

SUBJECT: DUAL COMPLETION (GAS-GAS)

May 16, 1957

THE APPLICATION OF PACIFIC NORTHWEST PIPELINE CORPORATION FOR PERMISSION TO EFFECT DUAL COMPLETION OF ITS S.J.U. "27-5" WELL NO. 24-32, LOCATED IN THE NW/4 NE/4 OF SECTION 32, TOWNSHIP 27 NORTH, RANGE 5 WEST, NMPM, RIO ARRIBA COUNTY NEW MEXICO, IN AN UNDESIGNATED PICTURED CLIFFS GAS POOL AND THE BLANCO MESAVERDE GAS POOL.

Order No. DC-432

**ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION COMMISSION**

Under the provisions of Rule 112-A (c), Pacific Northwest Pipeline Corporation made application to the New Mexico Oil Conservation Commission on April 10, 1957, for permission to dually complete its SJU "27-5" Well No. 24-32, located 1140 feet from the North line and 1840 feet from the East line and in the NW/4 NE/4 of Section 32, Township 27 North, Range 5 West, NMPM, Rio Arriba County, New Mexico in an undesignated Pictured Cliffs Gas Pool and the Blanco Mesaverde Gas Pool.

The Secretary-Director Finds:

- (1) That application has been duly filed under the provisions of Sub-section 'c' of Rule 112-A of the Commission's Rules and Regulations;
- (2) That satisfactory information has been provided that all operators of offset acreage have been duly notified; and
- (3) That no objections have been received within the waiting period as prescribed by said rule.

IT IS THEREFORE ORDERED:

That the applicant, herein, Pacific Northwest Pipeline Corporation be and it hereby is authorized to dually complete its SJU "27-5" Well No. 24-32, located in the NW/4 NE/4 of Section 32, Township 27 North, Range 5 West NMPM, Rio Arriba County, New Mexico, in such manner as to permit production of gas from the Pictured Cliffs formation by proper perforation of the casing with gas production through the casing-tubing annulus from an undesignated Pictured Cliffs Gas Pool and the production of gas from the Mesaverde formation by proper perforation of a liner with gas production through the tubing from the Blanco Mesaverde Gas Pool and with the installation of a suitable packer and with the installation of adequate surface equipment to maintain complete separation of the two zones of production.

PROVIDED HOWEVER, That subject well shall be completed and thereafter produced in such a manner that there will be no commingling within the well-bore, either within or outside the casing of gas, oil and gas, or oil produced from either or both of the separate strata,

PROVIDED HOWEVER, That prior to the actual dual completion the operator shall make pressure tests of the casing to prove that no casing leaks have developed since the well was originally completed. In the event a casing leak is apparent the operator shall take appropriate steps to adequately repair the leak. The results of these tests shall be reported to the Commission on Form C-103.

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 Mesaverte 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 after remedial work, 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 16th day of May, 1957.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

A. L. PORTER, Jr.
Secretary-Director

S E A L

DC-432

mem 5/16/57

OCC
FV

May 14, 1957

Mr. A. L. Porter, Jr.
New Mexico Oil Conservation Commission
Nobry Hall, Capitol Building
Santa Fe, New Mexico

Dear Mr. Porter:

Pacific Northwest Pipeline Corporation requests that the New Mexico Oil Conservation Commission grant them permission to dually complete Unit 27-5, Well No. 24-32, under the provisions of Order No. R-316, Rule No. 112-A.

Unit 27-5, Well No. 24-32 is located 1140' from the north line and 1840' from the east line Section 32, Township 27 North, Range 5 West, Rio Arriba County, New Mexico. The attached plat shows the ownership in the area and the location of the well. The E/2 of Section 32, containing 380 acres, is dedicated to the drilling block in accordance with the Blanco Mesa Verde rules; and the NE/4, Section 16, containing 160 acres, is dedicated to the Pictured Cliffs drilling block, which is classified as a wildcat.

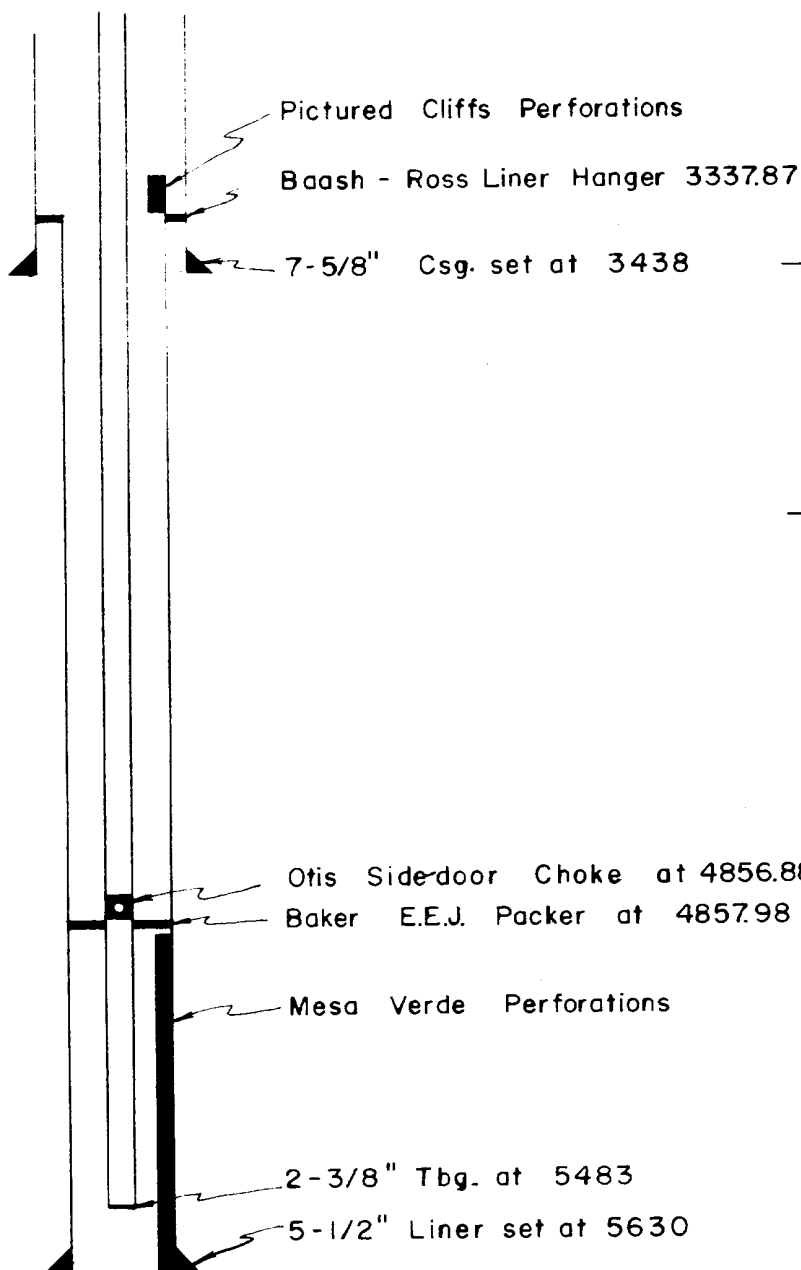
Attached for your information is a diagrammatic sketch of the proposed dual completion, with information concerning formations involved, perforations and location of packer and tubing equipment. We have also attached three Return Receipts of Registered Mail, notifying Northwest Production Corporation, El Paso Natural Gas Company and Southern Petroleum Exploration, Inc., that the well has been dually completed.

The three hour Calculated Absolute Open Flow on the Mesa Verde formation was 1946 MCF, and on the Pictured Cliffs formation 1420 MCF. The necessary data concerning the packer leakage test has been filed with the Commission.

If additional information is needed on this well before a final order approving the dual completion can be issued, please notify us.

Very truly yours,
Original signed by T. A. Dugan
T. A. Dugan
Assistant Division Manager

TAD:jf
Enclosures
cc: Mr. F. T. McGrath
Mr. Henry Arnold
Mr. L. G. Truby



PICTURED CLIFFS DATA

Top of Pictured Cliffs ----- 3226
 Bottom of Pictured Cliffs --- 3306
 Perforations ----- 3244 - 3286
 3 shots per foot

MESA VERDE DATA

Top of Cliffhouse ----- 4880
 Top of Menefee ----- 4982
 Top of Pointlookout ----- 5389
 Total Depth ----- 5630

Perforation Intervals

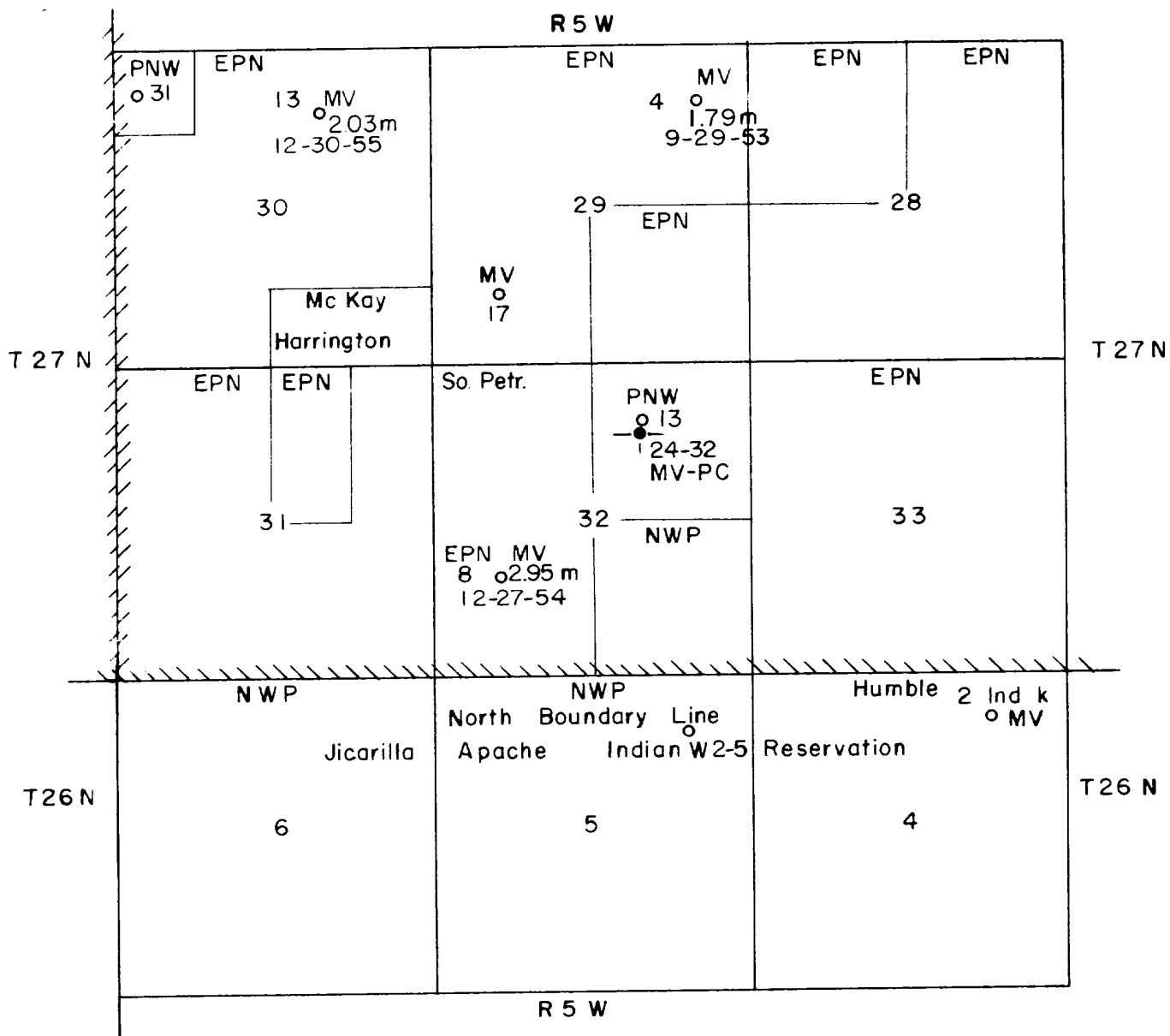
4898 - 4916	4934-56
4968 - 78	5224-62
5314 - 42	5404-20
5430 - 48	5466-86
5496 - 5502	

2 shots per foot

Vertical scale - 1" = 400'

PACIFIC NORTHWEST PIPELINE CORP.
 FARMINGTON, NEW MEX.

Diagrammatic Sketch of Dual Gas
 Completion for Unit 27-5, Well 24-32
 in Pictured Cliffs and Mesa Verde
 Formations 1140 FNL & 1840 FEL
 Sec. 32, T27N, R5W N.M.P.M.
 Rio Arriba County, New Mex.



Scale : 1" = 1/2 mi.

PACIFIC NORTHWEST PIPELINE CORP.
FARMINGTON, NEW MEX.

Location and Ownership plat
For Unit 27-5 Well No. 24-32
1140 FNL & 1840 FEL
Sec. 32 T 27 N R 5 W N.M.P.M.
Rio Arriba County, New Mexico