

State of New Mexico
Commissioner of Public Lands

W. R. Humphries
COMMISSIONER

Advisory Board

George Clark
Chairman

Kristin Conniff
Vice Chairman

Melvin Cordova

Joe Kelly

Robert Portillos

Nancy Lynch Vigil

Rex Wilson

December 26, 1990

Phillips Petroleum Company
300 W. Arrington, Suite 200
Farmington, NM 87401

Attn: Mr. A. J. Kieke

Re: San Juan 32-7 Unit
San Juan County, New Mexico
Fruitland Coal Formation
Unit Well Nos. 227, 229, & 231
Designation of Agent - Northwest Pipeline Corporation

Dear Mr. Kieke:

We received your letter dated November 29, 1990 regarding the designation of Northwest Pipeline Corporation as agent to drill the San Juan 32-7 Unit, 227, 229 & 231 Fruitland Coal Wells.

The Commissioner of Public Lands hereby grants approval of the said designation. The approval of Designation of Agent does not modify, amend or supercede the terms of the Unit Agreement.

If you have any questions please contact Clyde Langdale at (505) 827-5791.

Sincerely,

W. R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS


By:
Floyd O. Prando, Director
Oil, Gas & Minerals Division

WRH/FOP/CL/dm

201-000
61M
100

State of New Mexico



W.R. HUMPHRIES
COMMISSIONER



Commissioner of Public Lands

#420

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

October 12, 1990

Phillips Petroleum Company
300 W. Arrington, Suite 200
Farmington, NM 87401

Attn: A. J. Kieke, Area Landman

Re: San Juan 32-7 Unit
Rio Arriba County, New Mexico
1990 Plan of Development

Dear Mr. Kieke:

The Commissioner of Public Lands this date approved the 1990 Plan of Development for the San Juan 32-7 Unit. Our approval is subject to like approval by all other appropriate agencies.

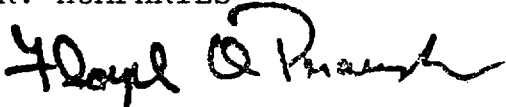
The possibility of drainage by wells outside of the Unit Area and the need for further development may exist. You will be contacted at a later date regarding these possibilities.

If we may be of further help, please do not hesitate to contact Clyde Langdale at (505) 827-5791.

Sincerely,

W. R. HUMPHRIES.

BY:


Floyd O. Prando, Director
Oil, Gas & Minerals Division

cc: OCD
Unit Corresp.
Unit POD



United States Department of the Interior

TAKE
PRIDE IN
AMERICA

SEP 14 AM 10 08

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA
1235 LAPLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401

IN REPLY REFER TO:

San Juan 32-7 Unit (POL)
3180 (019)

SEP. 13 1990

Phillips Petroleum Company
Attn: A. J. Kieke
500 W. Arrington, Suite 200
Farmington, NM 87401

Gentlemen:

One approved copy of your second Supplemental 1990 Plan of Development for the San Juan 32-7 Unit area, San Juan County, New Mexico is enclosed. Such plan, proposing nineteen (19) additional Fruitland Coal wells, was approved on 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 Kenny Howell, Petroleum Engineer, at the above address or telephone (505) 327-5344.

Sincerely,

/s/ John L. Keller

John L. Keller, Chief
Branch of Mineral Resources

Enclosure

cc: New Mexico Oil Conservation Division, 310 Old Santa Fe Trail, Room 206,
Santa Fe, NM 87503
Commissioner of Public Lands, State of New Mexico, P. O. Box 1146, Santa
Fe, NM 87504

**PHILLIPS PETROLEUM COMPANY**FARMINGTON, NEW MEXICO 87401
300 W. ARRINGTON, SUITE 200, PHONE: 505 599-3400

EXPLORATION AND PRODUCTION

90 JUL 24 AM 4 18

July 20, 1990

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, N. M. 87401
(4 Copies Enclosed)

State of New Mexico
Commissioner of Public Lands
Attn: Mr. Floyd O. Prando
P. O. Box 1148
Santa Fe, N. M. 87504-1148
(2 Copies Enclosed)

State of New Mexico
Oil Conservation Commission
Attn: Mr. William J. LeMay
310 Old Santa Fe Trail, Room 206
Santa Fe, N. M. 87503
(2 Copies Enclosed)

Re: San Juan 32-7 Unit
#14-08-001-441
San Juan County, New Mexico
Second Supplemental 1990
Plan of Development
GF-5464

Gentlemen:

By letter dated February 26, 1990, Northwest Pipeline Corporation, as Unit Operator, filed the 1990 Plan of Development for the San Juan 32-7 Unit. By letter dated May 7, 1990, Phillips Petroleum Company, as sub-operator of the Fruitland Formation for the San Juan 32-7 Unit, filed the First Supplement to the 1990 Drilling Program.

Subsequent to filing the original and First Supplemental Drilling Programs, it has been proposed that (19) nineteen additional Fruitland Coal wells be drilled under the 1990 Drilling Program. The working interest owners have been contacted in accordance with Section 7 of the Unit Operating Agreement.

San Juan 32-7 Unit
 Second Supplemental 1990
 Drilling Program
 July 20, 1990
 Page 2 of 4

The proposed Fruitland Coal Wells are as follows:

<u>Well Number</u>	<u>Drilling Block</u>
San Juan 32-7 #214	W/2 Section 34-32N-7W
San Juan 32-7 #215	W/2 Section 32-32N-7W
San Juan 32-7 #216	Lots 6,7,8,SW/4,NW/4 SE/4 Section 4; Lot 5 Section 5- 31N-7W
San Juan 32-7 #217	Lots 5,6,7,8,W/2 SW/4 Section 3; Lot 5, E/2 SE/4,SW/4 SE/4 Section 4-31N-7W
San Juan 32-7 #218	SW/4 SW/4 Section 5;Lots 12,14,15,S/2 SE/4 Section 6; Lot 5, E/2 NE/4,NW/4 NE/4 Section 7-31N-7W
San Juan 32-7 #219	Lots 6,7,8,SE/4,E/2 SW/4 Section 5-31N-7W
San Juan 32-7 #220	Lot 9 Section 5; Lots 8,9,10 11,13, NW/4 SE/4,NE/4 SW/4, Section 6; Tract 53 in Sections 5 & 6-31N-7W
San Juan 32-7 #221	E/2 Section 8-31N-7W
San Juan 32-7 #222	E/2 Section 20-32N-7W
San Juan 32-7 #223	E/2 Section 21-32N-7W
San Juan 32-7 #224	W/2 Section 21-32N-7W
San Juan 32-7 #225	W/2 Section 17-32N-7W
San Juan 32-7 #226	E/2 Section 17-32N-7W
San Juan 32-7 #227	Lots 8, 9, 10, SE/4, E/2 SW/4 SE/4 NW/4, Section 18-31N-7W
San Juan 32-7 #228	Lot 6,7,N/2 SE/4, SW/4 NE/4 Section 7, Tract 54 Section 6 & 7-31N-7W
San Juan 32-7 #229	N/2 Section 9-31N-7W
San Juan 32-7 #230	E/2 Section 17-31N-7W
San Juan 32-7 #231	W/2 Section 17-31N-7W
San Juan 32-7 #232	W/2 Section 8-31N-7W

If this Second Supplemental 1990 Drilling Program for the San Juan 32-7 Unit meets your approval, please signify by signing in the space provided below and return an approved copy to the attention of the undersigned.

San Juan 32-7 Unit
Second Supplemental 1990
Drilling Program
July 20, 1990
Page 3 of 4

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

Very truly yours,

Phillips Petroleum Company

A handwritten signature in cursive script, appearing to read "A. J. Kieke".

A. J. Kieke
Area Landman
San Juan Basin

#1 - pd2s32-7.jay

San Juan 32-7 Unit
Second Supplemental 1990
Drilling Program
July 20, 1990
Page 4 of 4

APPROVED: _____

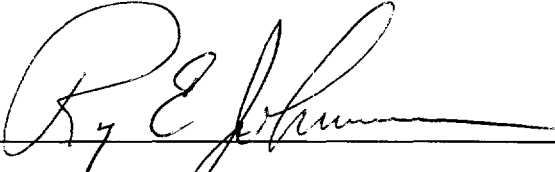
DATE: _____

ASSISTANT DISTRICT MANAGER, 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
Area Oil and Gas Supervisor, BLM
and the Oil Conservation Commission

APPROVED:  _____

DATE: 7-25-90

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

The foregoing approvals are for the Second Supplemental 1990 Drilling
Program for the San Juan 32-7 Unit. #14-08-001-441.

U56N2650
03/29/90

WORKING INTEREST OWNERS
SAN JUAN 32-7 UNIT

ELIZABETH CALLOWAY
4801 ST. JOHNS DRIVE
DALLAS, TX 75205

Northwest Pipeline Corporation
539 E. 30th Street
Farmington, NM 87401
Att: Jeff Vaughn

FRED E. TURNER
ONE ENERGY SQUARE, SUITE 852
4925 GREENVILLE AVENUE
DALLAS, TX 75208-4079

J. GLENN TURNER, JR.
500 LTV CENTER
2001 ROSS AVENUE
DALLAS, TX 75201

JOHN L. TURNER
8585 NORTH STEMMONS, SUITE 925N
DALLAS, TX 75247

MARY FRANCIS TURNER, JR.
TRUST (6743)
AMERITRUST TEXAS N.A. TRUSTEE
P.O. BOX 2320
DALLAS, TX 75221-2320

MERIDIAN OIL PRODUCTION INC.
LAND DEPARTMENT
P.O. BOX 4289
FARMINGTON, NM 87401

PHILLIPS PETROLEUM COMPANY
ATTN: JAY KIEKE
300 WEST ARRINGTON, SUITE 200
FARMINGTON, NM 87401

San Juan 32-7 Unit

JUN. 05 1990

San Juan 32-7 Unit (1990)
San Juan 32-7 Unit (1990)
San Juan 32-7 Unit (1990)
San Juan 32-7 Unit (1990)

San Juan 32-7 Unit

The San Juan 32-7 Unit (1990) Plan of Development for the San Juan 32-7 Unit Area, New Mexico, is enclosed. Such plan, including the drilling of three (3) additional Fractured Coal wells and one (1) Fractured Coal water disposal well during 1990, was approved on this date by the San Juan 32-7 Unit (1990) Plan of Development for the San Juan 32-7 Unit Area, New Mexico.

The San Juan 32-7 Unit (1990) Plan of Development for the San Juan 32-7 Unit Area, New Mexico, is enclosed. Such plan, including the drilling of three (3) additional Fractured Coal wells and one (1) Fractured Coal water disposal well during 1990, was approved on this date by the San Juan 32-7 Unit (1990) Plan of Development for the San Juan 32-7 Unit Area, New Mexico.

If you have any questions, please contact Kenny Howell, Petroleum Engineer, at the San Juan 32-7 Unit (1990) Plan of Development for the San Juan 32-7 Unit Area, New Mexico.

San Juan 32-7 Unit

/s/ John L. Keller

John Keller, Chief
Branch of Mineral Resources

San Juan 32-7 Unit

San Juan 32-7 Unit (1990) Plan of Development for the San Juan 32-7 Unit Area, New Mexico, is enclosed. Such plan, including the drilling of three (3) additional Fractured Coal wells and one (1) Fractured Coal water disposal well during 1990, was approved on this date by the San Juan 32-7 Unit (1990) Plan of Development for the San Juan 32-7 Unit Area, New Mexico.

ILLEGIBLE



PHILLIPS PETROLEUM COMPANY

FARMINGTON, NEW MEXICO 87401
300 W. ARRINGTON, SUITE 200, PHONE: 505 599-3400

EXPLORATION AND PRODUCTION

May 7, 1990 9:14 AM 9 19

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, NM 87401
(4 Copies Enclosed)

State of New Mexico
Commissioner of Public Lands
Attn: Mr. Floyd O. Prando
P. O. Box 1148
Santa Fe, NM 87504-1148
(2 Copies Enclosed)

State of New Mexico
Oil Conservation Commission
Attn: Mr. William J. LeMay
310 Old Santa Fe Trail, Room 206
Santa Fe, NM 87503
(2 Copies Enclosed)

RE: San Juan 32-7 Unit
#14-08-001-441
San Juan County, New Mexico
First Supplemental 1990
Drilling Program
GF-5464

Gentlemen:

By letter dated February 26, 1990, Northwest Pipeline Corporation, as Unit Operator, filed the 1990 Plan of Development for the San Juan 32-7 Unit.

Subsequent to filing the original 1990 Drilling Program, it has been proposed that three (3) additional Fruitland Coal wells and one (1) Entrada salt water disposal well be drilled under the 1990 Drilling Program. Phillips Petroleum Company, as Suboperator of the Fruitland Formation, for the San Juan 32-7 Unit has contacted all Working Interest Owners in accordance with Section 7 of the Unit Operating Agreement.

The Proposed Fruitland Coal wells are as follows:

May 7, 1990
First Supplemental 1990
Drilling Program
San Juan 32-7 Unit
Page No. 2

WELL NUMBER

SAN JUAN 32-7 UNIT #211
SAN JUAN 32-7 UNIT #212
SAN JUAN 32-7 UNIT #213

DRILLING BLOCK IN

W/2 SEC. 35 -T32N-R7W
W/2 SEC. 23 -T32N-R7W
LOTS 8,9, SE/4 SE/4, TRACT 55
IN SEC. 7-T31N-R7W, AND LOTS
5,6,7, E/2 NE/4, SW/4 NE/4,
TRACT 55 IN SEC. 18-T31N-R7W

The proposed Entrada salt water disposal well is the San Juan 32-7 Unit #301 located in the SW/4 Sec. 34-T32N-R7W.
If this First Supplemental 1990 Drilling Program for the San Juan 32-7 unit meets your approval, please signify by signing in the space provided below and return an approved copy to the attention of the undersigned.

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

Very truly yours,

PHILLIPS PETROLEUM COMPANY



A. J. Kieke
Area Landman
San Juan Basin

AJK:ba
BLM32-7.JAY

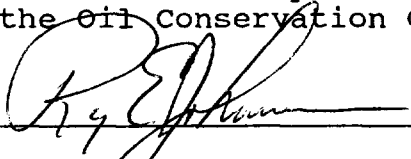
May 7, 1990
First Supplemental 1990
Drilling Program
San Juan 32-7 Unit
Page No. 3

APPROVED _____ DATE _____

ASSISTANT DISTRICT MANAGER, 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
Area Oil and Gas Supervisor, BLM
and the Oil Conservation Commission

APPROVED  DATE 5-14-90

OIL CONSERVATION COMMISSION
Subject to like approval by
the Area Oil and Gas Supervisor, BLM
and the Commissioner of Public Lands

The foregoing approvals are for the First Supplemental 1990
Drilling Program for the San Juan 32-7 Unit. #14-08-001-441.

U56N2850
03/29/90

WORKING INTEREST OWNERS
SAN JUAN 32-7 UNIT

ELIZABETH CALLOWAY
4801 ST. JOHNS DRIVE
DALLAS, TX 75205

Northwest Pipeline Corporation
539 E. 30th Street
Farmington, NM 87401
Att: Jeff Vaughn

FRED E. TURNER
ONE ENERGY SQUARE, SUITE 852
4925 GREENVILLE AVENUE
DALLAS, TX 75206-4079

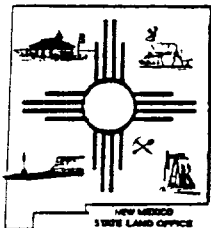
J. GLENN TURNER, JR.
500 LTV CENTER
2001 ROSS AVENUE
DALLAS, TX 75201

JOHN L. TURNER
8585 NORTH STEMMONS, SUITE 925N
DALLAS, TX 75247

MARY FRANCIS TURNER, JR.
TRUST (8743)
AMERITRUST TEXAS N.A. TRUSTEE
P.O. BOX 2320
DALLAS, TX 75221-2320

MERIDIAN OIL PRODUCTION INC.
LAND DEPARTMENT
P.O. BOX 4289
FARMINGTON, NM 87401

PHILLIPS PETROLEUM COMPANY
ATTN: JAY KIEKE
300 WEST ARRINGTON, SUITE 200
FARMINGTON, NM 87401



State of New Mexico
Commissioner of Public Lands

W. R. Humphries
COMMISSIONER

Advisory Board

George Clark
Chairman

Kristin Conniff
Vice Chairman

Melvin Cordova

Joe Kelly

Robert Portillos

Nancy Lynch Vigil

Rex Wilson

April 16, 1990

Northwest Pipeline Corporation
P.O. Box 8900
Salt Lake City, Utah 84108-0899

ATTN: Mr. Darrell L. Gillen

RE: Designation of Suboperator
San Juan 32-7 Unit
San Juan County, New Mexico

Gentlemen:

We received your letter, dated March 21, 1990, regarding the Designation of Phillips Petroleum Company as the Suboperator of the Fruitland Formation of the above captioned unit in San Juan County, New Mexico.

The Commissioner of Public Lands hereby grants approval to the designation of Phillips Petroleum Company as Suboperator of the Fruitland Formation for the above captioned unit. The approval of Designation of Suboperator does not modify, amend or supercede the terms of the Unit Agreement.

If you have any questions, please contact Susan Howarth at (505) 827-5791.

Very truly yours,

W.R. HUMPHRIES,
COMMISSIONER OF PUBLIC LANDS

BY:

Floyd O. Prando
FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5749

NEW MEXICO OIL CONSERVATION DIVISION
RECEIVED

'90 APR 6 AM 8 44

San Juan 32-7 Unit (UA)
3180 (019)

APR. 03 1990

Northwest Pipeline Corporation
Attn: Mr. Darrell L. Gillen
P. O. Box 9900
Salt Lake City, UT 84108

Gentlemen:

Your letter of March 21, 1990, transmitted a copy of a "Designation of Sub-Operator" instrument whereby Northwest Pipeline Corporation, as unit operator under the San Juan 32-7 Unit agreement, designates Phillips Petroleum Company as sub-operator for the drilling and production of unitized substances from the Fruitland Formation under all lands within the San Juan 32-7 Unit, San Juan County, New Mexico.

The designation of Phillips Petroleum Company as sub-operator of the Fruitland Formation is hereby approved effective February 19, 1990.

If you have any questions, please contact Gail Keller at the above address or telephone (505) 327-5344.

Sincerely,

/s/ John L. Keller

John L. Keller, Chief
Branch of Mineral Resources

Enclosures

cc: New Mexico Oil Conservation Division, 310 Old Santa Fe Trail,
Room 206, Santa Fe, NM 87503
Commissioner of Public Lands, State of New Mexico, P. O. Box 1140,
Santa Fe, NM 87504

209-90

P.O. BOX 8900
SALT LAKE CITY, UTAH 84108-0899
801-584-7215

1990 FEB 5 AM 9 04
LAND DEPARTMENT

March 29, 1990

State of New Mexico
Commissioner of Public Lands
Attn: Mr. Floyd O. Prando
P.O. Box 1148
Santa Fe, NM 87504-1148

State of New Mexico
Oil Conservation Commission
Attn: Mr. William J. LeMay
310 Old Santa Fe Trail, Room 206
Santa Fe, NM 87503

Re: San Juan 32-7 Unit #14-08-001-441
San Juan County, New Mexico
1990 Plan of Development

Gentlemen:

The 1990 Plan of Development filed by letter dated February 26, 1990 for the San Juan 32-7 Unit has been approved by the regulatory agencies as follows:

Bureau of Land Management	3/15/90
Oil Conservation Commission	3/6/90

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 Manager

DLG:cg
Attachment

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

ELIZABETH CALLOWAY
4801 ST. JOHNS DRIVE
DALLAS, TX 75205

FRED E. TURNER
ONE ENERGY SQUARE, SUITE 852
4925 GREENVILLE AVENUE
DALLAS, TX 75208-4079

J. GLENN TURNER, JR.
500 LTV CENTER
2001 ROSS AVENUE
DALLAS, TX 75201

JOHN L. TURNER
8585 NORTH STEMMONS, SUITE 925N
DALLAS, TX 75247

MARY FRANCIS TURNER, JR.
TRUST (6743)
AMERITRUST TEXAS N.A. TRUSTEE
P.O. BOX 2320
DALLAS, TX 75221-2320

MERIDIAN OIL PRODUCTION INC.
LAND DEPARTMENT
P.O. BOX 4289
FARMINGTON, NM 87401

PHILLIPS PETROLEUM COMPANY
ATTN: JAY KIEKE
300 WEST ARRINGTON, SUITE 200
FARMINGTON, NM 87401

RECEIVED
1990 MAR 5 AM 9 09
NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES

205-90

LAND DEPARTMENT

P.O. BOX 8900
SALT LAKE CITY, UTAH 84108-0899
801-584-7215

March 29, 1990

State of New Mexico
Commissioner of Public Lands
Attn: Mr. Floyd O. Prando
P.O. Box 1148
Santa Fe, NM 87504-1148

State of New Mexico
Oil Conservation Commission
Attn: Mr. William J. LeMay
310 Old Santa Fe Trail, Room 206
Santa Fe, NM 87503

Re: San Juan 32-7 Unit #14-08-001-441
San Juan County, New Mexico
Second Supplemental 1989 Drilling Program

Gentlemen:

The Second Supplemental 1989 Drilling Program filed by letter dated January 19, 1990 for the San Juan 32-7 Unit has been approved by the regulatory agencies as follows:

Bureau of Land Management	3/5/90
Commissioner of Public Lands	2/8/90
Oil Conservation Commission	2/6/90

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 Manager

DLG:cg
Attachment

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

ELIZABETH CALLOWAY
4801 ST. JOHNS DRIVE
DALLAS, TX 75205

FRED E. TURNER
ONE ENERGY SQUARE, SUITE 852
4925 GREENVILLE AVENUE
DALLAS, TX 75206-4079

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DALLAS, TX 75201

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DALLAS, TX 75247

MARY FRANCIS TURNER, JR.
TRUST (6743)
AMERITRUST TEXAS N.A. TRUSTEE
P.O. BOX 2320
DALLAS, TX 75221-2320

MERIDIAN OIL PRODUCTION INC.
LAND DEPARTMENT
P.O. BOX 4289
FARMINGTON, NM 87401

PHILLIPS PETROLEUM COMPANY
ATTN: JAY KIEKE
300 WEST ARRINGTON, SUITE 200
FARMINGTON, NM 87401

179-90

LAND DEPARTMENT

P.O. BOX 8900
SALT LAKE CITY, UTAH 84108-0899
801-584-7215

March 21, 1990

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, NM 87401

State of New Mexico
Commissioner of Public Lands
Attn: Mr. Floyd O. Prando
P.O. Box 1148
Santa Fe, NM 87504-1148

State of New Mexico
Oil Conservation Commission
Attn: Mr. William J. LeMay
310 Old Santa Fe Trail, Room 206
Santa Fe, NM 87503

Re: Designation of Suboperator
San Juan 32-7 Unit, Fruitland Formation
San Juan County, New Mexico

Gentlemen:

Attached for your consideration and approval is the Designation of Suboperator, designating Phillips Petroleum Company as Suboperator of the Fruitland formation within the San Juan 32-7 Unit.

Northwest Pipeline Corporation, as Unit Operator, has polled the Working Interest Owners, pursuant to Section 7 of the Unit Operating Agreement, and has received approval of the Designation of Suboperator from the majority of working interests of the Fruitland formation within the unit. The results of that poll are as follows:

<u>Working Interest Owner</u>	<u>W.I. Percentage Approved</u>	<u>W.I. Percentage Disapproved</u>	<u>W.I. Percentage No Response</u>
Northwest Pipeline Corp.	96.630896%		
Phillips Petroleum Co.	1.443902%		
Meridian Oil Inc.	1.925202%		
TOTAL	100.000000%	- 0 -	- 0 -

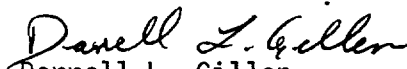
Assistant District Manager, Minerals
Commissioner of Public Lands
Oil Conservation Commission
March 21, 1990
Page 2

If this Designation of Suboperator is acceptable, please signify your approval in the space provided on the attached sheet and return an approved copy to Northwest Pipeline Corporation.

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

Sincerely,

NORTHWEST PIPELINE CORPORATION


Darrell L. Gillen
Land Manager

DLG:cg
Attachment

cc: Working Interest Owners
W. O. Curtis
P. C. Thompson
Jay Kieke - Phillips

Assistant District Manager, Minerals
Commissioner of Public Lands
Oil Conservation Commission
March 21, 1990
Page 3

APPROVED

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

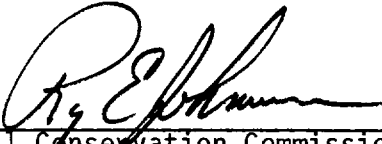
DATE

APPROVED

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

DATE

APPROVED



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

DATE

4-2-90

The foregoing approvals are for the Designation of Suboperator for the San Juan 32-7 Unit, Fruitland formation.

U56N2650
02/27/90

WORKING INTEREST OWNERS
SAN JUAN 32-7 UNIT-----FR

MERIDIAN OIL PRODUCTION INC.
LAND DEPARTMENT
P.O. BOX 4289
FARMINGTON, NM 87401

PHILLIPS PETROLEUM COMPANY
ATTN: JAY KIEKE
300 WEST ARRINGTON, SUITE 200
FARMINGTON, NM 87401

APPENDIX "4"

DESIGNATION OF SUBOPERATOR
dated February 19, 1990, by and between
NORTHWEST PIPELINE CORPORATION
and
PHILLIPS PETROLEUM COMPANY

THIS designation is made and entered into this 19 day of February, 1990, by and between NORTHWEST PIPELINE CORPORATION (hereinafter referred to as "Northwest"), a Delaware corporation, whose address is 295 Chipeta Way, P.O. Box 58900, Salt Lake City, Utah 84158-0900; and PHILLIPS PETROLEUM COMPANY (hereinafter referred to as "Phillips"), a Delaware corporation, whose address is 300 West Arrington, Suite 200, Farmington, New Mexico 87401; and all other working interest owners in the San Juan 32-7 Fruitland formation (hereinafter referred to as "working interest owners").

WHEREAS, Northwest is Unit Operator for the San Juan 32-7 Unit, created by that certain Unit Agreement for the Development and Operation of the San Juan 32-7 Unit Area, I. Sec. No. 14-08-001-441, San Juan County, New Mexico (hereinafter referred to as "Unit Agreement"); and

WHEREAS, Phillips desires to takeover as suboperator of unitized substances from the Fruitland formation within the subject Unit (the lands therein shall hereafter be referred to as the "Suboperated Premises"); and

WHEREAS, Northwest hereto intends to relinquish its rights as Unit Operator for the Fruitland formation within the subject Unit to Phillips; and

WHEREAS, Northwest pursuant to the terms of the Unit Agreement will request the working interest owners of the Fruitland formation to execute this designation in order that the Suboperated Premises may be suboperated by Phillips.

NOW, THEREFORE, in consideration of the mutual covenants and other valuable consideration hereby acknowledged the parties hereto hereby agree as follows:

A. Designation

In order to permit Phillips to suboperate the Suboperated Premises, Northwest, as Unit Operator, and a working interest owner in the Suboperated Premises, hereby designates Phillips, suboperator of the Suboperated Premises only.

B. Notices

Phillips indicates its acceptance of this designation by placing its signature in the space provided below and agrees to develop and operate the Suboperated Premises as a reasonable and prudent operator in accordance with the terms and conditions of the Unit Agreement and Unit Operating Agreement, and also agrees to:

- (1) Furnish the Bureau of Land Management (BLM), the Commissioner of Public Lands and the Oil Conservation Commission of the State of New Mexico all proper and necessary reports and well data in the required numbers and time period as specified by the BLM, the Commissioner of Public Lands and the Oil Conservation Commission of the State of New Mexico, with a copy to Northwest at the addresses hereinafter provided.
- (2) Copies of all notices or other information required to be furnished shall be sent by Phillips to:

Northwest Pipeline Corporation
Attn: Manager, Administration
295 Chipeta Way
P.O. Box 58900
Salt Lake City, UT 84158-0900

With copies to:

Northwest Pipeline Corporation
Attn: Manager, Production
3539 East 30th Street
Farmington, NM 87401

C. Indemnity

With regard to risks of loss and liability due to personal injury, property damage and the like, while providing services under this Designation of Suboperator, Phillips shall assume all duties of indemnification, liabilities and costs and be entitled to the same privileges and reimbursements applicable to Northwest as operator pursuant to the Unit Agreement and Unit Operating Agreement for the San Juan 32-7 Federal Unit. Phillips will indemnify Northwest for any liabilities and costs arising out of the duties assumed in the above referenced agreements.

D. Unit Agreement

The parties hereto agree that Phillips shall develop the Suboperated Premises in conformity with the provisions of the Unit Agreement, and the Unit Operating Agreement for the subject Unit.

E. Jurisdiction

Development of the Suboperated Premises is subject to the jurisdiction of the Oil Conservation Commission of the State of New Mexico as to privately owned lands, the Commissioner of Public Lands of the State of New Mexico as to state lands, and the Assistant District Manager, Minerals of the BLM, Farmington, New Mexico, as to Federal and/or Indian Lands.

F. Term

Upon the BLM's approval and the majority of the Fruitland formation working interest owners execution of this agreement, this agreement shall remain in full force and effect for a term through September 31, 1990 and from month to month until (a) cancelled by Northwest or Phillips upon thirty (30) days advance written notice, or (b) superseded or terminated by another agreement between Northwest and Phillips. Upon termination of this Designation of Suboperator, Phillips will immediately resign as suboperator and Northwest will resume as Unit Operator of this unit unless Phillips has been appointed as Unit Operator for all formations within this unit by the working interest owners and approved by the BLM.

G. Assignment

This designation is personal and cannot be assigned in whole or in part by Phillips without the written consent of all the other parties hereto having first been obtained.

H. Counterparts

This designation may be executed in any number of counterparts with the same force and effect as if all parties has signed the same document.

IN WITNESS WHEREOF, this designation is executed as of the day and year first hereinabove written.

NORTHWEST PIPELINE CORPORATION

Date: 2/19/90
By: [Signature]
Warren O. Curtis
Attorney-in-Fact

Approved as
to Form

[Signature]
O.C.C.

PHILLIPS PETROLEUM COMPANY

Date: _____

By: _____
Attorney-in-Fact

MERIDIAN OIL PRODUCTION INC.

ATTEST:

Date: _____

By: _____

G. Assignment

This designation is personal and cannot be assigned in whole or in part by Phillips without the written consent of all the other parties hereto having first been obtained.

H. Counterparts

This designation may be executed in any number of counterparts with the same force and effect as if all parties has signed the same document.

IN WITNESS WHEREOF, this designation is executed as of the day and year first hereinabove written.

NORTHWEST PIPELINE CORPORATION

Date: 2/19/90
By: [Signature]
Warren O. Curtis
Attorney-in-Fact

[Signature]
Approved as
to Form

PHILLIPS PETROLEUM COMPANY

Date: 3/12/90
By: [Signature]
Attorney-in-Fact

MERIDIAN OIL PRODUCTION INC.

ATTEST:

Date: _____

By: _____

G. Assignment

This designation is personal and cannot be assigned in whole or in part by Phillips without the written consent of all the other parties hereto having first been obtained.

H. Counterparts

This designation may be executed in any number of counterparts with the same force and effect as if all parties has signed the same document.

IN WITNESS WHEREOF, this designation is executed as of the day and year first hereinabove written.

NORTHWEST PIPELINE CORPORATION

Date: 02/19/90
By: Warren O. Curtis
Attorney-in-Fact

WOM
Approved as
to Form
ss pexoddy

PHILLIPS PETROLEUM COMPANY

Date: _____
By: _____
Attorney-in-Fact

EL PASO PRODUCTION COMPANY
~~MERIDIAN OIL PRODUCTION INC.~~

ATTEST:

Date: 3-8-90
By: Kent Beers
KENT BEERS, ATTORNEY-IN-FACT

STATE OF _____)
COUNTY OF _____) ss.

Before me, the undersigned, a Notary Public in and for said County and State, on this day personally appeared _____ known to me to be the person and officer whose name is subscribed to the foregoing instrument and acknowledged to me that the same was the act of the said _____, and that he executed the same as the act of such corporation of the purposes and consideration therein expressed, and in the capacity therein stated.

Given under my hand and seal of office this the _____ day of _____, 19 _____.

My Commission Expires:

Notary Public

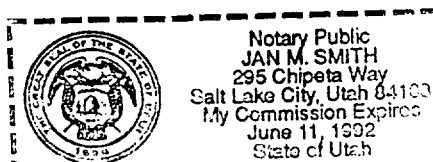
STATE OF UTAH)
COUNTY OF SALT LAKE) : ss.

The foregoing instrument was acknowledged before me on this 16th day of FEBRUARY, 1990 by Warren O. Curtis, Attorney-in-Fact for NORTHWEST PIPELINE CORPORATION, a Delaware corporation, on behalf of said corporation.

JAN SMITH
Notary Public

My Commission Expires:

6-11-92.



STATE OF Texas)
COUNTY OF Harris) ss.

Before me, the undersigned, a Notary Public in and for said County and State, on this day personally appeared J. P. Gregory, Attorney-in-Fact known to me to be the person and officer whose name is subscribed to the foregoing instrument and acknowledged to me that the same was the act of the said Phillips Petroleum Company, and that he executed the same as the act of such corporation of the purposes and consideration therein expressed, and in the capacity therein stated.

Given under my hand and seal of office this the 10th day of March, 19 90.

My Commission Expires:

5-15-91

Alan S. Patel
Notary Public

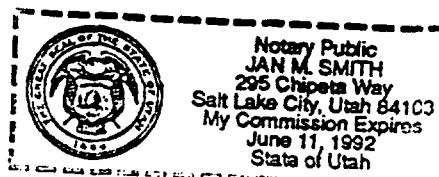
STATE OF UTAH)
COUNTY OF SALT LAKE) ss.

The foregoing instrument was acknowledged before me on this 19th day of February, 1990 by Warren O. Curtis, Attorney-in-Fact for NORTHWEST PIPELINE CORPORATION, a Delaware corporation, on behalf of said corporation.

Warren O. Curtis
Notary Public

My Commission Expires:

1-1-92



STATE OF New Mexico)
COUNTY OF San Juan) ss.

The foregoing instrument was acknowledged before me this 8th day
of March, 1990, by Bob Beus,
on behalf of ~~MERIDIAN OIL PRODUCTION INC.~~ EL PASO PRODUCTION COMPANY.

Gabe McMurdo
Notary Public

My Commission Expires:

May 30, 1993

NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES

105-90

LAND DEPARTMENT

P.O. BOX 8900
SALT LAKE CITY, UTAH 84108-0899
801-584-7215

February 26, 1990

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, NM 87401

State of New Mexico
Commissioner of Public Lands
Attn: Mr. Floyd O. Prando
P.O. Box 1148
Santa Fe, NM 87504-1148

State of New Mexico
Oil Conservation Commission
Attn: Mr. William J. LeMay
310 Old Santa Fe Trail, Room 206
Santa Fe, NM 87503

Re: San Juan 32-7 Unit, #14-08-001-441
San Juan County, New Mexico
1990 Plan of Development

Gentlemen:

By letter dated March 3, 1989, July 12, 1989 and January 19, 1990, Northwest Pipeline Corporation, as Unit Operator, filed drilling programs for the referenced unit. The drilling programs indicated that five Fruitland Coal wells would be drilled under the 1989 Plan of Development. The San Juan 32-7 Unit #201, #202, #203, and #204 wells were drilled on a timely basis. The San Juan 32-7 Unit #210 was not drilled and will be carried over to the 1990 Plan of Development for the San Juan 32-7 Unit.

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 Coal, undetermined	4
Fruitland, commercial	2
Fruitland/Pictured Cliffs, commercial	1
Pictured Cliffs, commercial	12
Pictured Cliffs, non-commercial	3
Pictured Cliffs/Mesaverde, non-commercial	1

Assistant District Manager, Minerals
 Commissioner of Public Lands
 Oil Conservation Commission
 February 26, 1990
 Page 2

Pictured Cliffs/Mesaverde, commercial	2
Pictured Cliffs/Mesaverde, (Pictured Cliff non-commercial, Mesaverde commercial)	2
Mesaverde, commercial	33
Mesaverde, non-commercial	1
Mesaverde, plugged and abandoned	4
Mesaverde/Dakota, commercial	1
Mesaverde/Dakota, (Mesaverde commercial, Dakota non-commercial)	2
Dakota, commercial	4
Dakota, non-commercial	<u>10</u>
TOTAL	82

The Participating Areas which have been established in the San Juan 32-7 Unit are as follows:

<u>Formation</u>	<u>Revision</u>	<u>Effective</u>
Fruitland (Sand)	Second	November 1, 1977
Pictured Cliffs	Seventh	January 1, 1982
Mesaverde	Twenty third	November 1, 1982
Dakota	Third	May 1, 1981

There have been no changes to the Participating Areas during 1989.

Pursuant to Section 10 of the San Juan 32-7 Unit Agreement, Northwest Pipeline Corporation, as Unit Operator, has contacted all of the Working Interest Owners and has received the necessary concurrence to propose the drilling of the following wells during the calendar year 1990:

<u>Well No.</u>	<u>Drilling Block</u>	<u>Formation</u>
San Juan 32-7 Unit #205	W/2 Sec. 22, T32N, R7W	Fruitland Coal
San Juan 32-7 Unit #206	E/2 Sec. 27, T32N, R7W	Fruitland Coal
San Juan 32-7 Unit #207	W/2 Sec. 27, T32N, R7W	Fruitland Coal
San Juan 32-7 Unit #208	E/2 Sec. 34, T32N, R7W	Fruitland Coal
San Juan 32-7 Unit #209	E/2 Sec. 35, T32N, R7W	Fruitland Coal
San Juan 32-7 Unit #210*	S/2 Sec. 36, T32N, R7W	Fruitland Coal

* Carried over from the 1989 Plan of Development.

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.

Assistant District Manager, Minerals
Commissioner of Public Lands
Oil Conservation Commission
February 26, 1990
Page 3

If this Plan of Development 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 Plan of Development are being sent to the Working Interest Owners as shown on the attached sheet.

Sincerely,

NORTHWEST PIPELINE CORPORATION

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

Darrell L. Gillen
Land Manager

DLG:cg
Attachment

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

Assistant District Manager, Minerals
Commissioner of Public Lands
Oil Conservation Commission
February 26, 1990
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 Commission

DATE

APPROVED

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

DATE

APPROVED



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

DATE

3-6-90

The foregoing approvals are for the 1990 Plan of Development for the San Juan
32-7 Unit #14-08-001-441.

U56N2650
02/19/90

WORKING INTEREST OWNERS
SAN JUAN 32-7 UNIT

ELIZABETH CALLOWAY
4801 ST. JOHNS DRIVE
DALLAS, TX 75205

FRED E. TURNER
ONE ENERGY SQUARE, SUITE 852
4925 GREENVILLE AVENUE
DALLAS, TX 75206-4079

J. GLENN TURNER, JR.
500 LTV CENTER
2001 ROSS AVENUE
DALLAS, TX 75201

JOHN L. TURNER
8585 NORTH STEMMONS, SUITE 925N
DALLAS, TX 75247

MARY FRANCIS TURNER, JR.
C/O MERCANTILE NAT'L BANK AT DALLAS
P.O. BOX 2320
DALLAS, TX 75221

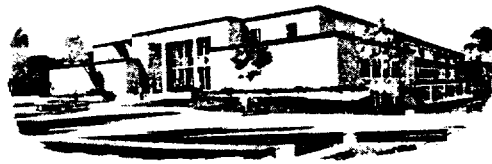
MERIDIAN OIL PRODUCTION INC.
LAND DEPARTMENT
P.O. BOX 4289
FARMINGTON, NM 87401

PHILLIPS PETROLEUM COMPANY
ATTN: JAY KIEKE
300 WEST ARRINGTON, SUITE 200
FARMINGTON, NM 87401

State of New Mexico



W.R. HUMPHRIES
COMMISSIONER



Commissioner of Public Lands

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

February 8, 1990

Northwest Pipeline Corporation
P.O. Box 8900
Salt Lake City, Utah 84018-0900

ATTN: Mr. Darrell Gillen

RE: San Juan 32-7 Unit
San Juan County, New Mexico
Second Supplement to the 1989 Plan of Development

Gentlemen:

The Commissioner of Public Lands has this date approved the above captioned Second Supplement to the 1989 Plan of Development (Drilling Program) for the San Juan 32-7 Unit. Our approval is subject to like approval by all other appropriate agencies.

Enclosed is an approved copy for your files. If we may be of further help, please do not hesitate to contact Susan Howarth at (505) 827-5791.

Very truly yours,

W.R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

BY:

Floyd O. Prando
FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5749

cc: OCD - Santa Fe, New Mexico
BLM
Unit Correspondence File
Unit P.O.D. File

WRH/FOP/SMH

LAND CONSERVATION DIVISION
NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES
'90 FEB 6 AM 9 00

41-90

LAND DEPARTMENT

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

January 19, 1990

#420

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, NM 87401

State of New Mexico
Commissioner of Public Lands
Attn: Mr. Floyd O. Prando
P.O. Box 1148
Santa Fe, NM 87504-1148

State of New Mexico
Oil Conservation Commission
Attn: Mr. William J. LeMay
310 Old Santa Fe Trail, Room 206
Santa Fe, NM 87503

Re: San Juan 32-7 Unit #14-08-001-441
San Juan County, New Mexico
Second Supplemental 1989 Drilling Program

Gentlemen:

By letters dated March 3, 1989 and July 12, 1989, Northwest Pipeline Corporation, as Unit Operator, filed the 1989 Drilling Program and Supplemental 1989 Drilling Program for the San Juan 32-7 Unit.

Subsequent to filing these 1989 Drilling Programs, it has been proposed that one (1) new well be drilled under the 1989 Drilling Program. All necessary Working Interest Owners have been contacted pursuant to Section 7 of the Unit Operating Agreement.

The proposed well is as follows:

<u>Well Number</u>	<u>Drilling Block</u>	<u>Formation</u>
San Juan 32-7 Unit #210	S/2 Sec. 36, T32N, R7W	Fruitland Coal

If this Second Supplemental 1989 Drilling Program for the San Juan 32-7 Unit meets with your approval, please signify your approval in the space provided and return an approved copy to Northwest Pipeline Corporation.

Assistant District Manager, Minerals
Commissioner of Public Lands
Oil Conservation Commission
January 19, 1990
Page 2

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

Sincerely,

NORTHWEST PIPELINE CORPORATION


Darrell L. Gillen
Land Manager

DLG:cg
Attachment

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

Assistant District Manager, Minerals
Commissioner of Public Lands
Oil Conservation Commission
January 19, 1990
Page 3

APPROVED

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

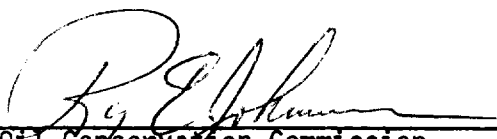
DATE

APPROVED

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

DATE

APPROVED


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

DATE

2-6-90

The foregoing approvals are for the Second Supplemental 1989 Drilling Program
for the San Juan 32-7 Unit #14-08-001-441.

U56N2650
01/19/90

WORKING INTEREST OWNERS
SAN JUAN 32-7 UNIT

ELIZABETH CALLOWAY
4801 ST. JOHNS DRIVE
DALLAS, TX 75205

FRED E. TURNER
ONE ENERGY SQUARE, SUITE 852
4925 GREENVILLE AVENUE
DALLAS, TX 75206-4079

J. GLENN TURNER, JR.
500 LTV CENTER
2001 ROSS AVENUE
DALLAS, TX 75201

JOHN L. TURNER
8585 NORTH STEMMONS, SUITE 925N
DALLAS, TX 75247

MARY FRANCIS TURNER, JR.
C/O MERCANTILE NAT'L BANK AT DALLAS
P.O. BOX 2320
DALLAS, TX 75221

MERIDIAN OIL PRODUCTION INC.
LAND DEPARTMENT
P.O. BOX 4289
FARMINGTON, NM 87401

PHILLIPS PETROLEUM COMPANY
ATTN: JAY KIEKE
300 WEST ARRINGTON, SUITE 200
FARMINGTON, NM 87401

NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES

507-89

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

LAND DEPARTMENT

September 5, 1989

RECEIVED

SEP 13 1989

OIL CONSERVATION DIV.
SANTA FE

State of New Mexico
Commissioner of Public Lands
Attn: Mr. Floyd O. Prando
P.O. Box 1148
Santa Fe, NM 87504-1148

State of New Mexico
Oil Conservation Commission
Attn: Mr. William J. LeMay
310 Old Santa Fe Trail, Room 206
Santa Fe, NM 87503

Re: San Juan 32-7 Unit #14-08-001-441
San Juan County, New Mexico
Supplemental 1989 Drilling Program

Gentlemen:

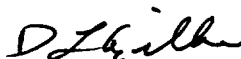
The Supplemental 1989 Drilling Program filed by letter dated July 12, 1989, for the San Juan 32-7 Unit has been approved by the regulatory agencies as follows:

Bureau of Land Management	8/1/89
Commissioner of Public Lands	7/26/89
Oil Conservation Commission	7/25/89

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 Manager

DLG:cg
Attachment

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

U56N2650
09/05/89

WORKING INTEREST OWNERS
SAN JUAN 32-7 UNIT

ELIZABETH CALLOWAY
4801 ST. JOHNS DRIVE
DALLAS, TX 75205

FRED E. TURNER
ONE ENERGY SQUARE, SUITE 852
4925 GREENVILLE AVENUE
DALLAS, TX 75206-4079

J. GLENN TURNER, JR.
500 LTV CENTER
2001 ROSS AVENUE
DALLAS, TX 75201

JOHN L. TURNER
8585 NORTH STEMMONS, SUITE 925N
DALLAS, TX 75247

MARY FRANCIS TURNER, JR.
C/O MERCANTILE NAT'L BANK AT DALLAS
P.O. BOX 225415
DALLAS, TX 75265

MERIDIAN OIL PRODUCTION INC.
LAND DEPARTMENT
P.O. BOX 4289
FARMINGTON, NM 87401

PHILLIPS PETROLEUM COMPANY
ATTN: PARTNERSHIP OPERATIONS
P.O. BOX 1967
HOUSTON, TX 77251-1967

San Juan 32-7 Unit (POD)
3180 (019)

AUG. 03 1989

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

Gentlemen:

Two approved copies of your supplemental 1989 Plan of Development for the San Juan 32-7 Unit area, San Juan County, New Mexico are enclosed. Such plan, proposing the drilling of three Fruitland coal wells - San Juan 32-7 Unit well No. 202 and San Juan 32-7 Unit well No. 203 and the San Juan 32-7 Unit well No. 204 was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

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

If you have any questions, please contact Gail Keller at the above address or telephone (505) 327-5344.

Sincerely,

/s/ John L. Keller

John Keller
Chief, Branch of Minerals

Enclosures

cc: New Mexico Oil Conservation Division, State Land Office Building,
P. O. Box 2088, Santa Fe, NM 87504
Commissioner of Public Lands, State of New Mexico, P. O. Box 1148,
Santa Fe, NM 87504

#420

State of New Mexico



Commissioner of Public Lands

W.R. HUMPHRIES
COMMISSIONER

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

July 26, 1989

Northwest Pipeline Corporation
P.O. Box 8900
Salt Lake City, Utah 84108-0899

ATTN: Darrell Gillen

RE: San Juan 32-7 Unit
San Juan County, New Mexico
Plan of Development - Amendment

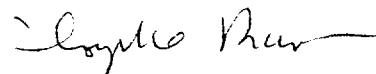
Gentlemen:

The Commissioner of Public Lands has this date approved the July 12, 1989 Amendment to the above captioned 1989 Plan of Development. Our approval is subject to like approval by all other appropriate agencies.

Enclosed is an approved copy for your files. If we may be of further help, please do not hesitate to contact us.

Very truly yours,

W.R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

BY: 
FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5749

cc: OCD - Santa Fe, New Mexico
BLM
Unit Correspondence File
Unit P.O.D. File

WRH/FOP/SMH

388-89

LAND DEPARTMENT

P.O. BOX 8900
SALT LAKE CITY, UTAH 84108-0899
801-584-7215

July 12, 1989

Assistant District Manager, Minerals
Bureau of Land Management
425 Montano, N.E.
Albuquerque, NM 87107

State of New Mexico
Commissioner of Public Lands
Attn: Mr. Floyd O. Prando
P.O. Box 1148
Santa Fe, NM 87504-1148

State of New Mexico
Oil Conservation Commission
Attn: Mr. William J. LeMay
310 Old Santa Fe Trail, Room 206
Santa Fe, NM 87503

Re: San Juan 32-7 Unit #14-08-001-441
San Juan County, New Mexico
Supplemental 1989 Drilling Program

Gentlemen:

By letter dated March 3, 1989, Northwest Pipeline Corporation, as Unit Operator, filed the 1989 Drilling Program for the San Juan 32-7 Unit.

Subsequent to filing the 1989 Drilling Program, it has been proposed that three (3) new wells be drilled in 1989. All necessary Working Interest Owners have been contacted pursuant to Section 7 of the Unit Operating Agreement.

The proposed wells are as follows:

<u>Well Number</u>	<u>Drilling Block</u>	<u>Formation</u>
San Juan 32-7 Unit #202	W/2 Sec. 18, T32N, R7W	Fruitland Coal
San Juan 32-7 Unit #203	E/2 Sec. 22, T32N, R7W	Fruitland Coal
San Juan 32-7 Unit #204	E/2 Sec. 36, T32N, R7W	Fruitland Coal

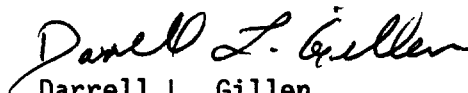
If this Supplemental 1989 Drilling Program for the San Juan 32-7 Unit meets with your approval, please signify your approval in the space provided and return an approved copy to Northwest Pipeline Corporation.

Assistant District Manager, Minerals
Commissioner of Public Lands
Oil Conservation Commission
July 12, 1989
Page 2

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

Sincerely,

NORTHWEST PIPELINE CORPORATION


Darrell L. Gillen
Land Manager

DLG:cg
Attachment

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

Assistant District Manager, Minerals
Commissioner of Public Lands
Oil Conservation Commission
July 12, 1989
Page 3

APPROVED

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

DATE _____

APPROVED

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

DATE _____

APPROVED



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

DATE

7-25-89

The foregoing approvals are for the Supplemental 1989 Drilling Program for the
San Juan 32-7 Unit #14-08-001-441.

U56N2650
07/12/89

WORKING INTEREST OWNERS
SAN JUAN 32-7 UNIT

ELIZABETH CALLOWAY
4801 ST. JOHNS DRIVE
DALLAS, TX 75205

FRED E. TURNER
ONE ENERGY SQUARE, SUITE 852
4925 GREENVILLE AVENUE
DALLAS, TX 75206-4079

J. GLENN TURNER, JR.
500 LTV CENTER
2001 ROSS AVENUE
DALLAS, TX 75201

JOHN L. TURNER
8585 NORTH STEMMONS, SUITE 925N
DALLAS, TX 75247

MARY FRANCIS TURNER, JR.
C/O MERCHANTILE NATIONAL BANK AT DALLAS
P.O. BOX 225415
DALLAS, TX 75265

MERIDIAN OIL PRODUCTION INC.
LAND DEPARTMENT
P.O. BOX 4289
FARMINGTON, NM 87401

PHILLIPS PETROLEUM COMPANY
ATTN: PARTNERSHIP OPERATIONS
P.O. BOX 1967
HOUSTON, TX 77251-1967

NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES

222-89

LAND DEPARTMENT

April 27, 1989

P.O. BOX 8900
SALT LAKE CITY, UTAH 84108-0899
801-584-7215

Assistant District Manager, Minerals
Bureau of Land Management
425 Montano, N.E.
Albuquerque, NM 87107

State of New Mexico
Commissioner of Public Lands
Attn: Mr. Floyd O. Prando
P.O. Box 1148
Santa Fe, NM 87504-1148

State of New Mexico
Oil Conservation Commission
Attn: Mr. William J. LeMay
310 Old Santa Fe Trail, Room 206
Santa Fe, NM 87503

Re: San Juan 32-7 Unit #14-08-001-441
San Juan County, New Mexico
1989 Drilling Program

Gentlemen:

The 1989 Drilling Program filed by letter dated March 3, 1989, for the San Juan 32-7 Unit has been approved by the regulatory agencies as follows:

Bureau of Land Management	4/7/89
Commissioner of Public Lands	4/3/89
Oil Conservation Commission	3/13/89

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 Manager

DLG:cg
Attachment

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

US6N2650
04/27/89

WORKING INTEREST OWNERS
SAN JUAN 32-7 UNIT

ELIZABETH GALLOWAY
4801 ST. JOHNS DRIVE
DALLAS, TX 75205

FRED E. TURNER
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MERIDIAN OIL PRODUCTION INC.
LAND DEPARTMENT
P.O. BOX 4289
FARMINGTON, NM 87401

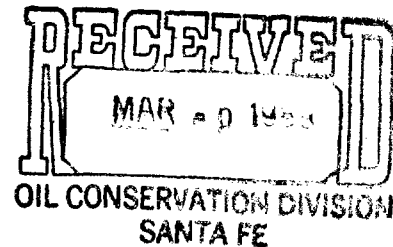
PHILLIPS PETROLEUM COMPANY
ATTN: PARTNERSHIP OPERATIONS
P.O. BOX 1967
HOUSTON, TX 77251-1967

LAND DEPARTMENT

P.O. BOX 8900
SALT LAKE CITY, UTAH 84108-0899
801-584-7215

March 3, 1989

Assistant District Manager, Minerals
Bureau of Land Management
425 Montano, N.E.
Albuquerque, NM 87107



State of New Mexico
Commissioner of Public Lands
Attn: Mr. Floyd O. Prando
P.O. Box 1148
Santa Fe, NM 87504-1148

State of New Mexico
Oil Conservation Commission
Attn: Mr. William J. LeMay
310 Old Santa Fe Trail, Room 206
Santa Fe, NM 87503

Re: San Juan 32-7 Unit, #14-08-001-441
San Juan County, New Mexico
1989 Drilling Program

Gentlemen:

By letter dated July 5, 1988, Northwest Pipeline Corporation, as Unit Operator, filed a Drilling Program for the referenced unit. The Drilling Program indicated that no additional wells would be drilled during 1988 in the unit.

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, non-commercial	1
Pictured Cliffs/Mesaverde, commercial	2
Pictured Cliffs/Mesaverde, (Pictured Cliffs non-commercial, Mesaverde commercial)	2
Mesaverde, commercial	33
Mesaverde, non-commercial	1
Mesaverde, plugged and abandoned	4
Mesaverde/Dakota, commercial	1

Assistant District Manager, Minerals
Commissioner of Public Lands
Oil Conservation Commission
March 3, 1989
Page 2

Mesaverde/Dakota, (Mesaverde commercial, Dakota non-commercial)	2
Dakota, commercial	4
Dakota, non-commercial	<u>10</u>
TOTAL	78

The Participating Areas which have been established in the San Juan 32-7 Unit are as follows:

<u>Formation</u>	<u>Revision</u>	<u>Effective</u>
Fruitland	Second	November 1, 1977
Pictured Cliffs	Seventh	January 1, 1982
Mesaverde	Twenty third	November 1, 1982
Dakota	Third	May 1, 1981

Pursuant to the Bureau of Land Management's new requirements to provide maps and the latest geologic interpretations of each of the Participating Areas within the unit, and our discussions with Robert Kent and Gail Keller of BLM, it was agreed that new maps are not required at this time due to the fact that Northwest Pipeline Corporation has provided maps for the Participating Areas listed above at the time of application, and there have been no changes to the Participating Areas listed. Additionally, the geology of the San Juan Basin is well established, therefore as agreed, we are not including our geologic interpretations.

Attached is a production history of each Participating Area within the San Juan 32-7 Unit area.

Pursuant to Section 10 of the San Juan 32-7 Unit Agreement, Northwest Pipeline Corporation, as Unit Operator, has contacted all of the Working Interest Owners and has received the necessary concurrence to propose the drilling of the following well which will partially contribute to the San Juan 32-7 Unit, during the calendar year 1989.

<u>Well Number</u>	<u>Drilling Block</u>	<u>Formation</u>
San Juan 32-7 Unit #201	Lots 8, 9, SE/4SE/4, Tract 55 in Sec. 7, T31N, R7W, and Lots 5, 6, 7, E/2NE/4, SW/4NE/4, Tract 55 in Sec. 18, T31N, R7W	Fruitland Coal

Assistant District Manager, Minerals
Commissioner of Public Lands
Oil Conservation Commission
March 3, 1989
Page 3

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.

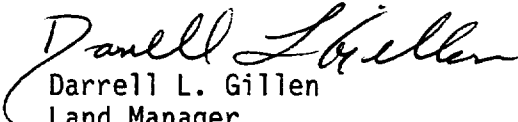
Northwest Pipeline Corporation, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or the Working Interest Owners.

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 Manager

DLG:cg

Attachment

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

Assistant District Manager, Minerals
Commissioner of Public Lands
Oil Conservation Commission
March 3, 1989
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 Commission

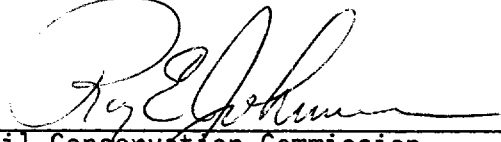
DATE

APPROVED

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

DATE

APPROVED



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

DATE

3-13-89

The foregoing approvals are for the 1989 Drilling Program for the San Juan
32-7 Unit #14-08-001-441.

ELIZABETH CALLOWAY
4801 ST. JOHNS DRIVE
DALLAS, TX 75205

FRED E. TURNER
ONE ENERGY SQUARE, SUITE 852
4925 GREENVILLE AVENUE
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MERIDIAN OIL PRODUCTION INC.
LAND DEPARTMENT
P.O. BOX 4289
FARMINGTON, NM 87401

PHILLIPS PETROLEUM COMPANY
ATTN: PARTNERSHIP OPERATIONS
P.O. BOX 1967
HOUSTON, TX 77251-1967

WELLS IN SUMMARY = 3
AVERAGE BTU/SCF = 967
AVERAGE GRAVITY = 0.606
R.L. RATIO..... = 0.0
INITIAL.....MMCF = 0.000
CUMULATIVE...MMCF = 2118.420
REMAINING....MMCF = -2118.420

MONTH	1972		1973		1974		1975		1976		1977	
	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS
JAN	6765	0 0.0	4161	0 0.0	7684	0 0.0	5996	0 0.0	6663	0 0.0	7001	0 0.0
FEB	5194	0 0.0	7071	0 0.0	5250	0 0.0	4246	0 0.0	5500	0 0.0	6896	0 0.0
MAR	6764	0 0.0	6055	0 0.0	5674	0 0.0	7169	0 0.0	3879	0 0.0	5357	0 0.0
APR	6738	0 0.0	5086	0 0.0	6141	0 0.0	5749	0 0.0	3645	0 0.0	6144	0 0.0
MAY	6630	0 0.0	5248	0 0.0	6072	0 0.0	5652	0 0.0	4798	0 0.0	5152	0 0.0
JUN	5278	0 0.0	5775	0 0.0	5973	0 0.0	4614	0 0.0	6030	0 0.0	5206	252 32.1
JUL	6000	0 0.0	4614	0 0.0	6082	0 0.0	5694	0 0.0	5966	0 0.0	6000	251 28.4
AUG	6050	0 0.0	5231	0 0.0	5386	0 0.0	5771	0 0.0	6915	0 0.0	6244	260 24.5
SEP	6096	0 0.0	4873	0 0.0	3908	0 0.0	892	0 0.0	5884	0 0.0	4841	247 27.9
OCT	5829	0 0.0	7176	0 0.0	5846	0 0.0	4002	0 0.0	5368	0 0.0	6095	240 31.9
NOV	7252	0 0.0	5927	0 0.0	5744	0 0.0	4803	0 0.0	5010	0 0.0	5682	240 31.9
DEC	6157	0 0.0	6650	0 0.0	5822	0 0.0	4771	0 0.0	7075	0 0.0	5748	242 31.9
TOTALS	74753	0 0	67867	0 0	69582	0 0	59359	0 0	66733	0 0	70366	247 209

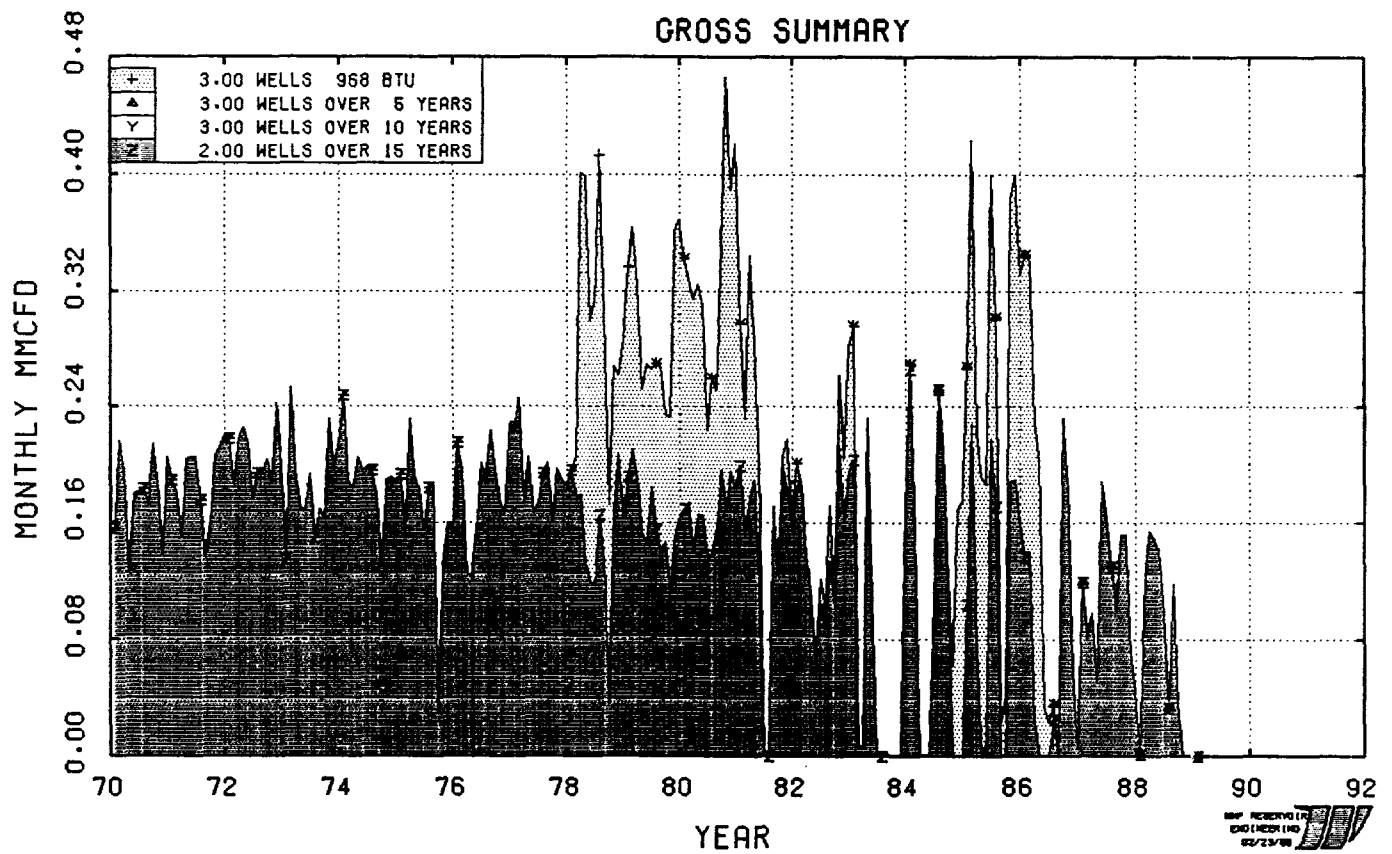
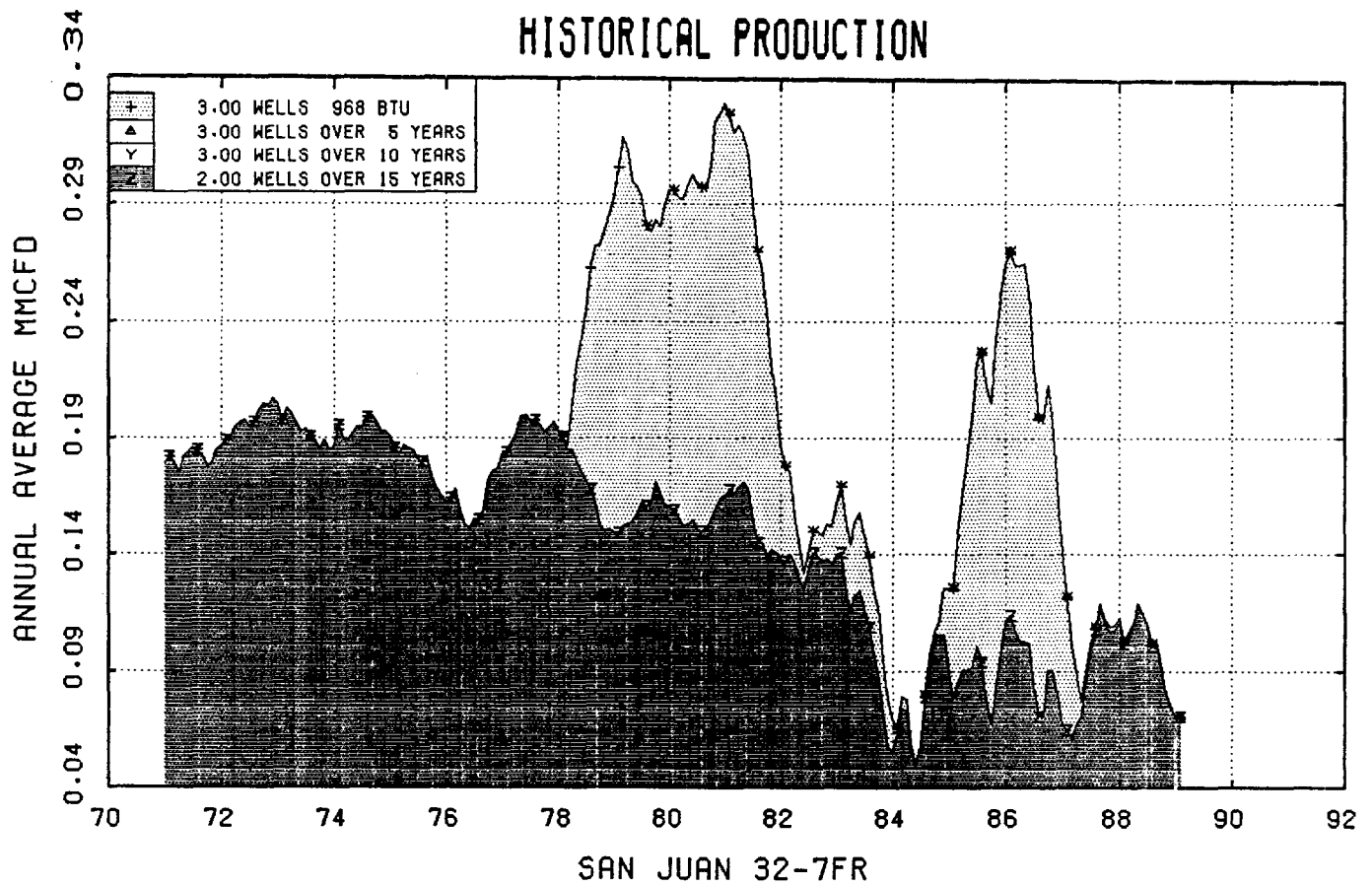
MONTH	1978		1979		1980		1981		1982		1983	
	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS
JAN	6067	238 28.8	10440	241 27.1	10635	281 40.2	9244	241 27.0	6228	261 18.5	9165	251 30.6
FEB	5736	248 28.0	10199	251 28.0	9191	258 34.6	6475	242 17.4	5193	266 13.4	233	249 0.6
MAR	12422	251 23.7	10031	252 31.3	9719	261 29.3	10680	239 19.8	4259	254 12.9	196	269 1.0
APR	11969	400 25.1	7567	282 27.1	9735	275 32.0	8482	236 30.3	3240	264 15.8	6965	285 20.0
MAY	9268	365 32.0	8342	295 28.0	9619	287 31.9	6162	240 11.3	2014	252 9.1	3303	386 10.3
JUN	9411	265 25.8	7988	287 32.0	6679	297 23.1	0	0 0.0	3617	250 8.2	25	302 0.1
JUL	12809	262 31.9	8384	254 31.2	8052	271 28.7	15	289 0.0	3132	261 7.1	0	0 0.0
AUG	9363	268 28.4	8265	234 28.0	7784	275 24.2	5309	247 12.1	5322	260 13.8	70	275 0.9
SEP	5160	264 14.3	7017	241 36.6	10578	270 28.9	3763	255 4.9	3043	245 6.1	0	0 0.0
OCT	8304	282 25.3	7231	260 39.5	14455	258 26.1	6395	228 8.6	8136	254 22.5	0	0 0.0
NOV	7863	270 31.9	10868	240 39.3	11670	263 34.3	6514	254 20.5	6127	280 20.9	0	0 0.0
DEC	8855	246 19.7	11452	253 42.3	13045	267 27.5	5028	254 15.3	8711	274 29.3	5319	251 16.2
TOTALS	107227	279 315	107784	257 390	121162	271 361	68067	247 167	59022	260 177	25276	283 80

MONTH	1984		1985		1986		1987		1988		1989	
	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS
JAN	8369	262 18.0	8308	277 22.1	10730	271 30.9	3685	247 17.3	27	41 0.7	0	0 0.0
FEB	4275	246 20.6	11857	272 26.6	9550	256 26.9	2375	236 7.3	3451	294 20.4	0	0 0.0
MAR	0	0 0.0	6876	257 15.0	7097	250 17.7	3052	209 7.7	4762	264 28.9	0	0 0.0
APR	0	0 0.0	5722	248 29.6	6040	250 30.0	1498	266 8.4	4453	249 30.0	0	0 0.0
MAY	0	0 0.0	5760	261 14.7	1061	218 5.4	5836	263 15.7	4345	245 30.8	0	0 0.0
JUN	3164	266 12.9	11990	219 30.0	676	0 0.0	4889	252 15.2	2913	263 21.4	0	0 0.0
JUL	7820	243 31.0	9377	214 27.4	1114	305 3.1	4033	266 13.0	1031	262 8.0	0	0 0.0
AUG	6490	223 31.0	672	266 4.8	0	0 0.0	3358	287 12.4	3670	275 27.0	0	0 0.0
SEP	3577	241 22.0	1183	225 6.5	6954	262 29.4	4517	315 28.4	1089	234 7.7	0	0 0.0
OCT	1916	270 14.3	11864	220 29.0	5768	209 27.0	4694	284 30.9	0	0 0.0	0	0 0.0
NOV	5069	265 29.3	12014	231 30.0	1728	223 9.5	2140	288 14.9	0	0 0.0	0	0 0.0
DEC	5429	238 31.1	10259	244 28.9	157	287 0.5	1360	287 9.3	0	0 0.0	0	0 0.0
TOTALS	46109	250 210	95882	244 265	50875	253 180	41437	266 181	25741	236 175	0	0 0.0

MONTH	1972		1973		1974		1975		1976		1977	
	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG
JAN	2	0	2	0	2	0	2	0	2	0	2	0
FEB	2	0	2	0	2	0	2	0	2	0	2	0
MAR	2	0	2	0	2	0	2	0	2	0	2	0
APR	2	0	2	0	2	0	2	0	2	0	2	0
MAY	2	0	2	0	2	0	2	0	2	0	2	0
JUN	2	0	2	0	2	0	2	0	2	0	2	0
JUL	2	0	2	0	2	0	2	0	2	0	2	254
AUG	2	0	2	0	2	0	2	0	2	0	2	255
SEP	2	0	2	0	2	0	2	0	2	0	2	268
OCT	2	0	2	0	2	0	1	0	2	0	2	251
NOV	2	0	2	0	2	0	2	0	2	0	2	243
DEC	2	0	2	0	2	0	2	0	2	0	2	242
TOTALS	2	0	2	0	2	0	2	0	2	0	2	268

MONTH	1978		1979		1980		1981		1982		1983	
	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG
JAN	2	239	3	250	3	368	3	244	2	271	2	257
FEB	3	264	3	273	3	304	3	246	3	275	2	254
MAR	3	260	3	282	3	285	3	247	2	265	1	269
APR	3	417	3	336	3	286	2	242	1	264	2	298
MAY	3	383	3	353	3	301	3	250	1	252	2	387
JUN	3	273	3	334	3	315	0	0	2	254	1	302
JUL	3	270	3	267	3	301	1	289	2	269	0	0
AUG	3	281	3	238	3	303	3	249	2	263	1	275
SEP	3	272	3	248	3	300	3	256	2	251	0	0
OCT	3	290	3	265	3	266	3	277	2	260	0	0
NOV	3	276	3	249	3	267	2	257	2	281	0	0
DEC	3	254	3	284	3	300	2	257	2	277	1	251
TOTALS	3	417	3	353	3	368	3	289	3	281	2	387

MONTH	1984		1985		1986		1987		1988		1989	
	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG
JAN	2	265	2	281	2	273	1	247	1	41	0	0
FEB	1	246	2	282	2	258	2	271	1	294	0	0
MAR	0	0	2	258	2	257	2	228	1	264	0	0
APR	0	0	1	248	1	250	1	266	1	249	0	0
MAY	0	0	2	278	1	218	2	267	1	245	0	0
JUN	1	266	2	220	1	0	2	258	1	263	0	0
JUL	1	243	2	215	2	366	2	273	1	262	0	0
AUG	1	223	1	266	0	0	2	289	1	275	0	0
SEP	1	241	1	225	1	262	1	315	1	234	0	0
OCT	1	270	2	222	2	225	1	284	0	0	0	0
NOV	1	265	2	233	1	223	1	288	0	0	0	0
DEC	1	238	2	249	2	316	1	287	0	0	0	0
TOTALS	2	270	2	282	2	366	2	315	1	294	0	0



WELLS IN SUMMARY = 16
AVERAGE BTU/SCF = 1166
AVERAGE GRAVITY = 0.668
R.L. RATIO..... = 0.0

INITIAL.....MMCF = 0.000
CUMULATIVE...MMCF = 6223.594
REMAINING...MMCF = -6223.594

MONTH	1972		1973		1974		1975		1976		1977	
	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS
JAN	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
FEB	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
MAR	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
APR	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
MAY	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
JUN	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
JUL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
AUG	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
SEP	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
OCT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
NOV	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
DEC	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TOTALS	0	0	0	0	0	0	0	0	0	0	25181	268 27

MONTH	1978		1979		1980		1981		1982		1983	
	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS
JAN	13958	312 23.9	37854	240 8.3	59453	232 42.6	46640	244 29.6	82385	263 26.4	83618	242 26.9
FEB	9811	266 24.0	38229	243 7.3	44147	234 32.0	36770	245 24.6	58400	270 22.1	2999	251 2.0
MAR	7686	288 17.1	28919	238 25.8	49761	238 30.0	61642	242 30.8	43714	245 14.3	28308	261 4.1
APR	7637	390 24.9	27961	245 23.7	48434	242 30.1	36666	239 29.4	57227	263 13.9	51575	280 11.4
MAY	7997	345 32.0	33122	256 27.4	47739	255 31.6	51449	246 23.3	57879	258 11.0	35022	348 6.8
JUN	5911	271 23.9	31081	261 22.7	42888	266 26.1	995	243 0.8	46526	258 12.2	28611	305 7.5
JUL	7781	264 31.2	30384	265 31.9	45901	250 30.3	32122	308 15.3	60402	265 12.3	47668	287 7.5
AUG	45744	300 17.2	33652	262 29.2	33398	256 19.3	67682	257 18.2	80490	257 18.7	114401	275 18.9
SEP	49458	270 20.7	93276	263 34.9	41988	248 28.3	111394	267 18.7	35710	248 8.2	22004	270 6.5
OCT	57746	285 20.5	72821	265 40.8	65187	251 26.2	119638	245 27.5	57437	258 16.1	27380	308 26.6
NOV	46615	261 14.1	65168	241 37.1	69593	259 36.4	109973	253 27.0	98470	277 22.9	22704	332 10.1
DEC	37531	242 21.0	68913	235 43.3	51444	254 27.2	82695	258 25.3	84581	269 24.6	89881	268 14.5
TOTALS	297875	291 270	561380	251 332	599933	248 360	757666	253 271	763221	260 203	554171	285 143

MONTH	1984		1985		1986		1987		1988		1989	
	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS
JAN	108614	270 21.1	94153	276 17.8	74415	270 26.7	4339	276 13.2	59201	287 22.8	17176	260 26.3
FEB	79651	246 18.0	97009	276 24.4	65834	253 25.2	4802	283 16.6	64218	276 17.6		
MAR	103	264 1.0	33667	252 10.9	11395	258 4.9	4299	235 15.6	76612	252 22.3		
APR	349	263 0.8	23685	247 21.1	2943	247 27.0	4618	260 20.3	73502	235 23.8		
MAY	3233	314 3.9	18833	280 5.4	4516	231 4.9	9580	262 23.6	77948	236 25.1		
JUN	68798	274 12.9	124488	223 27.1	2862	223 18.2	20967	251 29.6	62732	247 18.5		
JUL	126416	243 25.4	79434	215 22.9	861	221 8.2	59463	275 11.2	48336	236 16.0		
AUG	106705	223 28.0	1121	260 4.0	1381	353 1.1	58693	294 11.5	8897	277 24.1		
SEP	77856	240 20.7	9681	255 9.5	24326	271 6.7	87568	289 16.3	9095	240 21.2		
OCT	40615	273 19.6	123128	223 26.5	19204	287 7.7	68462	273 17.8	770	218 5.2		
NOV	15135	262 12.0	92173	228 26.8	6093	324 3.5	78318	301 16.2	4865	293 27.1		
DEC	14723	229 28.6	85119	243 26.7	4013	302 7.5	83042	286 22.5	14185	275 21.9		
TOTALS	642198	258 192	782491	248 223	217843	270 142	484151	273 214	500361	256 245	17176	260 26

NORTHWEST PIPELINE CORPORATION
RESERVOIR ENGINEERING HISTORY FILE EXTRACT @ 14.73 PSIA
SAN JUAN 32-7 PICTURED CLIFFS

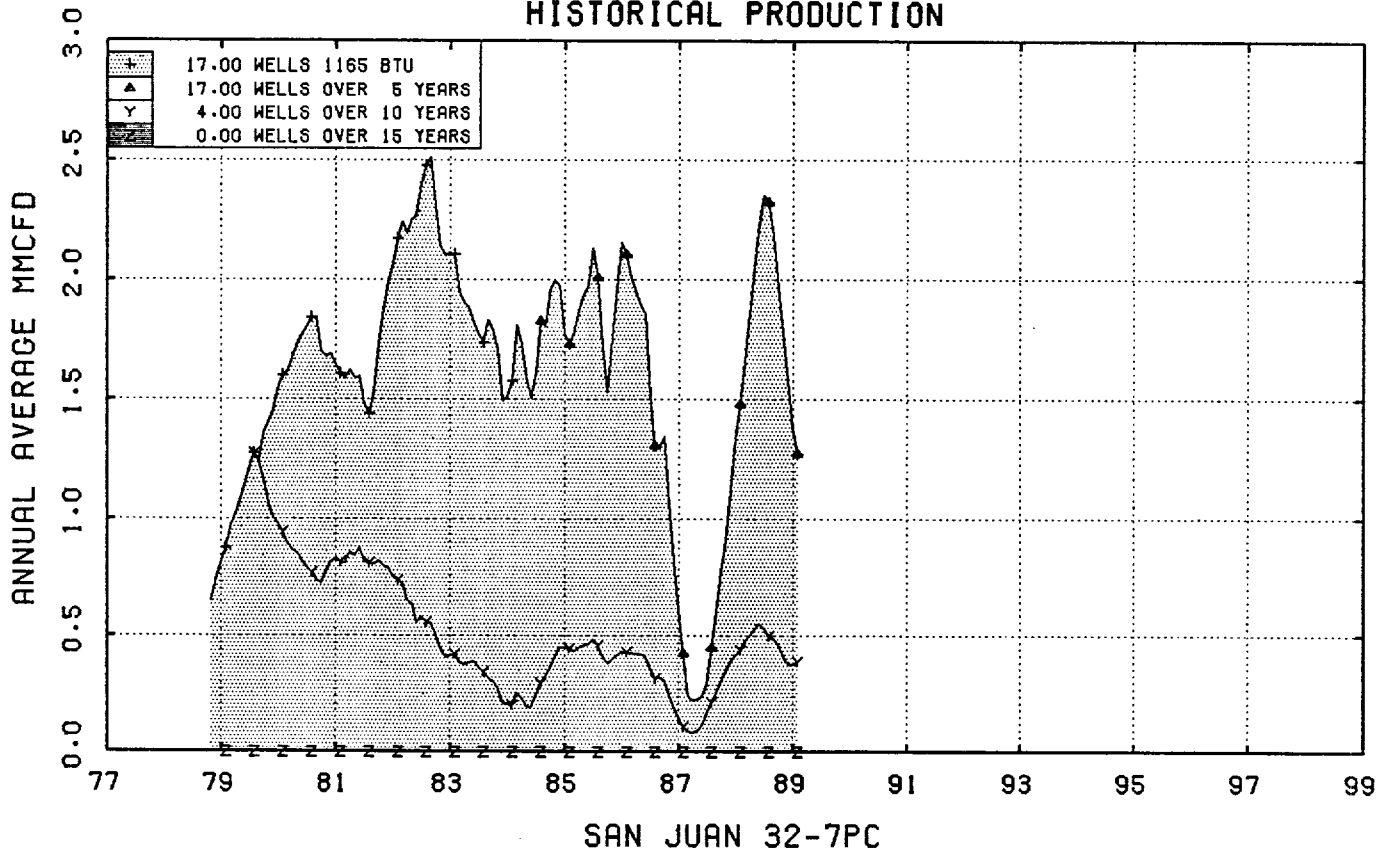
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MONTH	1972		1973		1974		1975		1976		1977	
	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG
JAN	0	0	0	0	0	0	0	0	0	0	0	0
FEB	0	0	0	0	0	0	0	0	0	0	0	0
MAR	0	0	0	0	0	0	0	0	0	0	0	0
APR	0	0	0	0	0	0	0	0	0	0	0	0
MAY	0	0	0	0	0	0	0	0	0	0	0	0
JUN	0	0	0	0	0	0	0	0	0	0	0	0
JUL	0	0	0	0	0	0	0	0	0	0	0	0
AUG	0	0	0	0	0	0	0	0	0	0	0	0
SEP	0	0	0	0	0	0	0	0	0	0	0	0
OCT	0	0	0	0	0	0	0	0	0	0	0	0
NOV	0	0	0	0	0	0	0	0	0	0	1	268
DEC	0	0	0	0	0	0	0	0	0	0	1	268
TOTALS	0	0	0	0	0	0	0	0	0	0	1	268

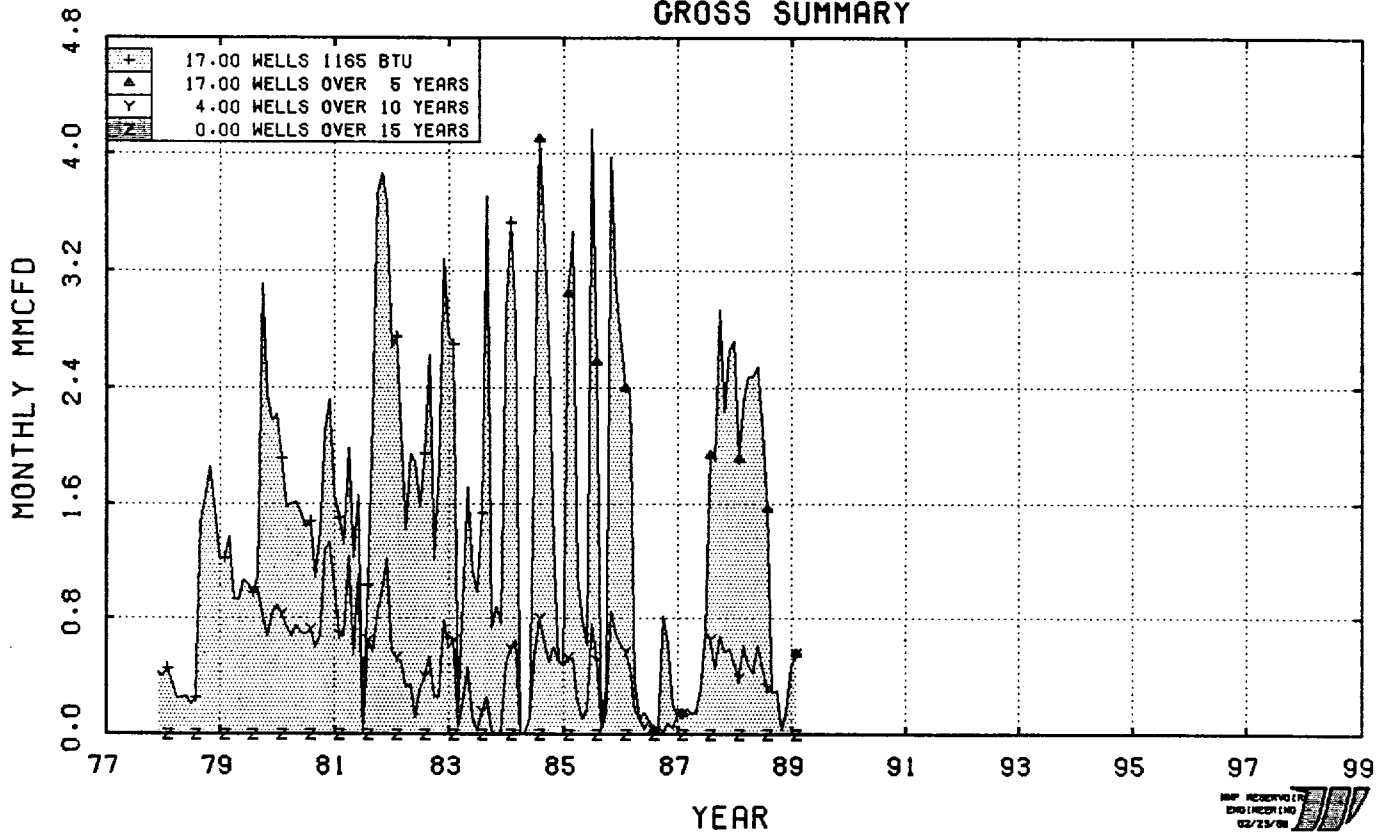
MONTH	1978		1979		1980		1981		1982		1983	
	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG
JAN	1	312	4	240	8	237	9	266	12	274	13	261
FEB	1	266	4	243	8	268	9	259	12	293	12	282
MAR	1	288	4	238	8	290	9	251	12	257	11	307
APR	1	390	4	245	8	282	9	256	13	274	13	345
MAY	1	345	4	256	8	280	9	255	12	281	9	389
JUN	1	271	4	261	8	283	1	243	13	304	5	411
JUL	1	264	4	265	8	267	9	391	14	303	11	432
AUG	2	300	8	262	8	272	10	271	14	308	14	357
SEP	3	270	8	274	8	261	11	304	14	331	9	420
OCT	4	285	8	270	9	268	11	301	14	297	2	322
NOV	4	261	8	250	9	283	11	295	14	303	4	574
DEC	4	242	8	240	9	274	12	278	13	297	15	581
TOTALS	4	390	8	274	9	290	12	391	14	331	15	581

MONTH	1984		1985		1986		1987		1988		1989	
	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG
JAN	15	394	15	319	15	290	3	337	11	314	3	264
FEB	14	285	15	302	14	281	3	301	15	294		
MAR	2	267	15	272	15	288	3	250	15	276		
APR	2	277	5	253	2	248	3	288	13	247		
MAY	3	403	15	426	4	238	3	267	15	257		
JUN	15	378	15	259	2	225	3	254	15	264		
JUL	15	278	15	255	2	222	15	328	14	244		
AUG	15	249	3	286	3	382	15	306	1	277		
SEP	15	262	4	330	5	418	15	315	3	253		
OCT	7	307	15	253	5	412	15	293	2	219		
NOV	6	280	15	261	4	431	15	332	2	294		
DEC	3	238	15	271	3	338	15	305	3	279		
TOTALS	15	403	15	426	15	431	15	337	15	314	3	264

HISTORICAL PRODUCTION



GROSS SUMMARY



WELLS IN SUMMARY = 40
AVERAGE BTU/SCF = 1009
AVERAGE GRAVITY = 0.587
R.L. RATIO..... = 0.0

INITIAL.....MMCF = 0.000
CUMULATIVE..MMCF = 30626.123
REMAINING...MMCF = -30626.123

MONTH	1972		1973		1974		1975		1976		1977	
	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS
JAN	99111	0 0.0	68700	0 0.0	98371	0 0.0	167706	0 0.0	117507	0 0.0	129475	0 0.0
FEB	70536	0 0.0	81894	0 0.0	73002	0 0.0	110037	0 0.0	132070	0 0.0	120917	0 0.0
MAR	89966	0 0.0	73484	0 0.0	82343	0 0.0	108095	0 0.0	161645	0 0.0	101452	0 0.0
APR	89354	0 0.0	71996	0 0.0	82460	0 0.0	102947	0 0.0	146100	0 0.0	123345	0 0.0
MAY	89081	0 0.0	67468	0 0.0	60550	0 0.0	109106	0 0.0	136144	0 0.0	122602	0 0.0
JUN	69205	0 0.0	67952	0 0.0	32562	0 0.0	40839	0 0.0	103536	0 0.0	71998	253 25.5
JUL	70067	0 0.0	47645	0 0.0	64687	0 0.0	56973	0 0.0	116162	0 0.0	75150	249 26.0
AUG	62973	0 0.0	50207	0 0.0	66341	0 0.0	55117	0 0.0	167166	0 0.0	86846	272 21.1
SEP	77479	0 0.0	75543	0 0.0	74657	0 0.0	57993	0 0.0	145179	0 0.0	114393	258 23.5
OCT	77161	0 0.0	83913	0 0.0	83290	0 0.0	118892	0 0.0	121144	0 0.0	119711	248 26.3
NOV	72275	0 0.0	86807	0 0.0	94276	0 0.0	103940	0 0.0	135974	0 0.0	153720	278 25.6
DEC	58122	0 0.0	97617	0 0.0	81745	0 0.0	94138	0 0.0	149799	0 0.0	141503	271 26.3
TOTALS	925330	0 0	873226	0 0	894284	0 0	1125783	0 0	1632426	0 0	1361112	261 174

MONTH	1978		1979		1980		1981		1982		1983	
	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS
JAN	156883	252 25.8	154323	248 28.0	122265	240 29.9	125622	253 27.6	142520	274 25.5	89390	254 23.7
FEB	147754	251 23.1	128637	247 24.1	89289	237 24.3	116942	255 23.6	121823	279 22.3	113509	270 13.6
MAR	167574	257 27.8	143717	242 27.8	114839	243 25.1	148690	250 26.7	115257	252 25.0	99699	290 15.4
APR	102010	364 18.6	123202	248 22.8	113143	256 26.7	76483	246 21.8	117986	275 22.9	79541	286 13.3
MAY	142752	352 24.7	121610	254 26.0	108403	266 26.8	113438	252 27.0	117991	278 15.5	65202	360 11.2
JUN	133775	274 22.2	129275	267 25.6	89060	285 19.6	3848	252 1.5	126538	278 11.4	59057	312 14.3
JUL	166041	273 28.2	126796	273 26.7	93470	261 23.4	44787	334 6.7	146431	290 12.1	61657	281 9.0
AUG	135835	292 21.7	111111	265 24.8	86486	266 20.5	99254	300 14.3	99395	280 10.0	74345	307 12.1
SEP	155610	281 27.5	108134	263 27.6	125208	262 23.3	98886	291 14.1	69812	295 9.0	53922	294 16.6
OCT	137138	288 25.0	129180	269 28.0	124599	261 25.8	142356	251 21.6	110808	299 15.4	69961	311 11.9
NOV	141760	270 25.5	126494	250 30.8	143985	268 29.3	152661	266 25.7	164387	294 23.4	140151	297 15.8
DEC	149383	253 24.5	122787	243 31.0	127112	263 22.4	118813	271 22.8	133771	282 21.7	53446	283 10.7
TOTALS	1736515	283 295	1525266	255 323	1337859	259 297	1241780	268 234	1466719	281 214	959880	295 168

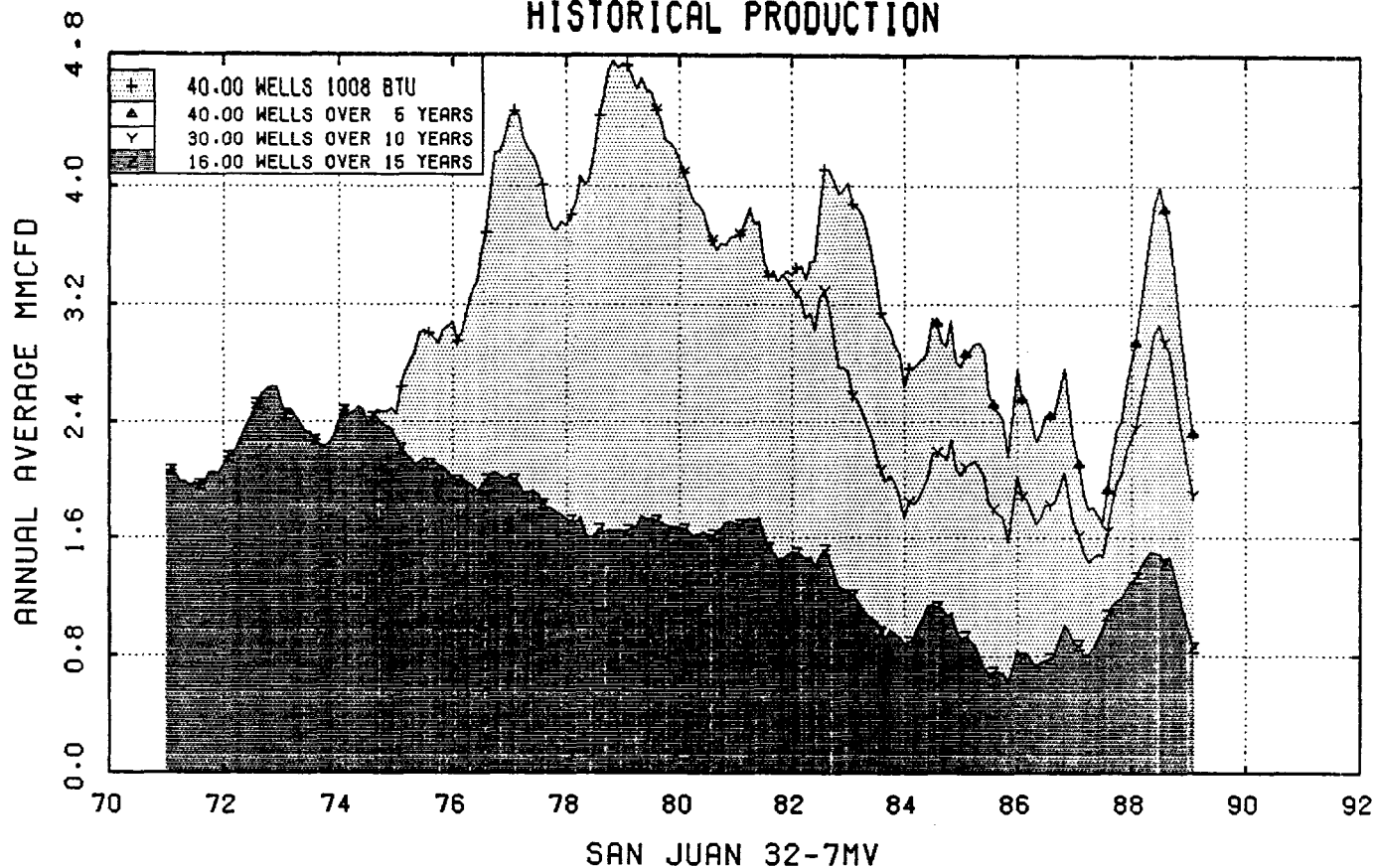
MONTH	1984		1985		1986		1987		1988		1989	
	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS
JAN	136267	291 17.4	170616	283 22.8	99739	279 19.2	50460	292 15.5	99605	287 18.8	13292	269 30.9
FEB	114755	255 19.0	123718	281 20.9	117861	268 19.8	50500	314 11.1	135234	286 19.4		
MAR	112958	238 19.8	128070	262 23.0	84197	257 12.6	44489	281 14.4	130863	264 18.8		
APR	89084	271 19.6	96026	261 16.9	86026	261 16.5	42484	300 18.6	125065	257 19.2		
MAY	83632	294 17.0	64760	277 11.8	85082	265 13.3	65672	281 28.8	154524	258 20.4		
JUN	139369	280 16.6	30929	230 29.9	76663	240 21.1	53291	258 27.8	93013	266 11.5		
JUL	48002	268 15.4	22425	232 26.4	21962	256 4.2	108303	299 14.4	51087	283 5.5		
AUG	27829	267 29.3	5984	263 11.2	12322	397 4.7	100465	299 14.0	56462	262 15.0		
SEP	45892	279 9.5	29002	233 9.7	82633	335 11.9	146976	309 17.0	41490	271 12.6		
OCT	132895	302 15.4	37040	287 15.6	93198	292 12.6	113971	280 17.5	2666	241 4.8		
NOV	36307	272 8.9	126002	282 14.1	37005	292 7.7	124648	313 16.0	19770	331 28.3		
DEC	38660	260 15.0	164265	267 24.2	63906	330 10.7	123131	297 19.9	13982	294 27.6		
TOTALS	1005650	273 203	998837	263 227	813194	289 154	1024390	293 215	923761	275 202	13292	269 31

MONTH	1972			1973			1974			1975			1976			1977		
	WELLS FLOWING	MAX PSIG		WELLS FLOWING	MAX PSIG		WELLS FLOWING	MAX PSIG		WELLS FLOWING	MAX PSIG		WELLS FLOWING	MAX PSIG		WELLS FLOWING	MAX PSIG	
JAN	15	0		14	0		15	0		21	0		23	0		24	0	
FEB	15	0		15	0		15	0		21	0		24	0		25	0	
MAR	15	0		15	0		15	0		21	0		25	0		25	0	
APR	15	0		15	0		15	0		21	0		26	0		26	0	
MAY	15	0		15	0		15	0		21	0		26	0		26	0	
JUN	15	0		14	0		14	0		17	0		26	0		23	344	0
JUL	15	0		13	0		15	0		16	0		26	0		24	328	0
AUG	15	0		13	0		15	0		16	0		26	0		26	350	0
SEP	15	0		15	0		16	0		21	0		26	0		26	387	0
OCT	14	0		15	0		16	0		21	0		26	0		26	370	0
NOV	14	0		15	0		16	0		21	0		26	0		28	682	0
DEC	14	0		15	0		16	0		21	0		26	0		28	544	0
TOTALS	15	0		15	0		16	0		21	0		26	0		28	682	

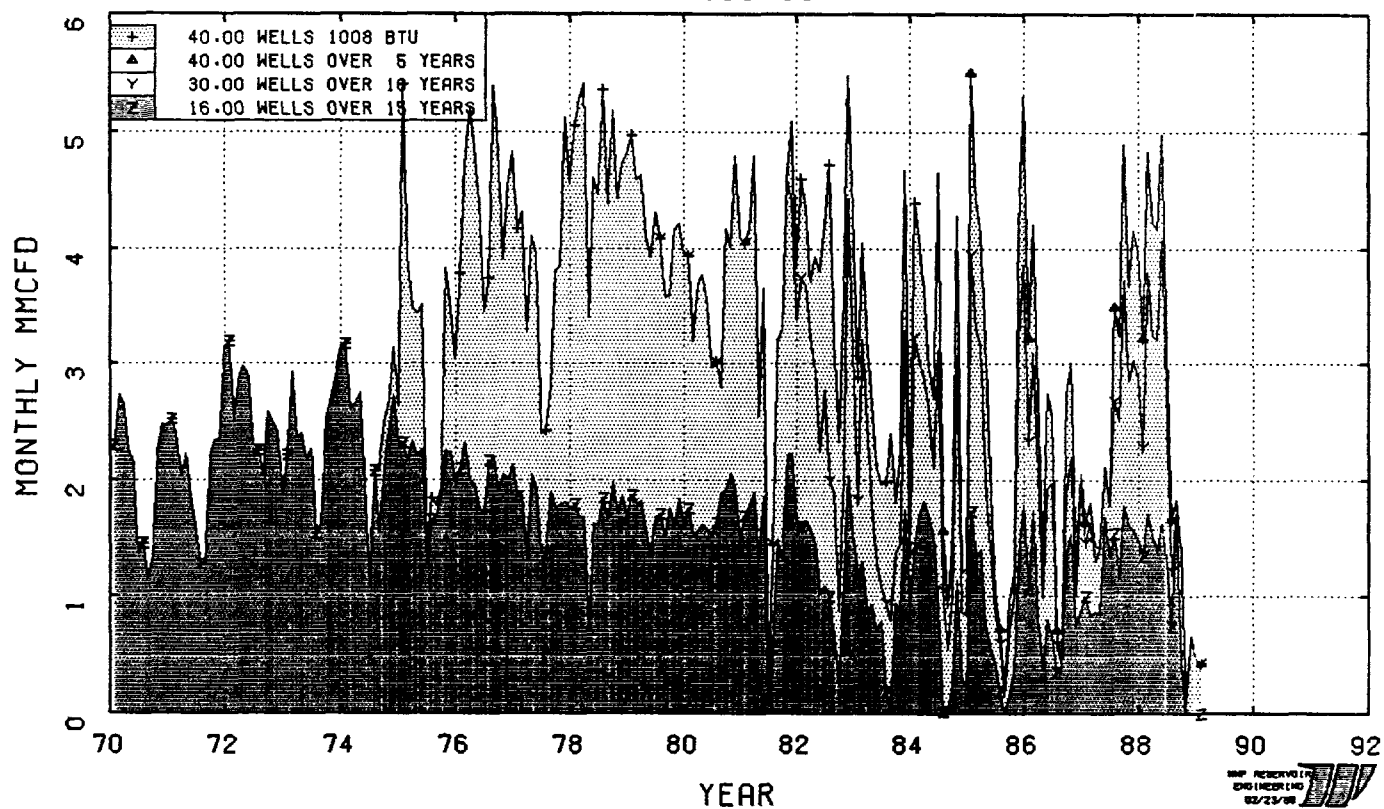
MONTH	1978			1979			1980			1981			1982			1983		
	WELLS FLOWING	MAX PSIG		WELLS FLOWING	MAX PSIG		WELLS FLOWING	MAX PSIG		WELLS FLOWING	MAX PSIG		WELLS FLOWING	MAX PSIG		WELLS FLOWING	MAX PSIG	
JAN	28	420		30	340		30	328		30	289		30	321		30	324	
FEB	28	350		30	339		30	324		30	294		31	350		36	420	
MAR	29	359		30	341		30	325		30	293		31	329		36	571	
APR	29	591		30	338		30	325		30	299		33	358		34	481	
MAY	29	416		30	337		30	360		30	378		33	385		27	456	
JUN	30	363		30	428		30	507		18	421		34	442		24	456	
JUL	30	381		30	554		30	434		23	617		38	445		18	480	
AUG	30	432		30	506		29	399		30	466		38	460		18	501	
SEP	30	368		30	348		30	325		30	417		24	494		19	486	
OCT	30	364		30	347		30	317		30	437		38	518		29	478	
NOV	30	363		30	337		30	370		30	372		34	419		37	476	
DEC	30	349		30	336		30	375		31	357		37	376		27	492	
TOTALS	30	591		30	554		30	507		31	617		38	518		37	571	

MONTH	1984			1985			1986			1987			1988			1989		
	WELLS FLOWING	MAX PSIG		WELLS FLOWING	MAX PSIG		WELLS FLOWING	MAX PSIG		WELLS FLOWING	MAX PSIG		WELLS FLOWING	MAX PSIG		WELLS FLOWING	MAX PSIG	
JAN	35	493		34	385		38	325		15	522		35	348				
FEB	36	452		35	347		38	388		19	502		38	394				
MAR	35	366		35	350		39	376		21	572		38	425				
APR	30	520		36	327		19	380		11	538		33	558				
MAY	32	539		35	453		37	645		13	420		38	484				
JUN	38	415		7	262		27	322		14	347		38	360				
JUL	13	379		7	275		32	685		39	539		33	508				
AUG	6	422		6	297		10	667		39	471		15	362				
SEP	22	505		14	330		30	620		39	413		14	410				
OCT	36	468		12	448		36	545		39	332		4	291				
NOV	26	368		38	654		23	557		38	406		4	372				
DEC	16	323		38	441		19	605		38	376		4	321				
TOTALS	38	539		38	654		39	685		39	572		38	558		4	295	

HISTORICAL PRODUCTION



GROSS SUMMARY



WELLS IN SUMMARY = 9
INITIAL.....MMCF = 0.000
AVERAGE BTU/SCF = 969
CUMULATIVE..MMCF = 5058.522
AVERAGE GRAVITY = 0.600
REMAINING...MMCF = -5058.522
R.L. RATIO..... = 0.0

MONTH	1972		1973		1974		1975		1976		1977	
	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS
JAN	16305	0 0.0	4263	0 0.0	37927	0 0.0	15146	0 0.0	16321	0 0.0	14708	0 0.0
FEB	9973	0 0.0	5753	0 0.0	20465	0 0.0	13823	0 0.0	14145	0 0.0	14014	0 0.0
MAR	14065	0 0.0	4632	0 0.0	25197	0 0.0	14597	0 0.0	16082	0 0.0	9795	0 0.0
APR	12152	0 0.0	5547	0 0.0	27306	0 0.0	11641	0 0.0	15729	0 0.0	15116	0 0.0
MAY	10997	0 0.0	3982	0 0.0	21585	0 0.0	18539	0 0.0	11646	0 0.0	16393	0 0.0
JUN	9699	0 0.0	5167	0 0.0	16364	0 0.0	13734	0 0.0	13765	0 0.0	18787	247 27.0
JUL	10104	0 0.0	6120	0 0.0	19090	0 0.0	13249	0 0.0	15124	0 0.0	12050	252 18.8
AUG	10339	0 0.0	8920	0 0.0	16332	0 0.0	13669	0 0.0	14609	0 0.0	15517	267 26.1
SEP	8013	0 0.0	10211	0 0.0	13938	0 0.0	13745	0 0.0	11811	0 0.0	13138	249 22.9
OCT	5365	0 0.0	17976	0 0.0	16822	0 0.0	14625	0 0.0	14576	0 0.0	16004	241 29.2
NOV	3920	0 0.0	16800	0 0.0	20620	0 0.0	17487	0 0.0	15187	0 0.0	15598	242 27.8
DEC	5703	0 0.0	18355	0 0.0	15728	0 0.0	11947	0 0.0	16780	0 0.0	14214	244 24.8
TOTALS	116635	0 0	107726	0 0	251374	0 0	172202	0 0	175775	0 0	175334	248 177

MONTH	1978		1979		1980		1981		1982		1983	
	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS
JAN	13148	233 26.1	11850	236 30.7	11900	225 25.8	11247	244 29.7	35688	259 25.0	28434	238 19.5
FEB	12091	236 23.7	10044	236 22.5	8018	223 20.4	9259	242 26.3	30820	264 21.3	3218	252 3.4
MAR	12548	246 27.1	11921	230 27.7	9129	226 21.5	8884	241 20.6	34363	239 22.6	8944	258 5.8
APR	3054	304 9.6	11666	236 24.6	9567	238 22.2	9395	241 19.9	31410	265 19.6	25425	260 12.4
MAY	13101	347 22.6	11093	244 21.0	12808	258 25.6	11287	245 25.9	19607	262 11.3	14743	309 7.8
JUN	14017	256 21.9	11772	255 23.3	8579	270 20.5	95	0 0.0	20339	254 10.6	19376	273 11.0
JUL	16407	255 30.5	12007	259 27.9	9818	252 24.4	4192	285 10.5	26727	260 12.4	24067	248 13.9
AUG	11767	258 22.8	9112	251 23.5	12738	261 19.8	11091	251 20.8	17910	246 10.1	28626	262 16.9
SEP	12744	275 25.2	11402	247 22.7	11639	251 19.8	19637	251 19.5	4621	244 5.7	478	243 1.3
OCT	12116	283 28.8	10585	257 22.8	10263	255 23.7	28296	202 15.0	24305	255 11.8	6174	242 4.2
NOV	13482	259 32.5	14394	234 25.7	11579	256 29.1	41372	243 24.6	35680	273 20.1	23230	247 10.5
DEC	10201	239 24.5	11435	226 24.2	7325	253 20.4	28659	249 26.2	35572	263 20.7	21946	234 10.7
TOTALS	144676	265 295	137281	242 297	123363	247 277	183414	244 239	317042	257 191	204661	255 118

MONTH	1984		1985		1986		1987		1988		1989	
	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS	MCF	PSIG DAYS
JAN	25094	251 14.6	36875	271 19.9	31733	267 20.4	24689	236 13.5	21585	281 11.4	22320	253 10.4
FEB	26102	227 14.8	28195	271 17.7	25609	250 17.2	23489	254 15.5	22374	271 11.8		
MAR	26066	211 19.2	26405	251 18.9	10736	235 11.0	21597	222 13.2	19285	248 11.7		
APR	20712	237 17.8	32376	247 19.6	3764	246 18.7	7042	238 4.7	10342	238 6.0		
MAY	13841	256 9.3	16153	254 8.6	34533	227 17.3	27000	254 11.2	18150	230 8.3		
JUN	18533	265 11.7	0	0 0.0	25286	225 16.2	28259	243 14.2	6676	256 2.7		
JUL	6371	248 7.2	0	0 0.0	3955	191 2.1	23193	255 12.0	4909	291 2.0		
AUG	0	0 0.0	0	0 0.0	14583	303 14.6	22695	284 9.9	11794	258 7.3		
SEP	4303	242 2.2	1635	218 4.9	24584	248 12.5	26627	306 12.3	21391	230 11.1		
OCT	18838	270 13.2	1617	279 1.9	26773	219 16.8	24475	270 12.5	15726	265 10.4		
NOV	1316	251 2.4	22005	259 10.1	20505	222 11.0	23261	287 12.3	16291	282 11.6		
DEC	1455	259 2.7	36725	250 18.6	27934	249 14.4	23934	284 12.6	16761	274 10.1		
TOTALS	162631	247 115	201986	255 120	249995	240 172	276261	261 144	185284	260 105	22320	253 10

NORTHWEST PIPELINE CORPORATION
RESERVOIR ENGINEERING HISTORY FILE EXTRACT @ 14.73 PSIA
SAN JUAN 32-7 DAKOTA

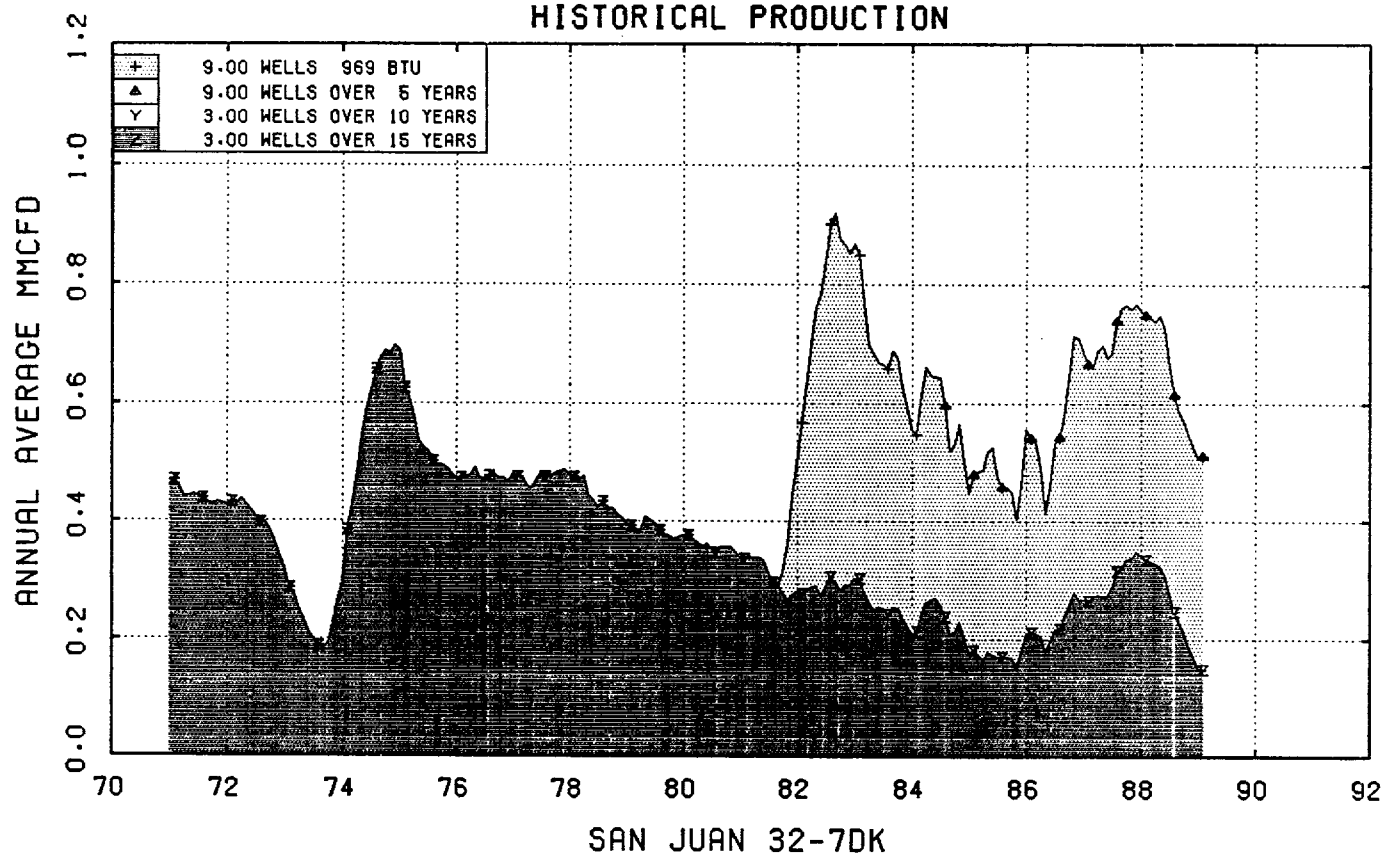
U53N0580 JANUARY 1989
THU FEBRUARY 23, 1989 7:42:52 AM

MONTH	1972		1973		1974		1975		1976		1977	
	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG
JAN	2	0	1	0	3	0	3	0	3	0	3	0
FEB	2	0	1	0	3	0	3	0	3	0	3	0
MAR	2	0	1	0	3	0	3	0	3	0	3	0
APR	2	0	1	0	3	0	3	0	3	0	3	0
MAY	2	0	1	0	3	0	3	0	3	0	3	0
JUN	2	0	1	0	3	0	3	0	3	0	3	0
JUL	2	0	1	0	3	0	3	0	3	0	3	0
AUG	2	0	1	0	3	0	3	0	3	0	3	0
SEP	2	0	2	0	3	0	3	0	3	0	3	0
OCT	1	0	2	0	3	0	3	0	3	0	3	0
NOV	1	0	2	0	3	0	3	0	3	0	3	0
DEC	1	0	2	0	3	0	3	0	3	0	3	0
TOTALS	2	0	2	0	3	0	3	0	3	0	3	0

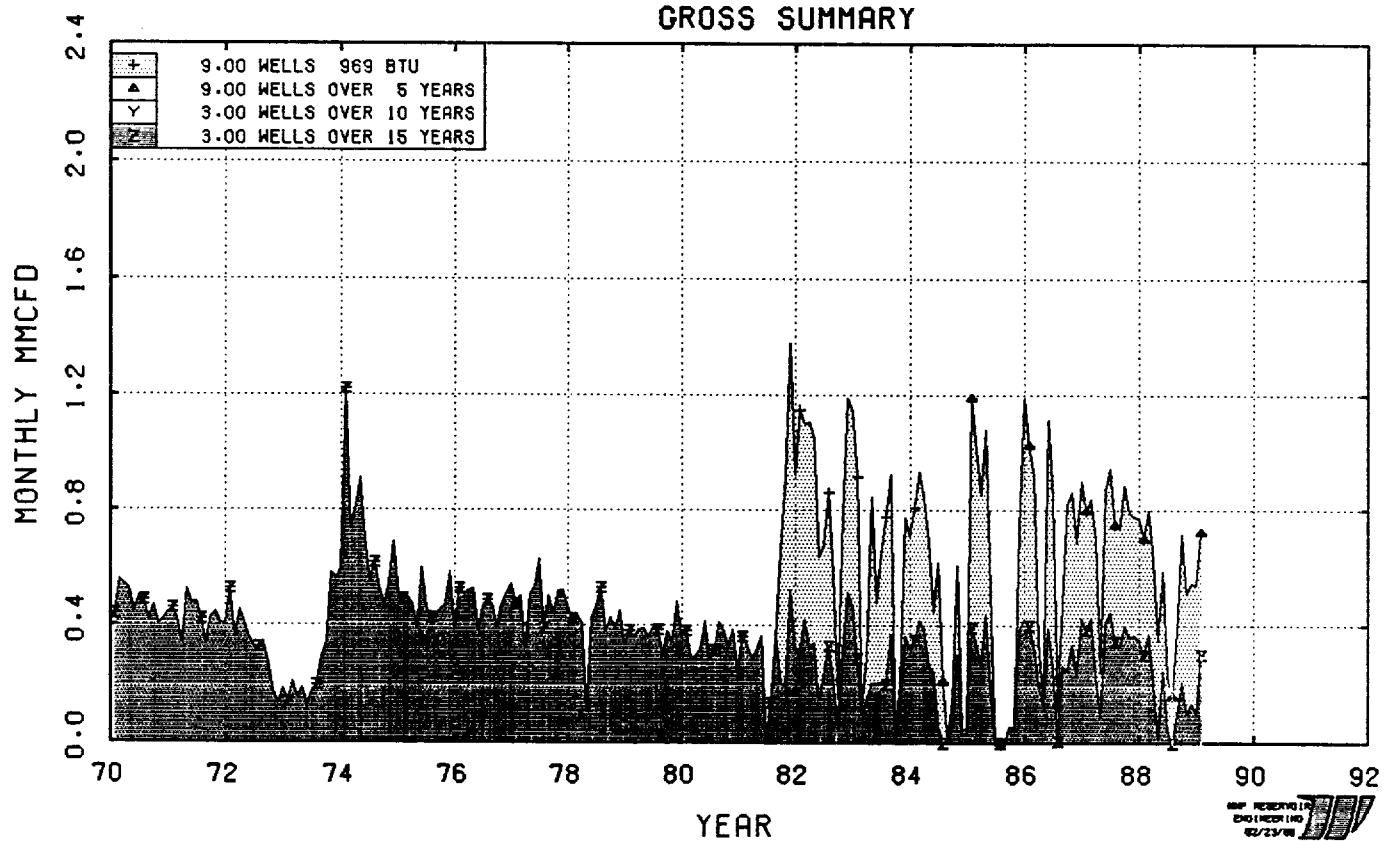
MONTH	1978		1979		1980		1981		1982		1983	
	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG
JAN	3	235	3	244	3	233	3	246	9	276	9	253
FEB	3	239	3	244	3	230	3	244	9	271	6	270
MAR	3	247	3	235	3	235	3	242	9	248	8	270
APR	2	354	3	242	3	250	3	243	9	283	9	293
MAY	2	374	3	249	3	271	3	246	9	284	7	373
JUN	3	259	3	261	3	278	1	0	8	264	8	299
JUL	3	261	3	267	3	261	3	298	9	276	8	266
AUG	3	266	3	257	3	269	3	253	9	252	8	272
SEP	3	276	3	254	3	254	6	256	4	282	4	243
OCT	3	289	3	264	3	263	8	289	8	262	4	248
NOV	3	270	3	239	3	262	8	249	9	289	8	256
DEC	3	246	3	232	3	254	7	257	9	283	8	253
TOTALS	3	374	3	267	3	278	8	298	9	289	9	373

MONTH	1984		1985		1986		1987		1988		1989	
	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG	WELLS FLOWING	MAX PSIG
JAN	8	266	9	281	9	277	9	243	9	297	9	267
FEB	9	249	9	284	9	259	9	261	9	299		
MAR	8	230	9	259	8	249	9	233	9	260		
APR	8	251	9	254	2	249	8	252	7	249		
MAY	8	277	9	270	9	234	9	265	8	242		
JUN	8	278	0	0	9	239	9	256	8	297		
JUL	5	253	0	0	8	208	9	270	6	306		
AUG	0	0	0	0	5	307	9	316	7	308		
SEP	6	304	1	218	9	262	9	335	8	239		
OCT	7	295	2	309	9	226	9	291	7	284		
NOV	4	255	9	297	9	237	9	306	7	290		
DEC	2	263	9	263	9	255	9	308	8	288		
TOTALS	9	304	9	309	9	307	9	335	9	308	9	267

HISTORICAL PRODUCTION



GROSS SUMMARY





United States Department of the Interior

BUREAU OF LAND MANAGEMENT
ALBUQUERQUE DISTRICT OFFICE
435 MONTANO N.E.
ALBUQUERQUE, NEW MEXICO 87107



NOV 04 1988

San Juan 32-7
3180 (015) (PA)

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

Gentlemen:

By letter dated October 11, 1988, we received a Notice of Completion of a Non-Commercial well, Mesaverde 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. 83 (located 460 feet from the south and 660 feet from the west of Section 28, T. 32 N., R. 7 W.) is not capable of producing unitized substances in paying quantities from the Mesaverde Formation. This notice is hereby accepted for the record.

If you have any questions, please contact Gail Keller at (505) 761-4503.

Sincerely,

/s/ Gary A. Stephens

Assistant District Manager
Mineral Resources

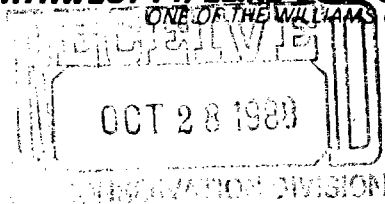
✓ NMOCD

NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES

611-88

P.O. BOX 8900
SALT LAKE CITY, UTAH 84108-0899
801-584-7215

LAND DEPARTMENT



October 25, 1988

Assistant District Manager, Minerals
Bureau of Land Management
425 Montano, N.E.
Albuquerque, NM 87107

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: Mr. William J. LeMay
310 Old Santa Fe Trail, Room 206
Santa Fe, NM 87503

Re: San Juan 32-7 Unit #14-08-001-441
San Juan County, New Mexico
NOTICE OF COMPLETION OF NON-COMMERCIAL 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 not capable of producing unitized substances in paying quantities from the Pictured Cliffs formation.

The well data is as follows:

The San Juan 32-7 Pictured Cliffs Unit #83 well is located 460 feet from the south line and 660 feet from the west line, Section 28, Township 32 North, Range 7 West, N.M.P.M., San Juan County, New Mexico. This well was spudded on August 2, 1985 and completed in the Pictured Cliffs formation on October 6, 1985. The plug back depth is 6100'. The Pictured Cliffs formation was perforated with one shot per foot at the following depths:

3348', 3354', 3360', 3400', 3406', 3412', 3418', 3424', 3430',
3446', 3456', 3486', 3518', 3524', 3530', 3536', 3542', 3554',
3562', 3570', 3578', 3586', 3594', 3602', 3610', 3620'

Assistant District Manager, Minerals
Commissioner of Public Lands
Oil Conservation Commission
October 25, 1988
Page 2

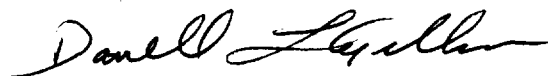
The Pictured Cliffs formation was hydraulically fractured using 116,970 gallons of treated water carrying 80,000 pounds of 10/20 mesh sand. On November 11, 1985 a 3-hour test through a positive choke produced 199 Mcf of gas. The 24 hour calculated rate was 1594 Mcfd with an AOF of 4610 Mcfd. The shut-in casing pressure was 1455 psig.

If this determination meets with your approval, please 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
Supervisor, Land Department

DLG/cg
Attachments

cc: Working Interest Owners
K. J. Stracke
W. S. West
L. G. Loving
C. N. Potter
M. H. Johnson
R. P. Gregory
R. L. Glenn
L. K. Leaver

Assistant District Manager, Minerals
Commissioner of Public Lands
Oil Conservation Commission
October 25, 1988
Page 3

APPROVED

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

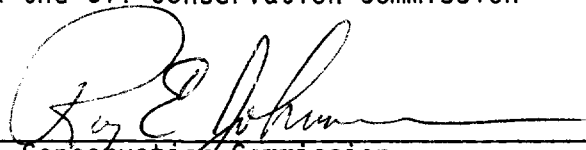
DATE

APPROVED

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

DATE

APPROVED



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

DATE

10-31-88

The foregoing is the approval of Notice of Completion of Non-Commercial Well
for the San Juan 32-7 Unit #83 Well, Pictured Cliffs Formation.

U56N2650
10/24/88

WORKING INTEREST OWNERS
SAN JUAN 32-7 UNIT

ELIZABETH CALLOWAY
4801 ST. JOHNS DRIVE
DALLAS, TX 75205

FRED E. TURNER
ONE ENERGY SQUARE, SUITE 852
4925 GREENVILLE AVENUE
DALLAS, TX 75206-4079

J. GLENN TURNER, JR.
500 LTV CENTER
2001 ROSS AVENUE
DALLAS, TX 75201

JOHN L. TURNER
8585 NORTH STEMMONS, SUITE 925N
DALLAS, TX 75247

MARY FRANCIS TURNER, JR.
C/O MERCANTILE NAT'L BANK AT DALLAS
P.O. BOX 225415
DALLAS, TX 75265

MERIDIAN OIL PRODUCTION INC.
LAND DEPARTMENT
P.O. BOX 4289
FARMINGTON, NM 87401

PHILLIPS PETROLEUM COMPANY
ATTN: GARY KUSE
8055 E. TUFTS AVE. PKWY.
DENVER, CO 80237

NORTHWEST PIPELINE CORPORATION
GAS RESERVES DEPARTMENT ECONOMIC STUDY
SAN JUAN 32-7 UNIT #83 (85968) (PC)

THU OCTOBER 6, 1988
8:57:52 AM

WORKING INT. U/PAYOUT.....%	100.0	ANNUAL COST INFLATION.....%	0.0
WORKING INT. A/PAYOUT.....%	100.0	ANNUAL PRICE INFLATION.....%	0.0
INCOME TAX.....%	36.0	NEG INC TAX USED AS FUTURE CREDIT	
UNIT OF PRODUCTION DEPRECIATION			

GAS PRODUCTION FROM SAN JUAN 32-7 UNIT #83 (PC)			
LAND OWNER ROYALTY.....%	12.5	OVERRIDING ROYALTY.....%	0.0
AD VALOREM AND SEV TAXES....%	10.4	OPERATING COSTS (\$/MO).....	357.0
MONTH OF CAPITAL EXPENSE.....	8	OPERATING COSTS (% OF PROD)...	0.0
DRILLING COSTS (\$1000).....	184.4	TANGIBLE \$ (% OF DRILLING \$)	21.2
SALVAGE VALUE (\$1000).....	0.0		

INITIAL MONTH	MCF/D	DECLINE %	MCF/D	TO ENDING MONTH
8	96.0	69.3	87.0	9
9	87.0	76.9	77.0	10
10	77.0	62.2	71.0	11
11	71.0	58.4	66.0	12
12	66.0	42.8	63.0	13
13	63.0	44.3	60.0	14
14	60.0	46.0	57.0	15
15	57.0	34.9	55.0	16
16	55.0	35.9	53.0	17
17	53.0	20.4	52.0	18
18	52.0	37.5	50.0	19
19	50.0	21.5	49.0	20
20	49.0	13.1	28.0	68
68	28.0	5.6	21.0	128
128	21.0	3.0	18.0	188
188	18.0	3.6	15.0	248
248	15.0	100.0	0.0	249

YEAR	BEG. YR \$/ MCF	AVG MCF/D	ANNUAL MCF	ROYALTY MCF	REVENUE AFTER ROYALTY \$1000
1987	1.82	33	12084.	1510.	19.
1988	1.82	52	19157.	2395.	34.
1989	1.25	43	15848.	1981.	17.
1990	1.25	38	13779.	1722.	15.
1991	1.25	33	11980.	1497.	13.
1992	1.25	29	10473.	1309.	11.
1993	1.25	27	9726.	1216.	11.
1994	1.25	25	9182.	1148.	10.
1995	1.25	24	8669.	1084.	9.
1996	1.25	22	8184.	1023.	9.
1997	1.25	21	7741.	968.	8.
1998	1.25	20	7466.	933.	8.
1999	1.25	20	7240.	905.	8.
2000	1.25	19	7020.	877.	8.
2001	1.25	19	6807.	851.	7.
2002	1.25	18	6598.	825.	7.
2003	1.25	17	6368.	796.	7.
2004	1.25	17	6140.	768.	7.

2005	1.25	16	5920.	740.	6.
2006	1.25	16	5708.	714.	6.
2007	1.25	10	3692.	461.	4.
TOTAL.....			189776.	23722.	226.

WORKING INT. B/PAYOUT.....% 100.0
ANNUAL COST INFLATION.....% 0.0
WORKING INT. A/PAYOUT.....% 100.0
ANNUAL PRICE INFLATION.....% 0.0
INCOME TAX.....% 36.0
NEG INC TAX USED AS FUTURE CREDIT
UNIT OF PRODUCTION DEPRECIATION

DISCOUNT *****
RATE \$1000 *****
% BEFORE TAX AFTER TAX BEFORE TAX AFTER TAX
-7.2 0. 0.00 0.0
-7.2 0. 0.00 0.0
15.0 -105. -105. -0.57 -0.57
RATE OF RETURN B.T.
RATE OF RETURN A.T.

YEAR	INCOME \$1000 **NET*	PROJECT EXPENSES IN \$1000* CAPITAL* DEPR. SEV. TAXES	AD.V. PROD. COSTS	CASH FLOW ANALYSIS IN \$1000** ***** BEFORE TAXES BEFORE TAXES TAXED INCOME TAXES AFTER TAXES					
1987	19	184	2	2	-169	-169	-132	0	-169
1988	34	0	4	4	26	-143	22	0	26
1989	17	0	3	2	11	-132	8	0	11
1990	15	0	3	2	9	-123	6	0	9
1991	13	0	2	1	7	-115	5	0	7
1992	11	0	2	1	6	-109	4	0	6
1993	11	0	2	1	5	-104	3	0	5
1994	10	0	2	1	4	-99	3	0	4
1995	9	0	2	1	4	-95	2	0	4
1996	9	0	2	1	4	-91	2	0	4
1997	8	0	2	1	3	-88	2	0	3
1998	8	0	2	1	3	-85	1	0	3
1999	8	0	1	1	3	-82	1	0	3
2000	8	0	1	1	3	-80	1	0	3
2001	7	0	1	1	2	-77	1	0	2
2002	7	0	1	1	2	-75	1	0	2
2003	7	0	1	1	2	-73	1	0	2
2004	7	0	1	1	2	-71	0	0	2
2005	6	0	1	1	2	-70	0	0	2
2006	6	0	1	1	1	-69	0	0	1
2007	4	0	1	0	1	-68	0	0	1
TOTAL	227	185	39	24	86	-68	0	-68	0

THIS PROJECT DOES NOT PAYOUT

AUGUST 1988 U53N0110 PAGE 001
TUE OCTOBER 11, 1988 9:30:18 AM

[illegible]