

State of New Mexico



SLO REF. NO. OG-352

W.R. HUMPHRIES
COMMISSIONER

Commissioner of Public Lands

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

August 18, 1987

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

Re: San Juan 32-7 Unit
1987 Plan of Development
Rio Arriba County, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved the above captioned Plan of Development. Our approval is subject to like approval by all appropriate agencies.

In future Plan of Developments, please submit a plat of the unit area.

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

Very truly yours,

W. R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*
FLOYD O. PRANDO, Director
Oil & Gas Division
(505) 827-5744

WRH/FOP/ams
enclosure
cc: Bureau of Land Management
Oil Conservation Division

Bureau of Land Management
Minerals Division
435 Montano NE
Albuquerque, NM 87107

MAY 11 1987

MAY 11 1987

SJ 32-7 Unit
3150 (315) (POB)

Northwest Pipeline Corporation
ATTN: Darrell L. Gillen
P.O. Box 8900
Salt Lake City, UT 84101-0900

Gentlemen:

Two approved copies of your 1987 Plan of Development for the San Juan 32-7 unit area, Rio Arriba County, New Mexico are enclosed. Such plan, proposing no drilling in 1987, is approved this date subject to like approval by the appropriate officials of the State of New Mexico.

If you have any questions, please contact Shirley Bryant at the above address or telephone (505) 761-4531.

Sincerely,

(Orig. Signed) Sid Vogelbein

For District Manager

Enclosures

cc:

NB-016

✓ NPOCD, Santa Fe

Comm. of Pub. Lands, Santa Fe

015:SBryant:klm:5-9-87:3060H

#420

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 32-7 Unit, #14-08-001-441
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 32-7 Unit on acreage committed to the unit is as follows:

Fruitland, commercial	2
Fruitland/Pictured Cliffs, commercial	1
Pictured Cliffs, commercial	12
Pictured Cliffs, non-commercial	3
Pictured Cliffs/Mesaverde, commerciality undetermined	1
Pictured Cliffs/Mesaverde, commercial	2
Pictured Cliffs/Mesaverde, (Pictured Cliffs non-commercial, Mesaverde commercial)	1
Pictured Cliffs/Mesaverde, (Pictured Cliffs undetermined, Mesaverde commercial)	1
Mesaverde, commercial	33
Mesaverde, non-commercial	1

Assistant Area Oil and Gas Supervisor
Commissioner of Public Lands
Oil Conservation Commission
San Juan 32-7 1987 Drilling Program
March 3, 1987
Page -2-

Mesaverde, plugged and abandoned	4
Mesaverde/Dakota, commercial	1
Mesaverde/Dakota, (Mesaverde commercial, Dakota non-commercial)	2
Dakota, commercial	3
Dakota, commerciality undetermined	1
Dakota, non-commercial	<u>10</u>
TOTAL	78

Pursuant to Section 10 of the San Juan 32-7 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 32-7 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
32-7 Unit #14-08-001-441.

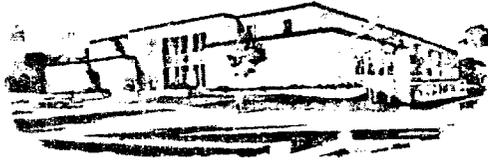
SAN JUAN 32-7 UNIT
WORKING INTEREST OWNERS

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

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

0043t

State of New Mexico



JIM BACA
COMMISSIONER

Commissioner of Public Lands

June 4, 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
Attention: Mr. Darrell L. Gillen
P.O. Box 8900
Salt Lake City, Utah 84108-0900

Re: San Juan 32-7 Unit
San Juan County, New Mexico
Mesaverde Formation
Corrected copies

Re: Reclamation

This office is in receipt of your letter of May 30, 1986, together with a corrected copy of Page 2 of 7 to the 21st, 22nd, and 23rd expansions and Page 6 of 7 to the 22nd expansion and the corrected copies of page 1 of 7 and page 6 of 7 to the 23rd expansion for the above captioned unit.

These corrected pages have been substituted and filed in our unit 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

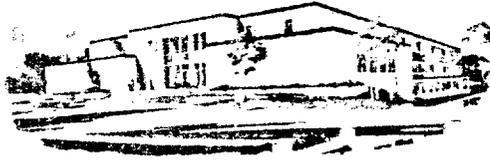
BY: *Floyd O. Prando*

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

JB, FOP/pm
encls.

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

State of New Mexico



JIM BACA
COMMISSIONER

Commissioner of Public Lands
June 2, 1986

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

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

San Juan 32-7 Unit, San Juan
County, New Mexico Notice of
Completion of Non-Commercial
Wells, Dakota Formation

Gentlemen:

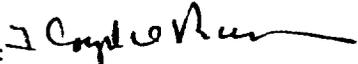
This office is in receipt of your letter of May 9, 1986, in regards to the above captioned unit. Such notice advises that the Unit Well Nos. 55, 56, 57 and 58 are not capable of producing unitized substances in paying quantities from the Dakota Formation.

The Commissioner of Public Lands concurs with your determination and has this date approved your application. This 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. 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. PRANDO, Director
Oil and Gas Division
(505) 827-5744

JB/FOP/pm
encls.

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

NORTHWEST PIPELINE CORPORATION 
ONE OF THE WILLIAMS COMPANIES

LAND DEPARTMENT

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

0711t

May 30, 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
Attention: Mr. Floyd O. Prando
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 32-7 Unit #14-08-001-441
San Juan County, New Mexico
MESAVERDE FORMATION

Gentlemen:

Enclosed you will find a corrected copy of Page 2 of 7 to the 21st, 22nd, and 23rd expansions and Page 6 of 7 to the 22nd expansion. The working interest ownership in Tracts 5 and 29 have been corrected. Also you will find corrected copies of page 1 of 7 and page 6 of 7 to the 23rd expansion. The working interest ownership in Tracts 4 and 29 have been corrected.

Please substitute these corrected pages for the ones previously sent to you. Tracts #4 and #29 were not committed to the participating area; therefore, the acreage, percentage participation, and the Recapitulation has not changed.

Bureau of Land Management
Commissioner of Public Lands
Oil Conservation Commission
May 30, 1986
Page -2-

Copies of this letter and corrected pages of the referenced schedules 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

SAN JUAN 32-7 UNIT
WORKING INTEREST OWNERS

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

Amoco Production Co.
Western Division, Production Manager
1670 Broadway
Denver, Colorado 80202

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

SCHEDULE XXI
TWENTY-FIRST EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 32-7 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 5</u>						
SF-078542	T-32-N, R-7-W Sec. 28: SE/4 Sec. 34: NE/4 Sec. 35: S/2	640.00	Royalty Working Interest Northwest Pipeline Corp. Phillips Petroleum ORRI Total	12.500000% 61.875000% 20.625000% 5.000000% <u>100.000000%</u>	12.500000% 61.875000% 20.625000% 5.000000% <u>100.000000%</u>	6.242209%
<u>TRACT 6</u>						
SF-078543	T-32-N, R-7-W Sec. 27: S/2 Sec. 33: NE/4 Sec. 35: N/2	800.00	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>	7.802762%
<u>TRACT 7</u>						
SF-078669	T-32-N, R-7-W Sec. 21: W/2NW/4	80.00	Royalty Working Interest Southland Royalty ORRI Total	12.500000% 87.500000% 00.000000% <u>100.000000%</u>	00.000000% 00.000000% 00.000000% <u>00.000000%</u>	00.000000%
<u>TRACT 8</u>						
NM-33052	T-32-N, R-7-W Sec. 33: W/2SE/4	80.00	Royalty Working Interest Northwest Exploration Co. ORRI Total	12.500000% 87.500000% 00.000000% <u>100.000000%</u>	00.000000% 00.000000% 00.000000% <u>00.000000%</u>	00.000000%

SCHEDULE XXII
TWENTY-SECOND EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 32-7 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 5</u>						
SF-078542	<u>T-32-N, R-7-W</u> Sec. 28: SE/4 Sec. 34: NE/4 Sec. 35: S/2	640.00	Royalty Working Interest Northwest Pipeline Corp. Phillips Petroleum ORRI Total	12.500000% 61.875000% 20.625000% 5.000000% <u>100.000000%</u>	12.500000% 61.875000% 20.625000% 5.000000% <u>100.000000%</u>	6.147923%
<u>TRACT 6</u>						
SF-078543	<u>T-32-N, R-7-W</u> Sec. 27: S/2 Sec. 33: NE/4 Sec. 35: N/2	800.00	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>	7.684904%
<u>TRACT 7</u>						
SF-078669	<u>T-32-N, R-7-W</u> Sec. 21: W/2NW/4	80.00	Royalty Working Interest Southland Royalty ORRI Total	12.500000% 87.500000% 00.000000% <u>100.000000%</u>	00.000000% 00.000000% 00.000000% <u>00.000000%</u>	00.000000%
<u>TRACT 8</u>						
NM-33052	<u>T-32-N, R-7-W</u> Sec. 33: W/2SE/4	80.00	Royalty Working Interest Northwest Exploration Co. ORRI Total	12.500000% 87.500000% 00.000000% <u>100.000000%</u>	00.000000% 00.000000% 00.000000% <u>00.000000%</u>	00.000000%

SCHEDULE XXIII
TWENTY-THIRD EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 32-7 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 5</u>						
SF-078542	T-32-N, R-7-W Sec. 28: SE/4 Sec. 34: NE/4 Sec. 35: S/2	640.00	Royalty Working Interest Northwest Pipeline Corp. Phillips Petroleum ORRI Total	12.500000% 61.875000% 20.625000% 5.000000% <u>100.000000%</u>	12.500000% 61.875000% 20.625000% 5.000000% <u>100.000000%</u>	6.101037%
<u>TRACT 6</u>						
SF-078543	T-32-N, R-7-W Sec. 27: S/2 Sec. 33: NE/4 Sec. 35: N/2	800.00	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>	7.626296%
<u>TRACT 7</u>						
SF-078669	T-32-N, R-7-W Sec. 21: W/2NW/4	80.00	Royalty Working Interest Southland Royalty ORRI Total	12.500000% 87.500000% 00.000000% <u>100.000000%</u>	00.000000% 00.000000% 00.000000% <u>00.000000%</u>	00.000000%
<u>TRACT 8</u>						
NM-33052	T-32-N, R-7-W Sec. 33: W/2SE/4	80.00	Royalty Working Interest Northwest Exploration Co. ORRI Total	12.500000% 87.500000% 00.000000% <u>100.000000%</u>	00.000000% 00.000000% 00.000000% <u>00.000000%</u>	00.000000%

SCHEDULE XXII
TWENTY-SECOND EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 32-7 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 25</u>						
Fee	<u>T-32-N, R-7-W</u> Sec. 8: Lot 4, W/2SW/4	99.41	Royalty	12.500000%	12.500000%	.954945%
			Working Interest			
			Northwest Pipeline Corp.	87.500000%	87.500000%	
			ORRI	00.000000%	00.000000%	
			Total	<u>100.000000%</u>	<u>100.000000%</u>	
<u>TRACT 26</u>						
Fee	<u>T-31-N, R-7-W</u> Sec. 3: E/2SW/4, S/2SE/4	160.00	Royalty	20.000000%	00.000000%	00.000000%
			Working Interest			
			Palmer Oil and Gas	80.000000%	00.000000%	
			ORRI	00.000000%	00.000000%	
			Total	<u>100.000000%</u>	<u>00.000000%</u>	
<u>TRACT 28</u>						
Fee	<u>T-31-N, R-7-W</u> Sec. 10: NW/4	160.00	Royalty	20.000000%	00.000000%	00.000000%
			Working Interest			
			Palmer Oil and Gas	80.000000%	00.000000%	
			ORRI	00.000000%	00.000000%	
			Total	<u>100.000000%</u>	<u>00.000000%</u>	
<u>TRACT 29</u>						
Fee	<u>T-31-N, R-7-W</u> Secs. 6 & 7: Tract 54	150.53	Royalty	12.890625%	00.000000%	00.000000%
			Working Interest			
			Tenneco Oil Co., et al.	77.421875%	00.000000%	
			Mesaverde Gas & Oil, Ltd.	5.078125%	00.000000%	
			J.P. McHugh Assoc.	2.734375%	00.000000%	
			ORRI	1.875000%	00.000000%	
			Total	<u>100.000000%</u>	<u>00.000000%</u>	

SCHEDULE XXIII
TWENTY-THIRD EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 32-7 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 1</u>						
SF-078459	T-32-N, R-7-W Sec. 22: All	640.00	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>	6.101037%
<u>TRACT 2</u>						
SF-078460	T-32-N, R-7-W Sec. 7: Lots 4, 5, 6, SE/4SW/4 Sec. 8: SE/4SE/4 Sec. 17: All Sec. 18: Lots 1, 2, 3, 4, E/2W/2 (W/2) Sec. 20: N/2, N/2SW/4, SE/4SW/4, W/2SE/4 Sec. 21: SE/4, E/2NE/4	1887.86	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>	17.996725%
<u>TRACT 3</u>						
SF-078472	T-32-N, R-7-W Sec. 23: SW/4 Sec. 26: N/2NW/4 Sec. 27: N/2 Sec. 28: NE/4 Sec. 29: NE/4NW/4, SE/4SW/4	800.00	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>	7.626296%
<u>TRACT 4</u>						
NM-2995	T-32-N, R-7-W Sec. 26: SE/4NW/4	40.00	Royalty Working Interest Southland Royalty ORRI Total	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	00.000000% 00.000000% 00.000000% <u>00.000000%</u>	00.000000%

SCHEDULE XXIII
TWENTY-THIRD EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 32-7 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 25</u>						
Fee	<u>T-32-N, R-7-W</u> Sec. 8: Lot 4, W/2SW/4	99.41	Royalty	12.500000%	12.500000%	.947663%
			Working Interest			
			Northwest Pipeline Corp.	87.500000%	87.500000%	
			ORRI	00.000000%	00.000000%	
			Total	<u>100.000000%</u>	<u>100.000000%</u>	
<u>TRACT 26</u>						
Fee	<u>T-31-N, R-7-W</u> Sec. 3: E/2SW/4, S/2SE/4	160.00	Royalty	20.000000%	00.000000%	00.000000%
			Working Interest			
			Palmer Oil and Gas	80.000000%	00.000000%	
			ORRI	00.000000%	00.000000%	
			Total	<u>100.000000%</u>	<u>00.000000%</u>	
<u>TRACT 28</u>						
Fee	<u>T-31-N, R-7-W</u> Sec. 10: NW/4	160.00	Royalty	20.000000%	00.000000%	00.000000%
			Working Interest			
			Palmer Oil and Gas	80.000000%	00.000000%	
			ORRI	00.000000%	00.000000%	
			Total	<u>100.000000%</u>	<u>00.000000%</u>	
<u>TRACT 29</u>						
Fee	<u>T-31-N, R-7-W</u> Secs. 6 & 7: Tract 54	150.53	Royalty	12.890625%	00.000000%	00.000000%
			Working Interest			
			Tenneco Oil Co., et al.	77.421875%	00.000000%	
			Mesaverde Gas & Oil, Ltd.	5.078125%	00.000000%	
			J.P. McHugh Assoc.	2.734375%	00.000000%	
			ORRI	1.875000%	00.000000%	
			Total	<u>100.000000%</u>	<u>00.000000%</u>	

San Juan 32-7
Unit POU
3180 (015)

Resource Management
Albuquerque Field Office
Minerals Division
P.O. Box 1784
Albuquerque, NM 87197-5770

MAY 13 1986

Northwest Pipeline Corporation
ATTN: Darrell L. Gillen
P.O. Box 8900
Salt Lake City, UT 84108-0900

Gentlemen:

Two approved copies of your 1986 Plan of Development for the San Juan 32-7 Unit area, San Juan County, New Mexico are enclosed. Such plan, proposing no drilling, 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 Shirley Bryant at the above address or telephone (505) 766-2841.

Sincerely,

(Orig Stored) - Ed Woodford

For District Manager

Enclosure(s)

cc:

Micrographics 943B-1

Fluids Section FRAH

✓ MHOCD, Santa Fe

Comm. of Pub. Lands, Santa Fe

O&G Chron

015:SBryant:klm:5-16-86:1887M

State of New Mexico



Commissioner of Public Lands

JIM BACA
COMMISSIONER

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

May 13, 1986

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

San Juan 32-7 Unit, San Juan
County, New Mexico Notice of
Completion of Non-Commercial
Wells, Dakota Formation

Gentlemen:

This office is in receipt of your letter of March 25, 1986, in regards to the above captioned unit. Such notice advises that the Unit Well Nos. 62, 67 and 68 are not capable of producing unitized substances in paying quantities from the Dakota Formation.

The Commissioner of Public Lands concurs with your determination and has this date approved your application. This 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. 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. Prando*

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

JB/FOP/pm
encls.

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

NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES

MAY 15 1986

LAND DEPARTMENT

356-86

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

May 9, 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
Post Office Box 1148
Santa Fe, NM 87501

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

Re: San Juan 32-7 Unit #14-08-001-441
San Juan County, New Mexico
NOTICE OF COMPLETION OF NON-COMMERCIAL WELLS
DAKOTA FORMATION

Gentlemen:

Pursuant to the provisions of Section 11(b) of the San Juan 32-7 Unit Agreement, Northwest Pipeline Corporation, as Unit Operator, has determined that the following described wells are not capable of producing unitized substances in paying quantities from the Dakota Formation.

The San Juan 32-7 Unit #55 Well is located 1770 feet from the South line and 1830 feet from the West line, Section 7, Township 32 North, Range 7 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on December 27, 1979 and completed on July 25, 1980 in the Dakota formation at a plug back depth of 8048'. The Dakota formation was perforated with two shots per foot at each of the following depths:

7964', 7965', 7966', 7967', 7968', 7969', 7970', 7971',
7972', 7973', 7974', 7975', and 7976'.

These perforations were treated with 500 gallons of 7 1/2% HCl followed by a sand-water fracturing. The well was shut-in May 13, 1980 for 73 days with a SIPC of 2076 psig and a SIPT of 1651 psig. On July 25, 1980 the well was tested and after flowing for three (3) hours through 3/4 inch variable choke on the 2 3/8 inch tubing the well gauged 638 MCFD with a calculated AOF of 642 MCFD.

The San Juan 32-7 Unit #56 Well is located 1670 feet from the North line and 800 feet from the West line, Section 17, Township 32 North, Range 7 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on January 30, 1980 and completed on June 4, 1980 in the Dakota formation at a plug back depth of 7850'. The Dakota formation was perforated with two holes at each of the following depths:

7791', 7792', 7793', 7794', 7795', 7796', 7797', 7798',
7799', 7800', 7801', 7802', 7803', 7804', 7805', 7806',
7807', and 7808'.

These perforations were treated with 1500 gallons of HCl followed by a sand-water fracturing. The well was shut-in May 27, 1980 for 8 days with a SIPT of 2155 psig and a SIPC of 2600 psig. On June 4, 1980 the well was tested and after flowing for three (3) hours through 3/4 inch variable choke on the 2 3/8 inch tubing the well gauged 651 MCFD with a calculated AOF of 655 MCFD.

The San Juan 32-7 Unit #57 Well is located 1630 feet from the South line and 800 feet from the East line, Section 17, Township 32 North, Range 7 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on January 17, 1980 and completed on June 20, 1980 in the Dakota formation at a plug back depth of 8135'. The Dakota formation was perforated with one hole at each of the following depths:

8064', 8066', 8068', 8070', 8072', 8074', 8076', 8078',
8112', 8814', 8116', 8118', 8120', 8122', 8124', and 8126'.

These perforations were treated with 500 gallons of 7 1/2% HCl followed by a sand-water fracturing. The well was shut-in May 31, 1980 for 20 days with a SIPT of 2111 psig and a SIPC of 2150 psig. On June 20, 1980 the well was tested and after flowing for three (3) hours through 3/4 inch variable choke on the 2 3/8 inch tubing, the well gauged 1190 MCFD with a calculated AOF of 1207 MCFD.

Bureau of Land Management
Commissioner of Public Lands
Oil Conservation Division
May 9, 1986
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The San Juan 32-7 Unit #58 Well is located 2360 feet from the North line and 1840 feet from the West line, Section 18, Township 32 North, Range 7 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on December 14, 1979 and completed on May 23, 1980 in the Dakota formation at a plug back depth of 7730'. The Dakota formation was perforated with one hole at each of the following depths:

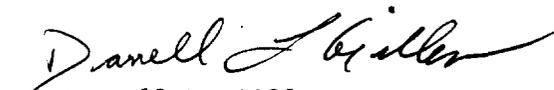
7658', 7660', 7662', 7664', 7666', 7668', 7670', 7672',
7674', 7706', 7708', 7712', and 7714'.

These perforations were treated with 1000 gallons of 7 1/2% HCl followed by a sand-water fracturing. On May 23, 1980 the well was tested and after flowing for three (3) hours through 3/4 inch variable choke, the well gauged 731 MCFD with a calculated AOF of 735 MCFD.

If these determinations meet 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.

Sincerely,

NORTHWEST PIPELINE CORPORATION


Darrell L. Gillen
Land Coordinator

DLG:js

Attachment

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

Bureau of Land Management
Commissioner of Public Lands
Oil Conservation Commission
May 9, 1986
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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 5-16-86
Oil Conservation Commission
Subject to like approval by the
Assistant Area Oil and Gas Supervisor
and the Commissioner of Public Lands

SAN JUAN 32-7 UNIT
WORKING INTEREST OWNERS
(PC)

Mr. J. Glenn Turner, Jr.
1700 Mercantile National Bank Building
Dallas, Texas 75201

Mr. Fred E. Turner
One Energy Square - Suite 852
4925 Greenville Avenue
Dallas, Texas 75206

Elizabeth T. Calloway
4801 St. Johns Drive
Dallas, Texas 75206

Mr. John L. Turner
800 Diamond Shamrock Tower
Dallas, TX 75201

Mercantile National Bank of Dallas, Trustee
Mary Frances Turner, Jr.
Personal Trust Department
P. O. Box 225415
Dallas, Texas 75206

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

Amoco Production Co.
Western Division, Production Manager
1670 Broadway
Denver, Colorado 80202

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

✓
Pertinent Data
San Juan 32-7 Unit
Well # 55

DRILLING BLOCK

ACRES

T32N, R7W
Section 7
E/2

293.10
E/2

The San Juan 32-7 Unit #55 well is located 1770 feet from the South line and 1830 feet from the West line, Section 7, Township 32 North, Range 7 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on December 27, 1979 and completed on July 25, 1980 in the ~~formation~~ formation at a plug back depth of 8048'. The Dakota formation was perforated with two shots per foot at each of the following depths:

7964', 7965', 7966', 7967', 7968',
7969', 7970', 7971', 7972', 7973',
7974', 7975', and 7976'.

These perforations were treated with 500 gallons of 7 1/2% HCl followed by a sand-water fracturing. The well was shut-in May 13, 1980 for 73 days with a SIPC of 2076 psig and a SIPT of 1651 psig. On ~~10/10/80~~ 10/10/80 the well was tested and after flowing for three (3) hours through 3/4 inch variable choke on the 2 3/8 inch tubing the well gauged 638 MCFD with a calculated AOF of 642 MCFD.

THIS WELL HAS BEEN DETERMINED TO BE ~~CLASSIFIED~~ RCI ~~CLASSIFIED~~

**** TSO FOREGROUND HARDCL
DSNAME=U2510.CNTL

(PDS)

Perfinent Data
San Juan 32-7 Unit
Well # 56

DRILLING BLOCK

ACRES

T32N, R7W
Section 17
W/2

320

The San Juan 32-7 Unit # 56 well is located 1670 feet from the North Line and 800 feet from the West Line, Section 17, Township 32 North, Range 7 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on January 30, 1980 and completed on June 4, 1980 in the Dakota formation at a plug back depth of 7850'. The ~~Dakota~~ formation was perforated with two holes at each of the following depths:

7791', 7792', 7793', 7794', 7795', 7796', 7797',
7798', 7799', 7800', 7801', 7802', 7803', 7804',
7805', 7806', 7807', and 7808'.

These perforations were treated with 1500 gallons of HCl followed by a sand-water fracturing. The well was shut-in May 27, 1980 for 8 days with a SIPT of 2155 psig and SIPC of 2600 psig. On **June 4, 1980** 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 651 MCFD with a calculated AOF of 655 MCFD.

THIS WELL HAS BEEN DETERMINED TO BE NONCOMMERCIAL

**** TSO FOREGROUND HARDCO
DSNAME=U2510.CNTL

(PDS)

✓ Pertinent Data
San Juan 32-7 Unit
Well # 57

DRILLING BLOCK

ACRES

T32N, R7W
Section 17

320

E/2

The San Juan 32-7 Unit # 57 well is located 1630 feet from the South line and 800 feet from the East line, Section 17, Township 32 North, Range 7 West, N.M.F.M., San Juan County, New Mexico. This well was spudded on January 17, 1980 and completed on June 20, 1980 in the Dakota formation at a plug back depth of 8135'. The Dakota formation was perforated with one hole at each of the following depths:

8064', 8066', 8068', 8070', 8072', 8074',
8076', 8078', 8112', 8114', 8116', 8118',
8120', 8122', 8124', and 8126'.

These perforations were treated with 500 gallons of 7 1/2% HCl followed by a sand-water fracturing. The well was shut-in May 31, 1980 for 20 days with a SIPT of 2111 psig and SIPC of 2150 psig. On ~~June 20, 1980~~ 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 1190 MCFD with a calculated AOF of 1207 MCFD.

THIS WELL HAS BEEN DETERMINED TO BE NONCOMMERCIAL

PERTINENT DATA
SAN JUAN 32-7 UNIT
WELL #58

DRILLING BLOCK

ACRES

T32N R7W
SECTION 18

317.41

N/2

THE SAN JUAN 32-7 UNIT #58 WELL IS LOCATED 2360 FEET FROM THE NORTH LINE AND 1840 FEET FROM THE WEST LINE, SECTION 18, TOWNSHIP 32 NORTH, RANGE 7 WEST, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO. THIS WELL WAS SPUDDED ON DEC. 14, 1979 AND COMPLETED ON MAY 23, 1980 IN THE ~~DAKOTA~~ FORMATION AT A PLUG BACK DEPTH OF 7730'. THE DAKOTA FORMATION WAS PERFORATED WITH ONE HOLE AT EACH OF THE FOLLOWING DEPTHS:-

7658', 7660', 7662', 7664', 7666', 7668',
7670', 7672', 7674', 7706', 7708', 7712',
AND 7714'.

THESE PERFORATIONS WERE TREATED WITH 1000 GALLONS OF 7 1/2% HCL FOLLOWED BY A SAND-WATER FRACTURING. ON ~~MAY 23, 1980~~ THE WELL WAS TESTED AND AFTER FLOWING FOR THREE (3) HOURS THROUGH A 3/4 INCH VARIABLE CHOKE, THE WELL GAUGED 731 MCFD WITH A CALCULATED AOF OF 735 MCFD.

THIS WELL HAS BEEN DETERMINED ~~NONCOMMERCIAL~~

NORTHWEST PIPELINE CORPORATION
 GAS RESERVES DEPARTMENT ECONOMIC STUDY
 COMMERCIALITY OF SJ 32-7 UNIT #55 DK

FRI MAY 2, 1986
 9:35:25 AM

WORKING INT. B/PAYOUT.....%	100.0	ANNUAL COST INFLATION.....%	0.0
WORKING INT. A/PAYOUT.....%	100.0	ANNUAL PRICE INFLATION.....%	0.0
INCOME TAX.....%	46.0	NEG INC TAX OFFSET BY OTHER INCOME	

GAS PRODUCTION FROM SJ 32-7 UNIT #55 DK

LAND OWNER ROYALTY.....%	12.5	OVERRIDING ROYALTY.....	0.0
AD VALOREM AND SEV TAXES...%	8.6	OPERATING COSTS (\$/MO).....	519.0
MONTH OF CAPITAL EXPENSE....	6	OPERATING COSTS (% OF PROD)..	0.0
DRILLING COSTS (\$1000).....	331.0	TANGIBLE \$ (% OF DRILLING \$)	36.9
SALVAGE VALUE (\$1000).....	0.0		

INITIAL MONTH	MCF/D	% DECLINE	TO MCF/D	ENDING MONTH
19	46.0	34.2	40.0	23
23	40.0	20.9	37.0	27
27	37.0	15.4	35.0	31
31	35.0	8.3	34.0	35
35	34.0	8.6	33.0	39
39	33.0	8.8	32.0	43
43	32.0	9.1	31.0	47
47	31.0	9.4	30.0	51
51	30.0	9.7	29.0	55
55	29.0	0.0	29.0	59
59	29.0	10.0	28.0	63
63	28.0	10.3	27.0	67
67	27.0	0.0	27.0	75
75	27.0	10.7	26.0	79
79	26.0	0.0	26.0	83
83	26.0	11.1	25.0	87
87	25.0	0.0	25.0	95
95	25.0	3.2	20.0	178
178	20.0	1.6	18.0	258
258	18.0	100.0	0.0	259

NORTHWEST PIPELINE CORPORATION
 GAS RESERVES DEPARTMENT ECONOMIC STUDY
 COMMERCIALITY OF SJ 32-7 UNIT #55 DK

FRI MAY 2, 1986
 9:35:25 AM

YEAR	BEG. YR \$/ MCF	AVG MCF/D	ANNUAL MCF	ROYALTY MCF	REVENUE AFTER ROYALTY \$1000
1980	4.48	0	0.	0.	0.
1981	4.48	21	7730.	966.	30.
1982	4.48	36	13009.	1626.	51.
1983	4.49	32	11733.	1467.	42.
1984	4.06	29	10744.	1343.	32.
1985	3.06	27	10021.	1253.	23.
1986	2.08	26	9625.	1203.	18.
1987	2.08	25	9152.	1144.	17.
1988	2.08	25	8949.	1119.	16.
1989	2.08	24	8665.	1083.	16.
1990	2.08	23	8390.	1049.	15.
1991	2.08	22	8124.	1015.	15.
1992	2.08	22	7866.	983.	14.
1993	2.08	21	7616.	952.	14.
1994	2.08	20	7377.	922.	13.
1995	2.08	20	7224.	903.	13.
1996	2.08	19	7110.	889.	13.
1997	2.08	19	6999.	875.	13.
1998	2.08	19	6889.	861.	13.
1999	2.08	19	6781.	848.	12.
TOTAL.....			164000.	20500.	380.

NORTHWEST PIPELINE CORPORATION
 GAS RESERVES DEPARTMENT ECONOMIC STUDY
 COMMERCIALITY OF SJ 32-7 UNIT #55 DK

FRI MAY 2, 1986
 9:35:25 AM

WORKING INT. B/PAYOUT.....%	100.0	ANNUAL COST INFLATION.....%	0.0
WORKING INT. A/PAYOUT.....%	100.0	ANNUAL PRICE INFLATION.....%	0.0
INCOME TAX.....%	46.0	NEG INC TAX OFFSET BY OTHER INCOME	

DISCOUNT	****PRESENT VALUE****	DISCOUNTED PROFIT TO**	
RATE**	** \$1000 *****	***INVESTMENT RATIO***	
*** % **	BEFORE TAX	AFTER TAX	BEFORE TAX
			AFTER TAX
-4.8	0.		0.00
			RATE OF RETURN B.T.
-3.3		0.	0.0 RATE OF RETURN A.T.
15.0	-204.	-144.	-0.62
			-0.44

YEAR	INCOME	**PROJECT EXPENSES IN \$1000*				****CASH FLOW ANALYSIS IN \$1000****				
	\$1000	***	*****	AD.V.	*****	*****	**CUM	*****	*****	*****
	NET*	CAPI-	***	SEV.	PROD.	BEFORE	BEFORE	TAXED	INCOME	AFTER
	*****	*TAL*	DEPR.	TAXES	COSTS	*TAXES	TAXES	INCOME	TAXES	TAXES
1980	0	331	0	0	0	-331	-331	-209	-96	-235
1981	30	0	6	3	3	25	-306	19	9	16
1982	51	0	10	4	6	40	-266	31	14	26
1983	42	0	9	4	6	32	-234	24	11	22
1984	32	0	8	3	6	23	-210	15	7	16
1985	23	0	7	2	6	15	-196	7	3	11
1986	18	0	7	2	6	10	-186	3	1	9
1987	17	0	7	1	6	9	-177	2	1	8
1988	16	0	7	1	6	9	-168	2	1	8
1989	16	0	6	1	6	8	-160	2	1	7
1990	15	0	6	1	6	8	-153	1	1	7
1991	15	0	6	1	6	7	-145	1	1	7
1992	14	0	6	1	6	7	-139	1	0	6
1993	14	0	6	1	6	6	-132	1	0	6
1994	13	0	5	1	6	6	-126	1	0	6
1995	13	0	5	1	6	6	-120	0	0	6
1996	13	0	5	1	6	6	-115	0	0	5
1997	13	0	5	1	6	5	-109	0	0	5
1998	13	0	5	1	6	5	-104	0	0	5
1999	12	0	5	1	6	5	-99	0	0	5
TOTAL	380	331	122	33	115	-99	0	-99	-46	-54

THIS PROJECT DOES NOT PAYOUT

NORTHWEST PIPELINE CORPORATION
 GAS RESERVES DEPARTMENT ECONOMIC STUDY
 COMMERCIALITY OF SJ 32-7 UNIT #56 DK

FRI MAY 2, 1986
 10:32:27 AM

WORKING INT. B/PAYOUT.....%	100.0	ANNUAL COST INFLATION.....%	0.0
WORKING INT. A/PAYOUT.....%	100.0	ANNUAL PRICE INFLATION....%	0.0
INCOME TAX.....%	46.0	NEG INC TAX OFFSET BY OTHER INCOME	
UNIT OF PRODUCTION DEPRECIATION			

GAS PRODUCTION FROM SJ 32-7 UNIT #56 DK

LAND OWNER ROYALTY.....%	12.5	OVERRIDING ROYALTY.....	0.0
AD VALOREM AND SEV TAXES...%	8.6	OPERATING COSTS (\$/MO).....	519.0
MONTH OF CAPITAL EXPENSE....	6	OPERATING COSTS (% OF PROD).	0.0
DRILLING COSTS (\$1000).....	342.9	TANGIBLE \$ (% OF DRILLING \$)	34.9
SALVAGE VALUE (\$1000).....	0.0		

INITIAL MONTH	MCF/D	% DECLINE	TO MCF/D	ENDING MONTH
19	10.0	-90	12.5	23
23	45.0	64.0	32.0	27
27	32.0	39.9	27.0	31
31	27.0	38.2	23.0	35
35	23.0	23.9	21.0	39
39	21.0	25.9	19.0	43
43	19.0	15.0	18.0	47
47	18.0	15.8	17.0	51
51	17.0	16.6	16.0	55
55	16.0	17.6	15.0	59
59	15.0	18.7	14.0	63
63	14.0	0.0	14.0	67
67	14.0	19.9	13.0	71
71	13.0	0.0	13.0	75
75	13.0	21.3	12.0	79
79	12.0	0.0	12.0	83
83	12.0	23.0	11.0	87
87	11.0	0.0	11.0	95
95	11.0	6.3	7.0	178
178	7.0	2.3	6.0	258
258	6.0	100.0	0.0	259

NORTHWEST PIPELINE CORPORATION
 GAS RESERVES DEPARTMENT ECONOMIC STUDY
 COMMERCIALITY OF SJ 32-7 UNIT #56 DK

FRI MAY 2, 1986
 10:32:27 AM

YEAR	BEG. YR \$/ MCF	AVG MCF/D	ANNUAL MCF	ROYALTY MCF	REVENUE AFTER ROYALTY \$1000
1980	4.48	0	0.	0.	0.
1981	4.48	14	4961.	620.	19.
1982	4.48	28	10358.	1295.	41.
1983	4.49	20	7141.	893.	26.
1984	4.06	16	5888.	736.	18.
1985	3.06	14	5029.	629.	11.
1986	2.08	12	4511.	564.	8.
1987	2.08	11	4038.	505.	7.
1988	2.08	11	3858.	482.	7.
1989	2.08	10	3614.	452.	7.
1990	2.08	9	3385.	423.	6.
1991	2.08	9	3171.	396.	6.
1992	2.08	8	2970.	371.	5.
1993	2.08	8	2782.	348.	5.
1994	2.08	7	2609.	326.	5.
1995	2.08	7	2515.	314.	5.
1996	2.08	7	2458.	307.	4.
1997	2.08	7	2402.	300.	4.
1998	2.08	6	2347.	293.	4.
1999	2.08	6	2293.	287.	4.
TOTAL.....			76328.	9541.	193.

NORTHWEST PIPELINE CORPORATION
 GAS RESERVES DEPARTMENT ECONOMIC STUDY
 COMMERCIALITY OF SJ 32-7 UNIT #56 DK

FRI MAY 2, 1986
 10:32:27 AM

WORKING INT. B/PAYOUT.....%	100.0	ANNUAL COST INFLATION.....%	0.0
WORKING INT. A/PAYOUT.....%	100.0	ANNUAL PRICE INFLATION....%	0.0
INCOME TAX.....%	46.0	NEG INC TAX OFFSET BY OTHER INCOME	

DISCOUNT	****PRESENT VALUE*****		DISCOUNTED PROFIT TO**	
RATE	***** \$1000 *****		***INVESTMENT RATIO***	
*** % **	BEFORE TAX	AFTER TAX	BEFORE TAX	AFTER TAX
*****	0.		0.00	
		0.		
-15.3				
15.0	-273.	-178.	-0.80	-0.52

RATE OF RETURN B.T. (SEE NOTE)
 0.0 RATE OF RETURN A.T.

YEAR	INCOME	**PROJECT EXPENSES IN \$1000*			****CASH FLOW ANALYSIS IN \$1000****					
	\$1000	***	*****	AD.V. *****	*****	**CUM	*****	*****	*****	
NET*	***	CAPI-	*****	SEV. PROD.	*****	BEFORE	BEFORE	TAXED	INCOME	AFTER
*****	*****	*TAL*	DEPR.	TAXES	COSTS	*TAXES	TAXES	INCOME	TAXES	TAXES
1980	0	343	0	0	0	-343	-343	-223	-103	-240
1981	19	0	8	2	3	15	-328	7	3	11
1982	41	0	16	4	6	31	-297	15	7	24
1983	26	0	11	2	6	17	-280	6	3	15
1984	18	0	9	2	6	10	-270	1	0	10
1985	11	0	8	1	6	4	-266	-4	-2	6
1986	8	0	7	1	6	1	-265	-6	-3	4
1987	7	0	6	1	6	0	-264	-6	-3	3
1988	7	0	6	1	6	0	-264	-6	-3	3
1989	7	0	6	1	6	0	-264	-6	-3	2
1990	6	0	5	1	6	-1	-265	-6	-3	2 **
1991	6	0	5	1	6	-1	-266	-6	-3	2 **
1992	5	0	5	0	6	-1	-267	-6	-3	1 **
1993	5	0	4	0	6	-2	-269	-6	-3	1 **
1994	5	0	4	0	6	-2	-271	-6	-3	1 **
1995	5	0	4	0	6	-2	-273	-6	-3	1 **
1996	4	0	4	0	6	-2	-275	-6	-3	1 **
1997	4	0	4	0	6	-2	-277	-6	-3	1 **
1998	4	0	4	0	6	-2	-280	-6	-3	0 **
1999	4	0	4	0	6	-2	-282	-6	-3	0 **
TOTAL	193	343	120	17	115	-282	0	-282	-130	-152

THIS PROJECT DOES NOT PAYOUT

*****NOTE: NEGATIVE CASH FLOWS BEGINNING IN 1990 RENDER RATE OF RETURN CALCULATION
 *****INACCURATE AND/OR IMPOSSIBLE.

NORTHWEST PIPELINE CORPORATION
 GAS RESERVES DEPARTMENT ECONOMIC STUDY
 COMMERCIALITY OF SJ 32-7 UNIT #57 DK

FRI MAY 2, 1986
 10:20:31 AM

WORKING INT. B/PAYOUT.....%	100.0	ANNUAL COST INFLATION.....%	0.0
WORKING INT. A/PAYOUT.....%	100.0	ANNUAL PRICE INFLATION.....%	0.0
INCOME TAX.....%	46.0	NEG INC TAX OFFSET BY OTHER INCOME	
UNIT OF PRODUCTION DEPRECIATION			

GAS PRODUCTION FROM SJ 32-7 UNIT #57 DK

LAND OWNER ROYALTY.....%	12.5	OVERRIDING ROYALTY.....	0.0
AD VALOREM AND SEV TAXES...%	8.6	OPERATING COSTS (\$/MO).....	519.0
MONTH OF CAPITAL EXPENSE....	6	OPERATING COSTS (% OF PROD).	0.0
DRILLING COSTS (\$1000).....	326.4	TANGIBLE \$ (% OF DRILLING \$)	34.6
SALVAGE VALUE (\$1000).....	0.0		

INITIAL MONTH	MCF/D	% DECLINE	TO MCF/D	ENDING MONTH
19	115.0	82.8	64.0	23
23	64.0	49.4	51.0	27
27	51.0	40.1	43.0	31
31	43.0	25.4	39.0	35
35	39.0	27.7	35.0	39
39	35.0	23.6	32.0	43
43	32.0	17.6	30.0	47
47	30.0	9.7	29.0	51
51	29.0	19.3	27.0	55
55	27.0	10.7	26.0	59
59	26.0	11.1	25.0	63
63	25.0	11.5	24.0	67
67	24.0	12.0	23.0	71
71	23.0	12.5	22.0	75
75	22.0	0.0	22.0	79
79	22.0	13.0	21.0	83
83	21.0	13.6	20.0	87
87	20.0	0.0	20.0	91
91	20.0	14.3	19.0	95
95	19.0	4.3	14.0	178
178	14.0	3.6	11.0	258
258	11.0	100.0	0.0	259

NORTHWEST PIPELINE CORPORATION
 GAS RESERVES DEPARTMENT ECONOMIC STUDY
 COMMERCIALITY OF SJ 32-7 UNIT #57 DK

FRI MAY 2, 1986
 10:20:31 AM

YEAR	BEG. YR \$/ MCF	AVG MCF/D	ANNUAL MCF	ROYALTY MCF	REVENUE AFTER ROYALTY \$1000
1980	4.48	0	0.	0.	0.
1981	4.48	42	15179.	1897.	60.
1982	4.48	45	16604.	2076.	65.
1983	4.49	33	11963.	1495.	43.
1984	4.06	27	10042.	1255.	30.
1985	3.06	24	8810.	1101.	20.
1986	2.08	22	7943.	993.	14.
1987	2.08	20	7218.	902.	13.
1988	2.08	18	6751.	844.	12.
1989	2.08	18	6460.	807.	12.
1990	2.08	17	6181.	773.	11.
1991	2.08	16	5914.	739.	11.
1992	2.08	15	5658.	707.	10.
1993	2.08	15	5414.	677.	10.
1994	2.08	14	5181.	648.	9.
1995	2.08	14	4984.	623.	9.
1996	2.08	13	4807.	601.	9.
1997	2.08	13	4637.	580.	8.
1998	2.08	12	4472.	559.	8.
1999	2.08	12	4313.	539.	8.
TOTAL.....			142528.	17816.	363.

NORTHWEST PIPELINE CORPORATION
 GAS RESERVES DEPARTMENT ECONOMIC STUDY
 COMMERCIALITY OF SJ 32-7 UNIT #57 DK

FRI MAY 2, 1986
 10:20:31 AM

WORKING INT. B/PAYOUT.....%	100.0	ANNUAL COST INFLATION.....%	0.0
WORKING INT. A/PAYOUT.....%	100.0	ANNUAL PRICE INFLATION....%	0.0
INCOME TAX.....%	46.0	NEG INC TAX OFFSET BY OTHER INCOME	

DISCOUNT	****PRESENT VALUE*****		DISCOUNTED PROFIT TO**	
RATE	***** \$1000 *****		***INVESTMENT RATIO***	
*** % **	BEFORE TAX	AFTER TAX	BEFORE TAX	AFTER TAX
-8.1	0.		0.00	
-5.0		0.		RATE OF RETURN B.T.
15.0	-180.	-125.	-0.55	-0.38

YEAR	INCOME	**PROJECT EXPENSES IN \$1000*				****CASH FLOW ANALYSIS IN \$1000****				
	*\$1000	*****	*****	AD.V.	*****	*****	**CUM	*****	*****	*****
NET*	***	CAPI-	*****	SEV.	PROD.	BEFORE	BEFORE	TAXED	INCOME	AFTER
*****	*****	*TAL*	DEPR.	TAXES	COSTS	*TAXES	TAXES	INCOME	TAXES	TAXES
1980	0	326	0	0	0	-326	-326	-213	-98	-228
1981	60	0	12	5	3	51	-275	39	18	33
1982	65	0	13	6	6	53	-222	40	18	35
1983	43	0	9	4	6	33	-189	24	11	22
1984	30	0	8	3	6	21	-167	13	6	15
1985	20	0	7	2	6	12	-155	5	2	10
1986	14	0	6	1	6	7	-148	1	0	7
1987	13	0	6	1	6	6	-143	0	0	6
1988	12	0	5	1	6	5	-138	0	0	5
1989	12	0	5	1	6	4	-133	-1	0	5
1990	11	0	5	1	6	4	-129	-1	0	4
1991	11	0	5	1	6	4	-125	-1	-1	4
1992	10	0	4	1	6	3	-122	-1	-1	4
1993	10	0	4	1	6	3	-120	-2	-1	3
1994	9	0	4	1	6	2	-117	-2	-1	3
1995	9	0	4	1	6	2	-115	-2	-1	3
1996	9	0	4	1	6	2	-113	-2	-1	3
1997	8	0	4	1	6	1	-112	-2	-1	2
1998	8	0	4	1	6	1	-111	-2	-1	2
1999	8	0	3	1	6	1	-110	-2	-1	2
TOTAL	364	327	113	31	115	-110	0	-110	-50	-59

THIS PROJECT DOES NOT PAYOUT

NORTHWEST PIPELINE CORPORATION
 GAS RESERVES DEPARTMENT ECONOMIC STUDY
 COMMERCIALITY OF SJ 32-7 UNIT #58 DK

FRI MAY 2, 1986
 10:24:20 AM

WORKING INT. B/PAYOUT.....%	100.0	ANNUAL COST INFLATION.....%	0.0
WORKING INT. A/PAYOUT.....%	100.0	ANNUAL PRICE INFLATION.....%	0.0
INCOME TAX.....%	46.0	NEG INC TAX OFFSET BY OTHER INCOME	

UNIT OF PRODUCTION DEPRECIATION

GAS PRODUCTION FROM SJ 32-7 UNIT #58 DK

LAND OWNER ROYALTY.....%	12.5	OVERRIDING ROYALTY.....	0.0
AD VALOREM AND SEV TAXES...%	8.6	OPERATING COSTS (\$/MO).....	519.0
MONTH OF CAPITAL EXPENSE....	5	OPERATING COSTS (% OF PROD).	0.0
DRILLING COSTS (\$1000).....	305.3	TANGIBLE \$ (% OF DRILLING \$)	40.1
SALVAGE VALUE (\$1000).....	0.0		

INITIAL MONTH	MCF/D	% DECLINE	TO MCF/D	ENDING MONTH
19	93.0	83.5	51.0	23
23	51.0	55.3	39.0	27
27	39.0	33.7	34.0	31
31	34.0	31.3	30.0	35
35	30.0	27.1	27.0	39
39	27.0	20.6	25.0	43
43	25.0	22.1	23.0	47
47	23.0	12.5	22.0	51
51	22.0	13.0	21.0	55
55	21.0	13.6	20.0	59
59	20.0	14.3	19.0	63
63	19.0	15.0	18.0	67
67	18.0	0.0	18.0	71
71	18.0	15.8	17.0	75
75	17.0	0.0	17.0	79
79	17.0	16.6	16.0	83
83	16.0	0.0	16.0	87
87	16.0	17.6	15.0	91
91	15.0	0.0	15.0	95
95	15.0	5.7	10.0	178
178	10.0	1.6	9.0	258
258	9.0	100.0	0.0	259

NORTHWEST PIPELINE CORPORATION
 GAS RESERVES DEPARTMENT ECONOMIC STUDY
 COMMERCIALITY OF SJ 32-7 UNIT #58 DK

FRI MAY 2, 1986
 10:24:20 AM

YEAR	BEG. YR \$/ MCF	AVG MCF/D	ANNUAL MCF	ROYALTY MCF	REVENUE AFTER ROYALTY \$1000
1980	4.48	0	0.	0.	0.
1981	4.48	33	12171.	1521.	48.
1982	4.48	35	12895.	1612.	51.
1983	4.49	25	9248.	1156.	33.
1984	4.06	21	7715.	964.	23.
1985	3.06	18	6726.	841.	15.
1986	2.08	17	6125.	766.	11.
1987	2.08	15	5613.	702.	10.
1988	2.08	14	5282.	660.	10.
1989	2.08	14	4982.	623.	9.
1990	2.08	13	4698.	587.	9.
1991	2.08	12	4431.	554.	8.
1992	2.08	11	4178.	522.	8.
1993	2.08	11	3940.	493.	7.
1994	2.08	10	3719.	465.	7.
1995	2.08	10	3612.	451.	7.
1996	2.08	10	3555.	444.	6.
1997	2.08	10	3499.	437.	6.
1998	2.08	9	3445.	431.	6.
1999	2.08	9	3391.	424.	6.
TOTAL.....			109219.	13653.	280.

NORTHWEST PIPELINE CORPORATION
 GAS RESERVES DEPARTMENT ECONOMIC STUDY
 COMMERCIALITY OF SJ 32-7 UNIT #58 DK

FRI MAY 2, 1986
 10:24:20 AM

WORKING INT. B/PAYOUT.....%	100.0	ANNUAL COST INFLATION.....%	0.0
WORKING INT. A/PAYOUT.....%	100.0	ANNUAL PRICE INFLATION.....%	0.0
INCOME TAX.....%	46.0	NEG INC TAX OFFSET BY OTHER INCOME	
UNIT OF PRODUCTION DEPRECIATION			

DISCOUNT	****PRESENT VALUE****		DISCOUNTED PROFIT TO**	
RATE	***** \$1000 *****		***INVESTMENT RATIO***	
*** % **	BEFORE TAX	AFTER TAX	BEFORE TAX	AFTER TAX
*****	0.		0.00	
				RATE OF RETURN B.T. (SEE NOTE)
-8.2		0.		0.0 RATE OF RETURN A.T.
15.0	-200.	-139.	-0.65	-0.45

YEAR	INCOME	**PROJECT EXPENSES IN \$1000*			****CASH FLOW ANALYSIS IN \$1000****					
	*\$1000	*****	*****	AD.V.	*****	**CUM	*****	*****	*****	*****
NET*	CAPI-	***	SEV.	PROD.	BEFORE	BEFORE	TAXED	INCOME	AFTER	
*****	*TAL*	DEPR.	TAXES	COSTS	*TAXES	TAXES	INCOME	TAXES	TAXES	
1980	0	305	0	0	0	-305	-305	-183	-84	-221
1981	48	0	14	4	3	40	-265	27	12	28
1982	51	0	14	4	6	40	-225	26	12	28
1983	33	0	10	3	6	24	-201	14	6	18
1984	23	0	9	2	6	15	-186	6	3	12
1985	15	0	8	1	6	8	-178	0	0	8
1986	11	0	7	1	6	4	-174	-3	-1	5
1987	10	0	6	1	6	3	-171	-3	-1	5
1988	10	0	6	1	6	3	-168	-3	-2	4
1989	9	0	6	1	6	2	-166	-4	-2	4
1990	9	0	5	1	6	2	-165	-4	-2	3
1991	8	0	5	1	6	1	-164	-4	-2	3
1992	8	0	5	1	6	1	-163	-4	-2	3
1993	7	0	4	1	6	0	-163	-4	-2	2
1994	7	0	4	1	6	0	-163	-4	-2	2
1995	7	0	4	1	6	0	-163	-4	-2	2
1996	6	0	4	1	6	0	-163	-4	-2	2
1997	6	0	4	1	6	0	-164	-4	-2	2
1998	6	0	4	1	6	-1	-164	-4	-2	1 **
1999	6	0	4	1	6	-1	-165	-4	-2	1 **
TOTAL	280	305	123	24	115	-165	0	-165	-76	-89

THIS PROJECT DOES NOT PAYOUT

*****NOTE: NEGATIVE CASH FLOWS BEGINNING IN 1998 RENDER RATE OF RETURN CALCULATION
 *****INACCURATE AND/OR IMPOSSIBLE.

SJ 32-7 Unit
3180 (015)

Albuquerque, NM 87197-6770



Northwest Pipeline Corporation
ATTN: Land Dept.
P.O. Box 9996
Salt Lake City, UT 84108-0996

Gentlemen:

We have received your notice dated April 18, 1986, concerning approval of the 21st, 22nd and 23rd expanded Dakota Formation participating area for the San Juan 32-7 Unit. Our records show that no such application was received in this office. Further, BLM did not approve such application as indicated in your notice. No correspondence dated November 11, 1985 was sent from this office. If you have such records, please forward copies to this office.

If you have any questions regarding the revised Dakota participation for the San Juan 32-7 Unit, please contact Robert Kent in this office or call (505) 766-2341.

Sincerely,

For District Manager

cc:

✓RNOCD

Com. of Pub. Lands - ATTN: Floyd Prando
O&G chron

015:GStephens:kla:4-28-86:1803M

NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES 

LAND DEPARTMENT

349-86

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

May 1, 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: Floyd O. Prando
P. O. Box 1148
Santa Fe, NM 87501

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

Re: San Juan 32-7 Unit #14-08-001-441
San Juan County, New Mexico
NOTICE OF COMPLETION OF NON-COMMERCIAL WELLS
DAKOTA FORMATION

Gentlemen:

The Notice of Completion of Non-Commercial Wells, which was filed March 25, 1986 for the San Juan 32-7 #62, #67 and #68 wells, have been approved by the Bureau of Land Management on April 21, 1986.

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

Attachments

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

NORTHWEST PIPELINE CORPORATION 
ONE OF THE WILLIAMS COMPANIES

LAND DEPARTMENT

321-86

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

May 1, 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: Floyd O. Prando
P. O. Box 1148
Santa Fe, NM 87501

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

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

Gentlemen:

Enclosed you will find the first page of the letter sent to you on April 18, 1986 wherein "the San Juan 32-7 Dakota Unit" is corrected to read "the San Juan 32-7 Mesaverde Unit". Please substitute this page for the original.

If you have any questions, please feel free to call me at (801) 584-7215.

Sincerely,

NORTHWEST PIPELINE CORPORATION


Darrell L. Gillen
Land Coordinator

DLG:js

cc: Working Interest Owners

NORTHWEST PIPELINE CORPORATION 
ONE OF THE WILLIAMS COMPANIES

LAND DEPARTMENT

321-86

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

April 18, 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: Floyd O. Prando
P. O. Box 1148
Santa Fe, NM 87501

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

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

Gentlemen:

The Application for Approval of the 21st, 22nd and 23rd Expanded Participating Area, which was filed April 18, 1985 for the San Juan 32-7 Mesaverde Unit has been approved by the Bureau of Land Management on 11/11/85, the Oil Conservation Division on 9/10/85, and the Commissioner of Public Lands on 11/15/85.

Enclosed you will find a corrected copy of page 3 of 7 to the 23rd expansion Schedule XXIII. The legal description in tract 12 was corrected from Sec. 9: SW/4SW/4 to Sec. 26: SW/4NW/4.

SAN JUAN 32-7 UNIT
WORKING INTEREST OWNERS
(PC)

Mr. J. Glenn Turner, Jr.
1700 Mercantile National Bank Building
Dallas, Texas 75201

Mr. Fred E. Turner
One Energy Square - Suite 852
4925 Greenville Avenue
Dallas, Texas 75206

Elizabeth T. Calloway
4801 St. Johns Drive
Dallas, Texas 75206

Mr. John L. Turner
800 Diamond Shamrock Tower
Dallas, TX 75201

Mercantile National Bank of Dallas, Trustee
Mary Frances Turner, Jr.
Personal Trust Department
P. O. Box 225415
Dallas, Texas 75206

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

Amoco Production Co.
Western Division, Production Manager
1670 Broadway
Denver, Colorado 80202

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

State of New Mexico



JIM BACA
COMMISSIONER

Commissioner of Public Lands

April 23, 1986

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

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

Re: San Juan 32-7 Unit
San Juan County, New Mexico
1986 Drilling Program

Gentlemen:

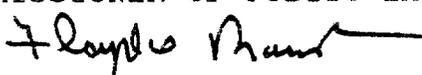
The Commissioner of Public Lands has this date approved your 1986 Drilling Program for the San Juan 32-7 Unit Area, San Juan County, New Mexico. Such plan calls for the drilling of no wells during the calendar year 1986.

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,

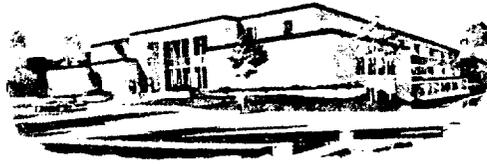
JIM BACA
COMMISSIONER OF PUBLIC LANDS

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

JB:FCP/pm
encs.

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

State of New Mexico



#4720

JIM BACA
COMMISSIONER

Commissioner of Public Lands

April 26, 1986

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148
Express Mail Delivery Used
\$10 Old Santa Fe Inmail
Santa Fe, New Mexico 87501

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

Re: San Juan 82-7 Unit
21st, 22nd, 23rd Expanded
Participating Area
San Juan County, New Mexico

Gentlemen:

This office is in receipt of your letter of April 18, 1986 together with corrected copy of page 3 of 7 to the 23rd Mesaverde expansion Schedule XXIII in which the legal description in tract 12 has been corrected from Sec. 9: SW/4SW/4 to Sec. 26: SW 4NW/4.

This corrected copy has been accepted and filed in our unit file.

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. Prando*
FLOYD O. PRANDO, Director
Oil and Gas Division
AC 505/827-5744

JB:FOP/pm
encs.

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



United States Department of the Interior

IN REPLY REFER TO:
SJ 32-7 Unit PA
3180 (015)

BUREAU OF LAND MANAGEMENT
ALBUQUERQUE DISTRICT OFFICE

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

APR 24 1986



Northwest Pipeline Corporation
ATTN: Darrell L. Gillen
295 Chipeta Way
Salt Lake City, UT 84108

Gentlemen:

By letter dated March 25, 1986, we received a Notice of Completion of non-commercial wells, Dakota Formation, San Juan 32-7 Unit, San Juan County, New Mexico. Northwest Pipeline Corp., as unit operator, has determined that the San Juan 32-7 unit wells No. 62 (located 970 feet from the South line and 805 feet from the West line of section 27, T. 32 N., R. 7 W.), No. 67 (located 1710 feet from the South line and 910 feet from the West line, section 38, T. 32 N., R. 7 W.), and No. 68 (located 920 feet from the South line and 1080 feet from the East line, section 34, T. 32 N., R. 7 W.) are not capable of producing unitized substances in paying quantities from the Dakota Formation. This notice is hereby accepted for the record.

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

Sincerely,

For District Manager

NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES 

LAND DEPARTMENT

321-86

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

April 18, 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: Floyd O. Prando
P. O. Box 1148
Santa Fe, NM 87501

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

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

Gentlemen:

The Application for Approval of the 21st, 22nd and 23rd Expanded Participating Area, which was filed April 18, 1985 for the San Juan 32-7 Dakota Unit has been approved by the Bureau of Land Management on 11/11/85, the Oil Conservation Division on 9/10/85, and the Commissioner of Public Lands on 11/15/85.

Enclosed you will find a corrected copy of page 3 of 7 to the 23rd expansion Schedule XXIII. The legal description in tract 12 was corrected from Sec. 9: SW/4SW/4 to Sec. 26: SW/4NW/4.

Bureau of Land Management
Commissioner of Public Lands
Oil Conservation Commission
April 18, 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

cc: Working Interest Owners

SAN JUAN 32-7 UNIT
WORKING INTEREST OWNERS
(MV)

Mr. J. Glenn Turner, Jr.
1700 Mercantile National Bank Building
Dallas, Texas 75201

Mr. Fred E. Turner
One Energy Square - Suite 852
4925 Greenville Avenue
Dallas, Texas 75206

Elizabeth T. Calloway
4801 St. Johns Drive
Dallas, Texas 75206

Mr. John L. Turner
800 Diamond Shamrock Tower
Dallas, TX 75201

Mercantile National Bank of Dallas, Trustee
Mary Frances Turner, Jr.
Personal Trust Department
P. O. Box 225415
Dallas, Texas 75206

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

Amoco Production Co.
Attention: J. C. Burnside
1670 Broadway - Suite 1914
Amoco Building
Denver, Colorado 80202

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

SCHEDULE XXIII
TWENTY-THIRD EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 32-7 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 10</u>						
SF-078996	T-31-N, R-7-W Sec. 3: Lots 5, 6,7,8, N/2SE/4, W/2SW/4 Sec. 4: Lots 5, 6,7,8, S/2 Sec. 5: Lots 5, 6,7,8, SE/4, E/2SW/4 Sec. 7: Lots 6,7, SW/4NE/4, N/2SE/4 Sec. 8: E/2	1525.44	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>	14.541822%
<u>TRACT 11</u>						
SF-078998	T-31-N, R-7-W Sec. 9: N/2 Sec. 17: All T-32-N, R-7-W Sec. 33: E/2SE/4 Sec. 34: SE/4	1200.00	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>	11.439444%
<u>TRACT 12</u>						
NM-2995	T-32-N, R-7-W Sec. 26: SW/4NW/4	40.00	Royalty Working Interest Southland Royalty Co. ORRI Total	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	00.000000% 00.000000% 00.000000% <u>00.000000%</u>	00.000000%
<u>TRACT 15</u>						
NM 05540	T-32-N, R-7-W Sec. 9: SW/4SW/4	40.00	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>	.381315%

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 32-7 Unit #14-08-001-441
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) Pictured Cliffs/Mesaverde well, which was timely drilled.

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
Fruitland/Pictured Cliffs, commercial	1
Pictured Cliffs, commercial	12
Pictured Cliffs, non-commercial	3
Pictured Cliffs/Mesaverde, commerciality undetermined	1
Pictured Cliffs/Mesaverde, commercial	2
Pictured Cliffs/Mesaverde, (Pictured Cliffs non-commercial, Mesaverde commercial)	1
Pictured Cliffs/Mesaverde, (Pictured Cliffs undetermined, Mesaverde commercial)	1
Mesaverde, commercial	33

Assistant Area Oil and Gas Supervisor
Commissioner of Public Lands
Oil Conservation Commission
San Juan 32-7 1986 Drilling Program
March 27, 1986
Page -2-

Mesaverde, non-commercial	1
Mesaverde, plugged and abandoned	4
Mesaverde/Dakota, commercial	1
Mesaverde/Dakota (Mesaverde commercial, Dakota non-commercial)	2
Dakota, commercial	3
Dakota, commerciality undetermined	8
Dakota, non-commercial	<u>3</u>
TOTAL	78

Pursuant to Section 10 of the San Juan 32-7 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

APPROVED _____

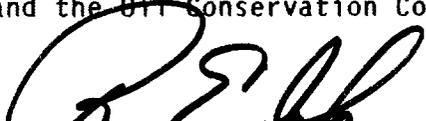
Assistant District Manager for Minerals
Bureau of Land Management
Subject to like approval by the
Commissioner of Public Lands and the
Oil Conservation Commission

DATE _____

APPROVED _____

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

DATE _____



SAN JUAN 32-7 UNIT
WORKING INTEREST OWNERS
(PC)

Mr. J. Glenn Turner, Jr.
1700 Mercantile National Bank Building
Dallas, Texas 75201

Mr. Fred E. Turner
One Energy Square - Suite 852
4925 Greenville Avenue
Dallas, Texas 75206

Elizabeth T. Calloway
4801 St. Johns Drive
Dallas, Texas 75206

Mr. John L. Turner
800 Diamond Shamrock Tower
Dallas, TX 75201

Mercantile National Bank of Dallas, Trustee
Mary Frances Turner, Jr.
Personal Trust Department
P. O. Box 225415
Dallas, Texas 75206

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

Amoco Production Co.
Western Division, Production Manager
1670 Broadway
Denver, Colorado 80202

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

0043t

NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES

LAND DEPARTMENT

597-85

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

March 25, 1986

#420

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
Post Office Box 1148
Santa Fe, NM 87501

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

Re: San Juan 32-7 Unit #14-08-001-441
San Juan County, New Mexico
NOTICE OF COMPLETION OF NON-COMMERCIAL WELLS
DAKOTA FORMATION

Gentlemen:

Pursuant to the provisions of Section 11(b) of the San Juan 32-7 Unit Agreement, Northwest Pipeline Corporation, as Unit Operator, has determined that the following described wells are not capable of producing unitized substances in paying quantities from the Dakota Formation.

The San Juan 32-7 Unit #62 well is located 970 feet from the South line and 805 feet from the West line of Section 27, Township 32 North, Range 7 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on December 27, 1980 and completed on May 19, 1981 in the Dakota Formation at a plug back depth of 8211'. The Dakota Formation was perforated with twelve holes between the following depths:

8140' to 8202'

Assistant District Manager
Commissioner of Public Lands
Oil Conservation Division
March 25, 1986
Page -2-

These perforations were sand-water fractured with 30,500 gallons of treated fluid and 32,500 lbs. of 20/40 sand. The well was shut-in with a SIP of 2708 psig. On May 19, 1981 the well was tested and after flowing for three hours through a 3/4 inch variable choke, the well gauged 620 Mcf/D with a calculated AOF of 625 Mcf/D.

The San Juan 32-7 #67 well is located 1710 feet from the South line and 910 feet from the West line, Section 36, Township 32 North, Range 7 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on January 23, 1981 and completed on May 26, 1981. The Dakota Formation was perforated with eleven holes between the following depths:

8216' - 8276'

These perforations were sand/water fractured with 21,500 gallons of treated fluid and 50,000 lbs. of 20/40 sand. The well was shut-in with a SIP of 2576 psig. On May 26, 1981 the well was tested for three hours through a 3/4 inch variable choke on the 2 3/8 inch tubing. The well gauged 594 Mcf/D with a calculated AOF of 598 Mcf/D.

The San Juan 32-7 #68 well is located 920 feet from the South line and 1080 feet from the East line, Section 34, Township 32 North, Range 7 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on January 14, 1981 and completed on May 27, 1981. The Dakota Formation was perforated with twelve holes between the following depths:

8208' - 8276'

These perforations were fractured with 21,500 gallons of fluid and 50,000 lbs. of 40/60 sand. This well was shut-in with a SIPT of 2725 psig and SIPC of 2716 psig. On May 27, 1981 the well was tested for three hours through a 3/4 inch variable choke. The well gauged 1298 Mcf/D with a calculated AOF of 1335 Mcf/D.

Assistant District Manager
Commissioner of Public Lands
Oil Conservation Division
March 25, 1986
Page -3-

If these determinations meet 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.

Sincerely,

NORTHWEST PIPELINE CORPORATION



Darrell L. Gillen
Land Coordinator

DLG:js

Attachment

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

Assistant District Manager
Commissioner of Public Lands
Oil Conservation Commission
March 25, 1986
Page -4-

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 4-10-86

SAN JUAN 32-7 UNIT
WORKING INTEREST OWNERS
(PC)

Mr. J. Glenn Turner, Jr.
1700 Mercantile National Bank Building
Dallas, Texas 75201

Mr. Fred E. Turner
One Energy Square - Suite 852
4925 Greenville Avenue
Dallas, Texas 75206

Elizabeth T. Calloway
4801 St. Johns Drive
Dallas, Texas 75206

Mr. John L. Turner
800 Diamond Shamrock Tower
Dallas, TX 75201

Mercantile National Bank of Dallas, Trustee
Mary Frances Turner, Jr.
Personal Trust Department
P. O. Box 225415
Dallas, Texas 75206

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

Amoco Production Co.
Western Division, Production Manager
1670 Broadway
Denver, Colorado 80202

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

NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES 

LAND DEPARTMENT

110-86

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

March 10, 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
Post Office Box 1148
Santa Fe, NM 87501

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

Re: San Juan 32-7 Unit #14-08-001-441
San Juan County, New Mexico
NOTICE OF COMPLETION OF ADDITIONAL WELL
PICTURED CLIFFS FORMATION

Gentlemen:

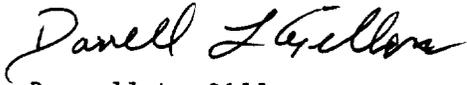
The Notice of Completion of Additional Well, which was filed February 3, 1986 for the San Juan 32-7 #46 well has been approved by the Bureau of Land Management on 2/24/86 and Commissioner of Public Lands on 3/5/86.

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

March 10, 1986
Page -2-

Sincerely,

NORTHWEST PIPELINE CORPORATION

A handwritten signature in cursive script that reads "Darrell L. Gillen".

Darrell L. Gillen
Land Coordinator

DLG:js

Attachments

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

SAN JUAN 32-7 UNIT
WORKING INTEREST OWNERS
(PC)

Mr. J. Glenn Turner, Jr.
1700 Mercantile National Bank Building
Dallas, Texas 75201

Mr. Fred E. Turner
One Energy Square - Suite 852
4925 Greenville Avenue
Dallas, Texas 75206

Elizabeth T. Calloway
4801 St. Johns Drive
Dallas, Texas 75206

Mr. John L. Turner
800 Diamond Shamrock Tower
Dallas, TX 75201

Mercantile National Bank of Dallas, Trustee
Mary Frances Turner, Jr.
Personal Trust Department
P. O. Box 225415
Dallas, Texas 75206

Meridian Oil
Attn: Land Department
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Farmington, NM 87499

Amoco Production Co.
Western Division, Production Manager
1670 Broadway
Denver, Colorado 80202

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



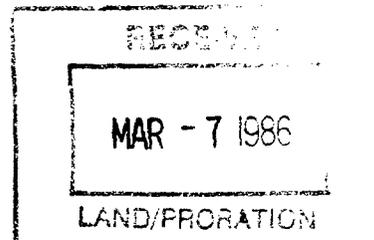
JIM BACA
COMMISSIONER

State of New Mexico



Commissioner of Public Lands

March 5, 1986



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

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

Re: San Juan 32-7 Unit
San Juan County, New Mexico
Notice of Completion of
Additional Well
Pictured Cliffs Formation

ATTENTION: Mr. Darrell L. Gillen

Gentlemen:

This office is in receipt of your letter of February 3, 1986, entitled Notice of Completion of Additional Well for the San Juan 32-7 Unit Area. This notice advises that as Unit Operator you have determined that the San Juan 32-7 Unit Well No. 46 is capable of producing unitized substances in paying quantities from the Pictured Cliffs Formation.

The Commissioner of Public Lands concurs with your determination and has this date approved your application. This approval is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management. Inasmuch as this well was drilled within the existing Pictured Cliffs Participating Area, the Participating Area is not affected by virtue of this commercial well and the percentages of participation will remain the same.

Enclosed is an approved copy for your files.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

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

JB/FOP/pm
encls.

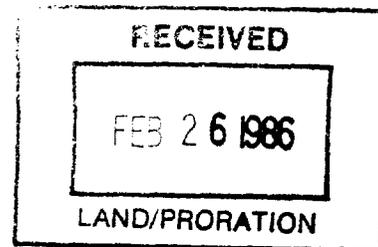
cc: OCD-Santa Fe, New Mexico
BLM-Albuquerque, New Mexico Attn: Fluid Branch
BLM-Roswell, New Mexico Attn: Mr. Armando Lopez



United States Department of the Interior SJ 32-7
3180 (015)

BUREAU OF LAND MANAGEMENT
ALBUQUERQUE DISTRICT OFFICE

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



FEB 24 1986

Northwest Pipeline Corporation
ATTN: Darrell L. Gillen
P.O. Box 8900
Salt Lake City, UT 84108-0900

Gentlemen:

By letter dated February 3, 1986, we received a notice of completion of an additional well in the Pictured Cliffs Formation, San Juan 32-7 Unit, San Juan County, New Mexico. Northwest Pipeline Corporation, as unit operator, has determined that the San Juan 32-7 Unit well No. 46 located 1080 feet from the north line and 1540 feet from the East line, section 34, T. 32 N., R. 7 W., NMPM, is capable of producing unitized substances in paying quantities from the Pictured Cliffs Formation. We concur with your determination.

The well was completed in the existing Pictured Cliffs Participating Area and therefore, no revision is necessary. This notice is hereby accepted for record. In the future, please submit four copies of any unit action.

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

Sincerely,

For District Manager

Enclosure

State of New Mexico



JIM BACA
COMMISSIONER



Commissioner of Public Lands

March 5, 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 32-7 Unit
San Juan County, New Mexico
Notice of Completion of
Additional Well
Pictured Cliffs Formation

ATTENTION: Mr. Darrell L. Gillen

Gentlemen:

This office is in receipt of your letter of February 3, 1986, entitled Notice of Completion of Additional Well for the San Juan 32-7 Unit Area. This notice advises that as Unit Operator you have determined that the San Juan 32-7 Unit Well No. 46 is capable of producing unitized substances in paying quantities from the Pictured Cliffs Formation.

The Commissioner of Public Lands concurs with your determination and has this date approved your application. This approval is subject to like approval by the New Mexico Oil Conservation Division and the Bureau of Land Management. Inasmuch as this well was drilled within the existing Pictured Cliffs Participating Area, the Participating Area is not affected by virtue of this commercial well and the percentages of participation will remain the same.

Enclosed is an approved copy for your files.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

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

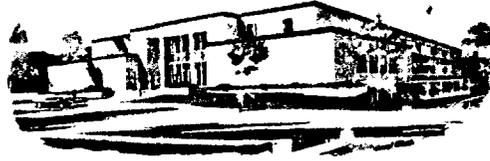
JB/FOP/pm
encls.

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

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 32-7 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.

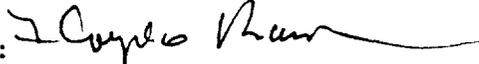
Your application advises that the drilling of Well No. 83 MV, T32N, R7W, Sec. 28: W $\frac{1}{2}$, created two intervening drilling blocks; Sec. 29: E $\frac{1}{2}$ and Sec. 33: W $\frac{1}{2}$.

This office concurs with the Bureau of Land Management and has this date granted you a two year extension, with the stipulation that drilling commence on these two intervening blocks before the end of the extension.

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. PRANDO, 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 

LAND DEPARTMENT

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

February 3, 1986

108-86

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

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

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

Re: San Juan 32-7 Unit #14-08-001-441
San Juan County, New Mexico
NOTICE OF COMPLETION OF
ADDITIONAL WELL
Pictured Cliffs Formation

Gentlemen:

Pursuant to the provisions of Section 11(a) of the San Juan 32-7 Unit Agreement, Northwest Pipeline Corporation, as Unit Operator, has determined that the following described well is capable of producing unitized substances in paying quantities from the Pictured Cliffs Formation.

The well data is as follows:

The San Juan 32-7 Unit #46 well is located 1080 feet from the North line and 1540 feet from the East line of Section 34, Township 32 North, Range 7 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on October 25, 1982 and completed in the Pictured Cliffs formation on November 23, 1982. The plug back depth is 6150'. The Pictured Cliffs formation was perforated with a total of 14 holes at the following depths:

Bureau of Land Management
Commissioner of Public Lands
Oil Conservation Commission
February 3, 1986
Page -2-

3558', 3568', 3578', 3588', 3600', 3680', 3690', 3700', 3710', 3720',
3730', 3740', 3750', and 3760'.

These perforations were treated and sand water fractured using 63,040 gallons of treated fluid followed by 50,000 pounds of 10/20 sand. The Pictured Cliffs formation was tested on December 20, 1982 using a positive choke. During the three-hour test, the well made 428 Mcf of gas against a flowing tubing pressure of 270 psig. Both the SITP and the SICP were 1448 psig. The well produced a light mist of water and a trace of condensate throughout the test. The calculated AOF was 8581 Mcfd.

The Pictured Cliffs side of this well has been determined to be commercial.

Since this well was drilled within the existing Pictured Cliffs 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 as shown on the attached sheet.

Sincerely,



Darrell L. Gillen
Land Coordinator

DLG:js

Attachments

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

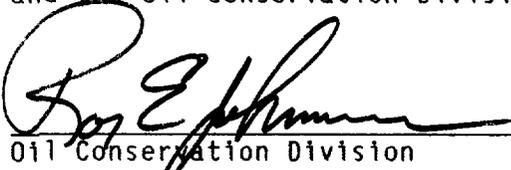
Minerals Management Service
Commissioner of Public Lands
Oil Conservation Commission
February 3, 1986
Page -3-

APPROVED _____
Assistant District Manager, Minerals
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
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 2-12-86

The foregoing is for the approval of Notice of Completion of Additional Well
San Juan 32-7 Unit #46 Well.

SAN JUAN 32-7 UNIT
WORKING INTEREST OWNERS
(PC)

Mr. J. Glenn Turner, Jr.
1700 Mercantile National Bank Building
Dallas, Texas 75201

Mr. Fred E. Turner
One Energy Square - Suite 852
4925 Greenville Avenue
Dallas, Texas 75206

Elizabeth T. Calloway
4801 St. Johns Drive
Dallas, Texas 75206

Mr. John L. Turner
800 Diamond Shamrock Tower
Dallas, TX 75201

Mercantile National Bank of Dallas, Trustee
Mary Frances Turner, Jr.
Personal Trust Department
P. O. Box 225415
Dallas, Texas 75206

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

Amoco Production Co.
Western Division, Production Manager
1670 Broadway
Denver, Colorado 80202

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

NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES 

LAND DEPARTMENT

110-86

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

February 3, 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. Ray D. Graham
Post Office Box 1148
Santa Fe, NM 87501

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

Re: San Juan 32-7 Unit #14-08-001-441
San Juan County, New Mexico
NOTICE OF COMPLETION OF NON-COMMERCIAL WELLS
DAKOTA FORMATION

Gentlemen:

The Notice of Completion of Non-Commercial Well, which was filed August 27, 1985 for the San Juan 32-7 #60 well has been approved by the regulatory agencies as follows:

Bureau of Land Management
Commissioner of Public Lands

12/09/85
01/08/86

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

February 3, 1986
Page -2-

Sincerely,

NORTHWEST PIPELINE CORPORATION


Darrell L. Gillen
Land Coordinator

DLG:js

Attachments

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

SAN JUAN 32-7 UNIT
WORKING INTEREST OWNERS
(PC)

Mr. J. Glenn Turner, Jr.
1700 Mercantile National Bank Building
Dallas, Texas 75201

Mr. Fred E. Turner
One Energy Square - Suite 852
4925 Greenville Avenue
Dallas, Texas 75206

Elizabeth T. Calloway
4801 St. Johns Drive
Dallas, Texas 75206

Mr. John L. Turner
800 Diamond Shamrock Tower
Dallas, TX 75201

Mercantile National Bank of Dallas, Trustee
Mary Frances Turner, Jr.
Personal Trust Department
P. O. Box 225415
Dallas, Texas 75206

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

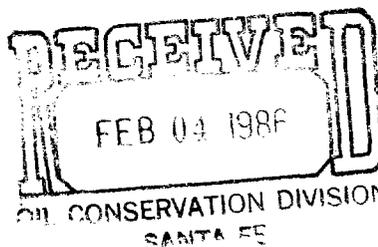
Amoco Production Co.
Western Division, Production Manager
1670 Broadway
Denver, Colorado 80202

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

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

San Juan 32-7
Unit 3180 (015)

JAN 31 1986



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

Gentlemen:

We have received your application dated December 4, 1985, requesting that an extension of time be given to drill two intervening drilling block wells in San Juan 32-7 Unit, San Juan County, New Mexico.

In the application you state that the completion of well No. 83, W. $\frac{1}{2}$, sec. 28, T. 32 N., R. 7 W., created two intervening drilling blocks; E $\frac{1}{2}$ sec. 29, T. 32 N., R 7 W., and W $\frac{1}{2}$, sec. 33, T. 32 N., R., 7 W. Because of the decline on the gas market, you ask that the extension of time given be that time which would be prudent and cost effective to drill these two intervening blocks.

At the present time, we agree that it would not be prudent or cost effective to drill under the present economic conditions. Therefore, a two year extension is granted, with the stipulation that drilling commence on these two intervening blocks before the end of the extension.

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

Sincerely,

(Orig. Signed) - Sid Vogelpohl

For District Manager

cc:
Micrographics (943B-1)
NMOCD
Com. of Publ. Lands, Santa Fe
FRAH Fluids (016)
O&G chron

015:GKeller:klm:1-29-86:1466M

State of New Mexico



JIM BACA
COMMISSIONER



Commissioner of Public Lands

January 8, 1986

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148
Express Mail Delivery Used
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 32-7 Unit
Notice of Completion of Non-Commercial
Well Dakota Formation
San Juan County, New Mexico

ATTENTION: Mr. Darrell L. Gillen

Gentlemen:

This office is in receipt of your letter of August 27, 1985 entitled Notice of Completion of Non-Commercial Well for the San Juan 32-7 Unit Area. Such notice advises that the Unit Well No. 60 is not capable of producing unitized substances in paying quantities from the Dakota Formation.

The Commissioner of Public Lands concurs with your determination and has this date approved your application. This 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: *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 Attn: Fluids Branch
BLM-Roswell, New Mexico Attn: Mr. Armando Lopez

NORTHWEST PIPELINE CORPORATION 
ONE OF THE WILLIAMS COMPANIES

845-85

LAND DEPARTMENT

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

December 16, 1985

State of New Mexico
Oil Conservation Division
Attn: Roy Johnson
P. O. Box 2088
Santa Fe, NM 87501

Re: San Juan 32-7 Unit #14-08-001-441
Application for Approval of the 21st, 22nd,
23rd Expanded Participating Area (MV)

Dear Sir:

On April 18, 1985 pursuant to Section 11(a) of the San Juan 32-7 Unit Agreement, Northwest Pipeline Corporation, as Unit Operator, filed application for approval of the Twenty-first, Twenty-second, and Twenty-third Expanded Participating Areas, Mesaverde Formation.

Enclosed are copies of the Bureau of Land Management and Commissioner of Public Lands letters of approval. These are forwarded to you in an effort to help expedite your letter of approval since you may not have been so informed.

If you have any questions, please contact me.

Sincerely,

NORTHWEST PIPELINE CORPORATION


LaVerne Mellen
Lands

LM:js

Enclosures



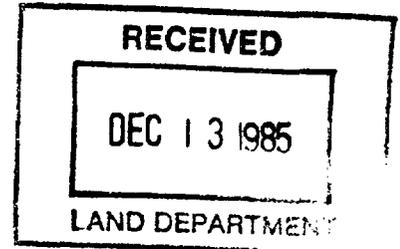
IN REPLY REFER TO:

United States Department of the Interior

San Juan 32-7 Unit

BUREAU OF LAND MANAGEMENT ALBUQUERQUE DISTRICT OFFICE

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



DEC 09 1985

Northwest Pipeline Corporation
ATTN: Darrell L. Gillen
295 Chipeta Way
Salt Lake City, UT 84108

Gentlemen:

By letter dated August 27, 1985, we received a Notice of Completion of a Non-Commercial Well, Dakota Formation, San Juan 32-7 Unit, San Juan County, New Mexico. Northwest Pipeline Corp., as unit operator, has determined that the San Juan 32-7 Unit Well No. 60, located 900 feet from the North line and 830 feet from the East line, section 20, T. 32 N., R. 7 W., NMPM is not capable of producing unitized substances in paying quantities from the Dakota Formation. This notice is hereby accepted for the record.

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

Sincerely,

For District Manager

NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES 

LAND DEPARTMENT

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

241-85

December 4, 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 32-7 Unit #14-08-001-441
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 #83 MV, T32N, R7W, Sec. 28: W/2 created two (2) intervening drilling blocks; Sec. 29: E/2 and Sec. 33: W/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.

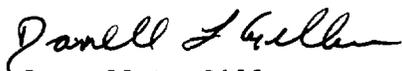
Therefore, Northwest requests that an extension of time be given to drill the intervening drilling block wells. We ask that the extension of time given be that time which would be prudent and cost effective; determined from an evaluation of the gas market, instead of one year from the effective date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

Assistant Area Oil and Gas Supervisor
Commissioner of Public Lands
Oil Conservation Commission
San Juan 32-7 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 32-7 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 32-7 UNIT
WORKING INTEREST OWNERS
(MV)

Mr. J. Glenn Turner, Jr.
1700 Mercantile National Bank Building
Dallas, Texas 75201

Mr. Fred E. Turner
One Energy Square - Suite 852
4925 Greenville Avenue
Dallas, Texas 75206

Elizabeth T. Calloway
4801 St. Johns Drive
Dallas, Texas 75206

Mr. John L. Turner
800 Diamond Shamrock Tower
Dallas, TX 75201

Mercantile National Bank of Dallas, Trustee
Mary Frances Turner, Jr.
Personal Trust Department
P. O. Box 225415
Dallas, Texas 75206

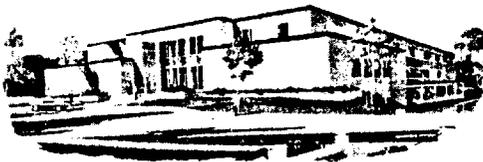
Meridian Oil
Attn: Land Department
P. O. Box 4289
Farmington, NM 87499

Amoco Production Co.
Western Division, Production Manager
1670 Broadway
Denver, Colorado 80202

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

State of New Mexico

#420



Commissioner of Public Lands

November 15, 1985

JIM BACA
COMMISSIONER

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 1526
Salt Lake City, Utah 84110-1526

Re: San Juan 32-7 Unit
Approved 21st, 22nd and 23rd
Expanded Mesaverde Participating Area
San Juan County, New Mexico

ATTENTION: Mr. Darrell L. Gillen

Gentlemen:

The Commissioner of Public Lands has this date approved the Twenty-First, Twenty-Second and Twenty-Third Expanded Participating Areas, to the Mesaverde Formation for the San Juan 32-7 Unit, San Juan County, New Mexico.

The 21st revision adds 314.76 acres described as the W/2 of Section 18, Township 32 North, Range 7 West, to the Mesaverde Participating Area and is effective as of February 1, 1982. The 21st Revision is predicated upon the commercial completion of the Unit Well No. 76.

The 22nd revision adds 307.77 acres described as Lots 6, 7, SW $\frac{1}{4}$ NE $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, Section 7 and that part of resurvey tract No. 54, lying in Sections 6 and 7, Township 31 North, Range 7 W, to the Mesaverde Participating Area and is effective as of March 1, 1982. The 22nd revision is predicated upon the commercial completion of the Unit Well No. 79.

The 23rd revision adds 160.00 acres described as the NW $\frac{1}{4}$ of Section 26, Township 32 North, Range 7 West to the Mesaverde Participating Area and is effective as of November 1, 1982. The 23rd revision is predicated upon the commercial completion of the Unit Well No. 60. The Bureau of Land Management has previously approved these revisions by their letter of October 11, 1985.

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

NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES 

LAND DEPARTMENT

845-85

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

November 7, 1985

State of New Mexico
Public Land Board
Attn: Pete Martinez
P. O. Box 1148
Santa Fe, NM 87501

State of New Mexico
Oil Conservation Division
Attn: Roy Johnson
P. O. Box 2088
Santa Fe, NM 87501

Re: San Juan 32-7 Unit #14-08-001-441
Application for Approval of the 21st, 22nd,
23rd Expanded Participating Area (MV)

Dear Sirs:

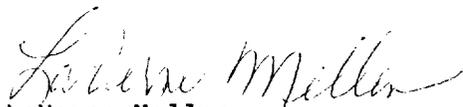
On April 18, 1985 pursuant to Section 11(a) of the San Juan 32-7 Unit Agreement, Northwest Pipeline Corporation, as Unit Operator, filed application for approval of the Twenty-first, Twenty-second, and Twenty-third Expanded Participating Areas, Mesaverde Formation.

Enclosed is a copy of the Bureau of Land Management letter of approval dated October 11, 1985. This is forwarded to you in an effort to help expedite your letters of approval since it has come to my attention that the BLM has a backlog and you may not have been informed.

If you have any questions, please contact me.

Sincerely,

NORTHWEST PIPELINE CORPORATION


LaVerne Mellen
Lands

LM:js

Enclosures



United States Department of the Interior

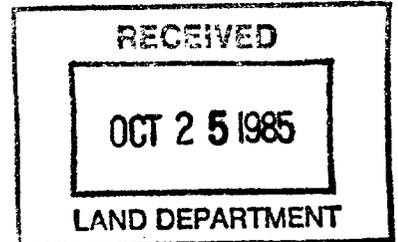
BUREAU OF LAND MANAGEMENT
ALBUQUERQUE DISTRICT OFFICE

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

IN REPLY REFER TO:

SJ 32-7 Unit
3100 (015)

OCT 11 1985



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

Gentlemen:

We have received your letter of April 18, 1985 in which you requested the approval of the 21st, 22nd, and 23rd expanded (revised) Participating Area Mesaverde Formation, San Juan 32-7 Unit, San Juan County, New Mexico.

The application for approval of the 21st revision seeks to add 314.76 acres described as Lots 1, 2, 3, 4 E $\frac{1}{2}$ W $\frac{1}{2}$ (W $\frac{1}{2}$), section 18 T. 32 N., R. 7 W., NMPM to the Mesaverde Participating Area. Contributing to this area is the completion of the San Juan Unit No. 76 well. The 21st revision was approved on this date and is effective February 1, 1982.

The application for approval of the 22nd revision seeks to add 307.77 acres (157.24 acres committed) described as Lots 6 and 7, SW $\frac{1}{4}$ NE $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, section 7 and that part of resurvey tract No. 54, lying in sections 6 and 7, T. 31 N., R. 7 W., NMPM to the Mesaverde Participating Area. Contributing to this area is the San Juan Unit No. 79 well. The 22nd revision was approved this date, and is effective March 1, 1982.

The application for approval of the 23rd revision seeks to add 160.00 acres (80.00 acres committed) described as the NW $\frac{1}{4}$, section 26, T. 32 N, R. 7 W., NMPM to the Mesaverde Participating Area. Contributing to this area is the completion of the Allison Gas Com. No. 60 well. The 23rd revision was approved this date and is effective November 1, 1982.

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

Sincerely,

For District Manager

Enclosure

400

SEP 16 1985

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

50 YEARS



1935 - 1985

September 10, 1985

TONEY ANAYA
GOVERNOR

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

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

Attention: Darrell L. Gillen

Re: San Juan 32-7 Unit #14-08-001-441
San Juan County, New Mexico
CORRECTION
NOTICE OF COMPLETION OF NON-COMMERCIAL WELL
DAKOTA 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 

LAND DEPARTMENT

597-85

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

August 27, 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
Post Office Box 1148
Santa Fe, NM 87501

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

Re: San Juan 32-7 Unit #14-08-001-441
San Juan County, New Mexico
CORRECTION
NOTICE OF COMPLETION OF NON-COMMERCIAL WELL
DAKOTA FORMATION

Gentlemen:

Pursuant to the provisions of Section 11(b) of the San Juan 32-7 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 32-7 Unit #60 well is located 900 feet from the North Line and 830 feet from the East Line, Section 20, Township 32 North, Range 7 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on January 7, 1980 and completed on June 20, 1980 in the Dakota Formation at a plug back depth of 8006'. The Dakota Formation was perforated with one hole at each of the following depths:

7916', 7918', 7920', 7922', 7224', 7926', 7928', 7930', 7932',
7958', 7960', 7962', 7964', 7966', 7968', 7970, 7972'

These perforations were treated with 500 gallons of 7 1/2% HCL followed by a sand-water fracturing. The well was shut in May 20, 1980 for 31 days

Assistant District Manager
Commissioner of Public Lands
Oil Conservation Division
August 27, 1985
Page -2-

with a SIPT of 2112 psig and SIPC of 2350 psig. On June 20, 1980 the well was tested and after flowing for three hours through a 3/4 inch variable choke on the 2 3/8 inch tubing, the well gauged 939 MCFD with a calculated AOF of 948 MCFD.

If these determinations meet 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.

Sincerely,

NORTHWEST PIPELINE CORPORATION



Darrell L. Gillen
Land Coordinator

DLG:js

Attachment

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

Assistant District Manager
Commissioner of Public Lands
Oil Conservation Commission
August 27, 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 United States Geological Survey
and the Oil Conservation Division

DATE _____

APPROVED _____


Oil Conservation Division
Subject to like approval by the
United States Geological Survey
and the Commissioner of Public Lands

DATE 9-9-85

SAN JUAN 32-7 UNIT
WORKING INTEREST OWNERS

Mr. J. Glenn Turner, Jr.
1700 Mercantile National Bank Building
Dallas, Texas 75201

Mr. Fred E. Turner
One Energy Square - Suite 852
4925 Greenville Avenue
Dallas, Texas 75206

Elizabeth T. Calloway
4801 St. Johns Drive
Dallas, Texas 75206

Mr. John L. Turner
800 Diamond Shamrock Tower
Dallas, TX 75201

Mercantile National Bank of Dallas, Trustee
Mary Frances Turner, Jr.
Personal Trust Department
P. O. Box 225415
Dallas, Texas 75206

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

Amoco Production Co.
Western Division, Production Manager
1670 Broadway
Denver, Colorado 80202

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

Pertinent Data
San Juan 32-7 Unit
Well #60 (DK)

Drilling Block
N/2 T32N R7W
Section 20

Dedicated Acres
320

The San Juan 32-7 Unit #60 well is located 900 feet from the North line and 830 feet from the East line, Section 20, Township 32 North, Range 7 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on January 7, 1980 and completed on June 20, 1980 in the Dakota Formation at a plug back depth of 8006'. The Dakota Formation was perforated with one hole at each of the following depths:

7916', 7918', 7920', 7922', 7924', 7926',
7928', 7930', 7932', 7958', 7960', 7962',
7964', 7966', 7968', 7970', and 7972'.

These perforations were treated with 500 gallons of 7 1/2% HCL followed by a sand-water fracturing. The well was shut-in May 20, 1980 for 31 days with a SIPT of 2112 psig and SIPC of 2350 psig. On June 20, 1980 the well was tested and after flowing for three hours through a 3/4 inch variable choke on the 2 3/8 inch tubing, the well gauged 939 Mcf/D with a calculated AOF of 948 Mcf/D.

This well was determined to be non-commercial on August 23, 1985.

-NORTHWEST PIPELINE CORPORATION
 GAS RESERVES DEPARTMENT ECONOMIC STUDY
 COMMERCIALITY OF SJ 32-7 UNIT #60 DK

THU AUGUST 22, 1985
 1:20:24 PM

WORKING INT. B/PAYOUT.....% 100.0
 WORKING INT. A/PAYOUT.....% 100.0
 INCOME TAX.....% 46.0
 UNIT OF PRODUCTION DEPRECIATION

ANNUAL COST INFLATION.....% 0.0
 ANNUAL PRICE INFLATION.....% 0.0
 NEG INC TAX OFFSET BY OTHER INCOME

GAS PRODUCTION FROM SJ 32-7 UNIT #60 DK

LAND OWNER ROYALTY.....% 12.5
 AD VALOREM AND SEV TAXES...% 8.6
 MONTH OF CAPITAL EXPENSE.... 1
 DRILLING COSTS (\$1000)..... 344.0
 SALVAGE VALUE (\$1000)..... 0.0

OVERRIDING ROYALTY..... 0.0
 OPERATING COSTS (\$/MO)..... 550.0
 OPERATING COSTS (% OF PROD). 0.0
 TANGIBLE \$ (% OF DRILLING \$) 30.0

INITIAL MONTH	\$/D	TO \$/D	ENDING MONTH
15	689.0	374.0	18
18	374.0	361.0	21
21	361.0	235.0	24
24	235.0	241.0	27
27	241.0	266.0	30
30	266.0	99.0	33
33	99.0	126.0	36
36	126.0	160.0	39
39	160.0	277.0	42
42	277.0	187.0	45
45	187.0	55.0	48
48	55.0	72.0	51
51	72.0	126.0	54
54	126.0	135.0	57
57	135.0	39.0	60
60	39.0	72.0	63
63	72.0	66.0	71
71	66.0	64.0	79
79	64.0	59.0	87
87	59.0	38.0	174
174	38.0	34.0	254
254	34.0	0.0	255

-NORTHWEST PIPELINE CORPORATION
 GAS RESERVES DEPARTMENT ECONOMIC STUDY
 COMMERCIALITY OF SJ 32-7 UNIT #60 DK

THU AUGUST 22, 1985
 1:20:24 PM

WORKING INT. B/PAYOUT.....%	100.0	ANNUAL COST INFLATION.....%	0.0
WORKING INT. A/PAYOUT.....%	100.0	ANNUAL PRICE INFLATION....%	0.0
INCOME TAX.....%	46.0	NEG INC TAX OFFSET BY OTHER INCOME	

UNIT OF PRODUCTION DEPRECIATION

YEAR	AVG \$/MCF	AVG \$/D	ANNUAL DOLLARS	ROYALTY DOLLARS	REVENUE AFTER ROYALTY \$1000
1980	----	0	0.	0.	0.
1981	4.60	333	121702.	15213.	106.
1982	4.47	189	69000.	8625.	60.
1983	4.07	171	62373.	7797.	55.
1984	3.54	92	33433.	4179.	29.
1985	2.81	66	24135.	3017.	21.
1986	2.77	64	23243.	2905.	20.
1987	2.77	58	21203.	2650.	19.
1988	2.77	55	19928.	2491.	17.
1989	2.77	51	18755.	2344.	16.
1990	2.77	48	17651.	2206.	15.
1991	2.77	45	16611.	2076.	15.
1992	2.77	43	15633.	1954.	14.
1993	2.77	40	14713.	1839.	13.
1994	2.77	38	13934.	1742.	12.
1995	2.77	37	13640.	1705.	12.
1996	2.77	37	13415.	1677.	12.
1997	2.77	36	13193.	1649.	12.
1998	2.77	36	12975.	1622.	11.
1999	2.77	35	12760.	1595.	11.
TOTAL.....			538291.	67287.	471.

DISCOUNT	****PRESENT VALUE****	DISCOUNTED PROFIT TO**
RATE	***** \$1000 *****	***INVESTMENT RATIO***
*** % ***	BEFORE TAX	AFTER TAX
-2.2	0.	0.00
-1.6		0.0
15.0	-170.	-116.
		-0.49
		-0.34

RATE OF RETURN B.T.
 0.0 RATE OF RETURN A.T.

-NORTHWEST PIPELINE CORPORATION
 GAS RESERVES DEPARTMENT ECONOMIC STUDY
 COMMERCIALITY OF SJ 32-7 UNIT #60 DK

THU AUGUST 22, 1985
 1:20:24 PM

WORKING INT. B/PAYOUT.....%	100.0	ANNUAL COST INFLATION.....%	0.0
WORKING INT. A/PAYOUT.....%	100.0	ANNUAL PRICE INFLATION.....%	0.0
INCOME TAX.....%	46.0	NEG INC TAX OFFSET BY OTHER INCOME	

UNIT OF PRODUCTION DEPRECIATION

YEAR	INCOME	**PROJECT EXPENSES IN \$1000*				****CASH FLOW ANALYSIS IN \$1000****				
	\$1000 *NET*	***** CAPI- *TAL*	***** DEPR.	AD.V. ***** SEV. TAXES	***** PROD. COSTS	***** BEFORE *TAXES	**CUM BEFORE TAXES	***** TAXED INCOME	***** INCOME TAXES	***** AFTER TAXES
1980	0	344	0	0	0	-344	-344	-241	-111	-233
1981	107	0	23	9	6	92	-252	68	32	60
1982	60	0	13	5	7	49	-204	35	16	32
1983	55	0	12	5	7	43	-160	31	14	29
1984	29	0	6	3	7	20	-140	14	6	14
1985	21	0	5	2	7	13	-128	8	4	9
1986	20	0	4	2	7	12	-116	8	3	9
1987	19	0	4	2	7	10	-105	6	3	7
1988	17	0	4	2	7	9	-96	5	3	7
1989	16	0	4	1	7	8	-88	5	2	6
1990	15	0	3	1	7	7	-80	4	2	6
1991	15	0	3	1	7	7	-73	3	2	5
1992	14	0	3	1	7	6	-68	3	1	5
1993	13	0	3	1	7	5	-62	2	1	4
1994	12	0	3	1	7	5	-58	2	1	4
1995	12	0	3	1	7	4	-54	2	1	4
1996	12	0	3	1	7	4	-49	2	1	3
1997	12	0	3	1	7	4	-45	1	1	3
1998	11	0	2	1	7	4	-42	1	1	3
1999	11	0	2	1	7	4	-38	1	1	3
TOTAL	471	344	103	41	125	-38	0	-38	-17	-21

THIS PROJECT DOES NOT PAYOUT

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

San Juan 32-7 Unit
3100 (010)

MAY 14 1985

420

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

Gentlemen:

Three approved copies of your 1985 Plan of Development for the San Juan 32-7 Unit area, San Juan County, New Mexico are enclosed. Such plan, proposing to drill a dual Pictured Cliffs/Mesaverde well during 1985, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

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

Sincerely yours,

(Orig. Signed) - Sid Vogelwohl

For District Manager

Enclosure(s)

cc:

~~UNCLD~~, Santa Fe
Comm. of Pub. Lands, Santa Fe
Micrographics 943E-1
Fluids Section FRAM
File: San Juan 32-7 Unit POD
O&G Chron

015:RKent:tt:5/13/85:0700M

Albuquerque, N.M. 87107-6710
P.O. Box 6710
Mineral Springs
Albuquerque, N.M. 87107-6710

10/10/10

10/10/10

SPR 10/15

NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES 

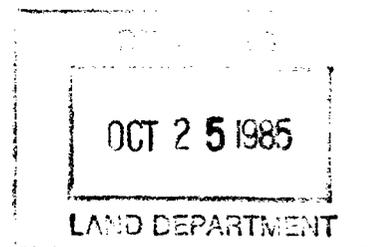
LAND DEPARTMENT

PO BOX 1526
SALT LAKE CITY UTAH 84110-1526
801-584-7215

0711t

April 18, 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 32-7 Unit #14-08-001-441
San Juan County, New Mexico

APPLICATION FOR APPROVAL OF THE TWENTY-FIRST EXPANDED PARTICIPATING AREA
Mesaverde Formation
Effective February 1, 1982

APPLICATION FOR APPROVAL OF THE TWENTY-SECOND EXPANDED PARTICIPATING AREA
Mesaverde Formation
Effective March 1, 1982

APPLICATION FOR APPROVAL OF THE TWENTY-THIRD EXPANDED PARTICIPATING AREA
Mesaverde Formation
Effective November 1, 1982

Gentlemen:

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 acreage committed to this Unit.

Assistant Area Oil and Gas Supervisor
Commissioner of Public Lands
Oil Conservation Commission
Page 2
April 18, 1985

TWENTY-FIRST EXPANDED PARTICIPATING AREA - Effective February 1, 1982

<u>Description of Lands</u>	<u>No. of Acres</u>
<u>Township 32 North, Range 7 West</u> Section 18: W/2	314.76

The well data is as follows:

The San Juan 32-7 Unit #76 Well is located 1770 feet from the north line and 1520 feet from the west line, Section 18, Township 32 North, Range 7 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on August 17, 1981. The Mesaverde Formation was completed on January 6, 1982 in a dual completion within the Pictured Cliffs Formation. This formation was perforated with 23 holes at the following depths:

5302' to 5700'

These perforations were treated with 5,000 gallons pad water followed by 80,000 pounds of 20/40 sand in fracturing fluid. The well was initially tested January 6, 1982, with a positive choke in a three hour test. The SITP was 1189 psig with a flowing pressure 143 psig producing at a rate of 1954 MCFD. The calculated AOF was 2053 MCFD.

TWENTY-SECOND EXPANDED PARTICIPATING AREA - Effective March 1, 1982

<u>Description of Lands</u>	<u>No. of Acres</u>
<u>Township 31 North, Range 7 West</u> Sections 6 & 7 (Section 7: Lots 6, 7, SW/4NE/4, N/2SE/4, and that part of Resurvey Tract 54 lying in Sections 6 & 7)	307.77

The well data is as follows:

The San Juan 32-7 Unit #79 Well is located 1910 feet from the south line and 1840 feet from the east line, Section 7, Township 31 North, Range 7 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on October 19, 1981 and is a dually completed well. The Mesaverde Formation was completed on December 4, 1981. This formation was perforated with 22 holes at the following depths:

5438', 5450', 5544', 5550', 5600', 5682', 5690', 5696',
5716', 5722', 5734', 5740', 5748', 5756', 5764', 5772',
5780', 5788', 5796', 5804', 5812', 5820'.

Assistant Area Oil and Gas Supervisor
Commissioner of Public Lands
Oil Conservation Commission
Page 3
April 18, 1985

These perforations were treated with 48,000 gallons pad water followed by 80,000 pounds of 20/40 sand. The well was initially tested on February 16, 1982 using a positive choke in a three hour test. The SITP was 1142 psig with a flowing tubing pressure of 273 psig producing at a rate of 3615 MCFD. The calculated AOF was 2019 MCFD.

TWENTY-THIRD EXPANDED PARTICIPATING AREA - Effective November 1, 1982

<u>Description of Lands</u>	<u>No. of Acres</u>
<u>Township 32 North, Range 7 West</u> Section 26: NW/4	160.00

The well data is as follows:

The Allison Unit Com #60 Well is located 1520 feet from the north line and 1530 feet from the east line, Section 26, Township 32 North, Range 7 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on September 27, 1982. The Mesaverde Formation was completed on October 26, 1982. The casing was perforated at the following depths:

5412', 5466', 5494', 5509', 5517', 5582', 5613', 5672',
5682', 5695', 5701', 5729', 5769', 5779', 5785', 5792',
5797', 5803', 5809', 5812', 5822', 5832', 5838', 5859',
5874', 5886', 5896', 5903', 5920', 5941', 5986', 6019',
6039', 6094', 6123'.

This formation was treated with 62,500 pounds of sand mixed with 140,330 gallons of water between 5768' to 6123' and 31,500 pounds of sand mixed with 69,920 gallons of water between 5412' to 5729'. The well was tested on October 26, 1982 with a flowing rate of 318 MCFD and an AOF of 1587 MCF. Shut-in pressure was 1006 psig.

Attached are Schedules XXI, XXII and XXIII and an Ownership Map showing the Twenty-First, Twenty-Second and Twenty-Third Expanded Participating Areas for the Mesaverde Formation of the San Juan 32-7 Unit Area. This Schedule describes the Expanded Participating Areas and shows the percentage of unitized substances allocated to each tract. Inasmuch as this needs no official approval, no provision is made therefore, and in the absence of disapproval, the subject expansions will become effective on the dates indicated.

Assistant Area Oil and Gas Supervisor
Commissioner of Public Lands
Oil Conservation Commission
Page 4
April 18, 1985

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

Very truly yours,

Darrell L. Gillen
Darrell L. Gillen
Land Coordinator

DLG:js
Attachments

cc: Working Interest Owners

OCT 11 1985
Approved _____
See Vogel
Assistant Land Manager
for Oil and Gas
Attachments District

SAN JUAN 32-7 UNIT
WORKING INTEREST OWNERS
(MV)

Mr. J. Glenn Turner, Jr.
1700 Mercantile National Bank Building
Dallas, Texas 75201

Mr. Fred E. Turner
One Energy Square - Suite 852
4925 Greenville Avenue
Dallas, Texas 75206

Elizabeth T. Calloway
4801 St. Johns Drive
Dallas, Texas 75206

Mr. John L. Turner
800 Diamond Shamrock Tower
Dallas, TX 75201

Mercantile National Bank of Dallas, Trustee
Mary Frances Turner, Jr.
Personal Trust Department
P. O. Box 225415
Dallas, Texas 75206

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

Amoco Production Co.
Attention: J. C. Burnside
1670 Broadway - Suite 1914
Amoco Building
Denver, Colorado 80202

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

SCHEDULE XXI
TWENTY-FIRST EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 32-7 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 1</u>						
SF-078459	<u>T-32-N, R-7-W</u> Sec. 22: A11	640.00	Royalty Working Interest Northwest Pipeline Corp. ORRI Total	12.500000% 82.500000% <u>5.000000%</u> 100.000000%	12.500000% 82.500000% <u>5.000000%</u> 100.000000%	6.242209%
<u>TRACT 2</u>						
SF-078460	<u>T-32-N, R-7-W</u> Sec. 7: Lots 4, 5, 6, SE/4SW/4 Sec. 8: SE/4SE/4 Sec. 17: A11 Sec. 18: Lots 1, 2, 3, 4, E/2W/2 (W/2) Sec. 20: N/2, N/2SW/4, SE/4SW/4, W/2SE/4 Sec. 21: SE/4, E/2NE/4	1887.86	Royalty Working Interest Northwest Pipeline Corp. ORRI Total	12.500000% 82.500000% <u>5.000000%</u> 100.000000%	12.500000% 82.500000% <u>5.000000%</u> 100.000000%	18.413152%
<u>TRACT 3</u>						
SF-078472	<u>T-32-N, R-7-W</u> Sec. 23: SW/4 Sec. 27: N/2 Sec. 28: NE/4 Sec. 29: NE/4NW/4, SE/4SW/4	720.00	Royalty Working Interest Northwest Pipeline Corp. ORRI Total	12.500000% 82.500000% <u>5.000000%</u> 100.000000%	12.500000% 82.500000% <u>5.000000%</u> 100.000000%	7.022486%

SCHEDULE XXI
TWENTY-FIRST EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 32-7 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 5</u>						
SF-078542	T-32-N, R-7-W Sec. 28: SE/4 Sec. 34: NE/4 Sec. 35: S/2	640.00	Royalty Working Interest Northwest Pipeline Corp. Gen Am. Oil Co. of Texas ORRI Total	12.500000% 61.875000% 20.625000% <u>5.000000%</u> <u>100.000000%</u>	12.500000% 61.875000% 20.625000% <u>5.000000%</u> <u>100.000000%</u>	6.242209%
<u>TRACT 6</u>						
SF-078543	T-32-N, R-7-W Sec. 27: S/2 Sec. 33: NE/4 Sec. 35: N/2	800.00	Royalty Working Interest Northwest Pipeline Corp. ORRI Total	12.500000% 82.500000% <u>5.000000%</u> <u>100.000000%</u>	12.500000% 82.500000% <u>5.000000%</u> <u>100.000000%</u>	7.802762%
<u>TRACT 7</u>						
SF-078669	T-32-N, R-7-W Sec. 21: W/2NW/4	80.00	Royalty Working Interest Southland Royalty ORRI Total	12.500000% 87.500000% <u>00.000000%</u> <u>100.000000%</u>	00.000000% 00.000000% <u>00.000000%</u> <u>00.000000%</u>	00.000000%
<u>TRACT 8</u>						
NM-33052	T-32-N, R-7-W Sec. 33: W/2SE/4	80.00	Royalty Working Interest Northwest Exploration Co. ORRI Total	12.500000% 87.500000% <u>00.000000%</u> <u>100.000000%</u>	00.000000% 00.000000% <u>00.000000%</u> <u>00.000000%</u>	00.000000%

SCHEDULE XXI
TWENTY-FIRST EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 32-7 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 10</u>						
SF-078996	<u>T-31-N, R-7-W</u> Sec. 3: Lots 5,6,7,8, N/2SE/4, W/2SW/4 Sec. 4: Lots 5,6,7,8, S/2 Sec. 5: Lots 5,6,7,8, SE/4, E/2SW/4 Sec. 8: E/2	1368.20	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>	13.344673%
<u>TRACT 11</u>						
SF-078998	<u>T-31-N, R-7-W</u> Sec. 9: N/2 Sec. 17: All <u>T-32-N, R-7-W</u> Sec. 33: E/2SE/4 Sec. 34: SE/4	1200.00	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>	11.704143%
<u>TRACT 15</u>						
NM 05540	<u>T-32-N, R-7-W</u> Sec. 9: SW/4SW/4	40.00	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>	.390138%

SCHEDULE XXI
TWENTY-FIRST EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 32-7 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 16</u>						
E-178-4	T-32-N, R-7-W Sec. 16: W/2W/2	160.00	Royalty Working Interest Unleased ORRI Total	12.500000% 87.500000% 00.000000% <u>100.000000%</u>	12.500000% 87.500000% 00.000000% <u>100.000000%</u>	1.560552%
<u>TRACT 17</u>						
E-503-3	T-32-N, R-7-W Sec. 16: E/2W/2	160.00	Royalty Working Interest El Paso Natural Gas ORRI Total	12.500000% 65.625000% 21.875000% <u>100.000000%</u>	12.500000% 62.625000% 21.875000% <u>100.000000%</u>	1.560552%
<u>TRACT 17-A</u>						
E-503-12	T-32-N, R-7-W Sec. 32: E/2W/2 Sec. 36: All	800.00	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>	7.802762%
<u>TRACT 21</u>						
Fee	T-32-N, R-7-W Sec. 7: Lots 1, 2,3, SE/4, NE/4SW/4 Sec. 8: Lots 1, 2,3, E/2SW/4, W/2SE/4, NE/4SE/4 Sec. 9: Lot 4, NW/4SW/4 Sec. 18: 13.86 acre tract in NE/4NE/4 Sec. 21: W/2NE/4, E/2NW/4	732.58	Royalty Working Interest Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% 00.000000% <u>100.000000%</u>	12.500000% 87.500000% 00.000000% <u>100.000000%</u>	7.145184%

SCHEDULE XXI
TWENTY-FIRST EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 32-7 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 21-A</u>						
Fee	T-32-N, R-7-W Sec. 7: 1 acre out of SW/4SE/4SE/4	1.00	Royalty Working Interest Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% 00.000000% <u>100.000000%</u>	12.500000% 87.500000% 00.000000% <u>100.000000%</u>	.009754%
<u>TRACT 22</u>						
Fee	T-32-N, R-7-W Sec. 7: 17.09 acres out of E/2SE/4 Sec. 18: W/2NE/4, SE/4NE/4, SE/4, 26.64 acre tract in NE/4NE/4 Sec. 20: SW/4SW/4 Sec. 29: NW/4NW/4, S/2NW/4, N/2SW/4, SW/4SW/4	603.73	Royalty Working Interest Northwest Pipeline Corp. ORRI Total	12.500000% 84.500000% 3.000000% <u>100.000000%</u>	12.500000% 84.500000% 3.000000% <u>100.000000%</u>	5.888452%
<u>TRACT 23</u>						
Fee	T-32-N, R-7-W Sec. 20: E/2SE/4 Sec. 21: SW/4	240.00	Royalty Working Interest Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% 00.000000% <u>100.000000%</u>	12.500000% 87.500000% 00.000000% <u>100.000000%</u>	2.340829%
<u>TRACT 24</u>						
Fee	T-32-N, R-7-W Sec. 32: W/2W/2	160.00	Royalty Working Interest Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% 00.000000% <u>100.000000%</u>	12.500000% 87.500000% 00.000000% <u>100.000000%</u>	1.560552%

Effective February 1, 1982

SCHEDULE XXI
TWENTY-FIRST EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 32-7 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 25</u>						
Fee	<u>T-32-N, R-7-W</u> Sec. 8: Lot 4, W/2SW/4	99.41	Royalty	12.500000%	12.500000%	.969591%
			Working Interest			
			Northwest Pipeline Corp.	87.500000%	87.500000%	
			ORRI	<u>00.000000%</u>	<u>00.000000%</u>	
			Total	<u>100.000000%</u>	<u>100.000000%</u>	
<u>TRACT 26</u>						
Fee	<u>T-31-N, R-7-W</u> Sec. 3: E/2SW/4, S/2SE/4	160.00	Royalty	20.000000%	00.000000%	00.000000%
			Working Interest			
			Palmer Oil and Gas	80.000000%	00.000000%	
			ORRI	<u>00.000000%</u>	<u>00.000000%</u>	
			Total	<u>100.000000%</u>	<u>00.000000%</u>	
<u>TRACT 28</u>						
Fee	<u>T-31-N, R-7-W</u> Sec. 10: NW/4	160.00	Royalty	20.000000%	00.000000%	00.000000%
			Working Interest			
			Palmer Oil and Gas	80.000000%	00.000000%	
			ORRI	<u>00.000000%</u>	<u>00.000000%</u>	
			Total	<u>100.000000%</u>	<u>00.000000%</u>	

SCHEDULE XXI
TWENTY-FIRST EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 32-7 UNIT AREA

RECAPITULATION

Township 31 North, Range 7 West, N.M.P.M.

Section 3: Lots 5, 6, 7, 8, S/2
Section 4: Lots 5, 6, 7, 8, S/2
Section 5: Lots 5, 6, 7, 8, SE/4, E/2SW/4
Section 8: E/2
Section 9: N/2
Section 10: NW/4
Section 17: All

Township 32 North, Range 7 West, N.M.P.M.

Section 7: (Frac.) All
Section 8: (Frac.) All
Section 9: (Frac.) W/2W/2
Sections 17, 18, 20, 21, 22, 27, 35, 36: All
Sections 16, 29, 32: W/2
Section 23: SW/4
Sections 28, 33, 34: E/2

Total Number of Acres in Participating Area:	10,732.78
Total Number of Acres Committed to Participating Area:	10,252.78
Total Number of Acres Not Committed to Participating Area:	480.00

Effective February 1, 1982

SCHEDULE XXII
TWENTY-SECOND EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 32-7 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 1</u>						
SF-078459	T-32-N, R-7-W Sec. 22: All	640.00	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>	6.147923%
<u>TRACT 2</u>						
SF-078460	T-32-N, R-7-W Sec. 7: Lots 4, 5, 6, SE/4SW/4 Sec. 8: SE/4SE/4 Sec. 17: All Sec. 18: Lots 1, 2, 3, 4, E/2W/2 (W/2) Sec. 20: N/2, N/2SW/4, SE/4SW/4, W/2SE/4 Sec. 21: SE/4, E/2NE/4	1887.86	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>	18.135028%
<u>TRACT 3</u>						
SF-078472	T-32-N, R-7-W Sec. 23: SW/4 Sec. 27: N/2 Sec. 28: NE/4 Sec. 29: NE/4NW/4, SE/4SW/4	720.00	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>	6.916413%

SCHEDULE XXII
TWENTY-SECOND EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 32-7 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 5</u>						
SF-078542	T-32-N, R-7-W Sec. 28: SE/4 Sec. 34: NE/4 Sec. 35: S/2	640.00	Royalty Working Interest Northwest Pipeline Corp. Gen Am. Oil Co. of Texas ORRI Total	12.500000% 61.875000% 20.625000% 5.000000% <u>100.000000%</u>	12.500000% 61.875000% 20.625000% 5.000000% <u>100.000000%</u>	6.147923%
<u>TRACT 6</u>						
SF-078543	T-32-N, R-7-W Sec. 27: S/2 Sec. 33: NE/4 Sec. 35: N/2	800.00	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>	7.684904%
<u>TRACT 7</u>						
SF-078669	T-32-N, R-7-W Sec. 21: W/2NW/4	80.00	Royalty Working Interest Southland Royalty ORRI Total	12.500000% 87.500000% 00.000000% <u>100.000000%</u>	00.000000% 00.000000% 00.000000% <u>00.000000%</u>	00.000000%
<u>TRACT 8</u>						
NM-33052	T-32-N, R-7-W Sec. 33: W/2SE/4	80.00	Royalty Working Interest Northwest Exploration Co. ORRI Total	12.500000% 87.500000% 00.000000% <u>100.000000%</u>	00.000000% 00.000000% 00.000000% <u>00.000000%</u>	00.000000%

SCHEDULE XXII
TWENTY-SECOND EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 32-7 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 10</u>						
SF-078996	T-31-N, R-7-W Sec. 3: Lots 5, 6,7,8, N/2SE/4, W/2SW/4 Sec. 4: Lots 5, 6,7,8, S/2 Sec. 5: Lots 5, 6,7,8, SE/4, E/2SW/4 Sec. 7: Lots 6,7, SW/4NE/4, N/2SE/4 Sec. 8: E/2	1525.44	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>	14.653574%
<u>TRACT 11</u>						
SF-078998	T-31-N, R-7-W Sec. 9: N/2 Sec. 17: All T-32-N, R-7-W Sec. 33: E/2SE/4 Sec. 34: SE/4	1200.00	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>	11.527355%
<u>TRACT 15</u>						
NM 05540	T-32-N, R-7-W Sec. 9: SW/4SW/4	40.00	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>	.384245%

SCHEDULE XXII
TWENTY-SECOND EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 32-7 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 16</u>						
E-178-4	T-32-N, R-7-W Sec. 16: W/2W/2	160.00	Royalty Working Interest Unleased ORRI Total	12.500000% 87.500000% 00.000000% <u>100.000000%</u>	12.500000% 87.500000% 00.000000% <u>100.000000%</u>	1.536981%
<u>TRACT 17</u>						
E-503-3	T-32-N, R-7-W Sec. 16: E/2W/2	160.00	Royalty Working Interest El Paso Natural Gas ORRI Total	12.500000% 65.625000% 21.875000% <u>100.000000%</u>	12.500000% 62.625000% 21.875000% <u>100.000000%</u>	1.536981%
<u>TRACT 17-A</u>						
E-503-12	T-32-N, R-7-W Sec. 32: E/2W/2 Sec. 36: All	800.00	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>	7.684904%
<u>TRACT 21</u>						
Fee	T-32-N, R-7-W Sec. 7: Lots 1, 2,3, SE/4, NE/4SW/4 Sec. 8: Lots 1, 2,3, E/2SW/4, W/2SE/4, NE/4SE/4 Sec. 9: Lot 4, NW/4SW/4 Sec. 18: 13.86 acre tract in NE/4NE/4 Sec. 21: W/2NE/4, E/2NW/4	732.58	Royalty Working Interest Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% 00.000000% <u>100.000000%</u>	12.500000% 87.500000% 00.000000% <u>100.000000%</u>	7.037258%

SCHEDULE XXII
TWENTY-SECOND EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 32-7 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 21-A</u>						
Fee	<u>T-32-N, R-7-W</u> Sec. 7: 1 acre out of SW/4SE/4SE/4	1.00	Royalty Working Interest Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% 00.000000% <u>100.000000%</u>	12.500000% 87.500000% 00.000000% <u>100.000000%</u>	.009606%
<u>TRACT 22</u>						
Fee	<u>T-32-N, R-7-W</u> Sec. 7: 17.09 acres out of E/2SE/4 Sec. 18: W/2NE/4, SE/4NE/4, SE/4, 26.64 acre tract in NE/4NE/4 Sec. 20: SW/4SW/4 Sec. 29: NW/4NW/4, S/2NW/4, N/2SW/4, SW/4SW/4	603.73	Royalty Working Interest Northwest Pipeline Corp. ORRI Total	12.500000% 84.500000% 3.000000% <u>100.000000%</u>	12.500000% 84.500000% 3.000000% <u>100.000000%</u>	5.799508%
<u>TRACT 23</u>						
Fee	<u>T-32-N, R-7-W</u> Sec. 20: E/2SE/4 Sec. 21: SW/4	240.00	Royalty Working Interest Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% 00.000000% <u>100.000000%</u>	12.500000% 87.500000% 00.000000% <u>100.000000%</u>	2.305471%
<u>TRACT 24</u>						
Fee	<u>T-32-N, R-7-W</u> Sec. 32: W/2W/2	160.00	Royalty Working Interest Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% 00.000000% <u>100.000000%</u>	12.500000% 87.500000% 00.000000% <u>100.000000%</u>	1.536981%

Effective March 1, 1982

SCHEDULE XXII
TWENTY-SECOND EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 32-7 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 25</u>						
Fee	<u>T-32-N, R-7-W</u> Sec. 8: Lot 4, W/2SW/4	99.41	Royalty	12.500000%	12.500000%	.954945%
			Working Interest			
			Northwest Pipeline Corp.	87.500000%	87.500000%	
			ORRI	<u>00.000000%</u>	<u>00.000000%</u>	
			Total	<u>100.000000%</u>	<u>100.000000%</u>	
<u>TRACT 26</u>						
Fee	<u>T-31-N, R-7-W</u> Sec. 3: E/2SW/4, S/2SE/4	160.00	Royalty	20.000000%	00.000000%	00.000000%
			Working Interest			
			Palmer Oil and Gas	80.000000%	00.000000%	
			ORRI	<u>00.000000%</u>	<u>00.000000%</u>	
			Total	<u>100.000000%</u>	<u>00.000000%</u>	
<u>TRACT 28</u>						
Fee	<u>T-31-N, R-7-W</u> Sec. 10: NW/4	160.00	Royalty	20.000000%	00.000000%	00.000000%
			Working Interest			
			Palmer Oil and Gas	80.000000%	00.000000%	
			ORRI	<u>00.000000%</u>	<u>00.000000%</u>	
			Total	<u>100.000000%</u>	<u>00.000000%</u>	
<u>TRACT 29</u>						
Fee	<u>T-31-N, R-7-W</u> Secs. 6 & 7: Tract 54	150.53	Royalty	12.500000%	00.000000%	00.000000%
			Working Interest			
			Amoco	87.500000%	00.000000%	
			ORRI	<u>00.000000%</u>	<u>00.000000%</u>	
			Total	<u>100.000000%</u>	<u>00.000000%</u>	

SCHEDULE XXII
TWENTY-SECOND EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 32-7 UNIT AREA

RECAPITULATION

Township 31 North, Range 7 West, N.M.P.M.

Section 3: Lots 5, 6, 7, 8, S/2
Section 4: Lots 5, 6, 7, 8, S/2
Section 5: Lots 5, 6, 7, 8, SE/4, E/2SW/4
Section 6: That part of resurvey Tract 54 lying in Section 6
Section 7: Lots 6, 7, SW/4NE/4, N/2SE/4, that part of resurvey Tract 54 lying in Section 7.
Section 8: E/2
Section 9: N/2
Section 10: NW/4
Section 17: All

Township 32 North, Range 7 West, N.M.P.M.

Section 7: (Frac.) All
Section 8: (Frac.) All
Section 9: (Frac.) W/2W/2
Sections 17, 18, 20, 21, 22, 27, 35, 36: All
Sections 16, 29, 32: W/2
Section 23: SW/4
Sections 28, 33, 34: E/2

Total Number of Acres in Participating Area:	11,040.55
Total Number of Acres Committed to Participating Area:	10,410.02
Total Number of Acres Not Committed to Participating Area:	630.53

SCHEDULE XXIII
TWENTY-THIRD EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 32-7 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 1</u>						
SF-078459	<u>T-32-N, R-7-W</u> Sec. 22: All	640.00	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>	6.101037%
<u>TRACT 2</u>						
SF-078460	<u>T-32-N, R-7-W</u> Sec. 7: Lots 4, 5, 6, SE/4SW/4 Sec. 8: SE/4SE/4 Sec. 17: All Sec. 18: Lots 1, 2, 3, 4, E/2W/2 (W/2) Sec. 20: N/2, N/2SW/4, SE/4SW/4, W/2SE/4 Sec. 21: SE/4, E/2NE/4	1887.86	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>	17.996725%
<u>TRACT 3</u>						
SF-078472	<u>T-32-N, R-7-W</u> Sec. 23: SW/4 Sec. 26: N/2NW/4 Sec. 27: N/2 Sec. 28: NE/4 Sec. 29: NE/4NW/4, SE/4SW/4	800.00	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>	7.626296%
<u>TRACT 4</u>						
SF-078483	<u>T-32-N, R-7-W</u> Sec. 26: SE/4NW/4	40.00	Royalty Working Interest El Paso Natural Gas Co. ORRI Total	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	00.000000% 00.000000% 00.000000% <u>00.000000%</u>	00.000000%

SCHEDULE XXIII
TWENTY-THIRD EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 32-7 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 5</u>						
SF-078542	<u>T-32-N, R-7-W</u> Sec. 28: SE/4 Sec. 34: NE/4 Sec. 35: S/2	640.00	Royalty Working Interest Northwest Pipeline Corp. Gen Am. Oil Co. of Texas ORRI Total	12.500000% 61.875000% 20.625000% <u>5.000000%</u> <u>100.000000%</u>	12.500000% 61.875000% 20.625000% <u>5.000000%</u> <u>100.000000%</u>	6.101037%
<u>TRACT 6</u>						
SF-078543	<u>T-32-N, R-7-W</u> Sec. 27: S/2 Sec. 33: NE/4 Sec. 35: N/2	800.00	Royalty Working Interest Northwest Pipeline Corp. ORRI Total	12.500000% 82.500000% <u>5.000000%</u> <u>100.000000%</u>	12.500000% 82.500000% <u>5.000000%</u> <u>100.000000%</u>	7.626296%
<u>TRACT 7</u>						
SF-078669	<u>T-32-N, R-7-W</u> Sec. 21: W/2NW/4	80.00	Royalty Working Interest Southland Royalty ORRI Total	12.500000% 87.500000% <u>00.000000%</u> <u>100.000000%</u>	00.000000% 00.000000% <u>00.000000%</u> <u>00.000000%</u>	00.000000%
<u>TRACT 8</u>						
NM-33052	<u>T-32-N, R-7-W</u> Sec. 33: W/2SE/4	80.00	Royalty Working Interest Northwest Exploration Co. ORRI Total	12.500000% 87.500000% <u>00.000000%</u> <u>100.000000%</u>	00.000000% 00.000000% <u>00.000000%</u> <u>00.000000%</u>	00.000000%

SCHEDULE XXIII
 TWENTY-THIRD EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
 SAN JUAN 32-7 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 10</u>						
SF-078996	<u>T-31-N, R-7-W</u> Sec. 3: Lots 5, 6,7,8, N/2SE/4, W/2SW/4 Sec. 4: Lots 5, 6,7,8, S/2 Sec. 5: Lots 5, 6,7,8, SE/4, E/2SW/4 Sec. 7: Lots 6,7, SW/4NE/4, N/2SE/4 Sec. 8: E/2	1525.44	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>	14.541822%
<u>TRACT 11</u>						
SF-078998	<u>T-31-N, R-7-W</u> Sec. 9: N/2 Sec. 17: All <u>T-32-N, R-7-W</u> Sec. 33: E/2SE/4 Sec. 34: SE/4	1200.00	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>	11.439444%
<u>TRACT 12</u>						
SF-081323	<u>T-32-N, R-7-W</u> Sec. 9: SW/4SW/4	40.00	Royalty Working Interest El Paso Natural Gas Co. ORRI Total	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	00.000000% 00.000000% 00.000000% <u>00.000000%</u>	00.000000%
<u>TRACT 15</u>						
NM 05540	<u>T-32-N, R-7-W</u> Sec. 9: SW/4SW/4	40.00	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>	.381315%

SCHEDULE XXIII
TWENTY-THIRD EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 32-7 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 16</u>						
E-178-4	T-32-N, R-7-W Sec. 16: W/2W/2	160.00	Royalty Working Interest Unleased ORRI Total	12.500000% 87.500000% 00.000000% <u>100.000000%</u>	12.500000% 87.500000% 00.000000% <u>100.000000%</u>	1.525259%
<u>TRACT 17</u>						
E-503-3	T-32-N, R-7-W Sec. 16: E/2W/2	160.00	Royalty Working Interest El Paso Natural Gas ORRI Total	12.500000% 65.625000% 21.875000% <u>100.000000%</u>	12.500000% 62.625000% 21.875000% <u>100.000000%</u>	1.525259%
<u>TRACT 17-A</u>						
E-503-12	T-32-N, R-7-W Sec. 32: E/2W/2 Sec. 36: All	800.00	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>	7.626296%
<u>TRACT 21</u>						
Fee	T-32-N, R-7-W Sec. 7: Lots 1, 2,3, SE/4, NE/4SW/4 Sec. 8: Lots 1, 2,3, E/2SW/4, W/2SE/4, NE/4SE/4 Sec. 9: Lot 4, NW/4SW/4 Sec. 18: 13.36 acre tract in NE/4NE/4 Sec. 21: W/2NE/4, E/2NW/4	732.58	Royalty Working Interest Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% 00.000000% <u>100.000000%</u>	12.500000% 87.500000% 00.000000% <u>100.000000%</u>	6.983590%

SCHEDULE XXIII
TWENTY-THIRD EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 32-7 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 21-A</u>						
Fee	<u>T-32-N, R-7-W</u> Sec. 7: 1 acre out of SW/4SE/4SE/4	1.00	Royalty Working Interest Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% <u>00.000000%</u> <u>100.000000%</u>	12.500000% 87.500000% <u>00.000000%</u> <u>100.000000%</u>	.009533%
<u>TRACT 22</u>						
Fee	<u>T-32-N, R-7-W</u> Sec. 7: 17.09 acres out of E/2SE/4 Sec. 18: W/2NE/4, SE/4NE/4, SE/4, 26.64 acre tract in NE/4NE/4 Sec. 20: SW/4SW/4 Sec. 29: NW/4NW/4, S/2NW/4, N/2SW/4, SW/4SW/4	603.73	Royalty Working Interest Northwest Pipeline Corp. ORRI Total	12.500000% 84.500000% <u>3.000000%</u> <u>100.000000%</u>	12.500000% 84.500000% <u>3.000000%</u> <u>100.000000%</u>	5.755280%
<u>TRACT 23</u>						
Fee	<u>T-32-N, R-7-W</u> Sec. 20: E/2SE/4 Sec. 21: SW/4	240.00	Royalty Working Interest Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% <u>00.000000%</u> <u>100.000000%</u>	12.500000% 87.500000% <u>00.000000%</u> <u>100.000000%</u>	2.287889%
<u>TRACT 24</u>						
Fee	<u>T-32-N, R-7-W</u> Sec. 32: W/2W/2	160.00	Royalty Working Interest Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% <u>00.000000%</u> <u>100.000000%</u>	12.500000% 87.500000% <u>00.000000%</u> <u>100.000000%</u>	1.525259%

SCHEDULE XXIII
TWENTY-THIRD EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 32-7 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 25</u>						
Fee	<u>T-32-N, R-7-W</u> Sec. 8: Lot 4, W/2SW/4	99.41	Royalty	12.500000%	12.500000%	.947663%
			Working Interest			
			Northwest Pipeline Corp.	87.500000%	87.500000%	
			ORRI	<u>00.000000%</u>	<u>00.000000%</u>	
			Total	<u>100.000000%</u>	<u>100.000000%</u>	
<u>TRACT 26</u>						
Fee	<u>T-31-N, R-7-W</u> Sec. 3: E/2SW/4, S/2SE/4	160.00	Royalty	20.000000%	00.000000%	00.000000%
			Working Interest			
			Palmer Oil and Gas	80.000000%	00.000000%	
			ORRI	<u>00.000000%</u>	<u>00.000000%</u>	
			Total	<u>100.000000%</u>	<u>00.000000%</u>	
<u>TRACT 28</u>						
Fee	<u>T-31-N, R-7-W</u> Sec. 10: NW/4	160.00	Royalty	20.000000%	00.000000%	00.000000%
			Working Interest			
			Palmer Oil and Gas	80.000000%	00.000000%	
			ORRI	<u>00.000000%</u>	<u>00.000000%</u>	
			Total	<u>100.000000%</u>	<u>00.000000%</u>	
<u>TRACT 29</u>						
Fee	<u>T-31-N, R-7-W</u> Secs. 6 & 7: Tract 54	150.53	Royalty	12.500000%	00.000000%	00.000000%
			Working Interest			
			Amoco	87.500000%	00.000000%	
			ORRI	<u>00.000000%</u>	<u>00.000000%</u>	
			Total	<u>100.000000%</u>	<u>00.000000%</u>	

SCHEDULE XXIII
TWENTY-THIRD EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 32-7 UNIT AREA

RECAPITULATION

Township 31 North, Range 7 West, N.M.P.M.

Section 3: Lots 5, 6, 7, 8, S/2
Section 4: Lots 5, 6, 7, 8, S/2
Section 5: Lots 5, 6, 7, 8, SE/4, E/2SW/4
Section 6: That part of resurvey Tract 54 lying in Section 6.
Section 7: Lots 6, 7, SW/4NE/4, N/2SE/4, that part of resurvey Tract 54 lying in Section 7.
Section 8: E/2
Section 9: N/2
Section 10: NW/4
Section 17: All

Township 32 North, Range 7 West, N.M.P.M.

Section 7: (Frac.) All
Section 8: (Frac.) All
Section 9: (Frac.) W/2W/2
Sections 17, 18, 20, 21, 22, 27, 35, 36: All
Sections 16, 29, 32: W/2
Section 23: SW/4
Section 26: NW/4
Sections 28, 33, 34: E/2

Total Number of Acres in Participating Area:	11,200.55
Total Number of Acres Committed to Participating Area:	10,490.02
Total Number of Acres Not Committed to Participating Area:	710.53