

PROVIDED FURTHER, That upon the actual dual completion of such subject well applicant shall submit to the appropriate District Office of the Commission, copies of Oil Conservation Commission Form C-103, Form C-104, Form C-110 and Form C-122 outlining the information required on those forms by existing Rules and Regulations and two copies of the electric log of the well.

PROVIDED FURTHER, That said subject well for dual completion and production shall be equipped in such a way that reservoir pressures may be determined separately for each of the two specified strata, and further, be equipped with all necessary connections required to permit recording meters to be installed and used, at any time, as may be required by the Commission or its representatives, in order that natural gas, oil, or oil and gas from each separate stratum may be accurately measured and the gas-liquid ratios thereof determined, and

PROVIDED FURTHER, That the operator-Applicant shall make any and all tests, including segregation tests, packer leakage tests, on completion and during the annual deliverability test of the Blanco Mesaverde Gas Pool but not excluding other tests and/or determinations at any convenient time and in such manner as deemed necessary by the Commission; the original and all subsequent tests shall be witnessed by representatives of the Commission and by representatives of offset operators, if any there be, at their election, and the results of each test properly attested to by the applicant herein and all witnesses, and shall be filed with the Commission within 15 days after completion of such test, and submit a packer setting affidavit within 15 days after completion or whenever the packer is disturbed and,

PROVIDED FURTHER, That upon the actual dual completion of such subject well, applicant shall submit to the Commission a diagrammatic sketch of the mechanical installation which was actually used to complete and produce the seal between the strata, and a special report of production, gas liquid ratios and reservoir pressure determination of each producing zone or stratum immediately following completion.

IT IS FURTHER ORDERED, That jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of applicant to comply with any requirement of this order after proper notice and hearing the Commission may terminate the authority hereby granted and require applicant or its successors and assigns to limit its activities to regular single-zone production in the interests of conservation.

APPROVED at Santa Fe, New Mexico, on this 5th day of July, 1957.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

A. L. PORTER, Jr.,
Secretary-Director

S E A L

PROVIDED FURTHER, That upon the actual dual completion of each subject well applicant shall submit to the appropriate District Office of the Commission, copies of Oil Conservation Commission Form C-103, Form C-104, Form C-105 and Form C-106 containing the information required on those forms by existing Rules and Regulations and two copies of the electric log of the well.

PROVIDED FURTHER, That each subject well for dual completion and production shall be equipped in such a way that reservoir pressures may be determined separately for each of the two specified strata, and further, be equipped with all necessary connections required to permit recording meters to be installed and used, at any time, so may be required by the Commission or its representatives, in order that natural gas, oil, or oil and gas from each separate stratum may be accurately measured and the gas-liquid ratios thereof determined, and

PROVIDED FURTHER, That the operator-applicant shall make any and all tests, including segregation tests, packer leakage tests, on completion and during the annual deliverability test of the Blanco Mesaverte Gas Pool but not including other tests and/or determinations at any convenient time and in such manner as deemed necessary by the Commission; the original and all subsequent tests shall be witnessed by representatives of the Commission and by representatives of offset operators, if any there be as their election, and the results of each test properly attested to by the applicant before and all witnesses, and shall be filed with the Commission within 15 days after completion of such test, and submit a packer setting within 15 days after completion or whenever the packer is disturbed and

PROVIDED FURTHER, That upon the actual dual completion of each subject well, applicant shall submit to the Commission a diagrammatic sketch of the mechanical installation which was actually used to complete and produce the well between the strata, and a special report of production, gas liquid ratios and reservoir pressure determination of each producing zone on or before immediately following completion.

IT IS FURTHER ORDERED, That jurisdiction of this case is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or protection of operative rights upon failure of applicant to comply with any requirement of this order after proper notice and hearing the Commission may terminate the authority hereby granted and require applicant or his successors and assigns to shut in wellbore to regular and/or production in the interests of conservation.

APPROVED at Santa Fe, New Mexico, on this 5th day of July, 1957.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

A. J. WORTER, Jr.,
Secretary-Director

EL PASO NATURAL GAS COMPANY

Box 997
Farmington, N.M.

April 18, 1957

Mr. E. C. Arnold
Oil Conservation Commission
120 East Chaco
Aztec, New Mexico

Re: Packer Leakage Test on The El Paso Natural
Gas Company Well, Warren # 5, NE 24-28-9,
San Juan County, New Mexico.

Dear Mr. Arnold:

This well was dually completed in the Pictured Cliffs and Mesa Verde formations. A production packer was set at 2437 feet. The Pictured Cliffs zone was tested April 8, 1957 with the following results:

Pictured Cliffs - SIPC - 780 psig; shut-in 7 days.
Pictured Cliffs - SIPT - 781 psig
Mesa Verde - SIPT - 991 psig.

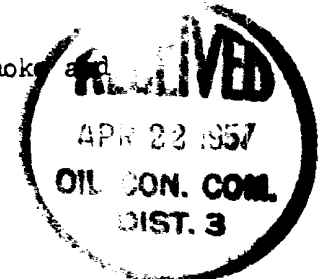
The casing was opened at 11:25 A.M. and flowed three hours through a 3/4" choke.

<u>Time</u>	<u>Casing Choke Pressure, Psig</u>	<u>Temp. OF</u>	<u>Tubing Pressure, Psig</u>
11:25	Opened casing		991
11:40	433		992
11:55	341		993
12:10	297		993
12:25	271		993
1:50	204		994
2:25	189	62	994

The calculated choke volume was 2809 MCF/Day. After the well was shut-in for 9 days, the Mesa Verde zone was tested with the following results:

Pictured Cliffs - SIPC - 834 psig
Mesa Verde - SIPT - 1033 psig; shut-in 9 days.

The tubing was opened at 11:00 A.M. through a 3/4" positive choke and flowed for three hours.



<u>Time</u>	<u>Tubing Choke Pressure, Psig</u>	<u>Temp. of</u>	<u>Casing Pressure, Psig</u>
11:00	Tubing opened		834
11:15	450		835
11:30	390		835
11:45	361		834
12:00	347		834
2:00	283	66	832

The calculated choke volume was 3952 MCF/D. These tests were witnessed by Mr. E. C. Arnold of the New Mexico Oil Conservation Commission.

Very truly yours,

K. C. McBride
K. C. McBride
Gas Engineer

KCMCB/jla

cc: W. T. Hollis
W. A. Rodgers
E. J. Coel, Jr.
File

