NORTHWEST PRODUCTION CORPORATION

ALBUQUERQUE, NEW MEXICO

May 22, 1957

REPLY TO:
520 SIMMS BUILDING
ALBUQUERQUE, NEW MEXICO

Oil Conservation Commission State of New Mexico 120 East Chaco Aztec, New Mexico

> Re: Application for Dual Completion of Northwest Production Corporation Well "E" 5-28, Section 28, T26N, R3W, Rio Arriba County, New Mexico.

Attention: Mr. Emery C. Arnold

Gentlemen:

Northwest Production Corporation requests tentative approval for dually completing Well "E" 5-28 in the Pictured Cliffs and Mesaverde formations. The well is located 1090 feet from the South line and 990 feet from the West line in the SW/4 of the SW/4 of Section 28, Township 26 North, Range 3 West, Rio Arriba County, New Mexico. The well will be an extension to the Tapacito Pictured Cliffs Pool and is located within the boundaries of the Blanco Mesaverde Pool.

Copy of this application is being furnished by registered mail to Southern Union Gas Company, 1001 Burt Building, Dallas, Texas, owner of mineral rights on acreage offsetting Well "E" 5-28, as indicated on the attached plat.

The procedure for dually completing Well "E" 5-28 will be as follows:

- Set 7-5/8 inch OD casing into the Lewis shale at a depth of 4100 feet.
- 2. Drill 6-3/4 inch hole to total depth of 6220 feet and set $5\frac{1}{2}$ inch OD liner from approximately 4000 to 6220 feet.
- 3. Perforate the $5\frac{1}{2}$ inch liner opposite the Mesaverde formation from 5505 to 6170 feet and fracture using approximately 150,000 gallons of water.
- 4. Isolate the Mesaverde formation using a temporary bridge plug, perforate the 7-5/8 inch casing opposite the Pictured Cliffs formation from 3865 to 3900 feet and fracture using approximately 40,000 gallons of water with one pound sand per gallon.
- 5. Hang 2-3/8 inch OD tubing at approximately 6125 feet, with a production packer set at 5475 feet and a side-door choke set at 5445 feet.

Oil Conservation Commission Attention: Mr. Emery C. Arnold May 22, 1957 Page 2

6. Install straight thru mandril in side-door choke and complete well to produce the Mesaverde through the tubing and the Pictured Cliffs through the tubing-casing annulus.

Please advise if you desire additional information before approving the proposed work.

Very truly yours,

NORTHWEST PRODUCTION CORPORATION

W. R. Johnston, Manager Production Operations

RP/nw

In triplicate

cc: U. S. G. S., Farmington, New Mexico Southern Union Gas Company, Dallas, Texas



R 3 W

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LOCATION AND OWNERSHIP PLAT FOR "E" WELL 5-28 IN SECTION 28 OF T 26 N AND R 3 W WITH WORKING INTEREST RIGHTS TO BASE OF MESAVERDE FORMATION

NORTHWEST PRODUCTION CORPORATION ALBUQUERQUE, NEW MEXICO

APPLICATION FOR DUAL GAS COMPLETION OF "E" WELL 5-28 IN PICTURED CLIFFS AND MESAVERDE FORMATIONS

RIO ARRIBA COUNTY NEW MEXICO

CONTRACT # H7

Drawn: W.H. McGahey

Scale 1"= 3000"

Approved Ray Phillips

Dote 5-22-57

May 22, 1957



Oil Genservation Commission State of New Mexico 120 East Chaco Astac, New Mexico

> Re: Application for Bual Completion of Morthwest Production Corporation Well "E" 5-28, Section 28, T26M, R3W, Rio Arribe County, New Mexico.

Attention: Mr. Mnery C. Arnold

Contlemen:

Northwest Production Corporation requests tentative approval for dually completing Well "R" 5-28 in the Pictured Cliffs and Messverde formations. The well is located 1990 feet from the South line and 990 feet from the West line in the SW/4 of the SW/4 of Section 28, Township 26 North, Range 3 West, Rio Arriba County, New Mexico. The well will be an extension to the Tapacito Pictured Cliffs Pool and is located within the boundaries of the Blanco Messwerde Pool.

Copy of this application is being furnished by registered mail to Southern Union Gas Company, 1001 Burt Building, Dallas, Texas, owner of mineral rights on acreage offsetting Well "E" 5-28, as indicated on the attached plat.

The procedure for dually completing Wall "E" 5-28 will be as follows:

- Set 7-5/8 inch OD casing into the Lewis shale at a depth of 4100 feet.
- 2. Drill 6-3/4 inch hole to total depth of 6220 feet and set % inch OD liner from approximately 4000 to 6220 feet.
- Perforate the 5½ inch liner opposite the Mesaverde formation from 5505 to 6170 feet and fracture using approximately 150,000 gallons of water.
- 4. Isolate the Mesaverde formation using a temporary bridge plug, perforate the 7-5/8 inch casing opposite the Pictured Cliffs formation from 3865 to 3900 feet and fracture using approximately 40,000 gallons of water with one pound sand per gallon.
- Hang 2-3/8 inch OB tubing at approximately 6125 feet, with a production packer set at 5475 feet and a side-door choke set at 5445 feet.



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011 Conservation Commission Attention: Mr. Emery C. Arnold May 22, 1957 Page 2

> Install straight thru mandril in side-door choke and complete well to produce the Messverde through the tubing and the Pictured Cliffs through the tubing-casing annulus.

Please advise if you desire additional information before approving the proposed work.

Very truly yours,

MORTHWEST PRODUCTION CORPORATION

ORIGINAL SIGNED BY W. R. JOHNSTON

W. R. Johnston, Manager Production Operations

RP/mw

In triplicate

ce: U. S. G. S., Farmington, New Mexico Southern Union Gas Company, Ballas, Texas

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AND MESAVERDE FORMATIONS

RIO ARRIBA COUNTY NEW MEXICO

CONTRACT # H7

Drawn: W.H. McGahey

Scale !"= 3000'
Date 5-22-57

Approved: Ray Phillips

NEW MEXICO

OIL CONSERVATION COMMISSION

AZTEC, NEW MEXICO

120 East Chaco May 24, 1957

Mr. W. R. Johnston Northwest Production Corporation 520 Simms Building Albuquerque, New Mexico

Re: Application for Tentative Approval to dually complete the #5-28 "E" well located in Section 28-26N-3W

Dear Mr. Johnston:

You are hereby granted tentative approval for the dual completion of the subject well as a gas-gas dual in the Pictured Cliffs and Mesaverde Formations.

It is understood that the well will be equipped as set out in your application. Upon completion, application for final approval should be made to Mr. A. L. Porter in Santa Fe.

Yours very truly

A. R. Kendrick Engineer, District #3

ARK:ks

cc: Mr. A. L. Porter OCC, Santa Fe, N.M.

NEW MEXICO ONSERVATION COMMISSION

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