June 12, 1957



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

Re: Application for Bual Gas Completion of Northwest Production Corporation "N" Well 5-6, Located in Section 6, 726M, RAW, Rio Arriba County, New Mexico.

Attention: Mr. A. L. Porter

Centlemen:

In accordance with Rule 112 (c) of the Commission Rules and Regulations, Horthwest Production Corporation requests final approval for the dual completion of "H" Well 5-6 in the Pictured Cliffs and Hesaverde formations. Tentative approval of the plan for drilling and equipping the well was received from Mr. Emery C. Arnold on April 30, 1957.

Following is a resume of the work performed on "N" Well 5-6, which is located 1850 feet from the South line and 830 feet from the West line in the HW/4 of the SW/4 of Section 6, Township 26 North, Range 4 West, Rio Arriba County, New Maxiso:

- 1. 7-5/8" OD intermediate casing was set at 4095.56'.
- 2. A 6-3/4" hole was drilled to 6152' and a 5h" OD liner was comented at 6152.4' with a Bassh-Ross liner hanger at 4013.16'.
- 3. The 54" liner was perforated from 5506' to 6120' and the Mesaverde formation fractured with water.
- 4. A temporary bridge plug was set at 4211' to isolate the Mesaverde and the 7-5/8" casing was perforated from 3852' to 3880'. The Pictured Cliffs formation was fractured with water and sand.
- 5. The bridge plug was retrieved and 2-3/8" OB tubing was hung at 6045.34' with a Baker "BGJ" production packer set at 5402.65' and an Otis side-door choke at 5401.55' to produce the Mesaverde formation.

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Oil Conservation Commission Attention: Mr. A. L. Porter June 12, 1957 Page 2

6. Inside the 2-3/8" tubing by 7-5/8" casing annulus, 1-1/4" OD tubing was hung at 3878.84' to produce the Pictured Cliffs formation.

The three hour absolute open flow from the Mesaverde completion was 2,080 MCFD taken on June 4, 1957. The Pictured Cliffs was tested on June 11, 1957, with an absolute open flow of 29,908 MCFD.

Attached for your information is a diagrametic 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 1 and 12, Township 26 North, Range 4 West, which offsets our "N" Well 5-6. 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,

MORTHWEST PRODUCTION CORPORATION

ORIGINAL SIGNED BY

W. R. Johnston, Manager Production Operations

RP/mw

In duplicate

cc: N. M. Oil Conservation Commission, Astec, New Mexico U. S. Geological Survey, Farmington, New Maxico



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് പ്രധാനം ക്രോഗ് ന് വരു വര്ട്ടുത്ത്ത് പുവസ്യായിരുന്ന് വരുന്നത്ത് പ്രധാനം ക്രാവ് വരുന്നു. വരുന്ന വരുന്ന വരുന്ന പ്രധാനം പ്രധാനം പ്രധാനം പ്രധാനം ക്രാവ്യായിരുന്നു. പ്രധാനം പ്രധാനം വരുന്നത്ത് വരുന്നത്ത് വരുന്നു. വരുന്നു വരുന് പ്രധാനത്ത് പ്രധാനം പ്രധാനം പ്രധാനം പ്രധാനം പ്രധാനം വരുന്നത്ത് വരുന്നത്ത് വരുന്നത്ത് വരുന്നു. വരുന്നത്ത് വരുന്ന

ు ఎక్కువారి కోట్లు మండు గ్రామంలోని ఎక్కువారి. ఇక్కి మెక్కువారి కెక్కువారి ఉన్నాయి. గ్రామం ప్రామం ఈ కెక్కువారి కెక్కువారి మార్గువారి. తెక్కువారి మొదటి కార్క్ ప్రవారం కోర్కువారి కార్క్ కెక్కువారి. శారంలో కారం కార్క్ కెక్కువారికి కార్కి కెక్కువారి.

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Baker "EGJ" Packer at 5402.65'

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PICTURED CLIFFS DATA:
TOP OF PICTURED CLIFFS: 3843'

BOTTOM OF PICTURED CLIFFS: 3945'

PERFORATIONS: 3852-3880',

MESAVERDE DATA:

TOP OF MESAVERDE: 5504'

BOTTOM OF MESAVERDE: 6152'

PERFORATIONS: 5506 -5518', 5522-5526',

5552-5560', 5570-5574', 5578-5584',

5592-5602', 5614-5618', 5622-5638',

5748-5754', 5762-5770', 5784-5790',

5842-5852', 5886-5890', 5960-5974',

6004-6014', 6018-6032', 6036-6058',

6062-6076', 6092-6096', 6112-6120',



DIAGRAMATIC SKETCH OF DUAL GAS COMPLETION FOR "N" WELL 5-6

NORTHWEST PRODUCTION CORPORATION ALBUQUERQUE, NEW MEXICO

APPLICATION FOR DUAL GAS COMPLETION OF N WELL 5-6 IN PICTURED CLIFFS AND MESAVERDE FORMATIONS

RIO ARRIBA COUNTY NEW MEXICO

CONTRACT # 119

Drawn: W.H. McGahey
Approved: Ray Phillips

Scale $400^{k} = 1^{k}$ Date 6-4-57

NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

REQUEST FOR (GAS) ALLOWABLE

New Well

/Klockty/lide//

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

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