

NORTHWEST PIPELINE CORPORATION

ONE PARK CENTRAL, SUITE 1487  
DENVER, COLORADO 80202  
(303) 623-9303

September 6, 1977

F 12 1977

Mr. Carl C. Traywick  
Assistant Oil and Gas Supervisor  
United States Geological Survey  
Post Office Drawer 1857  
Roswell, New Mexico 88201

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

Oil Conservation Commission  
State of New Mexico  
Attention: Mr. Joe Ramey  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Re: San Juan 29-5 Unit #14-08-001-437  
NOTICE OF COMPLETION OF  
ADDITIONAL MESAVERDE WELLS

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 29-5 Unit Agreement, approved November 21, 1952, Northwest Pipeline Corporation, as Unit Operator, has determined that the following wells capable of producing unitized substances in paying quantities have been completed upon acreage committed to the Unit:

The San Juan Unit No. 4A Well is located 870 feet from the North Line and 1450 feet from the West Line, Section 6 Township 29 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on July 3, 1977 and completed on July 13, 1977 in the Mesaverde Formation at a plug back depth of 5766'. The Mesaverde Formation was perforated with one hole at each of the following depths: 5382', 5388', 5400', 5408', 5431', 5436', 5452', 5463', 5478', 5486', 5502', 5506', 5525', 5629', 5672', 5677', 5692', 5696', 5700', 5721', 5736', 5748', 5755', 5763', and 5767'. These perforations were treated with 7-1/2% hydrochloric acid followed by a sand-water fracturing. The well was shut-in July 13, 1977, for eleven (11) days with a SIPT of 724 psig and SIPC of 724 psig. On July 24, 1977, the well was tested and after flowing for three (3) hours through a 48/64 inch variable choke on the 2-3/8 inch tubing, the well gauged 5546 MCFD with a calculated AOF of 10346 MCFD.

The San Juan Unit No. 7A Well is located 1700 feet from the South Line and 810 feet from the East Line, Section 7, Township 29 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on June 25, 1977 and completed on July 3, 1977 in the Mesaverde Formation at a plug back depth of 5771'. The Mesaverde Formation was perforated with one hole at each of the following depths: 5354', 5362', 5434', 5442', 5450', 5458', 5482', 5490', 5516', 5522', 5530', 5608', 5616', 5628', 5672', 5678', 5684', 5690', 5698', 5708', 5716', 5728', 5736', 5744', and 5752'. These perforations were treated with 7-1/2% hydrochloric acid followed by a sand-water fracturing. The well was shut-in July 3, 1977, for eleven (11) days with a SIPT of 627 psig and SIPC of 725 psig. On July 14, 1977, the well was tested and after flowing for three (3) hours through a 48/64 inch variable choke on the 2-3/8 inch tubing, the well gauged 3659 MCFD with a calculated AOF of 6081 MCFD.

The San Juan Unit No. 17A Well is located 850 feet from the South Line and 1100 feet from the East Line, Section 5, Township 29 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on May 29, 1977 and completed on June 7, 1977 in the Mesaverde Formation at a plug back depth of 6000'. The Mesaverde Formation was perforated with one hole at each of the following depths: 5582', 5588', 5594', 5600', 5609', 5657', 5661', 5669', 5728', 5810', 5816', 5822', 5827', 5893', 5898', 5902', 5912', 5923', 5929', 5935', 5945', 5955', 5961', 5970', and 5977'. These perforations were treated with 7-1/2% hydrochloric acid followed by a sand-water fracturing. The well was shut-in June 7, 1977, for ten (10) days with a SIPT of 640 psig and SIPC of 697 psig. On June 17, 1977, the well was tested and after flowing for three (3) hours through a 48/64 inch variable choke on the 2-3/8 inch tubing, the well gauged 4583 MCFD with a calculated AOF of 7277 MCFD.

The San Juan Unit No. 18A Well is located 1810 feet from the North Line and 1850 feet from the West Line, Section 5, Township 29 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on May 1, 1977 and completed on May 10, 1977 in the Mesaverde Formation at a plug back depth of 6058'. The Mesaverde Formation was perforated with one hole at each of the following depths: 5578', 5586', 5592', 5598', 5604', 5610', 5630', 5658', 5664', 5674', 5726', 5766', 5854', 5896', 5902', 5908', 5920', 5926', 5932', 5938', 5944', 5958', 5964', 5970', and 5976'. These perforations were treated with 7-1/2% hydrochloric acid followed by a sand-water fracturing. The well was shut-in May 10, 1977, for thirteen (13) days

with a SIPT of 576 psig and SIPC of 679 psig. On May 23, 1977, the well was tested and after flowing for three (3) hours through a 48/64 inch variable choke on the 2-3/8 inch tubing, the well gauged 4438 MCFD with a calculated AOF of 6763 MCFD.

The San Juan Unit No. 19A Well is located 790 feet from the South Line and 1190 feet from the East Line, Section 6, Township 29 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on May 11, 1977 and completed on May 20, 1977 in the Mesaverde Formation at a plug back depth of 5854'. The Mesaverde Formation was perforated with one hole at each of the following depths: 5404', 5410', 5416', 5422', 5456', 5508', 5514', 5538', 5545', 5613', 5630', 5636', 5646', 5720', 5726', 5732', 5740', 5746', 5756', 5762', 5768', 5778', 5784', 5794', and 5800'. These perforations were treated with 7-1/2% hydrochloric acid followed by a sand-water fracturing. The well was shut-in May 20, 1977, for eleven (11) days with a SIPT of 545 psig and SIPC of 678 psig. On May 31, 1977, the well was tested and after flowing for three (3) hours through a 48/64 inch variable choke on the 2-3/8 inch tubing, the well gauged 4001 MCFD with a calculated AOF of 7685 MCFD.

The San Juan Unit No. 20A Well is located 1850 feet from the North Line and 1850 feet from the West Line, Section 7, Township 29 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on May 20, 1977 and completed on May 29, 1977 in the Mesaverde Formation at a plug back depth of 5744'. The Mesaverde Formation was perforated with one hole at each of the following depths: 5310', 5316', 5324', 5334', 5362', 5368', 5442', 5448', 5514', 5538', 5564', 5572', 5580', 5586', 5626', 5634', 5644', 5652', 5662', 5668', 5674', 5681', 5692', 5708', and 5714'. These perforations were treated with 7-1/2% hydrochloric acid followed by a sand-water fracturing. The well was shut-in May 29, 1977, for ten (10) days with a SIPT of 634 psig and SIPC of 768 psig. On June 8, 1977, the well was tested and after flowing for three (3) hours through a 48/64 inch variable choke on the 2-3/8 inch tubing, the well gauged 4206 MCFD with a calculated AOF of 9290 MCFD.

The San Juan Unit No. 21A Well is located 800 feet from the South Line and 1460 feet from the East Line, Section 8, Township 29 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on June 16, 1977 and completed on June 25, 1977 in the Mesaverde Formation at a plug back depth of 5904'. The Mesaverde Formation

U.S. Geological Survey  
Commissioner of Public Lands  
Oil Conservation Commission  
September 6, 1977  
page four

was perforated with one hole at each of the following depths: 5492', 5498', 5506', 5514', 5564', 5584', 5592', 5636', 5646', 5656', 5710', 5718', 5726', 5734', 5797', 5806', 5814', 5822', 5830', 5838', 5842', 5850', 5860', 5866', and 5872'. These perforations were treated with 7-1/2% hydrochloric acid followed by a sand-water fracturing. The well was shut-in June 25, 1977, for seven (7) days with a SIPT of 546 psig and SIPC of 647 psig. On July 1, 1977, the well was tested and after flowing for three (3) hours through a 48/64 inch variable choke on the 2-3/8 inch tubing, the well gauged 2865 MCFD with a calculated AOF of 4322 MCFD.

The San Juan Unit No. 22A Well is located 1500 feet from the North Line and 1460 feet from the West Line, Section 8, Township 29 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on June 7, 1977 and completed on June 16, 1977 in the Mesaverde Formation at a plug back depth of 5851'. The Mesaverde Formation was perforated with one hole at each of the following depths: 5440', 5446', 5454', 5536', 5544', 5552', 5568', 5576', 5584', 5666', 5672', 5704', 5716', 5752', 5760', 5766', 5772', 5778', 5784', 5794', 5802', 5810', 5816', 5824', and 5830'. These perforations were treated with 7-1/2% hydrochloric acid followed by a sand-water fracturing. The well was shut-in June 16, 1977 for eight (8) days with a SIPT of 614 psig and SIPC of 678 psig. On June 24, 1977, the well was tested and after flowing for three (3) hours through a 48/64 inch variable choke on the 2-3/8 inch tubing, the well gauged 4237 MCFD with a calculated AOF of 8043 MCFD.

Since these wells were drilled within the existing Mesaverde Participating Area, the Participating Area is not enlarged by virtue of these infill wells, and the percentage of participation remains the same.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Sincerely,

NORTHWEST PIPELINE CORPORATION

  
Betty R. Burnett

Supervisor of Contracts and Units

BRB:me  
Attachment

SAN JUAN 29-5 UNIT

Working Interest Owners

Sun Oil Company  
Attention: V. M. Williams  
P. O. Box 2880  
Dallas, TX 75221

Phillips Petroleum Company  
Attention: Mr. N. N. Beckner  
1000 Security Life Building  
Denver, CO 80202

Mr. Forrest B. Miller and  
Mabelle M. Miller  
1224 Lois Street  
P. O. Box 1445  
Kerrville, TX 78028

Koch Industries, Inc.  
P. O. Box 2256  
Wichita, KS 67201

General American Oil Company  
of Texas  
Attention: Mr. L. E. Dooley  
Meadows Building  
Dallas, TX 75206

Amoco Production Company  
Attention: Mr. T. M. Curtis  
Security Life Building  
Denver, CO 80202

The Wiser Oil Company  
P. O. Box 2467  
Hobbs, NM 88240

Mr. J. William McElvain  
310 East Jefferson Street  
Morris, IL 60450

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

Mr. James E. McElvain, Executor for  
the Estate of Carl R. McElvain, Deceased  
309 West Jefferson Street  
Morris, IL 60450

Mrs. Catherine B. McElvain,  
Individually and as Executrix of the  
Estate of T. H. McElvain, Deceased  
P. O. Box 2148  
Santa Fe, NM 87501

Mr. Tom Bolack  
1010 North Dustin Drive  
Farmington, NM 87401

American Petrofina Company of Texas  
P. O. Box 2159  
Dallas, TX 75221

Ruth M. Vaughan  
300 Caversham Road  
Bryn Mawr, PN 19010

NORTHWEST PIPELINE CORPORATION

ONE PARK CENTRAL, SUITE 1487  
DENVER, COLORADO 80202  
(303) 623-9303

August 16, 1976

United States Geological Survey  
Acting Area Oil and Gas Supervisor  
Mr. Carl C. Traywick  
Post Office Drawer 1857  
Roswell, New Mexico 88201

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

Oil Conservation Commission ✓  
State of New Mexico  
Attention: Mr. Joe Ramey  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Gentlemen:


Re: San Juan 29-5 Unit #14-08-001-437  
Rio Arriba County, New Mexico  
Eighth, Ninth, Tenth, and Amended  
Eleventh Expansions of the Dakota  
Participating Area

Please be advised that the captioned Expansions of the Dakota Participating Area have been approved as follows:

	<u>8th, 9th, 10th</u>	<u>Amended 11th</u>
Oil Conservation Commission	March 18, 1976	July 13, 1976
Commissioner of Public Lands	March 19, 1976	June 28, 1976
U. S. Geological Survey	August 11, 1976	August 11, 1976

Copies of this letter are being sent to the working interest owners as shown on the attached list.

Very truly yours,

  
Betty R. Burnett  
Supervisor of Contracts and Units

BRB/sjm  
attach.

cc: Working Interest Owners



# United States Department of the Interior

GEOLOGICAL SURVEY  
Western Bank Bldg.  
Suite 1608, 16th Floor  
505 Marquette, N.W.  
Albuquerque, New Mexico 87102

Northwest Pipeline Corporation  
Attention: Mr. John W. Shepardson  
One Park Central  
Suite 1487  
Denver, Colorado 80202

Gentlemen:

Your original application of February 26, 1976, supplemented and corrected by letters dated June 22, 1976, and July 2, 1976, in regard to requesting approval of the eighth, ninth, tenth and eleventh revisions of the Dakota participating area for the San Juan 29-5 unit agreement, Rio Arriba County, New Mexico, No. 14-08-001-437, was approved on this date by the Area Oil and Gas Supervisor, U. S. Geological Survey, effective as of April 1, 1975, May 1, 1975, June 1, 1975, and July 1, 1975, respectively.

The revised eighth revision adds 320.00 acres described as the E $\frac{1}{2}$  sec. 28, T. 29 N., R. 5 W., N.M.P.M., which enlarges the Dakota participating area to 5,920.00 acres and is based on the completion of unit well No. 70 located in the NE $\frac{1}{4}$  said sec. 28 as a paying well under the terms of the unit agreement. Such well was completed April 6, 1975, for an initial calculated open flow potential of 3,226 MCF of gas per day from the Dakota interval 7,912 to 8,008 feet.

The ninth revision adds 320.00 acres described as the E $\frac{1}{2}$  sec. 21, T. 29 N., R. 5 W., N.M.P.M., which enlarges the Dakota participating area to 6,240.00 acres. Such revision is based on the completion of unit well No. 69 in the SE $\frac{1}{4}$  of said sec. 21, as a paying well pursuant to the terms of the unit agreement. Unit well No. 69 was completed on May 2, 1975, for an initial calculated open flow potential of 4,348 MCF of gas per day from the Dakota interval 7,992 to 8,808 feet.

The tenth revision adds 320.00 acres described as the W $\frac{1}{2}$  sec. 22, T. 29 N., R. 5 W., N.M.P.M., which enlarges the Dakota participating area to 6,560.00 acres. Such revision is based on the completion of unit well No. 75 in the SW $\frac{1}{4}$  of said sec. 22, as a paying well pursuant to the terms of the agreement. Unit well No. 75 was completed on May 24, 1975, for an initial calculated open flow potential of 4,741 MCF of gas per day from the Dakota interval 7,970 to 8,050 feet.

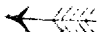
The eleventh revision adds 960.00 acres described as the W $\frac{1}{2}$  sec. 26, and all of sec. 27, T. 29 N., R. 5 W., N.M.P.M., which enlarges the Dakota participating area to 7,520.00 acres. Such revision is based on the completion of unit well No. 77 in the SW $\frac{1}{4}$  of said sec. 26, as a paying well pursuant to the terms of the unit agreement. Unit well No. 77 was completed July 2, 1975, for an initial calculated open flow potential of 4,857 MCF of gas per day from the Dakota interval 8,448 to 8,514 feet.

Copies of the approved application are being distributed to the appropriate Federal offices and one approved copy is returned herewith. You are requested to furnish the State of New Mexico and all other interested parties with appropriate evidences of this approval.

Sincerely yours,

Orig. Signed - JAMES W. SUTHERLAND

JAMES W. SUTHERLAND  
Area Oil and Gas Supervisor

cc: Durango (w/cy Appln.)  
BLM, Santa Fe (ltr. only)  
NMOCC, Santa Fe (ltr. only)  This Copy for  
Com. Pub. Lands, Santa Fe (ltr. only)

RD Lindau:js: (8-3-76)






# OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO  
P. O. BOX 2088 - SANTA FE  
87501

DIRECTOR  
JOE D. RAMEY

LAND COMMISSIONER  
PHIL R. LUCERO



STATE GEOLOGIST  
EMERY C. ARNOLD

July 13, 1976

Northwest Pipeline Corporation  
One Park Central, Suite 1487  
Denver, Colorado 80202

Attention: Mr. John W. Shepardson

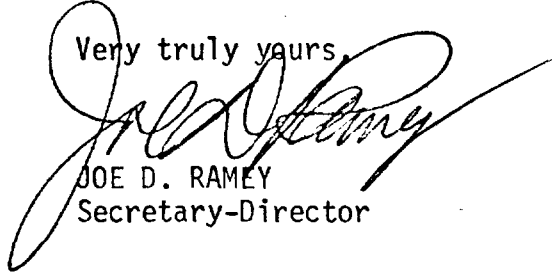
Re: Eleventh Expanded Dakota  
Participating Area, San Juan  
29-5 Unit, Rio Arriba  
County, New Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the amended Eleventh Expanded Participating Area for the Dakota Formation for the San Juan 29-5 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

Two approved copies of the application are returned herewith.

Very truly yours,



JOE D. RAMEY  
Secretary-Director

JDR/JEK/og

cc: United States Geological Survey  
Roswell, New Mexico

Commissioner of Public Lands  
Santa Fe, New Mexico



PHIL R. LUCERO  
COMMISSIONER

# State of New Mexico



## Commissioner of Public Lands

June 28, 1976

418  
TELEPHONE  
505-827-2748

P. O. BOX 1148  
SANTA FE, NEW MEXICO 87501

Northwest Pipeline Corporation  
One Park Central, Suite 1487  
Denver, Colorado 80202

Re: San Juan 29-5 Unit  
Rio Arriba County, New Mexico  
APPLICATION FOR THE APPROVAL OF THE  
ELEVENTH EXPANDED PARTICIPATING AREA  
Dakota Formation  
Effective July 1, 1975

ATTENTION: John W. Shepardson

Gentlemen:

The Commissioner of Public Lands has this date approved your amended Eleventh Expanded Participating Area for the Dakota Formation, for the San Juan 29-5 Unit, Rio Arriba County, New Mexico. Your Amended application for the Eleventh Expanded Participating Area includes the W/2 of Section 26 and All of Section 27 in Township 29 North, Range 5 West.

This approval is subject to like approval by the United States Geological Survey and the New Mexico Oil Conservation Commission.

Enclosed is one approved copy for your files.

Very truly yours,

PHIL R. LUCERO  
COMMISSIONER OF PUBLIC LANDS

BY:  
RAY D. GRAHAM, Director  
Oil and Gas Division

PRL/RDG/s  
encl.

cc: USGS-Roswell, New Mexico  
OCC- Santa Fe, New Mexico

NORTHWEST PIPELINE CORPORATION

ONE PARK CENTRAL, SUITE 1487  
DENVER, COLORADO 80202  
(303) 623-9303

June 22, 1976

Mr. Carl C. Traywick  
Acting Area Oil and Gas Supervisor  
United States Geological Survey  
Post Office Drawer 1857  
Roswell, New Mexico 88201

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

Oil Conservation Commission  
State of New Mexico  
Attention: Mr. Joe Ramey  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Re: San Juan 29-5 Unit #14-08-001-437  
Rio Arriba County, New Mexico  
APPLICATION FOR THE APPROVAL OF THE  
ELEVENTH EXPANDED PARTICIPATING AREA  
Dakota Formation  
Effective July 1, 1975

Gentlemen:

On February 27, 1976, we forwarded to you Application for Approval of the Eighth, Ninth, Tenth, and Eleventh Expanded Participating Areas of the Dakota formation of the San Juan 29-5 Unit.

The Eighth, Ninth, Tenth, and Eleventh Expanded Participating Areas were approved by the Commissioner of Public Lands on March 19, 1976, and by the Oil Conservation Commission on March 18, 1976. We were, however, notified by the United States Geological Survey on April 1, 1976, that their review of the Eleventh Expanded Participating Area indicates that Section 27, Township 29 North, Range 5 West, has been geologically proven by this expansion and, therefore, should be included. Our original application was to include only the W/2 of Section 26, Township 29 North, Range 5 West in the Eleventh Expanded Participating Area.

We have amended the Eleventh Expansion to include all of Section 27; and pursuant to the provisions of Section 11 (b) of the San Juan 29-5 Unit Agreement #14-08-001-437, approved

Acting Area Oil and Gas Supervisor  
Commissioner of Public Lands  
Oil Conservation Commission  
June 22, 1976  
Page 2

November 21, 1952, Northwest Pipeline Corporation, as Unit Operator, hereby respectfully requests approval of the amended Eleventh Expanded Participating Area for the Dakota formation, to wit:

ELEVENTH EXPANDED PARTICIPATING AREA -- Effective July 1, 1975

<u>Description of Lands</u>	<u>Acres</u>
<u>Township 29 North, Range 5 West, N.M.P.M.</u>	
Section 26: W/2	
Section 27: All	960.00

This proposed Eleventh Revision of the Total Participating Area for the Dakota formation is predicated upon the determination by Northwest Pipeline Corporation, as Unit Operator, that the following San Juan 29-5 Unit Dakota well which was completed outside the limits of the existing Dakota Participating Area, is capable of producing unitized substances in paying quantities from the Dakota formation. This well is as follows:

The San Juan 29-5 Unit No. 77 well is located 1450' from the South Line and 1100' from the West Line, Section 26, Township 29 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on June 15, 1975, and completed on July 2, 1975, in the Dakota formation at a plug back total depth of 8535'. The Dakota formation was perforated at 8448'-8514'. These perforations were treated with 7 1/2% hydrochloric acid, followed by a sand-water fracturing. The well was shut-in for seven (7) days with a SIPT of 2017 psig and a SIPC of 2591 psig. On July 18, 1975, the well was tested and after flowing for three (3) hours through a 3/4-inch variable choke on the 2 3/8-inch tubing, the well gauged 3652 MCFD with a calculated AOF of 4857 MCFD.

In support of this amended application of the Eleventh Expanded Participating Area, the following listed Exhibits are made a part hereof:

EXHIBIT "A"

Ownership maps reflecting the boundaries of the unit and the proposed Eighth, Ninth, and Tenth and amended Eleventh Expansions of the Participating Area of the Dakota formation within the San Juan 29-5 Unit.

Acting Area Oil and Gas Supervisor  
Commissioner of Public Lands  
Oil Conservation Commission  
June 22, 1976  
Page 3

EXHIBIT "B"

Geological Report on the Eighth, Ninth, Tenth, and Eleventh Expansions of the Participating Area of the Dakota formation within the San Juan 29-5 Unit. This Geological Report has been revised to include all of Section 27 in the Eleventh Expansion.

EXHIBIT "C"

Figure No. 1: San Juan 29-5 Unit Dakota Structure Map.  
Figure No. 2: San Juan 29-5 Unit Dakota Isopach Map.

EXHIBIT "D"

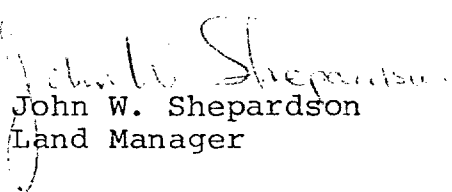
Schedule of San Juan 29-5 Unit Dakota production.

Attached hereto is Schedule XII showing the proposed Eleventh Expanded Participating Area for the Dakota formation in the San Juan 29-5 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 the Eighth, Ninth, and Tenth Expanded Participating Areas of the Dakota formation as previously submitted and the Amended Eleventh Expanded Participating Area of the Dakota formation attached hereto meet with your approval, please indicate such approval in the space provided on the attached sheet and return an approved copy hereof for our files.

Copies of this letter and the Schedule are being sent to the working interest owners shown on the attached sheet.

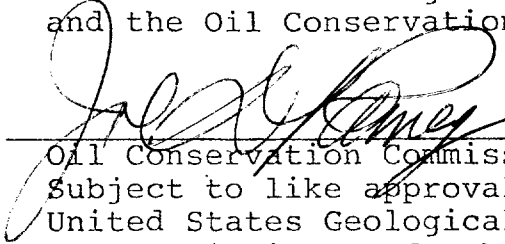
Very truly yours,

  
John W. Shepardson  
Land Manager

BRB:cak  
Enclosures  
cc: Working Interest Owners

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Area Oil and Gas Supervisor  
United States Geological Survey  
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  
United States Geological Survey  
and the Oil Conservation Commission

APPROVED:  DATE: July 13, 1976  
Oil Conservation Commission  
Subject to like approval by the  
United States Geological Survey and  
The Commissioner of Public Lands

The foregoing approvals are for the San Juan 29-5 Unit #14-08-001-437, Rio Arriba County, New Mexico, Eighth, Ninth, and Tenth Expanded Participating Areas submitted on February 26, 1976, and the amended Eleventh Expanded Participating Area submitted on June 22, 1976.

SAN JUAN 29-5 UNIT

Working Interest Owners

Sun Oil Company  
Attention: V. M. Williams  
P. O. Box 2880  
Dallas, TX 75221

Phillips Petroleum Company  
Attention: Mr. N. N. Beckner  
1000 Security Life Building  
Denver, CO 80202

Mr. Forrest B. Miller and  
Mabelle M. Miller  
1224 Lois Street  
P. O. Box 1445  
Kerrville, TX 78028

Koch Industries, Inc.  
P. O. Box 2256  
Wichita, KS 67201

General American Oil Company  
of Texas  
Attention: Mr. L. E. Dooley  
Meadows Building  
Dallas, TX 75206

Amoco Production Company  
Attention: Mr. T. M. Curtis  
Security Life Building  
Denver, CO 80202

The Wiser Oil Company  
P. O. Box 2467  
Hobbs, NM 88240

Mr. J. William McElvain  
310 East Jefferson Street  
Morris, IL 60450

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

Mr. James E. McElvain, Executor for  
the Estate of Carl R. McElvain, Deceased  
309 West Jefferson Street  
Morris, IL 60450

Mrs. Catherine B. McElvain,  
Individually and as Executrix of the  
Estate of T. H. McElvain, Deceased  
P. O. Box 2148  
Santa Fe, NM 87501

Mr. Tom Bolack  
1010 North Dustin Drive  
Farmington, NM 87401

American Petrofina Company of Texas  
P. O. Box 2159  
Dallas, TX 75221

Ruth M. Vaughan  
300 Caversham Road  
Bryn Mawr, PN 19010