

**Oil and Gas Conservation Commission
State of New Mexico
Box 871
Santa Fe, New Mexico**



**Re: Application for Dual Gas Completion of
Northwest Production Corporation Well
No. 7-8, located in Section 8, T 26 N,
R 4 W.**

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 Well No. 7-8 in the Mesaverde and Pictured Cliffs gas formations. Tentative approval of the plan for drilling and equipping the well was received from Mr. Henry C. Arnold on July 2, 1936. Approval from the United States Geological Survey was received June 26, 1936 on the Notice of Intention to Drill a dual Mesaverde-Pictured Cliffs well.

Following is a resume of the work performed on Well No. 7-8 which is located 1190 feet from the North line and 1190 feet from the East line of Section 8, T 26 N, R 4 W, Rio Arriba County, New Mexico:

1. Seven inch intermediate casing was set at 4180.22 feet.
2. A 6- $\frac{1}{2}$ inch hole was drilled to 6216 feet and a 5-inch liner was cemented at total depth. Top of the liner was hung at 4006 feet with a Burns liner hanger.
3. The 5-inch liner was perforated from 6104 to 6168 feet and the lower Point Lookout was fractured.
4. A bridge plug was set at 6097 feet, the 5-inch liner was perforated from 6076-6090 and the middle Point Lookout was fractured.
5. A bridge plug was set at 6070 feet, the 5-inch liner was perforated from 6030-6064 and the upper Point Lookout was fractured.
6. A bridge plug was set at 5770 feet, the 5-inch liner was perforated from 5600-5680 and the lower Cliff House was fractured.
7. A bridge plug was set at 5592 feet, the 5-inch liner was perforated from 5548-5584 and the upper Cliff House was fractured.
8. The bridge plugs were drilled out and the well cleaned out to 6200 feet.



Oil and Gas Conservation Commission
State of New Mexico
Box 871
Santa Fe, New Mexico

Re: Application for Dual Gas Completion of
Northwest Production Corporation Well
No. 1-8, located in Section 8, T 36 N,
R 11 W.

Attention: Mr. A. L. Porter

Gentlemen:

In accordance with Rule 118-C of the Commission Rules and Regulations, North-
west Production Corporation requests final approval for the dual completion
of Well No. 1-8 in the Mesavilla and Pineda Cliffs gas formations. Final
approval of the plan for drilling and equipping the well was received
from Mr. Henry C. Arnold on July 2, 1956. Approval from the United States
Geological Survey was received June 26, 1956 on the Notice of Intention to
Drill a dual Mesavilla-Pineda Cliffs well.

Following is a resume of the work performed on Well No. 1-8 which is located
1190 feet from the North line and 1190 feet from the East line of Section 8,
T 36 N, R 11 W, Rio Arriba County, New Mexico:

1. Seven inch intermediate casing was set at 4130.25 feet.
2. A 6-1/2 inch hole was drilled to 6215 feet and a 5-inch liner was
cemented at total depth. Top of the liner was hung at 4005 feet
with a 3/4 inch margin.
3. The 5-inch liner was perforated from 6104 to 6155 feet and the
lower point lookout was fractured.
4. A bridge plug was set at 6095 feet, the 5-inch liner was perforated
from 6076-6090 and the middle point lookout was fractured.
5. A bridge plug was set at 6070 feet, the 5-inch liner was perforated
from 6030-6061 and the upper point lookout was fractured.
6. A bridge plug was set at 5770 feet, the 5-inch liner was perforated
from 5600-5680 and the lower Cliffs House was fractured.
7. A bridge plug was set at 5595 feet, the 5-inch liner was perforated
from 5548-5584 and the upper Cliffs House was fractured.
8. The bridge plugs were drilled out and the well cleaned out to 5600
feet.

9. A Bridge plug was set at 4160 feet, the 7-inch casing was perforated from 3884-3916 feet and the Pictured Cliffs was fractured.
10. The bridge plug was drilled out and the well cleaned out to 6200 feet.
11. Two-inch EUE tubing was hung at 6114.93 feet, a production packer was set at 5492.99 feet and a tubing side-door choke at 5453.47 feet. The well was completed August 7, 1956.

The three-hour absolute open flow for the Pictured Cliffs tubing-casing annulus completion was 7,155 Mcf per day taken on September 17, 1956, and for the Mesaverde tubing completion was 2,990 Mcf per day taken on October 1, 1956.

Attached for your information is a diagramatic sketch of the dual with pertinent data of the completion. Test data, including the Packer Leakage Test with charts and a Packer Setting Affidavit are also attached.

Honolulu Oil Corporation, owner of mineral rights on offset acreage, has advised that company has no objection to the dual completion, as evidenced by the attached letter.

Should you desire additional information before a formal order approving the dual completion is issued, please advise.

Yours very truly,

NORTHWEST PRODUCTION CORPORATION

ORIGINAL SIGNED BY
W. R. JOHNSTON

W. R. Johnston, Manager
Production Operations

VRJ:rp
In duplicate

Attachments

cc: U. S. Geological Survey
Box 185
Farmington, New Mexico

Oil Conservation Commission
Altec, New Mexico



9. A Bridge plug was set at 4180 feet, the 7-inch casing was perforated from 3854-3918 feet and the Pictured Cliffs was fractured.
10. The bridge plug was drilled out and the well cleaned out to 6200 feet.
11. Two-inch EUE tubing was hung at 6114.93 feet, a production permit was set at 5452.99 feet and a tubing side-door choke at 5452.47 feet. The well was completed August 7, 1958.

The three-hour absolute open flow for the Pictured Cliffs tubing-casing annulus completion was 7,155 Mcf per day taken on September 17, 1958, and for the Messervey tubing completion was 8,099 Mcf per day taken on October 1, 1958.

Attached for your information is a diagrammatic sketch of the dual well performent data of the completion. Test data, including the Packer Leakage Test with charts and a Packer Setting Affidavit are also attached.

Honolulu Oil Corporation, owner of mineral rights on oil and gas leases, has advised that company has no objection to the dual completion, as evidenced by the attached letter.

Should you desire additional information before a formal order approving the dual completion is issued, please advise.

Yours very truly,

NORTHWEST PRODUCTION CORPORATION

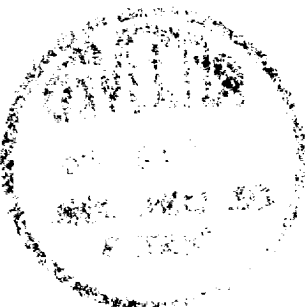
W. R. JOHNSON, Manager
Production Operations
W. R. JOHNSON
ORIGINAL SIGNED BY

WRL:rp
in duplicate

Attachments

cc: U. S. Geological Survey
Box 185
Washington, New Mexico

Oil Conservation Commission
Altec, New Mexico

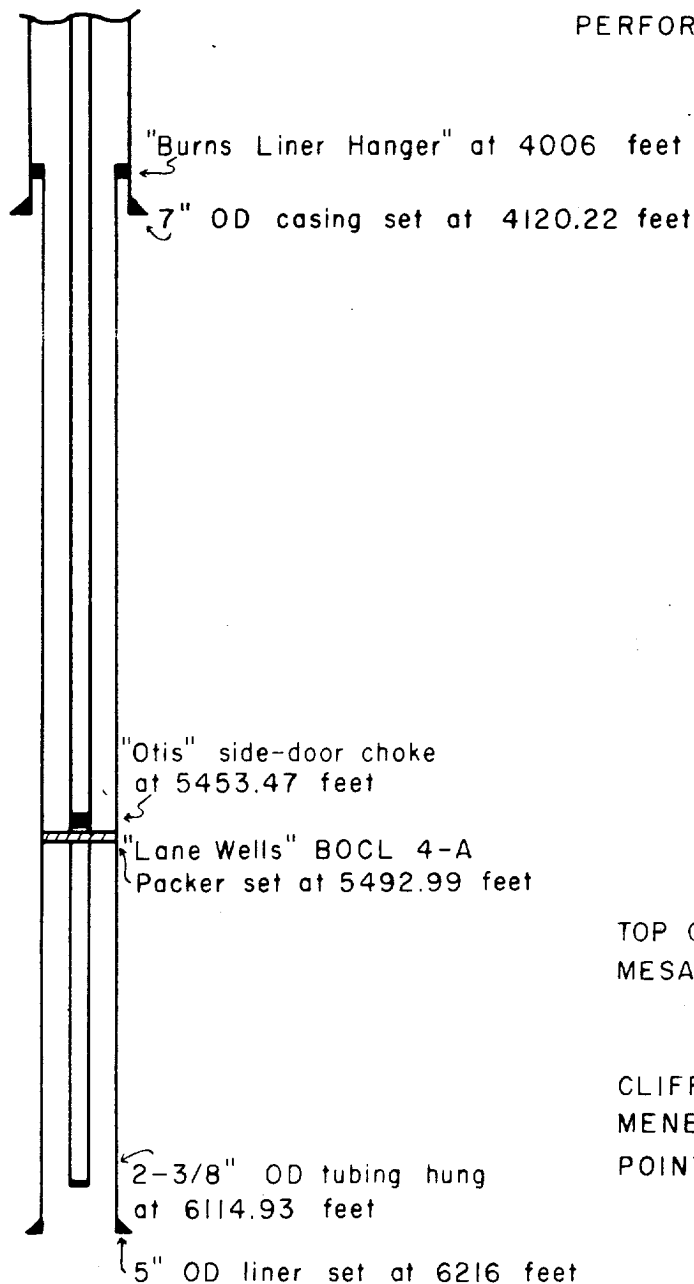


PICTURED CLIFFS DATA:

TOP OF PICTURED CLIFFS — 3881'

BOTTOM OF PICTURED CLIFFS — 3971'

PERFORATIONS : 3884'—3916'



MESAVERDE DATA:

TOP OF MESAVERDE — 5548'

MESAVERDE TO TOTAL DEPTH OF 6216'

PERFORATIONS:

CLIFF HOUSE : 5548'—5680'

MENEFEE : 6030'—6050'

POINT LOOKOUT : 6050'—6168'



DIAGRAMATIC SKETCH OF DUAL GAS
COMPLETION FOR "N" WELL 7-8

NORTHWEST PRODUCTION CORPORATION
ALBUQUERQUE, NEW MEXICO

APPLICATION FOR DUAL GAS COMPLETION
OF "N" WELL 7-8 IN PICTURED CLIFFS
AND MESAVERDE FORMATIONS

RIO ARriba COUNTY
NEW MEXICO

CONTRACT # 119

DRAWN: W.H. MCGAHEY
APPROVED: RAY PHILLIPS

SCALE 1" = 400'
DATE: 8-28-56