



Commissioner of Public Lands August 17, 1977

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

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

Re: San Juan 32-7 Unit
San Juan County, New Mexico
Supplemental 1977 Drilling Program

ATTENTION: Ms. Botty Burnett

Gentlemen:

The Commissioner of Public Lands has this date approved your Supplemental 1977 Drilling Program for the San Juan 32-7 Unit, San Juan County, New Mexico. Your plan proposes the drilling of four non-unit Mesaverde wells by Palmer Oil and Gas Company on two nonstandard prorstion units involving unit lands. This approval is subject to like approval by the United States Geological Survey and the New Mexico Oil Commission.

Enclosed is one approved copy for your files.

Your Three (\$3.00) Dollar filing fee has been received.

Very truly yours.

PHIL R. LUCERO COMMISSIONER OF PUBLIC LANDS

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

PRL/RDG/e encls.

cci

USGS-Roswell, New Mexico USGS-Albuquerque, New Mexico OCG- Santa Pe, New Mexico



United States Department of the Interior

GEOLOGICAL SURVEY

P. O. Eox 26124
Albuqueraue, New Mexico 87125

1/16 1/20

1 2 AUG 1977

Northwest Pipeline Corporation Attention: Ms. Betty Burnett One Park Central, Suite 1487 Denver, Colorado 80202

AUG 16 1977

CIL CONSERVATION COMMI

dentlemen:

The San Juan 32-7 unit agreement, San Juan County, New Mexico, is emclosed. Such plan proposing the drilling of four non-unit desaverde wells by Palmer Dil and Gas Company on two nonstandard proration units involving unit lands was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

(ORIG. SGD.) GENE F. DANIEL

ACTINGArea Oil and Gas Supervisor

Enclosure

Com. Pub. Bands, Santa Fe (1tr. only)



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NORTHWEST PIPELINE CORPORATION

August 2, 1977

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

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 32-7 Unit #14-08-001-441
San Juan County, New Mexico
Supplemental 1977 Drilling Program

Mr. 420

Gentlemen:

By letter dated March 1, 1977, Northwest Pipeline Corporation, as Unit Operator, filed a drilling program for the San Juan 32-7 Unit for the calendar year 1977 providing for the drilling of one Pictured Cliffs well.

On February 8, 1977, the New Mexico Conservation Commission approved Palmer Oil & Gas Company's application for non-standard proration units in Township 31 North, Range 7 West, San Juan County, New Mexico. As a result, Palmer plans to drill four (4) Mesaverde wells on proration units which will include a portion of San Juan 32-7 Unit acreage. Pursuant to Section 10 of the San Juan 32-7 Unit Agreement, Northwest has contacted all of the working interest owners and has received the necessary concurrence to propose the drilling of the following additional wells during the calendar year 1977:

Well Name and Number	Proration Unit	Unit Acreage and Percentage	Formation
Yager #1	W/2 SE/4 & E/2 SW/4 Sec 3, NW/4 Sec 10 31N-7W	NW/4 SE/4 Sec 3 - 12.5%	Mesaverde

U.S. Geological Survey Commissioner of Public Lands Oil Conservation Commission August 2, 1977 page two

Well Name and Number	Proration Unit	Unit Acreage and Percentage	Formation
Yager #1-A	W/2 SE/4 & E/2 SW/4 Sec 3, NW/4 Sec 10 31N-7W	NW/4 SE/4 Sec 3 - 12.5%	Mesaverde
Federal #2	W/2 SW/4 Sec 2, E/2 SE/4 Sec 3, NE/4 Sec 10-31N-7W	•	Mesaverde
Yager - Federal #2-A	W/2 SW/4 Sec 2, E/2 SE/4 Sec 3, NE/4 Sec 10-31N-7W	NE/4 SE/4 Sec 3 - 12.5%	Mesaverde

All of these wells will be located on non-unit lands and operated by Palmer Oil & Gas Company. In the event the wells are capable of production in commercial quantities, the Mesaverde Participating Area will be expanded as to the unit lands within the proration units.

Northwest, 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 supplemental 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 one approved copy to this office.

Copies of this supplemental drilling program are being sent to the working interest owners as shown on the attached.

Sincerely,

Betty R. Burnett

Supervisor of Contracts and Units

BRB:me

Attachments

cc: Working Interest Owners

SAN JUAN 32-7 UNIT Working Interest Owners

Mr. J. Glenn Turner, Jr.
Independent Co-Executor of the
Estate of J. Glenn Turner, Deceased
1700 Mercantile Bank Building
Dallas, Texas 75206

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

El Paso Natural Gas Company Attention: Mr. James R. Permenter Post Office Box 1492 El Paso, Texas 79978

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

Mrs. Iris Gerber Damson 25 Mamaroneck Road Scarsdale, New York 10583

Amoco Production Company Attention: Mr. T. M. Curtis 1000 Security Life Building Denver, Colorado 80202

Mr. Edward Gerber
Post Office Box 234
Gracie Station
New York, New York 10028

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
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APPROVED:	DATE: 1/8/77
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/	/United States Geological Survey and
ν	The Commissioner of Public Lands

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NORTHWEST PIPELINE CORPORATION

July 7, 1977

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

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 32-7 Unit #14-08-001-441
NOTICE OF COMPLETION OF
ADDITIONAL MESAVERDE WELLS

Gentlemen:

Pursuant to Section 11(a) of the San Juan 32-7 Unit Agreement, 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. 24 Com Well is located 1480 feet from the South Line and 960 feet from the West Line, Section 21, Township 32 North, Range 7 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on November 1, 1976 and completed on November 24, 1976 in the Mesaverde Formation at a plug back depth of 5690'. The Mesaverde Formation was perforated with one hole at each of the following depths: 5338', 5344', 5348', 5370', 5378', 5386', 5392', 5453', 5460', 5468', 5476', 5492', 5498', 5560', 5568', 5574', 5581', 5588', 5596', 5602', 5607', 5637', 5666'. These perforations were treated with 7½% HCL followed by a sand-water fracturing. The well was shut-in November 14, 1976 for 9 days with a SIPT of 891 psig and SIPC of 1177 psig. On November 24, 1976, the well was tested and after flowing for three (3) hours through a 3/4" variable choke on the 2-3/8" tubing, the well gauged 4433 MCFD with a calculated AOF of 5072 MCFD.

U.S. Geological Survey Commissioner of Public Lands Oil Conservation Commission July 7, 1977 page two

> The San Juan Unit No. 32 Well is located 880 feet from the South Line and 1460 feet from the West Line, Section 22, Township 32 North, Range 7 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on October 17, 1976 and completed on November 9, 1976 in the Mesaverde Formation at a plug back depth of 5898'. The Mesaverde Formation was perforated with one hole at each of the following depths: 5438', 5484', 5490', 5580', 5590', 5647', 5657', 5667', 5692', 5748', 5756', 5766', 5782', 5792', 5800', 5810'. These perforations were treated with $7\frac{1}{2}$ % HCL followed by a sand-water fracturing. The well was shut-in November 1, 1976 for 9 days with a SIPT of 1064 psig and SIPC of 1100 psig. On November 9, 1976, the well was tested and after flowing for three (3) hours through a 3/4" variable choke on the 2-3/8" tubing, the well gauged 4002 MCFD with a calculated AOF of 4522 MCFD.

Since these wells were drilled on intervening drilling blocks, the Mesaverde Participating Area is not enlarged and the percentage of participation remains the same.

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

Sincerely,

Betty Billings

Supervisor of Contracts and Units

BRB:me

Attachment

cc: Working Interest Owners

SAN JUAN 32-7 UNIT Working Interest Owners

Mr. J. Glenn Turner, Jr.
Independent Co-Executor of the
Estate of J. Glenn Turner, Deceased
1700 Mercantile Bank Building
Dallas, Texas 75206

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

El Paso Natural Gas Company Attention: Mr. James R. Permenter Post Office Box 1492 El Paso, Texas 79978

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

Mrs. Iris Gerber Damson 25 Mamaroneck Road Scarsdale, New York 10583

Amoco Production Company Attention: Mr. T. M. Curtis 1000 Security Life Building Denver, Colorado 80202

Mr. Edward Gerber
Post Office Box 234
Gracie Station
New York, New York 10028

NORTHWEST PIPELINE CORPORATION

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

April 4, 1977

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

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

Oil Conservation Commission Attention: Mr. Joe Ramey P.O. Box 2088 Santa Fe, New Mexico 87501

> Re: San Juan 32-7 Unit #14-08-001-441 San Juan County, New Mexico 1977 Drilling Program

Gentlemen:

This is to advise you that the 1977 Drilling Program for the San Juan 32-7 Unit was approved by the regulatory agencies on the following dates:

Commissioner of Public Lands March 4, 1977 U.S. Geological Survey March 14, 1977 Oil Conservation Commission March 30, 1977

Copies of this letter are being sent to all working interest owners in the San Juan 32-7 Unit.

Sincerely,

Betty R. Burnett

Supervisor of Contracts and Units

BRB:me

cc: Working Interest Owners

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

March 30, 1977

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

Attention: Mr. John W. Shepardson

Re: 1977 Drilling Program

San Juan 32-7 Unit

San Juan County, New Mexico

420

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Drilling Program for the calendar year 1977 providing for the drilling of one Pictured Cliffs well for the San Juan 32-7 Unit, San Juan 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 program are returned herewith.

Very truly yours,

JOE D. RAMEY Secretary-Director

JDR/JEK/og

cc: Commissioner of Public Lands Land Office Building Santa Fe, New Mexico

> U. S. Geological Survey Roswell, New Mexico

OIL COMSERVATION COMMISSION B. O. BOX 2088 SANTA FE. NEW MOXICO 89501

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Northwest Pineline Corporation (as Park Cantral, Culte 14: South Category Culte 14: South Category Category)

Attention: "r. John ". There rison

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Two approved adoles of the program are returned herewith.

Very truly yours,

JON D. LANNY Scoretany-Nimeston

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United States Department of the Interior

GEOLOGICAL SURVEY Conservation Division Western Bank Building 505 Marquette, NN, Room 815 Albuquerque, New Mexico 87102

March 14, 1977

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

Gentlemen:

One approved copy of your 1976 Report of Past Operations and 1977 Plan of Development for the San Juan 32-7 unit area, San Juan County, New Mexico, is enclosed. Such plan, proposing the drilling of one Pictured Cliffs well on lands not currently in a Pictured Cliffs participating area was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

JAMES W. SUTHERLAND Area 011 and Gas Supervisor

Gig. Signed - IAMES N. D. TOTA . A.

NMOCC, Santa Fe (1tr. only)
Com. Pub. Lands, Santa Fe

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NORTHWEST PIPELINE CORPORATION

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

March 1, 1977

Or Course Are

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

Gentlemen:

Re: San Juan 32-7 Unit #14-08-001-441
San Juan County, New Mexico
1977 Drilling Program

By letter dated August 19, 1976, Northwest Pipeline Corporation, Unit Operator, filed a drilling program for the captioned unit for the calendar year 1976 providing for the drilling of two Mesaverde wells. San Juan 32-7 Unit Well No. 32 and Com Well No. 24 were timely drilled and completed.

As of this date, the total number of wells drilled in the San Juan 32-7 Unit on acreage committed to the unit is as follows:

Fruitland, Commercial	2
Pictured Cliffs, Plugged and Abandoned	1
Mesaverde, Commercial	21
Mesaverde, Non-Commercial	1
Mesaverde, Plugged and Abandoned	2
Mesaverde-Dakota Dual:	
Commercial	1
Plugged Back to Mesaverde	1
Non-Commercial in Dakota	2
Dakota, Commercial	4
TOTAL	35

Assistant Oil and Gas Supervisor Commissioner of Public Lands Oil Conservation Commission March 1, 1977 Page 2

Pursuant to Section 10 of the San Juan 32-7 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 well during the calendar year 1977:

Well No.	Drilling Block	<u>Formation</u>
45	W/2 Sec. 35, T32N-R7W	Pictured Cliffs

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,

phn W. Shepardson

Land Manager

JWS: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: 1/ Larch 30, 1977

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 32-7 Unit #14-08-001-441, San Juan County, New Mexico, 1977 Drilling Program.

SAN JUAN 32-7 UNIT Working Interest Owners

Mr. J. Glenn Turner, Jr.
Independent Co-Executor of the
Estate of J. Glenn Turner, Deceased
1700 Mercantile Bank Building
Dallas, Texas 75206

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

El Paso Natural Gas Company Attention: Mr. James R. Permenter Post Office Box 1492 El Paso, Texas 79978

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

Mrs. Iris Gerber Damson 25 Mamaroneck Road Scarsdale, New York 10583

Amoco Production Company Attention: Mr. T. M. Curtis 1000 Security Life Building Denver, Colorado 80202

Mr. Edward Gerber
Post Office Box 234
Gracie Station
New York, New York 10028

NORTHWEST PIPELINE CORPORATION

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

November 15, 1976

Mr. Carl C. Traywick Assistant Oil and Gas Supervisor United States Geological Survey Post Office Box 1357 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 32-7 Unit #14-08-001-441 San Juan County, New Mexico

1976 Drilling Program

Gentlemen:

This is to advise that the 1976 Drilling Program for the San Juan 32-7 Unit was approved by the regulatory agencies on the following dates:

Commissioner of Public Lands -- August 24, 1976
Oil Conservation Commission -- September 8, 1976
United States Geological Survey -- November 12, 1976

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

Very truly yours,

Betty R. Burnett

Supervisor of Contracts and Units

BRB:cak
Attachment

cc: Working Interest Owners



United States Department of the Interior

GEOLOGICAL SURVEY
Conservation Division
Western National Bank Building
505 Marquette, NW, Suite 815
Albuquerque, New Mexico 87102

NOV 12 1975

Northwest Pipeline Corporation
Attention: Ms. Betty R. Burnett
Suite 1487, One Park Central
Denver, Colorado 80202

Gentlemen:

One approved copy of your 1976 plan of development for the San Juan 32-7 unit area, San Juan County, New Mexico, is enclosed. Such plan, proposing the drilling of two Mesaverde wells on intervening drilling blocks was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours.

(ORIG. 550.) JAMES W. SUTUSTILLED

Area 011 and Gas Supervisor

CC:
Durango (w/cy plan)
NMOCC, Santa Fe (ltr. only)
Com. Pub. Lands, Santa Fe (ltr. only)

JAGillham:dlk:11/11/76



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OIL CONSERVATION COMMISSION

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

LAND COMMISSIONER PHIL R. LUCERO



STATE GEOLOGIST EMERY C. ARNOLD

September 8, 1976

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

Attention: Betty R. Burnett

Re: 1976 Drilling Program

San Juan 32-7 Unit,

San Juan County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Drilling Program for the calendar year 1976 providing for the drilling of two Mesaverde wells for the San Juan 32-7 Unit, San Juan 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 program are returned herewith.

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D.

Secretary-Director

JDR/JEK/oq

cc: U. S. Geological Survey - Roswell Commissioner of Public Lands - Santa Fe

NORTHWEST PIPELINE CORPORATION

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

August 19, 1976

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 ALG 23 1971

ELECTRICATION COLLETTINGS SEEDED.

Re: San Juan 32-7 Unit #14-08-001-441
San Juan County, New Mexico
1976 Drilling Program

Gentlemen:

By letter dated February 10, 1975, Northwest Pipeline Corporation, as Unit Operator, filed a drilling program for the calendar year 1975 providing for the drilling of one well, San Juan 32-7 Unit well No. 42. On August 26, 1975, Northwest Pipeline Corporation, as Unit Operator, filed a supplemental drilling program providing for the drilling of two additional wells during the calendar year 1975; namely, San Juan 32-7 Unit wells No. 29 and 30. Well No. 42 was not drilled during 1975, and Phillips Petroleum Company has advised us that they do not wish to carry this well over into the 1976 Drilling Program. Wells No. 29 and 30 were timely drilled and completed on acreage located outside of the then existing Mesaverde Participating Area and, therefore, created the Seventeenth Expansion of the Mesaverde Participating Area.

With the completion of the above-described wells, the total number of wells drilled in the San Juan 32-7 Unit is as follows:

Assistant Oil and Gas Supervisor Commissioner of Public Lands Oil Conservation Commission August 19, 1975 Page 2

Fruitland, Commercial	2
Pictured Cliffs, Plugged and Abandoned	1
Mesaverde, Commercial	19
Mesaverde, Non-Commercial	1
Mesaverde, Plugged and Abandoned	2
Mesaverde-Dakota Dual:	
Commercial	1
Plugged Back to Mesaverde	1
Non-Commercial in Dakota	2
Dakota, Commercial	4
TOTAL	33

Northwest Pipeline Corporation, pursuant to Section 10 of the San Juan 32-7 Unit Agreement, has contacted all of the working interest owners and has received the necessary concurrence to propose the drilling of the following wells during the calendar year 1976:

Well No.	Drilling Block	Formation
#24 Com	W/2 Sec. 21-T32N-R7W	Mesaverde
#32	W/2 Sec. 22-T32N-R7W	Mesaverde

These wells will be drilled on intervening drilling blocks recently brought into the Mesaverde Participating Area by the Seventeenth Expansion of the Mesaverde formation.

In addition to these wells, Northwest Pipeline Corporation, as Unit Operator, will drill any offset wells that may be required to prevent drainage of the unitized substances and any other wells deemed necessary or desirable by the Unit Operator and 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 this office.

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

Very truly yours,

Bety Been at

Betty R. Burnett

Supervisor of Contracts and Units

BRB:cak
Attachments

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:

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 32-7 Unit $\pm 14-08-001-441$, San Juan County, New Mexico, 1976 Drilling Program.

Working Interest Owners

J. Glenn Turner, Jr., Independent Co-Executor of Estate of J. Glenn Turner, Deceased 1700 Mercantile Bank Building Dallas, TX 75206

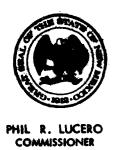
General American Oil Company of Texas Attention: Mr. L. E. Dooley Meadows Building Dallas, TX 75206

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

Phillips Petroleum Company Attention: N. N. Beckner 1000 Security Life Building Denver, CO 80202 Mrs. Iris Gerber Damson 25 Mamaroneck Road Scarsdale, NY 10583

Amoco Production Company Attention: Mr. T. M. Curtis 1000 Security Life Building Denver, CO 80202

Mr. Edward Gerber
P. O. Box 234, Gracie Station
New York, NY 10028

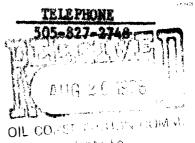


State of New Mexico



Commissioner of Public Lands

August 24, 1976



SANTA FE, NEW MEXICO 87501

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

Re: San Juan 32-7 Unit

San Juan County, New Mexico

1976 DRILLING PROGRAM

ATTENTION: Betty Burnett

Gentlemen:

The Commissioner of Public Lands has this date approved your Drilling Program for the year 1976, for the San Juan 32-y Unit, San Juan County, New Mexico. Your plan proposes the drilling of well No 24 Com and No. 32, Mesaverde Formation.

Enclosed is one approved copy for your files. Please remit a Three (\$3.00) Dollar filing fee.

Very truly yours,

PHIL R. LUCERO COMMISSIONER OF PUBLIC LANDS

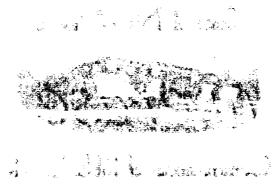
BY: RAY D. GRAHAM, Director Oil and Gas Division

PRL/RDG/s encl.

ec:

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







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OIL CONSERVATION COMMISSION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

June 7, 1976

Atlantic Richfield Company 1860 Lincoln St. - Suite 501 Denver, Colorado 80203

Attention: Mr. W. A. Walther,

Pe: Supplemental 1976 Plan of Development, Horseshoe Gallup Unit, San Juan County, New Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the supplemental plan of development for 1976 providing for the drilling of seven Lower Gallup wells for the Horseshoe-Gallup Unit, San Juan 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.

Three approved copies of the plan are returned herewith.

Very truly yours,

JOF D. RAMEY Secretary-Director

JDR/JEK/og

cc: Commissioner of Public Lands Santa Fe, New Mexico

U. S. Geological Survey Roswell, New Mexico

OIL CONSERVATION COMMISSION P. O. BOX 2088 SANTA FE. NEW MEXICO 87501

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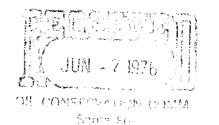
T. S. Medloridak Tupzer.
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AtlanticRichiteldCompany

North American Producing Division Rocky Mountain District 1860 Lincoln St. — Suite 501 Denver, Colorado 80203 Telephone 303 573-4049

W. A. Walther, Jr. Operations Manager

June 4, 1976





Mr. N. O. Frederick (4) Area Oil and Gas Supervisor United States Geological Survey P. O. Drawer 1857 Roswell, New Mexico 88201

Oil Conservation Commission (4) of the State of New Mexico P. O. Box 2088 Santa Fe, New Mexico 87501

Commissioner of Public Lands (3)
The State of New Mexico
State Land Office Building
Santa Fe, New Mexico 87501

All Working Interest Owners (See Attached List)

Re: Supplemental Plan of Development for 1976 Horseshoe - Gallup Unit San Juan County, New Mexico

Gentlemen:

We previously submitted by letter of February 13, 1976, a Plan of Development for 1976 calling for no additional drilling wells that year. At this time we wish to amend that Plan to reflect the proposal to drill seven wells (HGU 291, 292, 293, 294, 295, 296 and 297) to the Lower Gallup zone. Locations of the proposed wells are listed below:

HGU 291: 50' FNL and 50' FEL of NE/4,

Section 23-T31N-R17W

HGU 292: 2474' FSL and 2463' FEL of SE/4.

Section 24-T31N-R17W

HGU 293: 1260' FNL and 1470' FWL of NW/4.

Section 30-T31N-R16W

HGU 294: 1375' FSL and 1325' FEL of SE/4,

Section 30-T31N-R16W

HGU 295: 50' FNL and 50' FEL of NE/4,

Section 31-T31N-R16W

HGU 296: 1350' FSL and 1250' FEL of SE/4,

Section 32-T31N-R16W

HGU 297: 1550' FSL and 1250' FEL of SE/4,

Section 4-T30N-R16W

We respectfully request approval of the Supplemental Plan of Development for 1976.

Very truly yours,

W. A. Walther, Jr.
Operations Manager

LJG/WAW: 1h

Approved June

Approv

WORKING INTEREST OWNERS

HORSESHOE → GALLUP UNIT

Amax Petroleum 900 Town & Country Lane, Suite 400 Houston, Texas 77024

J. Douglas Collister 4203 Avenida LaResolana NE Albuquerque, New Mexico 87110

Continental Oil Company L. P. Thompson Box 460 Hobbs, New Mexico 88240

Richard W. Dammann 380 Madison Avenue New York, New York 10017

EPROC Associates
Box 776
Durango, Colorado 81301
ATTN.: Robert E. Lauth

Helbing & Podpechan Box 549 Claremore, Oklahoma 74017

J. Felix Hickman Box 12307 El Paso, Texas 79912

Mobil Oil Corp. (3)
Box 633
Midland, Texas 79701
ATTN.: John D. Howard

Odessa Natural Corp. Box 3908 Odessa, Texas 79760 ATTN.: John Strojek

V. J. Deaton Reynolds Metals Company Oil and Gas Division P.O. Box 9177 Corpus Christi, Texas 78408

Robert D. Snow 2000 National Bank of Tulsa Bldg. Tulsa, Oklahoma 74103

Sohio Petroleum Company 1100 Penn Tower Oklahoma City, Oklahoma 73118 ATTN.: H. P. Dreher

Mrs. Eleanor F. Spiegel Box 1042 Albuquerque, New Mexico 87103

Tenneco Oil Company 1200 Lincoln Tower Bldg. 1860 Lincoln Street Denver, Colorado 80203 ATTN.: D. D. Myers

Texaco, Inc.
Box 2100
Denver, Colorado 80201
ATTN.: B. J. Willard

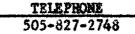
Vack Ventures % Cottle & Cottle 120 South LaSalle Street Chicago, Illinois 60603

V

J. R. Abraham 5517 Willow Lane Dallas, Texas 75230

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State of New Mexico





COMMISSIONER

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Commissioner of Public Lands
April 21, 1976

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

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

Re: San Juan 32-7 Unit

San Juan County, New Mexico

SEVENTEENTH EXPANDED PARTICIPATING

ARKA

Mesaverde Formation

Effective January 1, 1976

ATTENTION: Mr. John W. Shepardson

Gentlemen:

This will acknowledge receipt of your letter dated April 6, 1976, together with the Seventeenth Expanded Participating Area, Mesa Formation for the San Juan 32-7 Unit.

Since this needs no official approval we have this date filed it for record purposes.

We are retaining two copies for our files.

Very truly yours,

PHIL R. LUCERO
COMMISSIONER OF PUBLIC LANDS

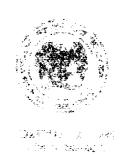
BY: RAY D. GRAHAM, Director Oil and Gas Division

PRL/RDG/s encls.

cc:

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





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Northwest Pipeline Corporation

APR 1 5 1976

OIL CONSERVATION COMM.

Santa Fe



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

April 6, 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

Gentlemen:

Re: San Juan 32-7 Unit #14-08-001-441

San Juan County, New Mexico

SEVENTEENTH EXPANDED PARTICIPATING AREA Mesaverde Formation

Effective January 1, 1976

Pursuant to Section 11 (a) of the San Juan 32-7 Unit Agreement, Northwest Pipeline Corporation, as Unit Operator, determined on the date indicated below that the following wells which are capable of producing unitized substances in paying quantities from the Mesaverde formation have been completed upon a drilling block containing a portion of acreage committed to the unit and that the Participating Area for the Mesaverde should be expanded as follows:

SEVENTEENTH EXPANDED PARTICIPATING AREA -- Effective January 1, 1976

Drilling Block	Acres	Well Name and No.
Section 18: E/2 T-32-N, R-7-W	320.00	San Juan 32-7 #29
Section 21: E/2	320.00	San Juan 32-7 #30

11

Acting Area Oil and Gas Supervisor Commissioner of Public Lands Oil Conservation Commission April 6, 1976 Page 2

Pertinent well data on these wells is as follows:

The San Juan 32-7 Unit No. 30 Well is located 810 feet from the North Line and 1560 feet from the East Line, Section 21, Township 32 North, Range 7 West, N.M.P.M., San Juan County, New Mexico. well was spudded on November 25, 1975, and completed on December 12, 1975, in the Mesaverde Formation at a plug back depth of 5782'. The Mesaverde Formation was perforated with one hole at each of the following depths: 5254', 5304', 5360', 5436', 5442', 5482', 5488', 5502', 5508', 5514', 5582', 5588', 5594', 5600', 5606', 5612', 5632', 5638', 5650', 5656', 5662', 5668', 5674', 5686', 5700', 5706', and 5726'. These perforations were treated with 7 1/2% hydrochloric acid, followed by a sand-water fracturing. The well was shut-in December 12, 1975, for seven (7) days with a SIPT of 1058 psig and a SIPC of 1108 psig. On December 19, 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 2476 MCFD with a calculated AOF of 2805 MCFD.

The San Juan 32-7 Unit No. 29 Well is located 620 feet from the East Line and 720 feet from the North Line, Section 18, Township 32 North, Range 7 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on November 8, 1975, and completed on November 25, 1975, in the Mesaverde Formation at a plug back depth of 5689'. The Mesaverde Formation was perforated with one hole at each of the following depths: 5166', 5174', 5178', 5230', 5236', 5242', 5248', 5284', 5292', 5304', 5376', 5386', 5446', 5452', 5458', 5472', 5476', 5480', 5484', 5488', 5496', 5514', 5534', 5540', 5560', 5566', and 5590'. These perforations were treated with 7 1/2% hydrochloric acid, followed by a sand-water fracturing. The well was shut in November 25, 1975, for seven (7) days with a SIPT of 1185 psig and a SIPC of 1184 psig. On December 2, 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 2879 MCFD with a calculated AOF of 3574 MCFD.

Acting Area Oil and Gas Supervisor Commissioner of Public Lands Oil Conservation Commission April 6, 1976 Page 3

The completion of the San Juan 32-7 Unit No. 30 Well, located in the E/2 of Section 21, Township 32 North, Range 7 West, created two intervening drilling blocks; namely the W/2 of Section 22, Township 32 North, Range 7 West, and the W/2 of Section 21 (excluding the W/2 NW/4 which is automatically eliminated from the unit), Township 32 North, Range 7 West.

Attached are Schedule XIX and ownership map showing the Seventeenth Expanded Participating Area for the Mesaverde Formation of the San Juan 32-7 Unit Area. This Schedule describes the Expanded Participating Area and shows the percentage of unitized substances allocated to each tract. Inasmuch as this needs no official approval, no provision is made therefor; and in the absence of disapproval, the subject expansion will become effective January 1, 1976.

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

Very truly yours,

John W. Shepardson

Land Manager

BRB:cak Attachments

Working Interest Owners

J. Glenn Turner, Jr., Independent Co-Executor of Estate of J. Glenn Turner, Deceased 1700 Mercantile Bank Building Dallas, TX 75206

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

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

Phillips Petroleum Company Attention: N. N. Beckner 1000 Security Life Building Denver, CO 80202 Mrs. Iris Gerber Damson 25 Mamaroneck Road Scarsdale, NY 10583

Amoco Production Company Attention: Mr. T. M. Curtis 1000 Security Life Building Denver, CO 80202

Mr. Edward Gerber P. O. Box 234, Gracie Station New York, NY 10028

SCHEDULE XIX SEVENTEÈNTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION SAN JUAN 32-7 UNIT AREA

SERIAL NUMBER	SER DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTU
SF 078459	T-32-N, R-7-W	00*049	TRACT I			
	Sec. 22: All		Royalty; Working Interest:	12.50%	12.50%	7.678805%
			est Pipeline Corp.;	82.50%	82.50%	
			ORRI; TOTAL	5.00%	5.00%	
SF 078460	T-32-N. R-7-W	1573.10	TRACT 2			
	Sec. 7: Lots 4,5,6 & SEXSUM		Royalty; Working Interest:	12.50%	12.50%	18.874264%
	Sec. 8: SE\SE\Sec. 17: All		Northwest Pipeline Corp.;	82,50%	82.50%	•
	N2, N2SW4, SE4SW4, W2, SE4 FENE	SE'4	TOTAL	100.00%	100.00%	
	h 1 1 2 1		TRACT 3			
SF 078472	T-32-N, R-7-W Sec. 23: SW4 Sec. 27: NW4	560.00	Royalty;	12.50%	12.50%	6.718955%
	NE%		dest Pipeline Corp.;	82.50%	82.50%	
	Sec.29: NEWNY & SEXSWY		ORRI; TOTAL	5.00%	5.00%	
SF 078542	T-32-N, R-7-W	480.00	Royalty;	12,50%	12.50%	5.759104%
	Sec. 28: SE4 Sec. 35: S ²		Working Interest: Northwest Pipeline Corp.; ORRI;	80.00%	80.00%	
	-		LOIAL	100.00%	700.00T	

Effective January 1, 1976

SERIAL NUMBER	SER DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 078543	T-32-N, R-7-W Sec. 27: SW4	480.00	TRACT 6 Royalty;	12.50%	12.50%	5.759104%
	Sec. 35: N ¹ ₂		Working Interest: Northwest Pipeline Corp.; ORRI; TOTAL	82.50% $5.00%$ $100.00%$	82.50% 5.00% 100.00%	
SF 078669	T-32-N, R-7-W Sec. 21: W2NW4	80.00	Royalty; Working Interest:	12.50%	200.0	0.000000%
			Aztec Oil & Gas; ORRI; TOTAL	87.50% 0.00% 100.00%	0.00%	
SF 078996	T-31-N, R-7-W Sec. 4: Lots 6,7,8 &	964.81		12.50%	12,50%	11.575920%
·	Sec. 5: Lots 5,6,7,8 & SEx & ExsWx		Working interest: Northwest Pipeline Corp.; ORRI; TOTAL	82.50% 5.00% 100.00%	82.50% 5.00% 100.00%	
SF 078998	T-31-N, R-7-W Sec. 17: A11	640.00	Royalty;	12.50%	12.50%	7.678805%
·				82.50% 5.00% 100.00%	82.50% 5.00% 100.00%	

Effective January 1, 1976

Page 2

SERIAL NUMBER	ER DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTU! PARTICIPATIC
NM 05540	T-32-N, R-7-W Sec. 9: SW4SW4	40.00	Royalty; Working Interest: Northwest Pipeline Corp.; ORRI;	12.50% 82.50% 5.00% 100.00%	12.50% 82.50% 5.00% 100.00%	0.479925%
E-178-4	T-32-N, R-7-W Sec. 16: W2W2	160.00	Royalty; Working Interest: N.B. & B.R. Gerber; ORRI;	12.50% 87.50% 0.00% 100.00%	12.50% $87.50%$ $0.00%$ $100.00%$	1.919701%
E-503-3	T-32-N, R-7-W Sec. 16: E½W½	160.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500% 65.625% 21.875% 100.000%	12.500% $65.625%$ $21.875%$ $100.000%$	1.919701%
E-503-12	T-32-N, R-7-W Sec. 32: E½W² Sec. 36: All	800.00	Royalty; Working Interest: Northwest Pipeline Corp.; ORRI;	12.50% $82.50%$ $5.00%$ $100.00%$	12.50% 82.50% 5.00% 100.00%	9,598506%

SERIAL	SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTU PARTICIPATI
Fee	H	T-32-N, R-7-W	732.58	TRACT 21			
	Sec	Sec. 7: Lots 1,2,3,		Royalty;	12.50%	12.50%	8.789592%
	,	SEA & NEASWA		Working Interest:	į	11	
	Se	Sec. 8: Lots 1,2,3, E\square W\square \text{SE\gamma} & W\square \text{SE\gamma}	& NE%SE%	Northwest Pipeline Corp.; ORRI;	87.50% 0.00%	%00 . 0	
	Sec	Sec. 9: Lot 4 & NWASWA		TOTAL	100.00%	100.00%	
	Sec	Sec.18: 13.36 acre tract in NENNE%	ct in	-			
	Sec	Sec. 21: Waney & Esnwa					
				TRACT 21-A			
Fee ee	1	T-32-N, R-7-W	1.00				
	Sec	Sec. 7: 1 acre out of		Royalty;	12.50%	12.50%	0.011998%
		SW4SE4SE4		Working Interest:			
				Northwest Pipeline Corp.	87.50%	87.50%	
				ONAL, TOTAL.	100 00%	100 00%	
				TOTAL	*00.00T	*00.00T	
<u>(</u>	E	, t	7	TRACT 22			
ו ני	Sec	Sec. 7: 17.09 acres	7.500	Rovaltv:	12.50%	12.50%	7.243633%
-		out of E2SE%		Working Interest:			
	Sec	Sec. 18: Whynely & SELNEL &	త	Northwest Pipeline Corp.;	84.50%	84.50%	
		SE% & 26.64 acre	re	ORRI;	3.00%	3.00%	
	Sec	ract in negneg Sec.20: SWkSWk	% 3	TOTAL	700.00T	700.001	
	Sec	Sec. 29: NW4NW4 & S4NW4 & NASW4 & SW4SW4	ॐ				

SCHEDULE XIX

PRESENT ACTU/ PARTICIPATIC	2.879552%	1.919701%	1.192734%
PERCENTAGE COMMITTED	12.50% 87.50% 0.00% 100.00%	12.50% 87.50% 0.00% 100.00%	12.50% 87.50% 0.00% 100.00%
CK PERCENTAGE	12.50% 87.50% 0.00% 100.00%	12.50% 87.50% 0.00% 100.00%	12.50% 87.50% 0.00% 100.00%
DRILLING BLOCK OWNERSHIP	Royalty; Working Interest:, Northwest Pipeline Corp.; ORRI;	Royalty; Working Interest: Northwest Pipeline Corp.; ORRI;	Royalty; Working Interest: Northwest Pipeline Corp.; ORRI;
NUMBER OF ACRES	240.00	160.00	99.41
NUMBER DESCRIPTION	T-32-N, R-7-W Sec.20: E½SE½ Sec.21: SW½	T-32-N, R-7-W Sec.32: W2W2	T-32-N, R-7-W Sec. 8: Lot 4, W2SW2
SERIAL NUMBER	ন ভ এ	ਰ ਹ	Fee

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		NOMBER	DRILLING BLOCK		FERCENIAGE	TKENER ACID
SERIAL NUMBER	DESCRIPTION	OF ACRES	OWNERSHIP	PERCENTAGE	COMMITTED	PARTICIPATI
	and the second of the second o					

RECAPITULATION

						8,414.63 8,334.63 80.00
Township 31 North, Range 7 West, N.M.P.M. Section 4: Lots 6, 7, 8, SW4 & NW4SE4	Section 3: Lots 3, 0, 7, 0, SER & ESSWA Section 8: E½ Section 17: All	Township 32 North, Range 7 West, N.M.P.M. Section 7: (Frac.) All	Section 8: (Frac.) All Section 9: (Frac.) W2W2	Sections 17, 20, 21, 22, 35, 36: All Sections 16, 27, 29, 32: W ₂	Section 23: SW4 Sections 18, 28: E½	Total Number of Acres in Participating Area: Total Number of Acres Committed to Participating Area: Total Number of Acres Not Committed to Participating Area: