El Paso Natural Gas Company

El Paso, Texas

July 30, 1958

ADDRESS REPLY TO POST OFFICE 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 Hlanco Mesa Verde Pool and South Blanco Pictured Cliffs Pool. The El Paso Natural Gas Company Bolack No. 13-C (FM) is located 960 feet from the South line and 800 feet from the West line of Section 29, Township 27 North, Range 8 West, N.M.P.M., San Juan County, New Mexico.

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

- 1. 10 3/4" surface casing set at 175 feet with 150 sacks of cement circulated to the surface.
- 2. 7 5/8" intermediate casing set at 4428 feet with 470 sacks of cement. Top of the cement is at 1950 feet, which is above the top of the Pictured Cliffs at 2364 feet.
- 3. 5 1/2" liner set from 4374 feet to 4825 feet with 200 sacks of cement.
- 4. The casing and liner were tested for leaks before perforating.
- 5. The Point Lookout section was perforated in six intervals and fractured with water and sand.
- 6. The Pictured Cliffs formation was perforated in two intervals and fractured with water and sand.
- 7. All perforations were cleaned out after treatment and completion was accomplished by setting a Baker Model "EGJ" production packer on 2" EUE tubing at 4441 feet with tubing perforations set opposite the Point Lookout perforations. 1 1/4" EUE tubing siphon string was run with tubing perforations set opposite the Pictured Cliffs perforations. The Point Lookout gas will be produced through the 2" tubing and the Pictured Cliffs gas through the casing.
- 8. 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 Gil 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, eliminating the high initial cost of drilling two separate wells.

The offset operators to the acreage dedicated to the well have been notified of El Faso Natural Gas Company's dual completion plans, and in turn have vaived objections to said plans. Enclosed are copies of these waivers. Also enclosed are:

- (a) Two copies of the schematic diagram of the mechanical installations.
- (t) 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.
- (e) Two plats showing the location of the well and offset operators.

It is intended to dedicate the W/2 of S ction 29, Township 27 North, Range 8 West to the Mesa Verde formation and the SW/4 of Section 29, Township 27 North, Range 8 West to the Pictured Cliffs formation.

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

Yours very truly,

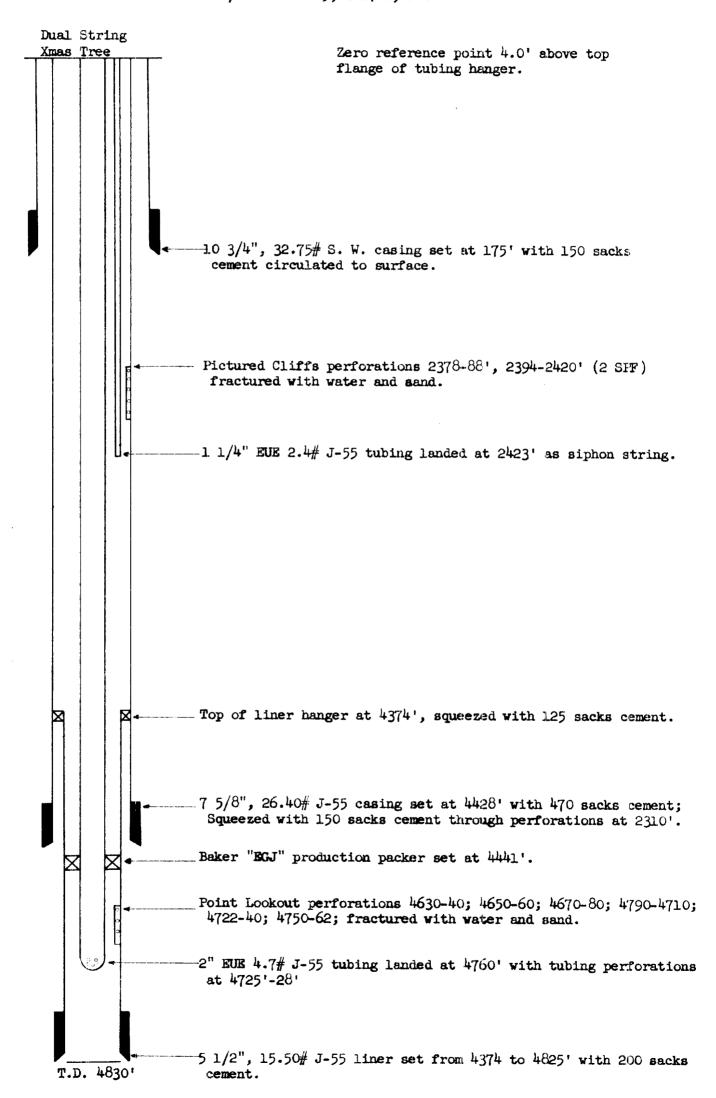
OR G NAL SIGNED E.S. OBERLY

E. S. Oberly, Division Petroleum Engineer

ESC:dgb

cc: MMOCC (2) (Emery arnold)
Sam Smith
USGS (Phil McGrath)

SCHEMATIC DIAGRAM OF DUAL COMPLETION El Paso Natural Gas Co. Bolack No. 13-C (PM) SW/4 Section 29, T-27-N, R-8-W



STATE OF NEW MEXICO)
COUNTY OF SAN JUAN)

I, Mack M. Mahaffey, being first duly sworn upon my oath depose and say as follows:

I am an employee of Baker Oil Tools, Inc., and that on April 30, 1953, I was called to the location of the El Paso Natural Gas Company Bolack No. 13-C (PM) Well located in the SWSW/4 of Section 29, Township 27 Worth, Range 8 West, N.M.P.M., for advisory service in connection with installation of a production packer. In my presence, a Baker Model "EGJ" Production Packer was set in this well at 4441 feet in accordance with the usual practices and customs of the industry.

Mack Mi Makaffry

Subscribed and sworn to before me, a Notary Public in and for San Juan County, New Mexico, the 31st day of July, 1958.

Notary Public in and for San Juan County,

My commission expires February 24, 1960.

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July 17, 1958

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Company San Juan County, New Mexico

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Amily Carally Borton

Frank Clark Cas Technician

FC/nb

DUAL COMPLETION			hale Jul	Ly 8, 1958
El Paso Natural	Gas Company		Bolack No. 13-0	C (M)
960s, 800W; 29-27-8			San Juan	New Mexico
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R. R. Devis

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Lewis D. Galloway.

Dual Completion DATE July 17, 1958 El Paso Natural Gas Bolack 13-C (P) 960s, 800w; 29-27-8 San Juan New Mexico Pictured Cliffs South Blanco 7-5/8 4417 1-1/4 2413 2378 2420 4830 x/o 4780 Shut-in 6/28/58 Sand Water Frac. X 12.365 1 12 8215 " Pinss in Tilling PGG 12 PSA (PC) 677 19 (PC) 677 639 PSIG 80 92 82 94 66 .85 1.007 .646 Initial (MV) SIPT = 1105 psig Packer at 4441 Final (MV) SIPT = 1105 psig CHONE WILLIAMS IN IN CONTRACT A FEW FACTORS FOR 12.365 x 92 x .9943 x .9645 x 1.007 1100 _____ 14CF 1D 474721 1.0189^{.85} x 1100 = 1.0160 x 1100 465885 1118 1121 3 Frank Clark Checked By Tom Grant

SCALE DATE No.
DRAWN BY CHECKED BY

L. D. Galloway