

PAN AMERICAN PETROLEUM CORPORATION

Box 487, Farmington, New Mexico
May 24, 1960

File: B-2179-501.77 X 400.1

Subject: Deliverability and
Packer Leakage Tests
Houck Gas Unit No. 1

Q-6-29N-700

Mr. E. C. Arnold
New Mexico Oil Conservation Commission
1000 Rio Brazos Road
Aztec, New Mexico

Dear Sir:

Please refer to our letter of March 2, 1960, File: B-2061-501.77, wherein we transmitted an Initial Deliverability Test on a blue-colored Form C-122-A for the Houck Gas Unit No. 1 in the Blanco Pictured Cliffs Field (dually completed with the deeper Blanco Mesa-verde formation).

Attached are the Annual Deliverability Tests on the regular Forms C-122-A for the two producing horizons and a packer leakage test on the Revised Form 11-1-58 for the Houck Gas Unit No. 1. The deliverability tests were conducted from March 3, 1960, through April 14, 1960, and the packer leakage test was commenced immediately following the deliverability test and completed on May 5, 1960. Neither deliverability test could be completed as the seven-day shut-in pressures for both zones were less than the average line pressure during the flow week period. The low shut-in pressures were evidently due to fluid build-up in the well bore as both zones exhibited a tendency to start building up pressure after two to three weeks of shut in.

The packer leakage test was completed satisfactorily as there was no evidence of communication between the two producing horizons. Both zones indicated some build-up in shut-in pressure during the flow period of the other zone and a differential of approximately 200 psi exists between the Pictured Cliffs and Mesaverde formations.

We will attempt to retest both zones for deliverability during the 1960 testing period in order to obtain representative tests. An attempt will be made to thoroughly unload the well bore of fluids before shutting them in for seven days in order to allow the formations to exhibit more rapid build-up pressures.

Yours very truly,

PAN AMERICAN PETROLEUM CORPORATION

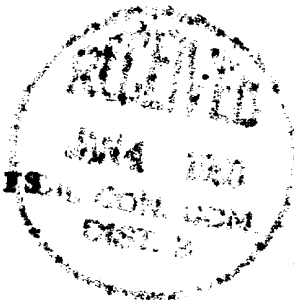
L. O. Speer, Jr.

L. O. Speer, Jr.
Area Superintendent

FHH:hh
Attach.

THE APPLICATION OF PAN AMERICAN
PETROLEUM CORPORATION FOR
PERMISSION TO EFFECT DUAL COMPLETION
OF ITS HOUCK GAS UNIT WELL NO. 1,
LOCATED IN THE SW/4 NE/4 OF SECTION 6,
TOWNSHIP 29 NORTH, RANGE 9 WEST, NMPM,
SAN JUAN COUNTY, NEW MEXICO, IN SUCH A
MANNER AS TO PERMIT THE PRODUCTION OF
GAS FROM AN UNDESIGNATED PICTURED CLIFFS
POOL ADJACENT TO THE BLANCO-PICTURED
CLIFFS POOL AND THE PRODUCTION OF GAS
FROM THE BLANCO-MESAVERDE POOL.

ORDER NO. DC-866



ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION COMMISSION

Under the provisions of Rule 112-A (c) Pan American Petroleum Corporation made application to the New Mexico Oil Conservation Commission on November 30, 1959, for permission to dually complete its Houck Gas Unit Well No. 1, located in the SW/4 NE/4 of Section 6, Township 29 North, Range 9 West, NMPM, San Juan County, New Mexico, in such a manner as to permit the production of gas from an undesignated Pictured Cliffs Pool adjacent to the Blanco-Pictured Cliffs Pool and the production of gas from the Blanco-Mesaverde Pool.

Now, on this 20th day of December, 1959, the Secretary-Director finds:

- (1) That application has been duly filed under the provisions of Sub-section 'c' of Rule 112-A of the Commission's Rules and Regulations;
- (2) That satisfactory information has been provided that all operators of offset acreage have been duly notified; and
- (3) That no objections have been received within the waiting period as prescribed by said rule.
- (4) That the proposed dual completion will not cause waste nor impair correlative rights.
- (5) That the mechanics of the proposed dual completion are feasible and consonant with good conservation practices.

IT IS THEREFORE ORDERED:

That the applicant herein, Pan American Petroleum Corporation, be and the same is hereby authorized to dually complete its Houck Gas Unit Well No. 1, located in the SW/4 NE/4 of Section 6, Township 29 North, Range 9 West, NMPM, San Juan County, New Mexico, in such a manner as to permit the production of gas from an undesignated Pictured Cliffs Pool adjacent to the Blanco Pictured Cliffs Pool and the production of gas from the Blanco-Mesaverde Pool through parallel strings of tubing.

PROVIDED HOWEVER, That applicant shall complete, operate, and produce said well in accordance with the provisions of Section V, Rule 112-A, as amended by Order R-1214.

PROVIDED FURTHER, That applicant shall take packer-leakage tests upon completion and annually thereafter during the Annual Deliverability



THE APPLICATION OF PAN AMERICAN
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OF ITS HOUCK GAS UNIT WELL NO. 1,
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TOWNSHIP 29 NORTH, RANGE 9 WEST, NMPM,
SAN JUAN COUNTY, NEW MEXICO, IN SUCH A
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GAS FROM AN UNDESIGNATED PICTURED CLIFFS
POOL ADJACENT TO THE BLANCO-PICTURED
CLIFFS POOL AND THE PRODUCTION OF GAS
FROM THE BLANCO-MESAVERDE POOL.

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION COMMISSION

Under the provisions of Rule 115-A (c) Pan American Petroleum Corporation made application to the New Mexico Oil Conservation Commission on November 30, 1929, for permission to dually complete its Houck Gas Unit Well No. 1, located in the SW 1/4 NE 1/4 of Section 6, Township 29 North, Range 9 West, NMPM, San Juan County, New Mexico, in such a manner as to permit the production of gas from an undesignated Pictured Cliffs Pool adjacent to the Blanco-Pictured Cliffs Pool and the production of gas from the Blanco-Mesaverde Pool.

Now, on this 20th day of December, 1929, the Secretary-Director

finds:

- (1) That application has been duly filed under the provisions of Sub-section 'c' of Rule 115-A of the Commission's Rules and Regulations;
- (2) That satisfactory information has been provided that all operators of offset acreage have been duly notified; and
- (3) That no objections have been received within the waiting period as prescribed by said rule.
- (4) That the proposed dual completion will not cause waste nor impair correlative rights.
- (5) That the mechanics of the proposed dual completion are feasible and consonant with good conservation practices.

IT IS THEREFORE ORDERED:

That the applicant herein, Pan American Petroleum Corporation, be and the same is hereby authorized to dually complete its Houck Gas Unit Well No. 1, located in the SW 1/4 NE 1/4 of Section 6, Township 29 North, Range 9 West, NMPM, San Juan County, New Mexico, in such a manner as to permit the production of gas from an undesignated Pictured Cliffs Pool adjacent to the Blanco Pictured Cliffs Pool and the production of gas from the Blanco Mesaverde Pool through parallel strings of tubing.

PROVIDED HOWEVER, That applicant shall complete, operate, and produce said well in accordance with the provisions of Section V, Rule 115-A, as amended by Order R-1514.

PROVIDED FURTHER, That applicant shall take packer-leakage tests upon completion and annually thereafter during the Annual Deliverability

Order No. DC-866

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Test Period for the Blanco-Mesaverde Pool.

IT IS FURTHER ORDERED: That jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of applicant to comply with any requirement of this order after proper notice and hearing the Commission may terminate the authority hereby granted and require applicant or its successors and assigns to limit its activities to regular single-zone production in the interests of conservation.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

A. L. PORTER, Jr.,
Secretary-Director

SEAL

Test Period for the Blanco Mesaverte Pool.

IT IS FURTHER ORDERED: That jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of applicant to comply with any requirement of this order after proper notice and hearing the Commission may terminate the authority hereby granted and require applicant or its successors and assigns to limit its activities to regular single-zone production in the interests of conservation.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

A. E. PORTER, Jr.,
Secretary-Director

SEAL