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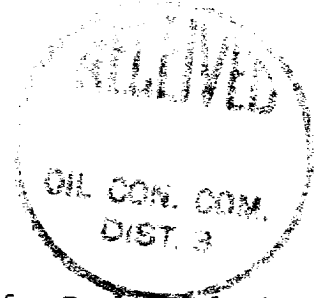
NORTHWEST PRODUCTION CORPORATION

ALBUQUERQUE, NEW MEXICO

May 23, 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" 14-10, Located in Section
10, T26N, R3W, Rio Arriba County,
New Mexico

Attention: Mr. Emery C. Arnold

Gentlemen:

Northwest Production Corporation requests tentative approval to dually complete Well "E" 14-10 in the Pictured Cliffs and Mesaverde formations. The well is located 1150 feet from the North line and 1190 feet from the East line in the NE/4 of the NE/4 of Section 10, Township 26 North, Range 3 West, Rio Arriba County, New Mexico. The well will be a wildcat in the Pictured Cliffs and is located within the boundaries of the Blanco Mesaverde Pool.

Copy of this application is being furnished by registered mail to Magnolia Petroleum Company, Box 900, Dallas, Texas, owner of mineral rights on acreage offsetting Well "E" 14-10, as indicated on the attached plat.

The procedure for dually completing Well "E" 14-10 will be as follows:

1. Set 7-5/8 inch OD casing into the Lewis shale at a depth of 3942 feet.
2. Drill 6-3/4 inch hole to a total depth of 6040 feet and set 5½ inch OD liner from approximately 3842 to 6040 feet.
3. Perforate the 5½ inch liner opposite the Mesaverde formation from 5445 to 5985 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 3700 to 3810 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 5945 feet, with a production packer set at 5415 feet and a side-door choke set at 5385 feet.

Oil Conservation Commission
Attention: Mr. Emery C. Arnold
May 23, 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
W. R. Johnston, Manager
Production Operations

RP/nw

In triplicate

cc: U. S. G. S., Farmington, New Mexico
Magnolia Petroleum Company, Dallas, Texas



R 3 W

NWP 4	NWP 3	Magnolia 2-H ☀ 2
NWP 9	NWP 14-10 ○ 10	Magnolia 1-H ☀ 11
NWP 16	NWP 11-15 ○ 15 15-15 ○	Magnolia 2-D ☀ 14

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26
N

LOCATION AND OWNERSHIP PLAT FOR
"E" WELL 14-10 IN SECTION 10 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 14-10 IN PICTURED CLIFFS
AND MESAVERDE FORMATIONS

RIO ARriba COUNTY
NEW MEXICO

CONTRACT # 115

Drawn: W. H. McGahey

Scale 1" = 3000'

Approved: Ray Phillips

Date 5-14-57

May 23, 1957



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

Re: Application for Dual Completion of
Northwest Production Corporation
Well "E" 14-10, Located in Section
10, T26N, R3W, Rio Arriba County,
New Mexico

Attention: Mr. Emory C. Arnold

Gentlemen:

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The procedure for dually completing Well "E" 14-10 will be as follows:

1. Set 7-5/8 inch OD casing into the Lewis shale at a depth of 3942 feet.
2. Drill 6-3/4 inch hole to a total depth of 6040 feet and set 5 1/2 inch OD liner from approximately 3842 to 6040 feet.
3. Perforate the 5 1/2 inch liner opposite the Mesaverde formation from 5445 to 5985 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 3700 to 3810 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 5945 feet, with a production packer set at 5415 feet and a side-door choke set at 5385 feet.

Oil Conservation Commission
Attention: Mr. Emery C. Arnold
May 23, 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. E. Johnston, Manager
Production Operations

RP/nw

In triplicate

cc: U. S. G. S., Farmington, New Mexico
Magnolia Petroleum Company, Dallas, Texas

R 3 W

NWP 4	NWP 3	Magnolia 2-H 2
NWP 9	NWP 14-10 10	Magnolia 1-H 11
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26
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LOCATION AND OWNERSHIP PLAT FOR
"E" WELL 14-10 IN SECTION 10 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 14-10 IN PICTURED CLIFFS
AND MESAVERDE FORMATIONS

RIO ARriba COUNTY
NEW MEXICO

CONTRACT # 115

Drawn: W. H. McGahey

Scale 1" = 3000'

Approved: Ray Phillips

Date 5-14-57

NEW MEXICO
OIL CONSERVATION COMMISSION
AZTEC, NEW MEXICO

XXXXXXXXXX

120 East Chaco
May 24, 1957

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

Re: Application for Tentative Approval
to dually complete #14-10 "E" Well
Section 10-26N-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.