of 5670 ft to 5700 ft in the Blinebry Zone, Monument Blinebry Pool.
- (D) That the applicant proposes to produce the gas from the Yates, Seven Rivers, and Queen Zones from 2530 ft to 3419 ft, Eumont Gas Pool, through the annulus of the 9 5/8" and 7" casing strings and oil from the Blinebry Zone through the tubing.
- (E) That the granting of this application for permission to produce gas from the Yates, Seven Rivers, and Queen Zones and oil from the Blinebry Zone is in the interest of conservation and the protection of correlative rights.
- (F) That the applicant will comply with all rules and regulations of the New Mexico Oil Conservation Commission to maintain separation of production from the two pay zones.

[illegible]

2. The second part of the paper is devoted to the study of the asymptotic behavior of the solutions of the problem (1.1) as $\epsilon \rightarrow 0$. It is shown that the solutions of the problem (1.1) converge to the solutions of the problem (1.2) in the sense of the weak convergence in the space $L^2(\Omega)$. The asymptotic behavior of the solutions of the problem (1.1) is also studied in the case of a nonuniformly elliptic operator.

1. *Introduction*

[illegible]

NO. 100-100000-100000

1. The first step in the process of the investigation is to identify the problem. This is done by the investigator who is assigned to the case. The investigator will then gather information about the problem and the people involved. This information will be used to determine the cause of the problem and to develop a plan to solve it.