

OCC
Aztec

MAIN OFFICE 113 1/2 West Main Street
Farmington, New Mexico

1956 APR 5 AM 8:09
March 29, 1956

Re: Application for Dual Gas Completion
of Pacific Northwest Pipeline Corp.'s
Indian "I" #1. Located in Sec. 27,
T8N, R3W, Rio Arriba County, New
Mexico

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

Attn: Mr. W. B. Macey

Gentlemen:



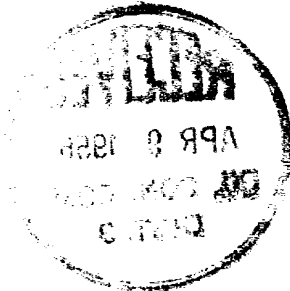
In accordance with your request of October 10th, 1955 that we furnish you a resume of all work done on Pacific Northwest Pipeline Corporation's Indian "I", Well No. 1, prior to your issuing a formal order approving the dual completion, the following information is submitted:

1. Well was drilled to 6070'. Set 5 1/2" casing at 6070'.
2. The Point Lookout formation was perforated from 5944' to 6028' and fractured.
3. A bridge plug was set at 5930' and the Menefee formation was perforated from 5922 to 5795' and fractured.
4. A bridge plug was set at 5400' and the Cliff House section and transition zone of the Menefee formation were perforated from 5422' to 5625' and fractured.
5. A bridge plug was set at 4810' and the Lower Pictured Cliffs formation was perforated from 3836' to 3990' and fractured.
6. A bridge plug was set at 3815' and the Upper Pictured Cliff formation was perforated from 3646' to 3796'. A retrievable cement retainer was set at 3807' and the formation was squeezed through the perforations. The retainer was pulled out and the formation fractured.
7. The well was cleaned out to 6065', production packer set at 5330' with tubing side-door choke at 4803' and well completed November 28th, 1955.

1111 West Main Street
Washington, New Mexico

October 1, 1955
March 29, 1956

Application for land use
of Pacific Northwest Pipeline Corp.
Indian "I" Well No. 1, located in Sec. 27,
T28N, R3W, Rio Arriba County, New
Mexico



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

Attest: Mr. W. B. Mosey

Commissioner

In accordance with your request of October 10th, 1955 that we furnish
you a review of all work done on Pacific Northwest Pipeline Corporation's
Indian "I" Well No. 1, prior to your issuing a formal order approving
the final completion, the following information is submitted:

1. Well was drilled to 3070'. Set 2 1/2" casing at 3070'.
2. The point lookout formation was performed from 2944' to 3028' and fractured.
3. A bridge plug was set at 2930' and the Hensley formation was perforated from 2928' to 2938' and fractured.
4. A bridge plug was set at 2800' and the Cliff House section and transition zone of the Hensley formation were perforated from 2722' to 2822' and fractured.
5. A bridge plug was set at 2410' and the lower Hensley Cliff formation was perforated from 2336' to 2400' and fractured.
6. A bridge plug was set at 2312' and the upper Hensley Cliff formation was perforated from 2246' to 2306'. A retrievable cement retainer was set at 2307' and the formation was exposed through the perforations. The retainer was pulled out and the formation fractured.
7. The well was cleaned out to 3025', production began set at 2920' with tubing side-vent chokes at 4003' and well completed November 28th, 1955.

8. The tubing was pulled and the side-door choke was lowered from 4003' to 5347' because the Mesaverde formation would not unload through the tubing. Finished running tubing on March 8th, 1956. Well was shut in for Initial Potential on March 9th, 1956.

The three hour open flow potential for the well on the Mesaverde tubing completion was 1,335 M.C.F. per day taken on March 19th, 1956 and on the Pictured Cliff annulus completion was 618 M.C.F. per day taken on March 19th, 1956.

Attached for your information is a diagrammatic sketch of the dual with pertinent data as completed. Verbal approval to proceed with dual completion operations on this well was received from Mr. McGrath of the U. S. Geological Survey.

If any additional information is needed on this well before a formal order approving the dual completion can be issued, please notify us.

Yours very truly,

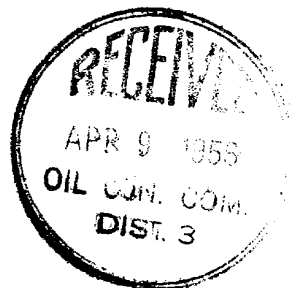
T. A. Dugan
T. A. Dugan
District Engineer

TAD:blm
In Duplicate

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

cc: Oil Conservation Commission
Axtel, New Mexico

cc: W. R. Johnston
Las Truby



2. The tubing was pulled and the wire-line pump was lowered
 100' to 500' because the pressure was too low
 not raised through the tubing. The tubing was
 on March 8th, 1956. Well was shut in for Initial Potentials
 on March 9th, 1956.

The casing from open flow potential for the well on the leasehold was
 1,335 ft. per day taken on March 14th, 1956 and
 on the finished initial annual completion was 11,500 ft. per day taken
 on March 14th, 1956.

Attached for your information is a description of the well and
 pertinent data as completed. Initial approval to proceed with final
 completion operations in this well was received from Mr. McGrath of
 the U. S. Geological Survey.

If any additional information is needed on this well before a formal
 order approving the final completion can be issued, please notify me.

Yours very truly,

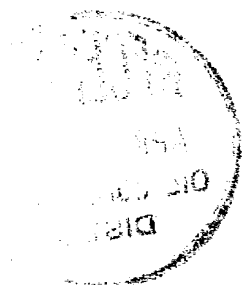
[Signature]
 W. A. Johnson
 District Engineer

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 District Engineer

U. S. Geological Survey
 Washington, New Mexico

Oil Conservation Commission
 Austin, New Mexico

W. A. Johnson
 District Engineer



7-5/8 INCH CASING SET AT 3610 FEET

PICTURED CLIFFS DATA:

TOP OF PICTURED CLIFFS 3643

BOTTOM OF PICTURED CLIFFS 3990

PERFORATIONS:

UPPER PICTURED CLIFFS 3646-3796

LOWER PICTURED CLIFFS 3836-3990

MESAVERDE DATA:

TOP OF MESAVERDE 5418

MESAVERDE TO TOTAL DEPTH OF 6065

PERFORATIONS:

CLIFF HOUSE 5422-5688

MENEFEE 5708-5922

POINT LOOKOUT 5944-6028

OTIS SIDE DOOR CHOKE SET AT 5347 FEET

LANE WELLS BOCL 8A PACKER SET AT
5350 FEET

5 1/2 INCH CASING SET AT 6070 FEET

PB 6065 FEET

TD 6070 FEET

DIAGRAMATIC SKETCH OF DUAL GAS
COMPLETION FOR INDIAN I, WELL #1



PACIFIC NORTHWEST PIPELINE CORPORATION
ALBUQUERQUE, NEW MEXICO

APPLICATION FOR DUAL GAS COMPLETION OF
INDIAN I, WELL #1 IN PICTURED CLIFFS AND
MESAVERDE FORMATIONS

RIO ARriba COUNTY, NEW MEXICO