

May 10, 1967

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

Re: Application for Dual Gas Completion  
of Northwest Production Corporation's  
Well "E" 11-15 Located in Section 15,  
T20N, R3W, Rio Arriba County, New Mexico

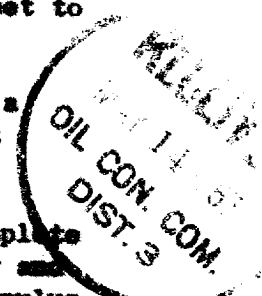
Attention: Mr. E. C. Arnold

Gentlemen:

Northwest Production Corporation requests tentative approval to dually complete Well "E" 11-15 in the Pictured Cliffs and Mesaverde formations. The well is located 1690 feet from the North line and 1730 feet from the East line in the SW/4 of the NE/4 of Section 15, T20N, R3W, Rio Arriba County, New Mexico. The well will be a wildcat in both the Pictured Cliffs and Mesaverde formations.

Intermediate casing was set at 3892 feet and Well "E" 11-15 was drilled to a total depth of 8155 feet in the Dakota formation where salt water was encountered. The hole has been plugged back to 7712 feet and it is planned to set an open hole retainer at approximately 6910 feet with 10 feet of cement on top of the retainer. The procedure for dually completing the well will be as follows:

1. Set a 5-1/2 inch OD liner from 6000 feet to 3892 feet.
2. Perforate the 5-1/2 inch liner from 5492 feet to 5900 feet and fracture the Mesaverde formation using oil and sand.
3. Isolate the Mesaverde formation and perforate the 7-5/8 inch casing opposite the Pictured Cliffs formation from 3726 feet to 3792 feet and fracture with water and sand.
4. Hang 2-3/8 inch OD tubing at approximately 3850 feet with a production packer set at 5400 feet and a sidedoor choke at 5430 feet.
5. Install straight through mandril in sidedoor choke and complete well to produce the Mesaverde formation through the tubing and the Pictured Cliffs formation through the tubing-casing annulus.



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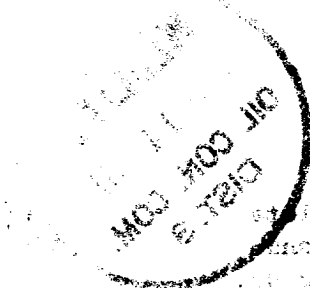
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Re: "E" 11-15

Copy of this application is being furnished by registered mail to Magnolia Petroleum Company, P. O. Box 900, Dallas, Texas, owner of mineral rights on acreage offsetting Well "E" 11-15, as indicated on the attached plat.

Should you desire additional information before approving the proposed work, please advise.

Very truly yours,

**NORTHWEST PRODUCTION CORPORATION**

ORIGINAL SIGNED BY  
W. R. JOHNSTON

**W. R. Johnston, Manager  
Production Operations**

In triplicate

cc: USGS, Farmington, N.M.

Magnolia Petroleum Company  
P. O. Box 900  
Dallas, Texas

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NWP 9	NWP 10	Magnolia 11 ☀ <sup>1</sup>
NWP 16	NWP 15 11-15 ○ 15-15 ○	Magnolia 14 ☀ <sup>2</sup>
NWP 21	NWP 22 18-22 ○	Magnolia 23

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LOCATION AND OWNERSHIP PLAT FOR  
"E" WELL 11-15 IN SECTION 15 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 11-15 IN PICTURED CLIFFS  
AND MESAVERDE FORMATIONS

RIO ARriba COUNTY  
NEW MEXICO

CONTRACT # 116

Drawn: W.H. McGahey  
Approved: Ray Phillips

Scale 1" = 3000'  
Date 5-10-57