

Case 517

Western Natural Gas Company

NATIONAL STANDARD BUILDING

Houston 2, Texas

February 6, 1953

ADDRESS CORRESPONDENCE TO
MIDLAND TOWER BUILDING
MIDLAND, TEXAS

RE: Application to Dually Complete
Western Natural Gas Company
Lankford #1, in Langlie Mattix
Field, Lea County, New Mexico

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

Gentlemen:

By means of this application, Western Natural Gas Company wishes to state the following:

- (a) Western Natural Gas Company Lankford #1, located in the NE/4 of NW/4 of Section 25, T-23S, R-36E, Lea County, was completed March 17, 1940, at a total depth of 3600 feet. The well had 5½" casing set at 3475 feet. Ground elevation was 3354 feet.
- (b) Appended Exhibit A shows the location of the subject well, other wells on the same lease and all offset wells to the Western Natural Gas Company Lankford #1.
- (c) The subject well was completed as an oil well producing in the open hole section from 3475' to 3600' from the 7 Rivers - Queens formation. A schematic diagram of the current well completion is shown in Exhibit B.

(d) The applicant proposes to dually complete the well to produce oil from the 7 Rivers - Queens formation through the tubing and gas from the Yates formation through the tubing - casing annulus in the following manner:

- (1) Perforate the $5\frac{1}{2}$ inch casing from approximately 2940 feet to 3150 feet opposite the Yates formation.
- (2) Set a production packer below the casing perforations at an approximate depth of 3460 feet to separate the two pay zones.

The manner and method of the dual completion is shown in the schematic diagram as Exhibit C.

- (e) Appended Exhibit D is a Lane Wells Gamma-Ray Neutron Log run on subject well November 16, 1950, during a workover.
- (f) Granting of this application for permission to produce the well as a dual completion with oil from the 7 Rivers - Queens formation and gas from the Yates formation is in the interest of conservation and protection correlative rights.
- (g) 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.
- (h) The manner and method of the proposed dual completion is mechanically feasible and practical.

Therefore, Western Natural Gas Company requests that the New Mexico Oil Conservation Commission set a certain day upon which this application may be heard and after said hearing to grant permission in order that the applicant may dually complete the subject well as proposed in this application.

Respectfull submitted,

WESTERN NATURAL GAS COMPANY

Earl R. Bruno

Earl R. Bruno
Division Engineer

Encl: Exhibit A: Plat showing location
of subject well, other
wells on same lease and
all offset wells.

Exhibit B: Schematic diagram of subject
well completion.

Exhibit C: Manner and method of dual
completion proposed in
subject well.

Exhibit D: Gamma Ray-Neutron Log of
subject well.