

El Paso Natural Gas Company

El Paso, Texas
December 19, 1957

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

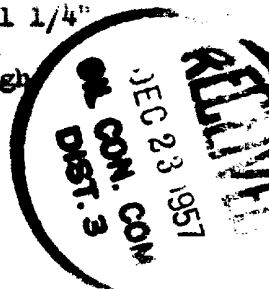
Dear Sir:

This is a request for administrative approval for a well dually completed in the Blanco Mesa Verde Pool and in the East Companero Dakota Pool Extension. The El Paso Natural Gas Company San Juan 27-4 Unit No. 14-X (MD) is located 1660 feet from the South line and 1190 feet from the West line of Section 18, Township 27 North, Range 4 West, N.M.P.M., Rio Arriba County, New Mexico.

This well has been completed in the Point Lookout and Cliff House sections of the Mesa Verde formation and in the Dakota formation. Completion has been accomplished in the following manner:

1. 13 3/8" surface casing set at 229 feet and cemented with 150 sacks of cement circulated to the surface.
2. 9 5/8" intermediate casing set at 3641 feet and cemented with a two stage cementing procedure; 700 sacks across the base of the casing and 650 sacks across the Pictured Cliffs formation.
3. 7 5/8" production casing set at 7574 feet with 300 sacks of cement. Spotted 550 sacks of cement across the Mesa Verde formation through perforations at 5850 feet.
4. 5 1/2" production liner set from 7504 feet to 7944 feet with 150 sacks of Pozmix "140" cement.
5. The casing and liner were tested for leaks before perforating.
6. The Dakota formation was perforated in five intervals and fractured with water and sand.
7. The Point Lookout section was perforated in four intervals and fractured with water and sand.
8. The Cliff House section was perforated in one interval and fractured with water and sand.
9. All perforations were cleaned after treatment and completion was accomplished by setting a Baker Model "D" production packer on the 2" tubing at 7485 feet with the tubing perforations set opposite the Dakota perforations. No 1 1/4" siphon string was run. The Dakota gas will be produced through the 2" tubing and the Pictured Cliffs gas through the casing.

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10. A Garrett circulating sleeve was installed in the 2" EUE tubing string just below the Point Lookout perforations. This will allow the bottom hole pressure tests to be taken at a future date if so required.
11. Initial potential tests have been run and commercial production has been found in both zones. A packer leakage test has been run and witnessed by a member of the Aztec office of the Oil Conservation Commission. This test shows no communication in the well bore between the two producing formations.

Administrative approval is requested for the dual completion to allow production from both known producing formations, thus eliminating the high initial cost of drilling two separate wells.

Since the acreage dedicated to this well is within the boundaries of the San Juan 27-4 Unit, which is operated by El Paso Natural Gas Company, approval has not been sought from any other operator to dually complete this well. Enclosed are:

- (a) Two copies of the schematic diagram of the mechanical installations.
- (b) Two copies of the affidavit from the packer setting company stating that the packer used was set at the depth shown.
- (c) Two copies of the packer leakage test as observed by a member of the Oil Conservation Commission.
- (d) Two copies of the initial potential test showing commercial production from the two formations.

It is intended to dedicate the SW/4 of Section 18, Township 27 North, Range 4 West to the Dakota formation and the W/2 of Section 18, Township 27 North, Range 4 West to the Mesa Verde formation.

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

Yours very truly,

OR'G'NAL SIGNED E. S. OBERLY

E. S. Oberly
Division Petroleum Engineer

ESO:dgb

Encl.

cc: Emery Arnold
Sam Smith
Phil McGrath



SCHEMATIC DIAGRAM OF DUAL COMPLETION
EL PASO NATURAL GAS SAN JUAN 27-4 UNIT NO. 14-X (MD)
SW/4 Section 18, T-27-N, R-4-W

Dual String
Xmas Tree

Zero reference point 10.0' above top
flange of tubing hanger.

