

April 17, 1957

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

Re: Application for Dual Completion of
Northwest Production Corporation's
"E" Well No. 3-34 located in Section 34,
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 3-34 in the Pictured Cliffs and Mesaverde gas formations. Tentative approval of the plan for drilling and equipping the well was received from Mr. Emery C. Arnold on January 10, 1957.

Following is a resume of the work performed on "E" Well 3-34, which is located 1000 feet from the South line and 1650 feet from the West line of Section 34, Township 26 North, Range 3 West, Rio Arriba County, New Mexico:

1. Intermediate casing (7-5/8 inch OD) was set at 4130 feet.
2. A 6-3/4 inch hole was drilled to 6260 feet and a 5-1/2 inch OD liner was cemented at 6260 feet with a Beach-Ross liner hanger at 4013.13 feet. Top of the liner was squeeze cemented with 50 sacks.
3. The 5-1/2 inch liner was perforated from 6060 feet to 6185 feet and the lower Mesaverde fractured with water.
4. The 5-1/2 inch liner was perforated from 5578 feet to 5950 feet, a bridge plug set at 6000 feet and the upper Mesaverde was fractured using water only.
5. A bridge plug was set at 4043 feet, the 7-5/8 inch casing was perforated from 3936 feet to 3960 feet and the Pictured Cliffs formation was fractured using water and sand.
6. The bridge plugs were retrieved and the hole cleaned out to 4233 feet.



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7. Two inch EUE tubing was hung at 5669.23 feet with Baker "EOJ" production packer set at 5479.24 feet and Otis side-door choke with straight through mandril at 5478.24 feet.

The three-hour absolute open flow from the Mesaverde tubing completion was 513 Mcf taken on April 5, 1957. The Pictured Cliffs tubing-casing annulus completion had an absolute open flow of 1,261 Mcf taken on April 12, 1957. While testing the Pictured Cliffs formation the Mesaverde pressure decreased from 1125 psi shut in to 1122 psi after blowing the Pictured Cliffs for thirty minutes. Pressure on the Mesaverde then started increasing and had built up to 1156 psi at the end of the three-hour blow of the Pictured Cliffs formation. As discussed with Mr. Arnold, the Pictured Cliffs will be produced into the line with the Mesaverde shut in in an attempt to determine the cause of the pressure increase on the Mesaverde while blowing the Pictured Cliffs.

Attached for your information is a diagrammatic 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 Gunsite Uranium Company, 438 South Main, Salt Lake City, Utah, owns mineral rights on acreage offsetting our "E" Well 3-34. 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 completion, please advise.

Yours very truly

NORTHWEST PRODUCTION CORPORATION

ORIGINAL SIGNED BY
W. R. JOHNSTON

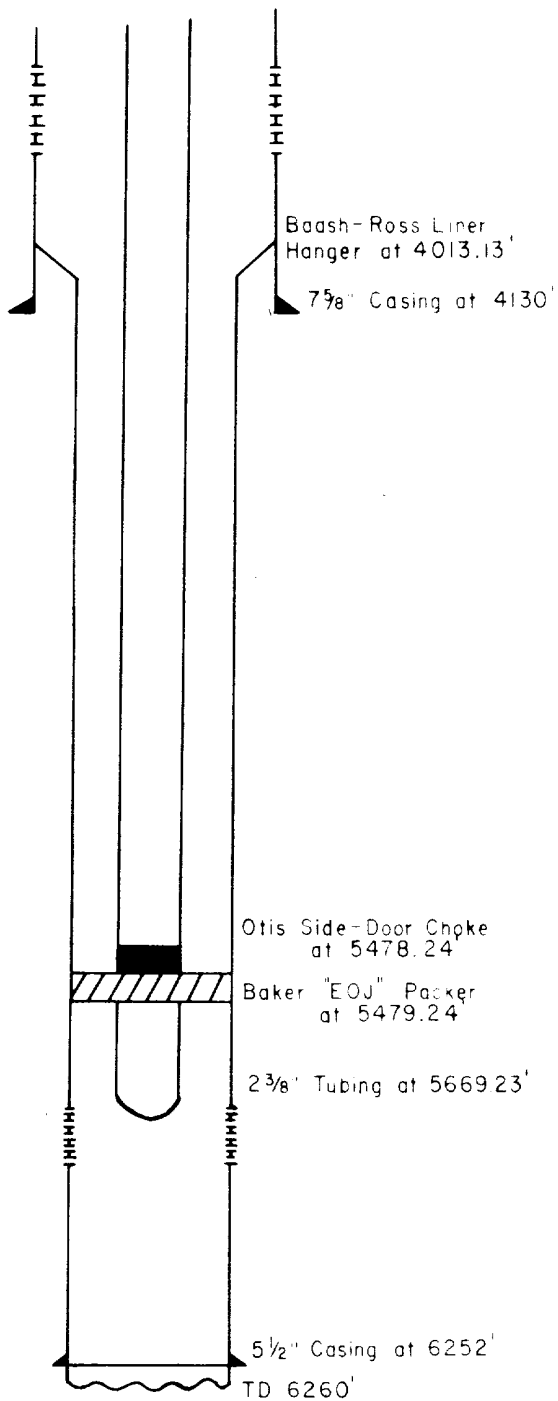
W. R. Johnston, Manager
Production Operations

WJ/JP/nt

In duplicate

cc: Oil Conservation Commission
120 East Chaco
Aztec, New Mexico

U. S. Geological Survey
P. O. Box 965
Farmington, New Mexico



PICTURED CLIFFS DATA

TOP OF PICTURED CLIFFS: 3908'
 BOTTOM OF PICTURED CLIFFS: 3983'
 PERFORATIONS: 3936-3960'

MESAVERDE DATA

TOP OF MESAVERDE: 5560'
 BOTTOM OF MESAVERDE: 6214'
 PERFORATIONS: 5578-5586'
 5590-5602', 5614-5624'
 5836-5846', 5852-5860'
 5864-5878', 5886-5896'
 5942-5950', 6050-6088'
 6092-6110', 6118-6126'
 6170-6178', 6182-6186'

DIAGRAMATIC SKETCH OF DUAL GAS
 COMPLETION FOR "E" WELL 3-34

NORTHWEST PRODUCTION CORPORATION
 ALBUQUERQUE, NEW MEXICO

APPLICATION FOR DUAL GAS COMPLETION
 OF "E" WELL 3-34 IN PICTURED CLIFFS
 AND MESAVERDE FORMATIONS

RIO ARriba COUNTY
 NEW MEXICO

CONTRACT #117

Drawn: W.H. McGahey

Scale: 400' = 1"

Approved: Ray Phillips

Date: 4-18-57