

June 5, 1957

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

Re: Application for Dual Gas Completion
of Northwest Production Corporation
"N" Well 8-8, Located in Section 8,
T26N, R4W, Rio Arriba County, New
Mexico.

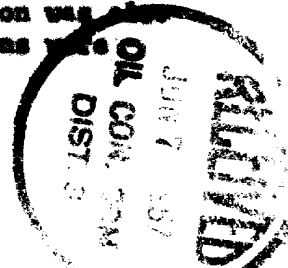
Attention: Mr. A. L. Porter

Gentlemen:

In accordance with Rule 112 (c) of the Commission Rules and Regulations, Northwest Production Corporation requests final approval for the dual completion of "N" Well 8-8 in the Mancosha and Graneros-Dakota formations. Tentative approval of the plan for drilling and equipping the well was received from Mr. Henry C. Arnold on May 8, 1957.

Following is a resume of the work performed on "N" Well 8-8, which is located 1190 feet from the South line and 790 feet from the West line of Section 8, Township 26 North, Range 4 West, Rio Arriba County, New Mexico:

1. Intermediate casing (7-5/8 inch OD) was set at 3760 feet.
2. A 6-3/4 inch hole was drilled to 7910 feet and a 5 1/2 inch OD liner was cemented at 7909.96 feet with a Beach-Ross liner hanger at 3634 feet.
3. The 5 1/2 inch liner was perforated from 7696 to 7880 feet and the Graneros-Dakota formation fractured in two stages using water and sand.
4. Attempt was made to complete in the Greenhorn formation through perforations from 7610 feet to 7666 feet. After sand-water fracture, this formation was nonproductive and the perforations were squeeze cemented.
5. An unsuccessful attempt was made to complete in the Gallup formation through perforations from 7208 to 7312 feet. This formation was also nonproductive after sand-water fracture and the perforations were squeeze cemented.



June 2, 1961

Mr. J. Edgar Hoover
Federal Bureau of Investigation
Washington, D.C. 20535

Dear Sir:
Reference is made to your letter of May 15, 1961, regarding the above captioned matter.

Very truly yours,

W. J. Brennan

Enclosed for the Bureau are two copies of a letterhead memorandum (LHM) dated and captioned as above. The LHM was prepared by the New Mexico State Police and is being furnished to you for your information.

The LHM contains information regarding the activities of the New Mexico State Police and is being furnished to you for your information.

Very truly yours,

W. J. Brennan
New Mexico State Police

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6. With a retainer set at 7170 feet, the $\frac{5}{8}$ inch casing was perforated from 5156 to 5770 feet and the Mesaverde was fractured with water.
7. The retainer at 7170 feet was drilled and the hole was cleaned out to 7895 feet.
8. Two inch EUE tubing was hung at 7676.3 feet with a Baker "HEJ" production packer set at 7178.1 feet and an Otis side-door choke with straight thru mandril at 7177 feet.

The three hour absolute open flow from the Grosverres-Dakota tubing completion was 1,054 MCFD taken on May 27, 1957, and the Mesaverde tubing-casing annulus completion had an absolute open flow of 2,275 MCFD taken on June 3, 1957.

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, Southern Union Gas Company, 1001 Burt Building, Dallas, Texas, owns mineral rights in Sections 17 and 18, Township 26 North, Range 4 West, which offsets our "H" Well 8-8. 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,

NORTHWEST PRODUCTION CORPORATION

ORIGINAL SIGNED BY
W. R. JOHNSTON

W. R. Johnston, Manager
Production Operations

RP/mm

In duplicate

cc: U. S. G. S., Farmington, New Mexico
E. C. Arnold, Aztec, New Mexico

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MESAVERDE DATA:
TOP OF MESAVERDE: 5153'
BOTTOM OF MESAVERDE: 5810'

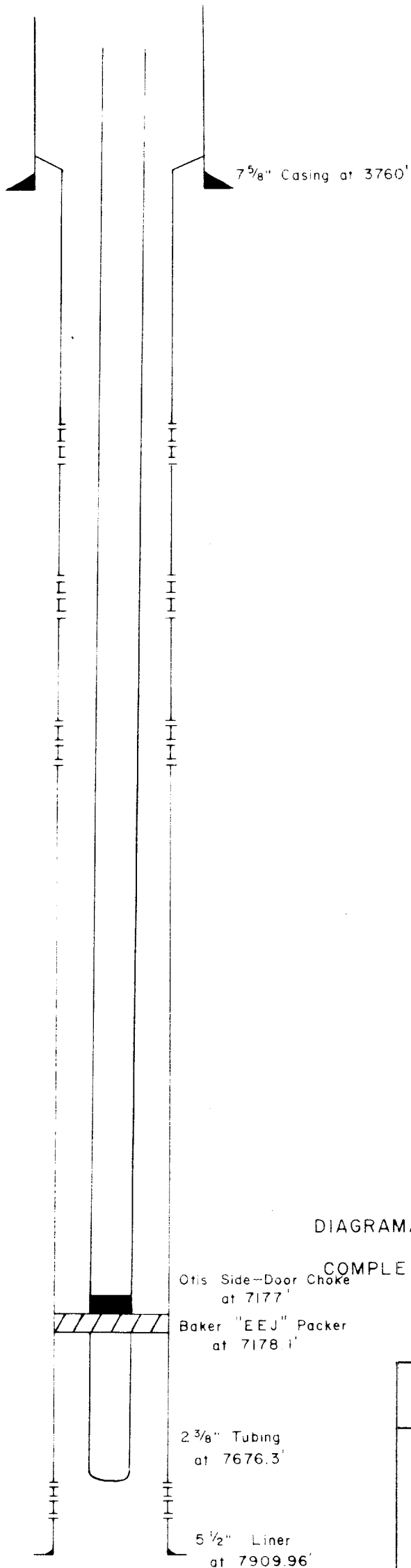
PERFORATIONS: 5156-5162', 5170-5174',
5202-5206', 5218-5226', 5232-5236',
5244-5250', 5266-5284', 5344-5348',
5384-5388', 5434-5446', 5484-5490',
5554-5560', 5592-5596', 5604-5608',
5668-5704', 5718'-5722', 5726-5730',
5734-5738', 5750-5770',

GRANEROS DATA:
TOP OF GRANEROS: 7670'
BOTTOM OF GRANEROS: 7826'

PERFORATIONS: 7696-7734', 7744-7758',
7774-7782', 7798-7804',

DAKOTA DATA:
TOP OF DAKOTA: 7826'
BOTTOM OF DAKOTA: 7910'

7828-7858', 7864-7870', 7874-7880',



DIAGRAMATIC SKETCH OF DUAL GAS

COMPLETION FOR "N" WELL 8-8

Otis Side-Door Choke
at 7177'

Baker "EEJ" Packer
at 7178.1'

2 3/8" Tubing
at 7676.3'

5 1/2" Liner
at 7909.96'

NORTHWEST PRODUCTION CORPORATION
ALBUQUERQUE, NEW MEXICO

APPLICATION FOR DUAL GAS COMPLETION
OF "N" WELL 8-8 IN MESAVERDE AND
GRANEROS-DAKOTA FORMATION

RIO ARriba COUNTY
NEW MEXICO

CONTRACT #119

Drawn: W.H. McGahey
Approved: Ray Phillips

Scale 400' = 1'
Date 6-4-57