

**NORTHWEST PIPELINE CORPORATION**   
ONE OF THE WILLIAMS COMPANIES

LAND DEPARTMENT

139-87

P.O. BOX 8900  
SALT LAKE CITY, UTAH 84108-0900  
801-584-6669  
801-584-7215

March 3, 1987

Assistant Area Oil and Gas Supervisor  
Bureau of Land Management  
Western National Bank Building  
505 Marquette NW, Suite 815  
Albuquerque, NM 87102

State of New Mexico  
Commissioner of Public Lands  
Attn: Mr. Floyd O. Prando  
P. O. Box 1148  
Santa Fe, NM 87501

State of New Mexico  
Oil Conservation Commission  
Attn: William J. LeMay  
P. O. Box 2088  
Santa Fe, NM 87501

Re: San Juan 32-8 Unit, #14-08-001-446  
Rio Arriba County, New Mexico  
1987 Drilling Program

Gentlemen:

By letter dated March 27, 1986, Northwest Pipeline Corporation, as Unit Operator, filed a Drilling Program for the captioned Unit providing for the drilling of no wells.

As of this date, the total number of wells drilled in the San Juan 32-8 Unit on acreage committed to the unit is as follows:

Fruitland, commercial	2
Fruitland, plugged and abandoned	1
Fruitland/Pictured Cliffs, (Fruitland commercial, Pictured Cliffs non-commercial)	1
Pictured Cliffs/Mesaverde, commercial	2
Pictured Cliffs/Mesaverde, (Pictured Cliffs commercial, Mesaverde non-commercial)	1
Mesaverde, commercial	37
Mesaverde, non-commercial	2

Assistant Area Oil and Gas Supervisor  
Commissioner of Public Lands  
Oil Conservation Commission  
San Juan 32-8 1987 Drilling Program  
March 3, 1987  
Page -2-

Mesaverde, commerciality undetermined	1
Mesaverde, plugged and abandoned	3
Mesaverde/Dakota, plugged and abandoned	1
Dakota, commercial	1
Dakota, non-commercial	<u>1</u>
TOTAL	53

Pursuant to Section 10 of the San Juan 32-8 Unit Agreement, Northwest Pipeline Corporation is submitting a Drilling Program providing for the drilling of no wells during the calendar year 1987.

All of the Working Interest Owners have been contacted and this Drilling Program reflects the desires of a majority of the Working Interest Owners. Northwest Pipeline Corporation, as Unit Operator, and the Working Interest Owners believe that all current obligations have been satisfied.

Northwest Pipeline Corporation, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or the Working Interest Owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to Northwest Pipeline Corporation.

Copies of this Drilling Program are being sent to the Working Interest Owners as shown on the attached sheet.

Sincerely,

NORTHWEST PIPELINE CORPORATION

  
Darrell L. Gillen  
Land Coordinator

DLG:js

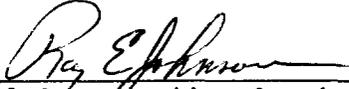
Attachment

cc: Working Interest Owners  
K. J. Stracke  
W. O. Curtis  
P. C. Thompson

Assistant Area Oil and Gas Supervisor  
Commissioner of Public Lands  
Oil Conservation Commission  
San Juan 32-8 1987 Drilling Program  
March 3, 1987  
Page -3-

APPROVED \_\_\_\_\_ DATE \_\_\_\_\_  
Assistant District Manager for Minerals  
Bureau of Land Management  
Subject to like approval by the  
Commissioner of Public Lands and the  
Oil Conservation Commission

APPROVED \_\_\_\_\_ DATE \_\_\_\_\_  
Commissioner of Public Lands  
Subject to like approval by the  
Assistant Area Oil and Gas Supervisor  
and the Oil Conservation Commission

APPROVED  \_\_\_\_\_ DATE 3-17-87  
Oil Conservation Commission  
Subject to like approval by the  
Assistant Area Oil and Gas Supervisor  
and the Commissioner of Public Lands

The foregoing approvals are for the 1987 Drilling Program for the San Juan  
32-8 Unit #14-08-001-446.

SAN JUAN 32-8  
WORKING INTEREST OWNERS

Phillips Oil Company  
Attention: Dave S. Smith  
8055 E. Tufts Avenue Parkway  
Denver, CO 80237

Texaco Inc.  
Mr. T. L. Ditmore, Manager, Petroleum Engineering  
P. O. Box 2100  
Denver, Co 80201

Meridian Oil  
Land Department  
P. O. Box 4289  
Farmington, NM 87499

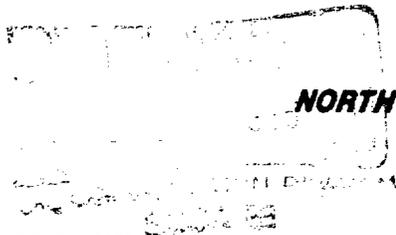
Wintergreen Energy  
Attn: Gene N. Garnett  
Dorchester Place - Suite 125  
5735 Pineland Drive  
Dallas, TX 75231

Suzanna P. Kelly  
P. O. Box 585  
Cameron, MT 59720

H. H. Phillips, Agent  
8918 Tesoro Drive, Suite 116  
San Antonio, TX 78217

H. H. Phillips, Jr.  
8918 Tesoro Drive, Suite 116  
San Antonio, TX 78217

0043t



**NORTHWEST PIPELINE CORPORATION**  
ONE OF THE WILLIAMS COMPANIES

LAND DEPARTMENT

462-86

P O BOX 8900  
SALT LAKE CITY, UTAH 84108-0900  
801-584-6669  
801-584-7215

July 2, 1986

Assistant District Manager, Minerals  
Bureau of Land Management  
Western National Bank Building  
505 Marquette NW, Suite 815  
Albuquerque, NM 87102

State of New Mexico  
Commissioner of Public Lands  
Attn: Mr. Floyd O. Prando  
P. O. Box 1148  
Santa Fe, NM 87501

State of New Mexico  
Oil Conservation Division  
Attn: Mr. Richard L. Stamets  
P. O. Box 2088  
Santa Fe, NM 87501

Re: San Juan 32-8 Unit #14-08-001-446  
San Juan County, New Mexico  
NOTICE OF COMPLETION OF  
ADDITIONAL WELL  
MESAVERDE FORMATION

Gentlemen:

The Notice of Completion of Additional Well, which was filed May 22, 1986 for the San Juan 32-8 #8A well has been approved by the regulatory agencies as follows:

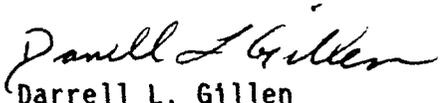
Bureau of Land Management	6/24/86
Commissioner of Public Lands	6/26/86
Oil Conservation Division	6/12/86

July 2, 1986  
Page -2-

Copies of this letter are being sent to the Working Interest Owners shown on the attached sheet.

Sincerely,

NORTHWEST PIPELINE CORPORATION



Darrell L. Gillen  
Land Coordinator

DLG:js

Attachments

cc: Working Interest Owners  
K. J. Stracke  
W. O. Curtis

SAN JUAN 32-8  
WORKING INTEREST OWNERS

Phillips Oil Company  
Attention: Steve F. Beasley  
8055 E. Tufts Avenue Parkway  
Denver, CO 80237

Sun Gas Division  
Sun Exploration & Production Company  
Attn: Joint Operations  
P. O. Box 20  
Dallas, TX 75221

Texaco Inc.  
Mr. T. L. Ditmore, Manager, Petroleum Engineering  
P. O. Box 2100  
Denver, Co 80201

Meridian Oil  
Land Department  
P. O. Box 4289  
Farmington, NM 87499

State of New Mexico



JIM BACA  
COMMISSIONER

Commissioner of Public Lands

June 26, 1986

P.O. BOX 1148  
SANTA FE, NEW MEXICO 87504-1148

Northwest Pipeline Corporation  
Attention: Mr. Darrell L. Gillen  
P. O. Box 8900  
Salt Lake City, Utah 84108-0900

Re: San Juan 32-8 Unit  
San Juan County, New Mexico  
Notice of Completion of  
Additional well  
Mesaverde Formation

Gentlemen:

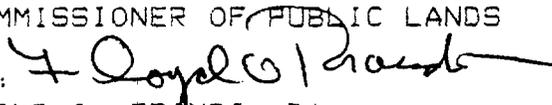
This office is in receipt of your letter of May 22, 1986, wherein as Unit Operator of the San Juan 32-8 Unit Area, you have determined that the San Juan 32-8 Unit Well No. 8A located 1150 FSL and 810 FEL of Section 22, Township 31 North, Range 8 West is capable of producing unitized substances in paying quantities from the Mesaverde formation.

The Commissioner of Public Lands concurs with your determination. Inasmuch as this well was completed in the existing Mesaverde Participating Area no revision is necessary. Our approval is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management.

Enclosed is an approved copy for your files.

Very truly yours,

JIM BACA  
COMMISSIONER OF PUBLIC LANDS

BY:   
FLOYD O. PRANDO, Director  
Oil and Gas Division  
(505) 827-5744

JB/FOP/PM  
encs.

cc: OCD-Santa Fe, New Mexico  
BLM-Albuquerque, New Mexico Attn: Fluids Branch

**ILLEGIBLE**



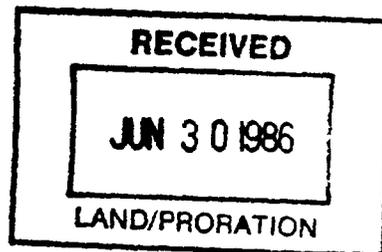
# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
ALBUQUERQUE DISTRICT OFFICE

505 Marquette, N.W.  
P.O. Box 6770  
Albuquerque, New Mexico 87197-6770

SJ 32-8  
Mesaverde PA  
3180 (015)

JUN 24 1986



Northwest Pipeline Corporation  
ATTN: Darrell L. Gillen  
P.O. Box 8900  
Salt Lake City, UT 84108

Gentlemen:

By letter dated May 22, 1986, we received a notice of completion of an additional well in the Mesaverde Formation, San Juan 32-8 Unit, San Juan County, New Mexico. Northwest Pipeline Corporation, as unit operator, has determined that the San Juan 32-8 Unit well No. 8A, located 1150 feet from the South line and 810 feet from the East line, sec. 22, T. 31 N., R. 8 W., NMPM, is capable of producing unitized substances in paying quantities from the Mesaverde Formation. We concur with your determination.

The well was completed in the existing Mesaverde Participation Area and, therefore, no revision is necessary. This notice is hereby accepted for record.

If you have any questions concerning this determination, please contact Gail Keller at the above address or telephone (505) 766-2841.

Sincerely,

*Sid Vogelzoll*

For District Manager

Enclosures



TONEY ANAYA  
GOVERNOR

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

June 12, 1986

50 YEARS



1935 - 1985

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-5800

Northwest Pipeline Corp.  
P. O. Box 8900  
Salt Lake City, Utah 84108-0900

Attention: Darrell L. Gillen

Re: San Juan 32-8 Unit #14-08-001-446  
San Juan County, New Mexico  
Notice of Completion of Additional  
Well, Mesaverde Formation

Gentlemen:

The above-referenced submittal has been approved by the New Mexico Oil Conservation Division effective this date. Such approval is contingent upon like approval by the New Mexico Commissioner of Public Lands and the Bureau of Land Management.

Sincerely,

ROY E. JOHNSON,  
Senior Petroleum Geologist

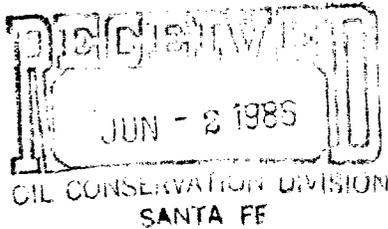
REJ/dr

cc: Commissioner of Public Lands - Santa Fe  
Bureau of Land Management - Albuquerque

# 2/4/6

**NORTHWEST PIPELINE CORPORATION**  
ONE OF THE WILLIAMS COMPANIES

LAND DEPARTMENT



353-85

P.O. BOX 8900  
SALT LAKE CITY, UTAH 84108-0900  
801-584-6669  
801-584-7215

May 22, 1986

0776t

Assistant District Manager, Minerals  
Bureau of Land Management  
Western National Bank Building  
505 Marquette NW, Suite 815  
Albuquerque, NM 87102

State of New Mexico  
Commissioner of Public Lands  
Attn: Mr. Floyd O. Prando  
P.O. Box 1148  
Santa Fe, NM 87501

State of New Mexico  
Oil Conservation Division  
Attn: Richard L. Stamets  
P. O. Box 2088  
Santa Fe, NM 87501

Re: San Juan 32-8 Unit #14-08-001-446  
San Juan County, New Mexico  
NOTICE OF COMPLETION OF  
ADDITIONAL WELL  
MESAVERDE FORMATION

Gentlemen:

Pursuant to the provisions of Section 11(a) of the San Juan 32-8 Unit Agreement Northwest Pipeline Corporation, as Unit Operator, has determined that the following described well, which has been completed within the Mesaverde Formation Participating Area, is capable of producing unitized substances in paying quantities.

The well data is as follows:

The San Juan 32-8 Unit #8A well is located 1150 feet from the South line and 810 feet from the East line of section 22, Township 31 North, Range 8 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on October 27, 1981 and completed in the Mesaverde formation on

Bureau of Land Management  
Commissioner of Public Lands  
Oil Conservation Division  
May 22, 1986  
Page -2-

January 19, 1982. The plug back depth is 5800'. The Mesaverde formation was perforated with a total of 25 holes at the following depths:

5295', 5301', 5314', 5354', 5374', 5417', 5426', 5431', 5616', 5640',  
5644', 5652', 5656', 5664', 5672', 5680', 5686', 5694', 5698', 5702',  
5709', 5726', 5748', 5756', 5760'.

These perforations were treated with 10,000 gallons of slick water and fractured with 100,000 pounds of 20/40 sand. The well was tested on January 19, 1982 for 3 hours using a positive choke. During the test the well made 297 Mcf of gas against a flowing tubing pressure of 164 psig. The 7-day shutin pressure (casing and tubing) prior to the test was 619 psig. The well produced a light mist of water throughout the test. The calculated AOF was 3504 Mcfd.

Since this well was drilled within the existing Mesaverde Formation Participating Area, the Participating Area is not affected by virtue of this commercial well and the percentages of participation remain the same.

If this determination meets with your approval, please so indicate such approval in the space provided and return an approved copy for our files. Copies of this letter are being sent to the Working Interest Owners shown on the attached sheet.

Very truly yours,

NORTHWEST PIPELINE CORPORATION

  
Darrell L. Gillen  
Land Coordinator

DLG:jk1

Attachments

cc: Working Interest Owners  
K.J. Stracke  
W.O. Curtis  
K. Nielsen

Bureau of Land Management  
Commissioner of Public Lands  
Oil Conservation Division  
May 22, 1986  
Page -3-

APPROVED \_\_\_\_\_  
Assistant District Manager, Minerals  
Bureau of Land Management  
Subject to like approval by the  
Commissioner of Public Lands and the  
Oil Conservation Division

DATE \_\_\_\_\_

APPROVED \_\_\_\_\_  
Commissioner of Public Lands  
Subject to like approval by the  
Area Oil and Gas Supervisor and the  
Oil Conservation Division

DATE \_\_\_\_\_

APPROVED  \_\_\_\_\_  
Oil Conservation Division  
Subject to like approval by the  
Area Oil and Gas Supervisor and the  
Commissioner of Public Lands

DATE 6-11-86

SAN JUAN 32-8  
WORKING INTEREST OWNERS

Texaco Inc.  
Mr. T. L. Ditmore, Manager, Petroleum Engineering  
P. O. Box 2100  
Denver, Co 80201

Meridian Oil  
Land Department  
P. O. Box 4289  
Farmington, NM 87499

0043t

Bureau of Land Management  
Albuquerque District Office  
Minerals Division  
P.O. Box 6770  
Albuquerque, NM 87197-6770

San Juan 32-8  
Unit POD  
3180 (015)

MAY 19 1986

Northwest Pipeline Corporation  
ATTN: Darrell L. Gillen  
P.O. Box 1526  
Salt Lake City, UT 84110

Gentlemen:

Two approved copies of your 1986 Plan of Development for the San Juan 32-8 Unit area, San Juan County, New Mexico are enclosed. Such plan, proposing the drilling of no wells during the calendar year 1986, is approved this date subject to like approval by the appropriate officials of the State of New Mexico.

The possibility of drainage by wells outside of the unit boundary may exist. You will be contacted at a later date about this possibility.

If you have any questions, please contact Gail Keller at the above address or telephone (505) 766-2841.

Sincerely,

*Gail Keller*

For District Manager

Enclosure(s)

cc:  
Micrographics 943B-1  
Fluids Section FRAH  
NMOCD, Santa Fe  
Comm. of Pub. Lands, Santa Fe  
O&G Chron

015:GKeller:klm:5-15-86:1876M

# State of New Mexico



JIM BACA  
COMMISSIONER

## Commissioner of Public Lands

April 28, 1986

P.O. BOX 1148  
SANTA FE, NEW MEXICO 87504-1148  
Express Mail Delivery Uses  
310 Old Santa Fe Trail  
Santa Fe, New Mexico 87501

Northwest Pipeline Corporation  
Attn: Darrall L. Gillen  
P. O. Box 8900  
Salt Lake City Utah 84108-0900

Re: San Juan 32-8 Unit  
San Juan County, New Mexico  
1986 Drilling Program

Gentlemen:

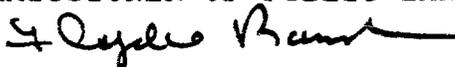
The Commissioner of Public Lands has this date approved your 1986 Drilling Program for the San Juan 32-8 Unit Area, San Juan County, New Mexico. Such plan calls for the drilling of no wells during the calendar year 1986.

Our approval is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management.

Enclosed is an approved copy for your files.

Very truly yours,

JIM BACA  
COMMISSIONER OF PUBLIC LANDS

BY:   
FLOYD O. PRANDO, Director  
Oil and Gas Division  
(505) 827-5744

JB/FOP/pm  
encs.

cc: OCD-Santa Fe, New Mexico  
BLM-Albuquerque, New Mexico Attn: Fluids Branch

# State of New Mexico



JIM BACA  
COMMISSIONER



## Commissioner of Public Lands

April 24, 1986

P.O. BOX 1148  
SANTA FE, NEW MEXICO 87504-1148  
Express Mail Delivery Uses  
310 Old Santa Fe Trail  
Santa Fe, New Mexico 87501

Northwest Pipeline Corporation  
Attn: Mr. Darrell L. Gillan  
P. O. Box 8900  
Salt Lake City, Utah 84108-0900

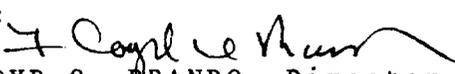
Re: San Juan 32-8 Unit, Amended Initial Expanded Dakota Participating Area, Eff: February 10, 1982

Gentlemen:

The Commissioner of Public Lands has this date approved the Initial Dakota Participating Area for the San Juan 32-8 Unit agreement, San Juan County, New Mexico effective as of February 10, 1982.

The Initial Dakota Participating Area contains 320.00 acres and covers the E/2 of Section 21, Township 31 North, Range 8 West. The Initial Participating area is based upon the commercial completion of the San Juan 32-8 Unit Well No. 11-A. Our approval is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management.

If we may be of further help please do not hesitate to call on us.

Very truly yours,  
JIM BACA  
COMMISSIONER OF PUBLIC LANDS  
BY:   
FLOYD O. BRANDT, Director  
Oil and Gas Division  
(505) 827-5744

JB/FOP/pm  
encls.

cc: OCD-Santa Fe, New Mexico  
BLM-Albuquerque, New Mexico, Attn: Fluids Branch

**NORTHWEST PIPELINE CORPORATION**  
 ONE OF THE WILLIAMS COMPANIES

LAND DEPARTMENT

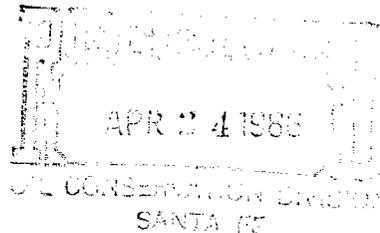
263-86

P. O. BOX 8900  
 SALT LAKE CITY, UTAH 84108-0900  
 801-584-6669  
 801-584-7215

March 27, 1986

Assistant Area Oil and Gas Supervisor  
 Bureau of Land Management  
 Western National Bank Building  
 505 Marquette NW, Suite 815  
 Albuquerque, NM 87102

State of New Mexico  
 Commissioner of Public Lands  
 Attn: Mr. Floyd O. Prando  
 P. O. Box 1148  
 Santa Fe, NM 87501



State of New Mexico  
 Oil Conservation Commission  
 Attn: Richard L. Stamets  
 P. O. Box 2088  
 Santa Fe, NM 87501

Re: San Juan 32-8 Unit #14-08-001-446  
 San Juan County, New Mexico  
 1986 Drilling Program

Gentlemen:

By letter dated March 29, 1985, Northwest Pipeline Corporation, as Unit Operator, filed a Drilling Program for the captioned Unit providing for the drilling of one (1) Mesaverde well, which was timely drilled.

As of this date, the total number of wells drilled in the San Juan 32-8 Unit on acreage committed to the unit is as follows:

Fruitland, commercial	2
Fruitland, plugged and abandoned	1
Fruitland/Pictured Cliffs, (Fruitland commercial, Pictured Cliffs non-commercial)	1
Pictured Cliffs/Mesaverde, commercial	1
Pictured Cliffs/Mesaverde, (Pictured Cliffs commercial Mesaverde non-commercial)	2
Mesaverde, commercial	35
Mesaverde, non-commercial	3
Mesaverde, commerciality undetermined	1
Mesaverde, plugged and abandoned	3
Mesaverde/Dakota, plugged and abandoned	1
Dakota, commercial	1
Dakota, non-commercial	1

**TOTAL** 52

Assistant Area Oil and Gas Supervisor  
Commissioner of Public Lands  
Oil Conservation Commission  
San Juan 32-8 1986 Drilling Program  
March 27, 1986  
Page -2-

Pursuant to Section 10 of the San Juan 32-8 Unit Agreement, Northwest Pipeline Corporation is submitting a Drilling Program providing for the drilling of no wells during the calendar year 1986.

All of the Working Interest Owners have been contacted and this Drilling Program reflects the desires of a majority of the Working Interest Owners. Northwest Pipeline Corporation, as Unit Operator, and the Working Interest Owners believe that all current obligations have been satisfied.

Northwest Pipeline Corporation, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or the Working Interest Owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to Northwest Pipeline Corporation.

Copies of this Drilling Program are being sent to the Working Interest Owners as shown on the attached sheet.

Sincerely,

NORTHWEST PIPELINE CORPORATION

  
Darrell L. Gillen  
Land Coordinator

DLG:js

Attachment

cc: Working Interest Owners



SAN JUAN 32-8  
WORKING INTEREST OWNERS

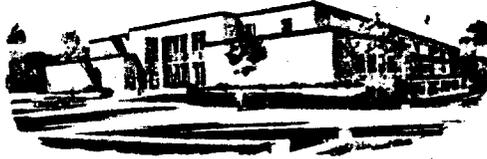
Phillips Oil Company  
Attention: T. C. Doughty  
8055 E. Tufts Avenue Parkway  
Denver, CO 80237

Sun Gas Division  
Sun Exploration & Production Company  
Attn: Joint Operations  
P. O. Box 20  
Dallas, TX 75221

Texaco Inc.  
Mr. T. L. Ditmore, Manager, Petroleum Engineering  
P. O. Box 2100  
Denver, Co 80201

Meridian Oil  
Land Department  
P. O. Box 4289  
Farmington, NM 87499

# State of New Mexico



JIM BACA  
COMMISSIONER

## Commissioner of Public Lands

February 7, 1986

P.O. BOX 1148  
SANTA FE, NEW MEXICO 87504-1148  
Express Mail Delivery Uses  
310 Old Santa Fe Trail  
Santa Fe, New Mexico 87501

Northwest Pipeline Corporation  
P. O. Box 8900  
Salt Lake City, Utah 84108-0900

Re: San Juan 32-8 Unit  
San Juan County, New Mexico  
Application for approval for extension  
of time to drill intervening drilling  
block wells

ATTENTION: Mr. Darrell L. Gillen

Gentlemen:

This office is in receipt of your letter dated December 4, 1985, wherein you have requested that an extension of time be given to drill two intervening drilling block wells.

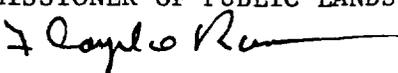
Your application advises that the drilling of Well No. 50 MV, T32N, R8W, Sec. 28: W $\frac{1}{2}$ , created two intervening drilling blocks; Sec. 28: E $\frac{1}{2}$  and Sec. 29: E $\frac{1}{2}$ .

You are hereby granted a two year extension, with the stipulation that drilling commence on these two intervening blocks before the end of the extension. This extension is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management.

Enclosed is an approved copy for your files.

Very truly yours,

JIM BACA  
COMMISSIONER OF PUBLIC LANDS

BY:   
FLOYD O. PRANDO, Assistant Director  
Oil and Gas Division  
AC 505/827-5744

JB/FOP/pm  
encls.

cc: OCD-Santa Fe, New Mexico  
BLM-Albuquerque, New Mexico Attn: Fluids Branch  
BLM-Roswell, New Mexico Attn: Mr. Armando Lopez

**NORTHWEST PIPELINE CORPORATION**  
ONE OF THE WILLIAMS COMPANIES

956-85

LAND DEPARTMENT

January 6, 1986

P.O. BOX 8900  
SALT LAKE CITY, UTAH 84108-0900  
801-584-6669  
801-584-7215

Assistant District Manager, Minerals  
Bureau of Land Management  
Western National Bank Building  
505 Marquette NW, Suite 815  
Albuquerque, NM 87102

#446

State of New Mexico  
Commissioner of Public Lands  
Attn: Mr. Ray D. Graham  
P. O. Box 1148  
Santa Fe, NM 87501

State of New Mexico  
Oil Conservation Division  
Attn: Mr. Richard L. Stamets  
P. O. Box 2088  
Santa Fe, NM 87501

Re: San Juan 32-8 Unit #14-08-001-446  
San Juan County, New Mexico

APPLICATION FOR APPROVAL OF THE  
AMENDED INITIAL EXPANDED  
PARTICIPATING AREA  
Dakota Formation  
Effective February 10, 1982

Gentlemen:

Pursuant to the provisions of Section 11(b) of the San Juan 32-8 Unit Agreement #14-08-001-446, Northwest Pipeline Corporation, as Unit Operator, hereby respectfully requests approval of the Amended Initial Expanded Participating Area for the Dakota Formation. This is predicated upon determination that the following San Juan 32-8 Unit well is capable of producing unitized substances in paying quantities from the Dakota Formation.

In accordance with our telephone conversation with Robert Kent on December 13, 1985, the effective date of this expansion is being shown as the date of the 3-hour State initial potential test, February 10, 1982. This date does not correspond to the "Date of First Production" listed as January 16, 1982

Bureau of Land Management  
Commissioner of Public Lands  
Oil Conservation Division  
January 6, 1986  
Page -2-

on the USGS Completion Report. We interpret the date of first production, as specified in the unit agreement, to mean the date of the first documented production, rather than the earliest date gas was produced during the completion and cleanup of the well.

INITIAL EXPANDED PARTICIPATING AREA - February 10, 1982

<u>Description of Lands</u>	<u>Acres</u>
<u>Township 31 North, Range 8 West, N.M.P.M.</u> Section 21: E/2	320.00

The well data is as follows:

The San Juan 32-8 #11A well is located 1670 feet from the south line and 1100 feet from the east line, section 21, Township 31 north, Range 8 west, N.M.P.M., San Juan County, New Mexico. This well was spudded on November 8, 1981 and is a dually completed well. The Dakota formation was completed on January 19, 1982. This formation was perforated with 21 holes at the following depths:

7886', 7892', 7924', 7928', 7932', 7944', 7974',  
7978', 7982', 7986', 7990', 7994', 7998', 8005',  
8010', 8020', 8024', 8034', 8040', 8046', 8052'.

These perforations were treated with 120,120 gallons of water followed by 58,750 pounds of 40/60 sand. This well was tested on February 10, 1982 using a positive choke in a three hour test. The SITP was 2508 psig with a flowing tubing pressure of 162 psig producing at a rate of 2196 MCFD. The calculated AOF was 2308 MCFD.

In support of this application, the following listed Exhibits are made a part thereof:

Exhibit "A"

Ownership maps reflecting the boundaries of the Unit and the Proposed Amended Initial Expansion of the Participating Area of the Dakota Formation within the San Juan 32-8 Unit.

Exhibit "B"

Geological Report on the Amended Initial Expansion of the Participating Area of the Dakota Formation within the San Juan 32-8 Unit.

Bureau of Land Management  
Commissioner of Public Lands  
Oil Conservation Division  
January 6, 1986  
Page -3-

Exhibit "C"

Figure No. 1: San Juan 32-8 Dakota Structure Map  
Figure No. 2: San Juan 32-8 Dakota Isopach Map  
Figure No. 3: Well Log with Formation Tops

Exhibit "D"

Table No. 1: Schedule of San Juan 32-8 Unit Dakota Production

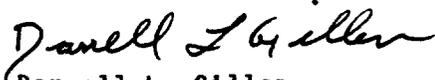
Attached hereto is Schedule I showing the Proposed Amended Initial Expanded Participating Area for the Dakota Formation in the San Juan 32-8 Unit Area. This Schedule describes the Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the percentage of ownership in the tracts.

If this Amended Initial Expansion of the Dakota Participating Area meets with your approval, please indicate such approval in the space provided and return an approved copy for our files.

Copies of this letter and schedule are being sent to the Working Interest Owners as shown on the attached sheet.

Sincerely,

NORTHWEST PIPELINE CORPORATION

  
Darrell L. Gillen  
Land Coordinator

DLG:lm:js  
Enclosures

APPROVED \_\_\_\_\_  
Assistant District Manager, Minerals  
Subject to like approval by the  
Commissioner of Public Lands and the  
Oil Conservation Division

DATE \_\_\_\_\_

Bureau of Land Management  
Commissioner of Public Lands  
Oil Conservation Division  
January 6, 1986  
Page -4-

APPROVED \_\_\_\_\_  
Commissioner of Public Lands  
Subject to like approval by the  
Assistant District Manager, Minerals  
and the Oil Conservation Division

DATE \_\_\_\_\_

APPROVED  \_\_\_\_\_  
Oil Conservation Division  
Subject to like approval by the  
Assistant District Manager, Minerals  
and the Commissioner of Public Lands

DATE 1-21-86

The foregoing approvals for the Amended INITIAL EXPANDED PARTICIPATING AREA  
in the San Juan 32-8 Unit, Dakota Formation.

SAN JUAN 32-8  
WORKING INTEREST OWNERS

Phillips Oil Company  
Attention: T. C. Doughty  
8055 E. Tufts Avenue Parkway  
Denver, CO 80237

Sun Gas Division  
Sun Exploration & Production Company  
Attn: Joint Operations  
P. O. Box 20  
Dallas, TX 75221

Texaco Inc.  
Mr. T. L. Ditmore, Manager, Petroleum Engineering  
P. O. Box 2100  
Denver, Co 80201

Meridian Oil  
Land Department  
P. O. Box 4289  
Farmington, NM 87499

SCHEDULE I  
INITIAL PARTICIPATING AREA FOR THE DAKOTA FORMATION  
SAN JUAN 32-8 UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>DRILLING BLOCK OWNERSHIP</u>	<u>PERCENTAGE</u>	<u>PERCENTAGE COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
<u>TRACT 3</u>						
NM-013364	T-31-N, R-8-W Sec. 21: N/2 NE/4, N/2SE/4, SE/4SE/4	200.00	Royalty	12.500000%	12.500000%	62.500000%
			Working Interest			
			Northwest Pipeline Corp.	82.500000%	82.500000%	
			ORRI	<u>5.000000%</u>	<u>5.000000%</u>	
			Total	<u>100.000000%</u>	<u>100.000000%</u>	
<u>TRACT 7</u>						
SF-079029	T-31-N, R-8-W Sec. 21: S/2NE/4, SW/4SE/4	120.00	Royalty	12.500000%	12.500000%	37.500000%
			Working Interest			
			Phillips Petroleum Co.	82.500000%	82.500000%	
			ORRI	<u>5.000000%</u>	<u>5.000000%</u>	
			Total	<u>100.000000%</u>	<u>100.000000%</u>	

SCHEDULE I  
INITIAL PARTICIPATING AREA FOR THE DAKOTA FORMATION  
SAN JUAN 32-8 UNIT AREA

RECAPITULATION

Description of Lands in Participating Area

Township 31 North, Range 8 West, N.M.P.M.

Section 21: E/2

Total Number of Acres in Participating Area: 320.00

Total Number of Acres Committed in Participating Area: 320.00

**NORTHWEST PIPELINE CORPORATION**  
ONE OF THE WILLIAMS COMPANIES

LAND DEPARTMENT

353-85

P. O. BOX 8900  
SALT LAKE CITY, UTAH 84108-0900  
801-584-6669  
801-584-7215

December 4, 1985

Assistant District Manager, Minerals  
Bureau of Land Management  
Western National Bank Building  
505 Marquette NW, Suite 815  
Albuquerque, NM 87102

State of New Mexico  
Commissioner of Public Lands  
Attn: Mr. Ray D. Graham  
P. O. Box 1148  
Santa Fe, NM 87501

State of New Mexico  
Oil Conservation Division  
Attn: Mr. Richard L. Stamets  
P. O. Box 2088  
Santa Fe, NM 87501

Re: San Juan 32-8 Unit #14-08-001-446  
San Juan County, New Mexico  
Application for Approval for Extension  
of Time to Drill Intervening Drilling  
Block Wells

Gentlemen:

Northwest Pipeline Corporation, as Unit Operator, completed the 1985 Drilling Program as filed. The drilling of well #50 MV, T32N, R8W, Sec. 28: W/2 created two (2) intervening drilling blocks; Sec. 28: E/2 and Sec. 29: E/2.

Because of the decline in the gas market, wells are not being connected as they are completed but are connected when it is cost effective and when there is a market for the gas.

Therefore, Northwest requests that an extension of time be given to drill the intervening drilling block wells. We ask that the extension of time given be that time which would be prudent and cost effective, determined from an evaluation of the gas market, instead of one year from the effective date of the expansion of the participating area.

Assistant Area Oil and Gas Supervisor  
Commissioner of Public Lands  
Oil Conservation Commission  
San Juan 32-8 Unit  
December 4, 1985  
Page -2-

Copies of this letter are being sent to the Working Interest Owners shown on the attached sheet.

Sincerely,

NORTHWEST PIPELINE CORPORATION



Darrell L. Gillen  
Land Coordinator

DLG:js

cc: K. J. Stracke  
W. O. Curtis  
P. C. Thompson

Assistant Area Oil and Gas Supervisor  
Commissioner of Public Lands  
Oil Conservation Commission  
San Juan 32-8 Unit  
December 4, 1985  
Page -3-

APPROVED: \_\_\_\_\_ Date \_\_\_\_\_  
Assistant Area Oil and Gas Supervisor  
Minerals Management Service  
Subject to like approval by the  
Commissioner of Public Lands and  
the Oil Conservation Commission

APPROVED: \_\_\_\_\_ Date \_\_\_\_\_  
Commissioner of Public Lands  
Subject to like approval by the  
Minerals Management Service and  
the Oil Conservation Commission

APPROVED: \_\_\_\_\_ Date \_\_\_\_\_  
Oil Conservation Commission  
Subject to like approval by the  
Minerals Management Service and  
the Commissioner of Public Lands

**SAN JUAN 32-8**  
**WORKING INTEREST OWNERS**

Phillips Oil Company  
Attention: T. C. Doughty  
8055 E. Tufts Avenue Parkway  
Denver, CO 80237

Sun Gas Division  
Sun Exploration & Production Company  
Attn: Joint Operations  
P. O. Box 20  
Dallas, TX 75221

Texaco Inc.  
Mr. T. L. Dittmore, Manager, Petroleum Engineering  
P. O. Box 2100  
Denver, Co 80201

Meridian Oil  
Land Department  
P. O. Box 4289  
Farmington, NM 87499

# State of New Mexico



JIM BACA  
COMMISSIONER



## Commissioner of Public Lands

December 3, 1985

P.O. BOX 1148  
SANTA FE, NEW MEXICO 87504-1148  
Express Mail Delivery Uses:  
310 Old Santa Fe Trail  
Santa Fe, New Mexico 87501

Northwest Pipeline Corporation  
P. O. Box 8900  
Salt Lake City, Utah 84108-0900

Re: San Juan 32-8 Unit  
Notice of Completion of Additional  
San Juan Well No. 49 - Mesaverde Formation

ATTENTION: Ms. LaVerne Mellen

Gentlemen:

This office is in receipt of your letters of July 19, 1985 and November 19, 1985, wherein Northwest Pipeline Corporation as unit operator of the San Juan 32-8 Unit has determined that the San Juan 32-8 Unit Well No. 49 located in Section 15-32N-8W., NMPM, is incapable of producing unitized substances in paying quantities from the Mesaverde Formation. The Commissioner of Public Lands concurs with your determination. Our concurrence is subject to like concurrence by the Bureau of Land Management and the New Mexico Oil Conservation Division.

Enclosed is an approved copy for your files.

If we may be of further help please do not hesitate to call on us.

Very truly yours,

JIM BACA  
COMMISSIONER OF PUBLIC LANDS

BY: *Ray D. Graham*  
RAY D. GRAHAM, Director  
Oil and Gas Division  
AC 505/827-5744

JB/RDG/pm

encls.

cc:  CD-Santa Fe, New Mexico  
 BLM-Albuquerque, New Mexico Attn: Fluids Branch  
 BLM-Roswell, New Mexico Attn: Mr. Armando Lopez

State of New Mexico

#446



Commissioner of Public Lands

August 13, 1985

JIM BACA  
COMMISSIONER

P.O. BOX 1148  
SANTA FE, NEW MEXICO 87504-1148

Express Mail Delivery Use:  
310 Old Santa Fe Trail  
Santa Fe, New Mexico 87501

Northwest Pipeline Corporation  
P. O. Box 1526  
Salt Lake City, Utah 84110-1526

Re: San Juan 32-8 Unit  
San Juan County, New Mexico  
Notice of Completion of  
A Non-Commercial Well Dakota Formation

ATTENTION: Mr. Darrell L. Gillen

Gentlemen:

This office is in receipt of your letter dated April 12, 1985, wherein as Unit Operator of the San Juan 32-8 Unit Area, you have determined that the San Juan 32-8 #12A Well is not capable of producing unitized substances in paying quantities from the Dakota formation.

The Commissioner of Public Lands has this date concurred with your Non-Commercial Well Determination of the Well No. 12A. This action is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management.

Enclosed is an approved copy for your files.

Very truly yours,

JIM BACA  
COMMISSIONER OF PUBLIC LANDS

BY: *Ray D. Graham*  
RAY D. GRAHAM, Director  
Oil and Gas Division  
AC 505/827-5744

JB/RDG/pm  
encls.

cc: OCD-Santa Fe, New Mexico  
OGAD-Santa Fe, New Mexico  
BLM-Albuquerque, New Mexico  
BLM-Roswell, New Mexico



TONEY ANAYA  
GOVERNOR

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

July 23, 1985

50 YEARS



1935 - 1985

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-5800

Northwest Pipeline Corporation  
P. O. Box 1526  
Salt Lake City, Utah 84110-1526

Attention: Darrell L. Gillen

Re: San Juan 32-8 Unit #14-08-001-446  
San Juan County, New Mexico  
Notice of Completion of Additional  
Well, Mesaverde Formation

Gentlemen:

The above-referenced submittal has been approved by the New Mexico Oil Conservation Division effective this date. Such approval is contingent upon like approval by the New Mexico Commissioner of Public Lands and the Bureau of Land Management.

Sincerely,

ROY E. JOHNSON,  
Senior Petroleum Geologist

REJ/dr

cc: Commissioner of Public Lands - Santa Fe  
Bureau of Land Management - Albuquerque  
OCD District Office - Aztec

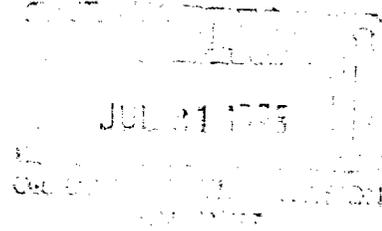
**NORTHWEST PIPELINE CORPORATION**  
ONE OF THE WILLIAMS COMPANIES

P.O. BOX 1528  
SALT LAKE CITY, UTAH 84110-1528  
801-583-8800

353-85

July 16, 1985

Assistant District Manager, Minerals  
Bureau of Land Management  
Western National Bank Building  
505 Marquette NW, Suite 815  
Albuquerque, NM 87102



State of New Mexico  
Commissioner of Public Lands  
Attn: Mr. Ray D. Graham  
P. O. Box 1148  
Santa Fe, NM 87501

State of New Mexico  
Oil Conservation Division  
Attn: Mr. Richard L. Stamets  
P. O. Box 2088  
Santa Fe, NM 87501

Re: San Juan 32-8 Unit #14-08-001-446  
San Juan County, New Mexico  
NOTICE OF COMPLETION OF  
ADDITIONAL WELL  
MESAVERDE FORMATION

Gentlemen:

Pursuant to the provisions of Section 11(a) of the San Juan 32-8 Unit Agreement Northwest Pipeline Corporation, as Unit Operator, has determined that the following described well, which has been completed within the Mesaverde Formation Participating Area, is incapable of producing unitized substances in paying quantities.

The well data is as follows:

The San Juan 32-8 Unit #49 Well is located 810 feet from the north line and 810 feet from the east line, Section 15, Township 32 North, Range 8 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on November 4, 1982. The Mesaverde Formation was completed on November 28, 1982, with a dual completion in the Pictured Cliffs Formation. The Mesaverde Formation was perforated with 20 holes at the following depths:

Bureau of Land Management  
Commissioner of Public Lands  
Oil Conservation Division  
July 16, 1985  
Page -2-

6029', 6034', 6038', 6082', 6234', 6240', 6246', 6253', 6258', 6264',  
6268', 6280', 6286', 6294', 6302', 6310', 6316', 6322', 6338', 6342'.

These perforations were treated with 60,890 gallons pad water followed by 70,000 pounds of 20/40 sand. The well was tested on Dec. 9, 1982 using a positive choke in a three hour test. The well was tested at a 1296 MCFD flow rate with a calculated AOF of 1328 MCFD. The ISIP was measured at 1173 psig.

Since this well was drilled within the existing Mesaverde Formation Participating Area, the Participating Area is not affected by virtue of this non-commercial well and the percentages of participation remain the same.

If this determination meets with your approval, please so indicate such approval in the space provided and return an approved copy for our files. Copies of this letter are being sent to the Working Interest Owners shown on the attached sheet.

Very truly yours,

NORTHWEST PIPELINE CORPORATION

  
Darrell L. Gillen  
Land Coordinator

DLG:js

cc: Working Interest Owners

Bureau of Land Management  
Commissioner of Public Lands  
Oil Conservation Division  
July 16, 1985  
Page -3-

APPROVED \_\_\_\_\_  
Assistant District Manager, Minerals  
Bureau of Land Management  
Subject to like approval by the  
Commissioner of Public Lands and the  
Oil Conservation Division

DATE \_\_\_\_\_

APPROVED \_\_\_\_\_  
Commissioner of Public Lands  
Subject to like approval by the  
Area Oil and Gas Supervisor and the  
Oil Conservation Division

DATE \_\_\_\_\_

APPROVED  \_\_\_\_\_  
Oil Conservation Division  
Subject to like approval by the  
Area Oil and Gas Supervisor and the  
Commissioner of Public Lands

DATE 7-23-85

**SAN JUAN 32-8**  
**WORKING INTEREST OWNERS**

Phillips Oil Company  
Attention: T. C. Doughty  
8055 E. Tufts Avenue Parkway  
Denver, CO 80237

Sun Gas Division  
Sun Exploration & Production Company  
Attn: Joint Operations  
P. O. Box 20  
Dallas, TX 75221

Texaco Inc.  
Mr. T. L. Dittmore, Manager, Petroleum Engineering  
P. O. Box 2100  
Denver, Co 80201

Meridian Oil  
Land Department  
P. O. Box 4289  
Farmington, NM 87499

**NORTHWEST PIPELINE CORPORATION**  
ONE OF THE WILLIAMS COMPANIES

LAND DEPARTMENT

353-85

P.O. BOX 1526  
SALT LAKE CITY, UTAH 84110-1526  
801-584-7215

May 23, 1985

Assistant District Manager, Minerals  
Bureau of Land Management  
Western National Bank Building  
505 Marquette NW, Suite 815  
Albuquerque, NM 87102

State of New Mexico  
Commissioner of Public Lands  
Attn: Mr. Ray D. Graham  
P. O. Box 1148  
Santa Fe, NM 87501

State of New Mexico  
Oil Conservation Division  
Attn: Mr. Richard L. Stamets  
P. O. Box 2088  
Santa Fe, NM 87501

Re: San Juan 32-8 Unit #14-08-001-446  
San Juan County, New Mexico  
NOTICE OF COMPLETION OF  
ADDITIONAL WELL  
MESAVERDE FORMATION

Gentlemen:

Pursuant to the provisions of Section 11(a) of the San Juan 32-8 Unit Agreement Northwest Pipeline Corporation, as Unit Operator, has determined that the following described well, which has been completed within the Mesaverde Formation Participating Area, is incapable of producing unitized substances in paying quantities.

The well data is as follows:

The San Juan 32-8 Unit #49 Well is located 810 feet from the north line and 810 feet from the east line, Section 15, Township 32 North, Range 8 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on November 4, 1982. The Pictured Cliffs Formation was completed on November 25, 1982, with a dual completion in the Mesaverde Formation. The Pictured Cliffs Formation was perforated with 11 holes at the following depths:

Handwritten signature and initials: *[Signature]* 4/4/86

Bureau of Land Management  
Commissioner of Public Lands  
Oil Conservation Commission  
May 23, 1985  
Page -2-

3884', 3890', 3896', 3902', 3908', 3914',  
3920', 3926', 3932', 3938', 3944'

These perforations were treated with 78,450 gallons pad water followed by 60,000 pounds of 10/20 sand. The well was tested on December 16, 1982, using a positive choke in a three hour test. The well was tested at a 3435 MCFD flow rate with a calculated AOF of 6401 MCFD. The ISIP was measured at 1491 psig.

Since this well was drilled within the existing Mesaverde Formation Participating Area, the Participating Area is not affected by virtue of this non-commercial well and the percentages of participation remain the same.

If this determination meets with your approval, please so indicate such approval in the space provided and return an approved copy for our files. Copies of this letter are being sent to the Working Interest Owners shown on the attached sheet.

Very truly yours,

NORTHWEST PIPELINE CORPORATION

  
Darrell L. Gillen  
Land Coordinator

DLG:js

cc: Working Interest Owners

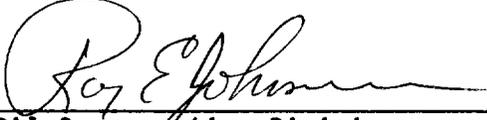
Bureau of Land Management  
Commissioner of Public Lands  
Oil Conservation Commission  
May 23, 1985  
Page -3-

APPROVED \_\_\_\_\_  
Assistant District Manager, Minerals  
Bureau of Land Management  
Subject to like approval by the  
Commissioner of Public Lands and the  
Oil Conservation Commission

DATE \_\_\_\_\_

APPROVED \_\_\_\_\_  
Commissioner of Public Lands  
Subject to like approval by the  
Area Oil and Gas Supervisor and the  
Oil Conservation Commission

DATE \_\_\_\_\_

APPROVED  \_\_\_\_\_  
Oil Conservation Division  
Subject to like approval by the  
Area Oil and Gas Supervisor and the  
Commissioner of Public Lands

DATE 6-10-85

Bureau of Land Management  
Albuquerque District Office  
Minerals Division  
P.O. Box 6770  
Albuquerque, NM 87197-6770

3100 (015)  
SJ 32-8 Unit

MAY 14 1985

*Handwritten initials: H46*

Northwest Pipeline Corporation  
Attention: Darrell L. Gillen  
P.O. Box 1526  
Salt Lake City, Utah 84110-1526

Gentlemen:

Two approved copies of your 1985 Plan of Development for the San Juan 32-8 Unit area, San Juan County, New Mexico are enclosed. Such plan, proposing to drill one Mesaverde well during 1985, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

The possibility might exist of drainage by wells outside of the unit boundary. You will be contacted at a later date about this possibility.

If you have any questions, please contact Robert Kent at the above address or telephone (505) 766-2841.

Sincerely yours,

(Orig. Signed) - Sid Vogelpohl

For District Manager

Enclosure(s)

~~cc~~  
NMOC, Santa Fe  
Comm. of Pub. Lands, Santa Fe  
Micrographics 943B-1  
Fluids Section FRAH  
File: San Juan 32-8 Unit POD  
O&G Chron

015:RKent:tt:5/2/85:0677M



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

TONY ANAYA  
GOVERNOR

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-5800

May 13, 1985

#446

Northwest Pipeline Corporation  
P.O. Box 1526  
Salt Lake City, Utah 84110-1526

Attention: Darrell L. Gillen

Re: San Juan 32-8 Unit  
#14-08-001-446  
San Juan County, NM  
NOTICE OF COMPLETION  
OF A NON-COMMERCIAL  
WELL IN THE DAKOTA  
FORMATION

Dear Mr. Gillen:

The above referenced submittal has been approved by the New Mexico Oil Conservation Division effective this date. Such approval is contingent upon like approval by the New Mexico Commissioner of Public Lands and the Bureau of Land Management.

Sincerely,

ROY E. JOHNSON  
Senior Petroleum Geologist

REJ/dp

cc: Commissioner of Public Lands - Santa Fe  
Bureau of Land Management - Albuquerque  
OCD District Office - Aztec

**NORTHWEST PIPELINE CORPORATION**  
ONE OF THE WILLIAMS COMPANIES

LAND DEPARTMENT

5140-215-84/26720

P.O. BOX 1526  
SALT LAKE CITY, UTAH 84110 1526  
801-584-7215

April 12, 1985

Assistant Area Oil and Gas Supervisor  
Bureau of Land Management  
Western National Bank Building  
505 Marquette NW, Suite 815  
Albuquerque, NM 87102

State of New Mexico  
Commissioner of Public Lands  
Attention: Mr. Ray D. Graham  
P. O. Box 1148  
Santa Fe, NM 87501

State of New Mexico  
Oil Conservation Commission  
Attention: Mr. Richard L. Stamets  
P. O. Box 2088  
Santa Fe, NM 87501

Re: San Juan 32-8 Unit #14-08-001-446  
San Juan County, New Mexico  
NOTICE OF COMPLETION OF  
A NON-COMMERCIAL WELL  
IN THE DAKOTA FORMATION

Gentlemen:

Pursuant to the provisions of Section 11(a) of the San Juan 32-8 Unit Agreement, Northwest Pipeline Corporation, as Unit Operator, has determined that the following described well is not capable of producing unitized substances in paying quantities from the Dakota formation.

The San Juan 32-8 #12A Well is located 1820 feet from the north line and 790 feet from the west line, Section 21, Township 31 North, Range 8 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on February 11, 1981. The Dakota formation was completed on June 17, 1981 with a dual completion in the Mesaverde formation completed on June 26, 1981. The Dakota formation was perforated with 21 holes at the following depths:

7890' to 8106'

Assistant Area Oil and Gas Supervisor  
Commissioner of Public Lands  
Oil Conservation Commission  
Page 2  
April 12, 1985

These perforations were treated with 36,700 gallons pad water followed by 45,000 pounds of 20/40 sand in fracturing fluid. The formation was initially tested on June 17, 1981, with a positive choke in a three hour test. The SITP was 1922 psig with a flowing pressure of 87 psig producing at a rate of 1235 MCFD. The calculated AOF was 1268 MCFD.

If this determination meets with your approval, please so indicate such approval in the space provided and return an approved copy for our files. Copies of this letter are being sent to the Working Interest Owners shown on the attached sheet.

Very truly yours, ✓



Darrell L. Gillen  
Land Coordinator

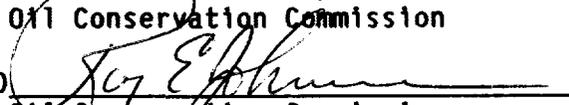
js  
cc: Working Interest Owners

APPROVED \_\_\_\_\_  
Area Oil and Gas Supervisor  
Bureau of Land Management  
Subject to like approval by the  
Commissioner of Public Lands and the  
Oil Conservation Commission

DATE \_\_\_\_\_

APPROVED \_\_\_\_\_  
Commissioner of Public Lands  
Subject to like approval by the  
Area Oil and Gas Supervisor and the  
Oil Conservation Commission

DATE \_\_\_\_\_

APPROVED  \_\_\_\_\_  
Oil Conservation Commission  
Subject to like approval by the  
Area Oil and Gas Supervisor and the  
Commissioner of Public Lands

DATE 5-13-85

SAN JUAN 32-8  
WORKING INTEREST OWNERS

Texaco Inc.  
Mr. T. L. Ditmore, Manager, Petroleum Engineering  
P. O. Box 2100  
Denver, CO 80201

Sun Production Division  
Campbell Centre II  
P. O. Box 2880  
Dallas, TX 75221

El Paso Exploration Company  
Attention: Mr. James R. Permenter  
P. O. Box 1492  
El Paso, TX 79978

Phillips Petroleum Company  
Attention: Bruce A. Bowman  
8055 E. Tufts Avenue Parkway  
Denver, CO 80237

50 YEARS



TONEY ANAYA  
GOVERNOR

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION



1935 - 1985

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-5800

April 9, 1985

Northwest Pipeline Corporation  
P.O. Box 1526  
Salt Lake City, Utah 84110-1526

Attention: Darrell L. Gillen

Re: San Juan 32-8 Unit No.  
14-08-001-446  
San Juan County, NM,  
1985 Drilling Program

Dear Mr. Gillen:

Enclosed please find an approved copy of the material referenced above. Such approval is contingent upon like approval by the Commissioner of Public Lands and the Bureau of Land Management.

Sincerely,

A handwritten signature in cursive script that reads "Roy E. Johnson".

ROY E. JOHNSON  
Senior Petroleum Geologist

REJ/dp

cc: Commissioner of Public Lands - Santa Fe  
Bureau of Land Management - Albuquerque  
OCD District Office - Aztec

446

**NORTHWEST PIPELINE CORPORATION**  
ONE OF THE WILLIAMS COMPANIES 

LAND DEPARTMENT

P.O. BOX 1526  
SALT LAKE CITY, UTAH 84110-1526  
801-584-7215

241-85

March 29, 1985

Assistant Area Oil and Gas Supervisor  
Bureau of Land Management  
Western National Bank Building  
505 Marquette NW, Suite 815  
Albuquerque, NM 87102

State of New Mexico  
Commissioner of Public Lands  
Attn: Mr. Ray D. Graham  
P. O. Box 1148  
Santa Fe, NM 87501

State of New Mexico  
Oil Conservation Commission  
Attn: Richard L. Stamets  
P. O. Box 2088  
Santa Fe, NM 87501

Re: San Juan 32-8 Unit #14-08-001-446  
San Juan County, New Mexico  
1985 Drilling Program

Gentlemen:

By letter dated April 12, 1984, Northwest Pipeline Corporation, as Unit Operator, filed a Drilling Program for the captioned Unit providing for the drilling of no wells.

As of this date, the total number of wells drilled in the San Juan 32-8 Unit on acreage committed to the unit is as follows:

Fruitland, commercial	3
Fruitland, commerciality undetermined	1
Pictured Cliffs/Mesaverde, commercial	1
Pictured Cliffs/Mesaverde, Mesaverde commerciality undetermined	3
Mesaverde, commercial	31
Mesaverde, commerciality undetermined	2
Mesaverde, non-commercial	2

Assistant Area Oil and Gas Supervisor  
Commissioner of Public Lands  
Oil Conservation Commission  
San Juan 32-8 Unit  
March 29, 1985  
Page -2-

Mesaverde, plugged and abandoned	2
Mesaverde/Dakota Dual, commercial	1
Mesaverde/Dakota, Dual, non-commercial	1
Dakota, commerciality undetermined	<u>1</u>
Total	48

Pursuant to Section 10 of the San Juan 32-8 Unit Agreement, Northwest Pipeline Corporation, as Unit Operator has contacted all of the Working Interest Owners and has received the necessary concurrence to propose the drilling of the following additional well during the calendar year 1985.

<u>Well Name</u>	<u>Location</u>	<u>Formation</u>
#50	W/2 Section 28, T32N, R8W	Mesaverde

Northwest Pipeline Corporation, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or the Working Interest Owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to Northwest Pipeline Corporation.

Copies of this Drilling Program are being sent to the Working Interest Owners as shown on the attached sheet.

Very truly yours,

NORTHWEST PIPELINE CORPORATION

*D. L. Gillen / js*  
Darrell L. Gillen  
Land Coordinator

DLG:js

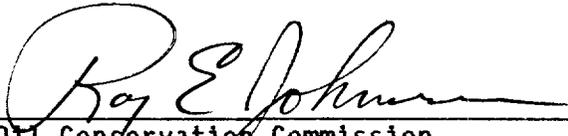
Attachment

cc: Working Interest Owners

Assistant Area Oil and Gas Supervisor  
Commissioner of Public Lands  
Oil Conservation Commission  
San Juan 32-8 Unit  
March 29, 1985  
Page -3-

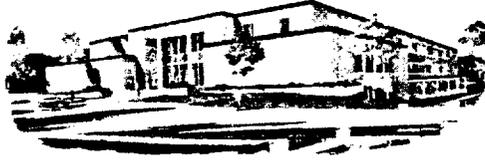
APPROVED: \_\_\_\_\_ Date \_\_\_\_\_  
Assistant Area Oil and Gas Supervisor  
Minerals Management Service  
Subject to like approval by the  
Commissioner of Public Lands and  
the Oil Conservation Commission

APPROVED: \_\_\_\_\_ Date \_\_\_\_\_  
Commissioner of Public Lands  
Subject to like approval by the  
Minerals Management Service and  
the Oil Conservation Commission

APPROVED:  \_\_\_\_\_ Date 4-9-85  
Oil Conservation Commission  
Subject to like approval by the  
Minerals Management Service and  
the Commissioner of Public Lands

The foregoing approvals are for the 1985 Drilling Program for the San Juan  
32-8 #14-08-001-446.

# State of New Mexico



JIM BACA  
COMMISSIONER

## Commissioner of Public Lands

March 15, 1985

P.O. BOX 1148  
SANTA FE, NEW MEXICO 87504-1148  
Express Mail Delivery Uses  
310 Old Santa Fe Trail  
Santa Fe, New Mexico 87501

Northwest Pipeline Corp.  
P. O. Box 1526  
Salt Lake City, Utah 84110-1526

Re: San Juan 32-8 Unit  
San Juan County, New Mexico  
APPLICATION FOR APPROVAL OF THE  
FIRST EXPANDED PARTICIPATING AREA  
Pictured Cliffs Formation  
Effective January 1, 1983

ATTENTION: Mr. Darrell L. Gillen

Gentlemen:

This office is in receipt of the First revision to the Pictured Cliffs Participating Area, for the San Juan 32-8 Unit, San Juan County, New Mexico. The effective date is January 1, 1983.

Inasmuch as this needs no official approval we have this date filed this information in our unit file.

Enclosed is a copy reflecting the date received in this office.

Very truly yours,

JIM BACA  
COMMISSIONER OF PUBLIC LANDS

BY: *Ray D. Graham*  
RAY D. GRAHAM, Director  
Oil and Gas Division  
AC 505/827-5744

JB/RDG/pm  
encls.

cc: OCD-Santa Fe, New Mexico  
BLM-Albuquerque, New Mexico  
BLM-Roswell, New Mexico

**NORTHWEST PIPELINE CORPORATION**   
ONE OF THE WILLIAMS COMPANIES

P.O. BOX 1526  
SALT LAKE CITY, UTAH 84110-1526  
801-583-8800

#444e

5140-219-84/2672Q

December 19, 1984

Re: San Juan 32-8 Unit #14-08-001-446  
San Juan County, New Mexico  
APPLICATION FOR APPROVAL OF THE  
FIRST EXPANDED PARTICIPATING AREA  
Pictured Cliffs Formation  
Effective January 1, 1983

Assistant Area Oil and Gas Supervisor  
Bureau of Land Management  
Western National Bank Building  
505 Marquette NW, Suite 815  
Albuquerque, NM 87102

State of New Mexico  
Commissioner of Public Lands  
Attention: Mr. Ray D. Graham  
P. O. Box 1148  
Santa Fe, NM 87501

State of New Mexico  
Oil Conservation Commission  
Attention: Mr. Richard L. Stamets  
P. O. Box 2088  
Santa Fe, NM 87501

Gentlemen:

Pursuant to Section 11(a) of the San Juan 32-8 Unit Agreement, Northwest Pipeline Corporation, as Unit Operator, determined on the date indicated below that the following well, which is capable of producing unitized substances in paying quantities from the Pictured Cliffs Formation, has been completed upon a drilling block committed to this Unit:

FIRST EXPANDED PARTICIPATING AREA - Effective January 1, 1983

<u>Description of Lands</u>	<u>Acres</u>	<u>Well Name</u>
<u>Township 30 North, Range 5 West</u> Section 15: E/2	320.00	San Juan 32-8 Unit No. 49

Assistant Area Oil and Gas Supervisor  
Commissioner of Public Lands  
Oil Conservation Commission  
Page 2  
December 19, 1984

The well data is as follows:

The San Juan 32-8 Unit #49 Well is located 810 feet from the north line and 810 feet from the east line, Section 15, Township 32 North, Range 8 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on November 4, 1982. The Pictured Cliffs Formation was completed on November 25, 1982, with a dual completion in the Mesaverde Formation. The Pictured Cliffs Formation was perforated with 11 holes at the following depths:

3884', 3890', 3896', 3902', 3908', 3914',  
3920', 3926', 3932', 3938', 3944'

These perforations were treated with 78,450 gallons pad water followed by 60,000 pounds of 10/20 sand. The well was tested on December 16, 1982, using a positive choke in a three hour test. The well was tested at a 3435 MCFD flow rate with a calculated AOF of 6401 MCFD. The ISIP was measured at 1491 psig.

Attached are Schedule II and Ownership Map showing the First Expanded Participating Area for the Pictured Cliffs Formation of the San Juan 32-8 Unit Area. This Schedule describes the Participating Area and shows the percentage of unitized substances allocated to each unitized tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this First Expanded Participating Area will become effective January 1, 1983.

Copies of this letter, schedule and map are being sent to the Working Interest Owners shown on the attached sheet.

Very truly yours,

  
Darrell L. Gillen  
Proration/Land

jawc  
Attachments

cc: Working Interest Owners

SCHEDULE II  
 FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION  
 SAN JUAN 32-8 UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>DRILLING BLOCK OWNERSHIP</u>	<u>PERCENTAGE</u>	<u>PERCENTAGE COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
<u>TRACT 14</u>						
SF-079353	<u>T-32-N, R-8-W</u> Sec. 14: N/2 Sec. 15: NE/4	480.00	Royalty Working Interest Northwest Pipeline Corp. ORRI Total	12.500000%  82.500000% 5.000000% <u>100.000000%</u>	12.500000%  82.500000% 5.000000% <u>100.000000%</u>	50.000000%
<u>TRACT 15</u>						
SF-079380	<u>T-32-N, R-8-W</u> Sec. 14: S/2 Sec. 15: SE/4	480.00	Royalty Working Interest El Paso Natural Gas ORRI Total	12.500000%  82.500000% 5.000000% <u>100.000000%</u>	12.500000%  82.500000% 5.000000% <u>100.000000%</u>	50.000000%

Effective January 1, 1983

SCHEDULE II  
FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION  
SAN JUAN 32-8 UNIT AREA

RECAPITULATION

Township 32 North, Range 8 West

Section 14: All	640.00
Section 15: E/2	320.00

Total Number of Acres in Participating Area	960.00
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Total Number of Acres Committed to Participating Area	960.00
---	--------

Effective January 1, 1983

**SAN JUAN 32-8 UNIT**  
**WORKING INTEREST OWNERS**

Phillips Oil Company  
Attn: T. C. Doughty  
8055 E. Tufts Avenue Parkway  
Denver, Colorado 80237

Getty Oil Company  
Attn: Mr. T. L. Ditmore  
Three Park Central - Suite 700  
Denver, Colorado 80202

Sun Gas Division  
Sun Exploration & Production Company  
Attn: Joint Operations  
P. O. Box 20  
Dallas, Texas 75221

Texaco, Inc.  
P. O. Box 2100  
Denver, Colorado 80201

El Paso Exploration Company  
Attn: Land Department  
P. O. Box 4289  
Farmington, NM 87499-4289

Phillips Petroleum Company  
Attn: T. C. Doughty  
8055 E. Tufts Avenue Parkway  
Denver, Colorado 80237