

July 3, 1957



Oil Conservation Commission
State of New Mexico
P. O. Box 871
Santa Fe, New Mexico

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

Attention: Mr. A. L. Porter

Gentlemen:

In accordance with Rule 112 (c) of the Commission Rules and Regulations, Northwest Production Corporation requests final approval for the dual completion of "E" Well 14-10 in the Pictured Cliffs and Mesaverde formations. Tentative approval of the plan for drilling and equipping the well was received from Mr. Emory C. Arnold on May 24, 1957.

Following is a resume of the work performed on "E" Well 14-10 which is located 1150' from the North line and 1190' 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:

1. The 7-5/8" OD intermediate casing was set at 3928'.
2. A 6-3/4" hole was drilled to 6042' and a 5 1/2" OD liner was cemented at 6041.93' with a Baash-Ross liner hanger at 3834'.
3. The 5 1/2" liner was perforated from 5466' to 5979' and the Mesaverde formation fractured using water and sand.
4. A temporary bridge plug was set at 5300' to isolate the Mesaverde formation and the 7-5/8" casing was perforated from 3725' to 3779'. The Pictured Cliffs formation was fractured using water and sand.
5. The temporary bridge plug was retrieved and 2-3/8" OD tubing was hung at 5908.03' with a Baker "HBJ" production packer set at 5366.08' and an Otis side-door choke at 5364.98' to produce the Mesaverde formation.
6. Inside the 2-3/8" tubing by 7-5/8" casing annulus, 1 1/2" OD tubing was hung at 3725.15' to produce the Pictured Cliffs formation.

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The three hour absolute open flow from the Mesaverde completion was 7,228 MCFD taken on June 21, 1957. The Pictured Cliffs was tested on June 28 with an absolute open flow of 572 MCFD.

Attached for your information is a diagramatic sketch of the dual with pertinent data of the completion. Copies of production tests, packer leakage test and packer setting affidavit are also attached.

According to our records, Magnolia Petroleum Company, Box 900, Dallas, Texas, owns mineral rights in Sections 2 and 11, Township 26 North, Range 3 West, which offsets our "E" Well 14-10. Notice of our intention to dually complete the subject well was given this operator, as evidenced by the attached registered receipt.

Should you desire additional information before a final order is issued approving this dual gas completion, please advise.

Very truly yours,

NORTHEAST PRODUCTION CORPORATION

ORIGINAL SIGNED BY
W. R. JOHNSTON

W. R. Johnston, Manager
Production Operations

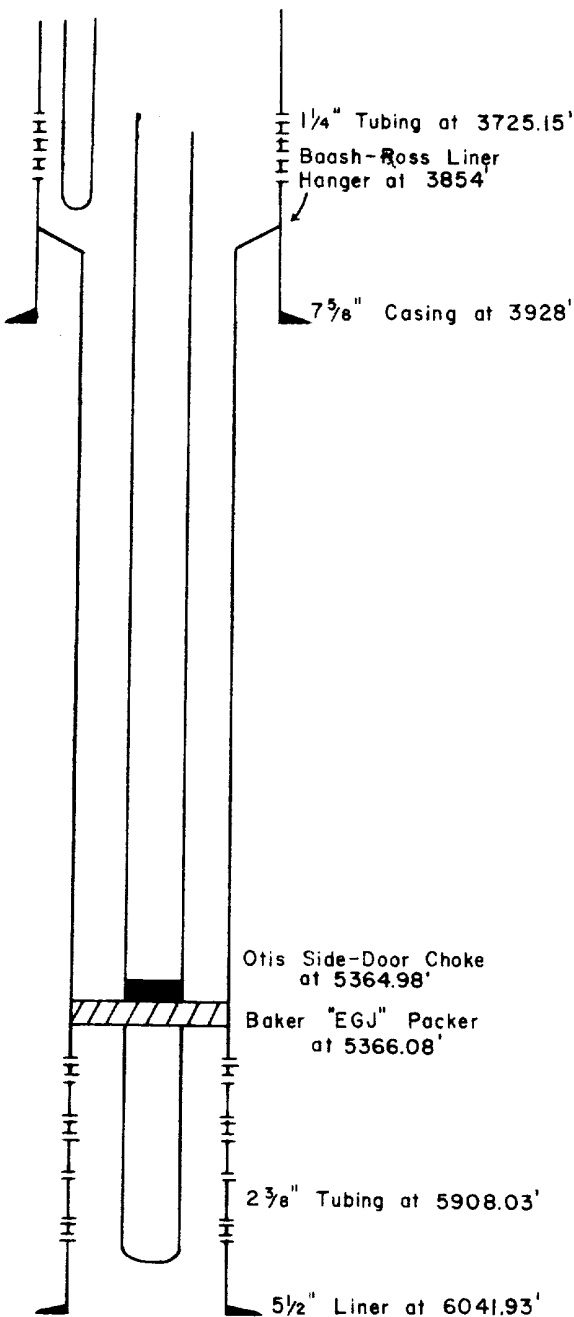
RP/nw

In duplicate

cc: M. M. Oil Conservation Commission, Artec, New Mexico
U. S. Geological Survey, Farmington, New Mexico

PICTURED CLIFFS DATA

TOP OF PICTURED CLIFFS: 3700'
BOTTOM OF PICTURED CLIFFS: 3815'
PERFORATIONS: 3725-3779'



MESAVERDE DATA

TOP OF MESAVERDE: 5464'
BOTTOM OF MESAVERDE: 5980'
PERFORATIONS: 5466-5476',
5498-5509', 5513-5526',
5542-5552', 5590-5602',
5614-5622', 5634-5640',
5796-5818', 5844-5896',
5912-5916', 5920-5930',
5934-5938', 5944-5948',
5954-5960', 5968-5979',

DIAGRAMATIC SKETCH OF DUAL GAS
COMPLETION FOR "E" WELL 14-10

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
Approved: Ray Phillips

Scale 400' = 1"
Date 6-28-57