El Paso Natural Gas Company

El Paso, Texas
July 13, 1956

DIRECT REPLY TO:
P. O. BOX 997
FARMINGTON, NEW MEXICO

Mr. A. L. Porter, Secretary and Director
Oil Conservation Commission
Box 871
Santa Fe, New Mexico

Dear Sir:

This is to request administrative approval of a well dually completed in the Blanco Mesa Verde Pool and the Aztec Pictured Cliffs Pool. The El Paso Natural Gas Ludwick No. 7 is located 990' from the West Line and 1650' from the South Line of Section 31, Township 30 North, Range 10 West, N.M.P.M., San Juan County, New Mexico.

This well has been completed in the Point Lookout member of the Mesa Verde formation and the Pictured Cliffs sandstone. Completion has been accomplished in the following manner:

1. 10 3/4" casing set at 172' with 125 sacks cement.
2. 7 5/8" casing set at 4273' with 600 sacks cement.
3. 5 1/2" liner set at 4922' to 4195' with 125 sacks cement.
4. Complete protection of the Pictured Cliffs formation was accomplished by circulating the cement behind the 7 5/8" casing to a point 389' above the Pictured Cliffs. Before perforating the pay zone, both the casing and the liner were tested under pressure for leaks, none were found.
5. The Point Lookout was perforated and sand-water fraced thru the 5 1/2" liner at two intervals.
6. The Pictured Cliffs formation was perforated and sand-water fraced thru the 7 5/8" casing.
7. After cleaning out both formations, completion was accomplished by setting a Baker Model "D" production packer at 2493' in the 7 5/8" casing. 2" tubing was run thru this packer to a point opposite the Mesa Verde perforations, thus the Mesa Verde will be produced thru the 2" tubing and the Pictured Cliffs will be produced thru the 7 5/8" casing-tubing annulus.

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8. A Garrett Sidedoor Flow Nipple was installed on the 2" tubing and set at a depth of 2461'. This flow nipple will allow for Bottom Hole Pressure tests if they are required at a later date.
9. Initial Potential tests have been run and commercial production has been found in both zones. Also a packer leakage test has been run and witnessed by the Aztec Oil Conservation Commission office. This test shows no communication in the well bore between the two producing formations.

Administrative approval is asked for this dual completion to allow production from both known producing formations without the high initial cost of drilling two wells.

The offset operators of this dual completion have been notified and I am enclosing letters from them waiving any objections to it. Also enclosed are:

(a) Two copies of the Skematic Diagram of the mechanical installations.
(b) Two copies of the plats showing the location of the offset operators.
(c) Two copies of an affidavit from the packer setting company stating that the packer used was set at the depth shown.
(d) Two copies of the packer leakage tests as observed by a member of the Oil Conservation Commission Aztec office.
(e) Two copies of the Potential tests showing commercial production from these zones.

It is intended to dedicate the W/2 of Section 31 to the Mesa Verde production and the SW/4 of Section 31 to the Pictured Cliffs production.

Any further information required will be furnished upon your request. Thank you for your consideration of this matter.

Yours very truly,

ORIGINAL SIGNED E. J. COEL

E. J. Coel
Senior Petroleum Engineer

EJC:ajh
Enclosures
cc: R. L. Hamblin
Phil McGrath
Emery Arnold

ORIGINAL SIGNED E. J. COEL