



IN REPLY REFER TO:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Drawer 1857 <sup>10</sup> <sup>15</sup>  
Roswell, New Mexico 88201

241  
March 28, 1966

Pan American Petroleum Corporation  
Security Life Building  
Denver, Colorado 80202

Attention: Mr. T. M. Curtis

Gentlemen:

Your 1966 plan of development dated January 26, 1966, for the Gallegos Canyon unit area, San Juan County, New Mexico, proposing to complete the development of the Dakota reservoir within the unit area with the drilling of approximately 38 Dakota wells, has been approved on this date subject to like approval by the appropriate State officials.

Three approved copies of the plan are enclosed.

Sincerely yours,

(SIGNED) JOHN A. ANDERSON

JOHN A. ANDERSON  
Regional Oil and Gas Supervisor

cc:

Washington (w/cy of plan)

Farmington (w/cy of plan)

NMOCC - Santa Fe (ltr. only) ✓

Com. of Public Lands - Santa Fe (ltr. only)

RPearcy:jh:3-28-66



247  
IN REPLY REFER TO:  
MAR 23 1966  
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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Drawer 1857  
Roswell, New Mexico 88201

March 21, 1966

Pan American Petroleum Corporation  
Security Life Building  
Denver, Colorado 80202

Attention: Mr. T. M. Curtis

Gentlemen:

Your notice of December 16, 1965, advises that Pan American Petroleum Corporation as unit operator of the Gallegos Canyon unit area, San Juan County, New Mexico, has determined that unit well No. 140 is incapable of producing unitized substances in paying quantities from the Gallup formation.

Unit well No. 140 in the NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 29, T. 28 N., R. 12 W., N.M.P.M., was completed September 3, 1963, for an initial potential of 6,903 MCF/D with 8 barrels of condensate per million. This well was placed on production during December 1964.

This office concurs with your determination that unit well No. 140 is incapable of producing unitized substances in paying quantities under existing conditions. Production from this well should be allocated to the lease on which it is located.

Sincerely yours,

(Original) CARL C. TRAYWICK

CARL C. TRAYWICK  
Acting Oil and Gas Supervisor

cc:  
Washington (w/cy of notice)  
Farmington (w/cy of notice)  
N.M.O.C.C. - Santa Fe (ltr. only) ✓  
Com. of Pub. Lands - Santa Fe (ltr. only)  
Accounts

RHDarrow:jh:3-21-66

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO

247

February 24, 1966

**Pan American Petroleum Corporation  
Security Life Building  
Denver, Colorado 80202**

**Attention: Mr. T. M. Curtis**

**Re: 1966 Plan of Development,  
Gallegos Canyon Unit, San  
Juan County, New Mexico**

**Gentlemen:**

**This is to advise that the New Mexico Oil Conservation  
Commission has this date approved the 1966 Plan of  
Development for the Gallegos Canyon Unit, San Juan County,  
New Mexico, subject to like approval by the United States  
Geological Survey and the Commissioner of Public Lands  
of the State of New Mexico.**

**Two approved copies of the plan are returned herewith.**

**Very truly yours,**

**A. L. PORTER, Jr.,  
Secretary-Director**

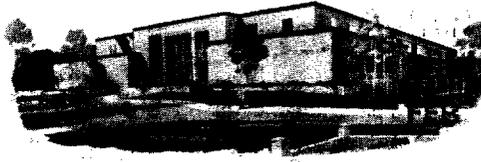
**ALP/JEK/og**

**cc: Commissioner of Public Lands  
Santa Fe, New Mexico**

**U. S. Geological Survey  
Box 1857  
Roswell, New Mexico**

C  
O  
P  
Y

State of New Mexico



Commissioner of Public Lands



February 21, 1966

GUYTON B. HAYS  
COMMISSIONER

P. O. BOX 1148  
SANTA FE, NEW MEXICO

Pan American Petroleum Corporation  
Security Life Building  
Denver, Colorado

Re: Gallegos Canyon Unit  
San Juan County, New Mexico

ATTENTION: Mr. T. M. Curtis

Gentlemen:

The Commissioner of Public Lands approves as of this date the 1966 Plan of Development for the Gallegos Canyon Unit, subject to like approval by the United States Geological Survey.

This Plan provides for the drilling of an additional ten Dakota wells during the 1966 calendar year.

We are returning one approved copy of this plan.

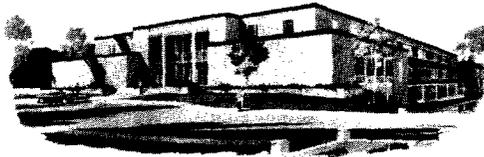
Very truly yours,

GUYTON B. HAYS  
COMMISSIONER OF PUBLIC LANDS

BY:  
Ted Bilberry, Director  
Oil and Gas Department

GHH/TR/MHR/s

State of New Mexico



Commissioner of Public Lands

GUYTON B. HAYS  
COMMISSIONER



P. O. BOX 1148  
SANTA FE, NEW MEXICO

**Pan American Petroleum Corporation  
Security Life Building  
Denver, Colorado**

**February 21, 1966  
Page 2.**

**cc: Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico**

**United States Geological Survey  
P. O. Box 1857  
Roswell, New Mexico**

# PAN AMERICAN PETROLEUM CORPORATION

MAIN OFFICE 000

SECURITY LIFE BUILDING

DENVER, COLORADO FEB 25 PM 3 03

PRODUCING DEPARTMENT  
H. T. HUNTER  
DIVISION PRODUCTION  
MANAGER

January 26, 1966

DISTRICT SUPERINTENDENTS  
W. M. JONES  
A. E. PIPER  
T. M. CURTIS

File: TMC-33-416

Re: 1966 Plan of Development  
Gallegos Canyon Unit  
San Juan County, New Mexico

Director (6)  
United States Geological Survey  
P. O. Drawer 1857  
Roswell, New Mexico

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

Oil Conservation Commission of (3)  
The State of New Mexico  
P. O. Box 2088  
Santa Fe, New Mexico

All Working Interest Owners  
Gallegos Canyon Unit  
(See Attached Addressee List)

Gentlemen:

In compliance with Section 9 of the Gallegos Canyon Unit Agreement dated November 1, 1950, designated I-Sec. No. 844, Pan American Petroleum Corporation, as Unit Operator, respectfully submits for your approval a Plan of Development for the calendar year of 1966. The proposed plan has been approved by the Working Interest Owners as provided by the Unit Operating Agreement.

History of Past Development - There has been a total of 201 wells drilled in the Gallegos Canyon Unit. Of these, 61 are Pictured Cliffs producers, 4 are Gallup-Dakota duals, 83 are single Dakotas, 25 are Gallup oil, 1 is a Gallup gas, 1 is a Fruitland completion, 18 wells are dry holes and abandoned, and 4 are water injectors.

Participating areas have been formed for the Pictured Cliffs, the Dakota zone, and three separate Gallup pools inside the Unit. A non-commercial classification for the Fruitland completion was approved. Two water injection projects are in operation on acreage comprising Gallup Area "B" and Gallup Area "C".

The attached tabulation furnishes a statistical review of operations in the Gallegos Canyon Unit.

Proposed Additional Wells - It is planned to essentially complete development of the Dakota within the Gallegos Canyon Unit during 1966. About 38 prospective well locations remain; however, as development advances some locations may be found nonproductive or otherwise undesirable for drilling. Ten locations were proposed to the Working Interest Owners in December, 1965, and have subsequently been approved. Attached is a tabulation showing these locations. Additional locations will be provided as they are selected.

No other development drilling for Gallup and Pictured Cliffs is anticipated at this time. Should reviews of production and the reservoir indicate additional drilling is required, locations will be submitted as appropriate.

January 26, 1966

U. S. Geological Survey  
Commissioner of Public Lands  
Oil Conservation Commission  
All Working Interest Owners

File: TMC-33-416  
Re: 1966 Plan of Development  
Gallegos Canyon Unit  
San Juan County, New Mexico

Well Casing Program - The well casing program will generally follow current programs used in similar wells in the San Juan Basin. Included will be surface casing and other casing as required by the United States Geological Survey and the State of New Mexico.

Offset Obligation - Appropriate measures will be taken to prevent drainage of unitized substances from lands subject to the Gallegos Canyon Unit Agreement, or, pursuant to applicable regulations, fair and reasonable compensatory royalty will be paid as provided in Section 15 of the Unit Agreement.

Further Development - This Plan of Development shall constitute the drilling obligation of the Unit Operator under terms of the Gallegos Canyon Unit Agreement for the period ending December 31, 1966.

Modifications It is understood that this plan is dependent upon certain information to be obtained prior to and subsequent to drilling, therefore, it may be modified from time to time to meet changing conditions.

Effective Date - This Plan of Development shall be effective January 1, 1966.

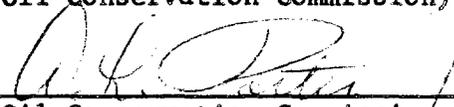
Yours very truly,



Attachments

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Director, United States Geological Survey  
(Subject to like approval by appropriate  
State Officials)

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Commissioner of Public Lands  
(Subject to like approval by U.S.G.S. and  
Oil Conservation Commission)

APPROVED:  \_\_\_\_\_ DATE: Feb 24, 1966  
Oil Conservation Commission  
(Subject to like approval by U.S.G.S. and  
Commissioner of Public Lands)

STATISTICAL REVIEW OF OPERATIONS  
GALLEGOS CANYON UNIT  
DECEMBER 1, 1965

Total wells drilled in Unit area	201
Total Unit acreage	43,146.82 acres

Pictured Cliffs Statistics

Pictured Cliffs Participating Area	27,496.46 acres
Total Wells Drilled	79
Dry Holes	18
Producing Wells	61
Current Production:	
October, 1965	58,184 MCF
November, 1965	105,702 MCF
Cumulative Production to 12-1-65	32,373,988 MCF

Dakota Statistics

Dakota Participating Area	43,146.62 acres
Total Wells Drilled	87 (Includes 4 duals)
Producing Wells	83
Current Production:	
October, 1965	665,209 MCF
November, 1965	1,006,426 MCF
Cumulative Production to 12-1-65	20,227,091 MCF

Gallup Statistics

Gallup Participating Area "A"	880 acres
Gallup Participating Area "B"	715.40 acres
Gallup Participating Area "C"	2,148.75 acres
Producing Wells (Includes 13 Non-Commercial)	34 (Includes 4 duals, 4 water injection & 1 Gallup gas)
Current Production:	
October, 1965	11,628 Bbls.
November, 1965	11,023 Bbls.
Cumulative Production to 12-1-65	1,454,292 Bbls.

Fruitland Statistics

Total Wells Drilled	1 (Non-Commercial)
Current Production:	
October, 1965	1,070 MCF
November, 1965	1,079 MCF
Cumulative Production to 12-1-65	135,234 MCF

TABULATIONS OF WELLS APPROVED IN DECEMBER 1965

San Juan County, New Mexico

Gallegos Canyon Unit - Dakota No. 210, SW/4 Sec. 31, T29N-R12W  
Gallegos Canyon Unit - Dakota No. 211, NE/4 Sec. 32, T29N-R12W  
Gallegos Canyon Unit - Dakota No. 212, SW/4 Sec. 32, T29N-R12W  
Gallegos Canyon Unit - Dakota No. 213, SE/4 Sec. 8, T28N-R12W  
Gallegos Canyon Unit - Dakota No. 214, NE/4 Sec. 16, T28N-R12W  
Gallegos Canyon Unit - Dakota No. 215, SW/4 Sec. 16, T28N-R12W  
Gallegos Canyon Unit - Dakota No. 216, SW/4 Sec. 14, T28N-R12W  
Gallegos Canyon Unit - Dakota No. 217, SW/4 Sec. 13, T28N-R12W  
Gallegos Canyon Unit - Dakota No. 218, NE/4 Sec. 22, T28N-R12W  
Gallegos Canyon Unit - Dakota No. 219, NE/4 Sec. 23, T28N-R12W

MAILING LIST OF WORKING INTEREST OWNERS  
GALLEGOS CANYON UNIT AREA  
SAN JUAN COUNTY, NEW MEXICO

American Petrofina Co. of Texas  
P. O. Box 2159  
Dallas 21, Texas  
Attention: Mr. Deewall, Land Dept.

American Petrofina Co. of Texas  
P. O. Box 2159  
Dallas 21, Texas  
Attention: Mr. Wilkin, Prod. Dept.

The Atlantic Refining Co. (3)  
Box 1978  
Roswell, New Mexico

Aztec Oil & Gas Company  
2000 - First National Bank Building  
Dallas, Texas 75202  
Attention: Mr. H. L. Snider, Jr.

Mary Roberts Berry  
208 E. Washington Street  
Washington, Iowa

Bloomfield Royalty Corporation  
1935 National Bank Building  
Dallas, Texas 75221

Brookhaven Oil Company  
P. O. Box 1267  
Scottsdale, Arizona

B. H. and Dyvena Crawford  
Bloomfield, New Mexico

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas  
Attention: Land Department

Olen F. Featherstone  
Roswell Petroleum Building  
Roswell, New Mexico

L. E. Hodges  
P. O. Box 469  
Roswell, New Mexico

Arthur B. Johnson  
1114 Laurel Drive  
Lafayette, California

Harold K. Johnson  
1118 Laurel Drive  
Lafayette, California

Marie C. Anderson  
372 Euclid Avenue  
Oakland, California

Agnes L. Fulcaas  
1903 Adams Court  
Mountain View, California

Elma R. Jones  
c/o R. H. Klinger  
P. O. Box 1741  
Stockton, California

Locke-Taylor Drilling Company  
801 Second Avenue  
Durango, Colorado

A. C. Pegg  
P. O. Box 8852  
Chicago, Illinois

E. I. Rydin  
P. O. Box 8852  
Chicago, Illinois

National Drilling Company, Inc.  
4810 North Kenneth Avenue  
Chicago 30, Illinois

Pubco Petroleum Corporation  
P. O. Box 1419  
Albuquerque, New Mexico

Skelly Oil Company  
P. O. Box 1650  
Tulsa 2, Oklahoma  
Attention: Mr. R. G. Hiltz

Skelly Oil Company  
P. O. Box 730  
Hobbs, New Mexico  
Attention: Mr. H. E. Aab

Southern Union Production Company  
Fidelity Union Tower Building  
1507 Pacific Avenue  
Dallas 1, Texas  
Attention: Mr. A. M. Wiederkehr

Sunray DX Oil Company  
1101 Wilco Building  
Midland, Texas  
Attention: Mr. D. N. Williams

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

Texas Pacific Oil Company  
P. O. Box 747  
Dallas 21, Texas

John H. Trigg  
P. O. Box 520  
Roswell, New Mexico

Rip C. Underwood  
Box 2588  
First National Bank Building  
Amarillo, Texas

Wood Oil Company  
Room 800 - Midstates Building  
Tulsa, Oklahoma

247

# PAN AMERICAN PETROLEUM CORPORATION

P. O. Box 480, Farmington, New Mexico  
March 16, 1965

File: H-640-416

Subject: 1965 Plan of Development  
Gallegos Canyon Unit  
San Juan County, New Mexico

Director (6)  
United States Geological Survey  
P. O. Drawer 1857  
Roswell, New Mexico

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

Oil Conservation Commission of (3)  
The State of New Mexico  
P. O. Box 2088  
Santa Fe, New Mexico

All Working Interest Owners  
Gallegos Canyon Unit  
(See Attached Addressee List)

Gentlemen:

The 1965 Plan of Development for the Gallegos Canyon Unit, San Juan County, New Mexico, has been approved by the regulatory bodies on the following dates:

Director United States Geological Survey	March 5, 1965
Commissioner of Public Lands State of New Mexico	March 1, 1965
New Mexico Oil Conservation Commission	March 8, 1965

This Plan of Development has an effective date of January 1, 1965.

Yours very truly,

PAN AMERICAN PETROLEUM CORPORATION



T. M. Curtis  
District Production Superintendent

CKD:ep  
Attach.

MAILING LIST OF WORKING INTEREST OWNERS  
GALLEGOS CANYON UNIT AREA  
SAN JUAN COUNTY, NEW MEXICO

American Petrofina Co. of Texas  
P. O. Box 2159  
Dallas 21, Texas  
Attention: Mr. Deewall, Land Dept.

American Petrofina Co. of Texas  
P. O. Box 2159  
Dallas 21, Texas  
Attention: Mr. Wilkin, Prod. Dept.

The Atlantic Refining Co. (3)  
Suite 1500, Security Life Building  
1616 Glenarm  
Denver, Colorado

Aztec Oil & Gas Company  
920 Mercantile Securities Building  
Dallas 1, Texas  
Attention: Mr. H. L. Snider, Jr.

Mary Roberts Berry  
208 E. Washington Street  
Washington, Iowa

Bloomfield Royalty Corporation  
1126 Mercantile Securities Bldg.  
Dallas 1, Texas

Tom Bolack  
1010 North Dustin  
Farmington, New Mexico

Brookhaven Oil Company  
P. O. Box 1267  
Scottsdale, Arizona

B. H. and Dyvena Crawford  
Bloomfield,  
New Mexico

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas  
Attention: Land Department

Olen F. Featherstone  
Roswell Petroleum Building  
Roswell, New Mexico

L. B. Hodges  
P. O. Box 489  
Roswell, New Mexico

Arthur B. Johnson  
1114 Laurel Drive  
Lafayette, California

Harold K. Johnson  
1118 Laurel Drive  
Lafayette, California

Marie C. Anderson  
372 Euclid Avenue  
Oakland, California

Agnes L. Fulsaa  
1903 Adams Court  
Mountain View, California

Elma R. Jones  
c/o R. H. Klinger  
P. O. Box 1741  
Stockton, California

Locke-Taylor Drilling Company  
801 Second Avenue  
Durango, Colorado

A. C. Pegg  
P. O. Box 8852  
Chicago, Illinois

E. I. Rydin  
P. O. Box 8852  
Chicago, Illinois

National Drilling Company, Inc.  
4810 North Kenneth Avenue  
Chicago 30, Illinois

Pubco Petroleum Corporation  
P. O. Box 1419  
Albuquerque, New Mexico

H. K. Riddle  
1409 Mesilla N. E.  
Albuquerque, New Mexico

Skelly Oil Company  
P. O. Box 1650  
Tulsa 2, Oklahoma  
Attention: Mr. R. G. Hiltz

Skelly Oil Company  
P. O. Box 730  
Hobbs, New Mexico  
Attention: Mr. H. E. Aab

Southern Union Production Company  
Fidelity Union Tower Building  
1507 Pacific Avenue  
Dallas 1, Texas  
Attention: Mr. A. M. Wiederkehr

Sunray DX Oil Company  
8th Floor,  
First National Bank Building  
Oklahoma City, Oklahoma  
Attention: Mr. A. W. Wadman, Jr.

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

Texas Pacific Oil Company  
P. O. Box 747  
Dallas 21, Texas

John H. Trigg  
P. O. Box 520  
Roswell, New Mexico

Rip C. Underwood  
Box 2588  
First National Bank Building  
Amarillo, Texas

Wood Oil Company  
Room 800 - Midstates Building  
Tulsa, Oklahoma

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

2-7

March 8, 1965

Pan American Petroleum Corporation  
P. O. Box 480  
Farmington, New Mexico

Attention: Mr. T. M. Curtis

Re: 1965 Plan of Development  
Gallegos Canyon Unit, San  
Juan County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil  
Conservation Commission has this date approved the 1965  
Plan of Development for the Gallegos Canyon Unit, San Juan  
County, New Mexico, subject to like approval by the United  
States Geological Survey and the Commissioner of Public  
Lands of the State of New Mexico.

Two approved copies of the plan are returned  
herewith.

Very truly yours,

A. L. PORTER, Jr.,  
Secretary-Director

ALP/JEK/og

cc: Commissioner of Public Lands  
Santa Fe, New Mexico

U. S. Geological Survey - Roswell

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Y

Drawer 1857  
Roswell, New Mexico 88201

March 5, 1956

Pan American Petroleum Corporation  
P. O. Box 480  
Farmington, New Mexico

Attention: Mr. T. M. Curtis

Gentlemen:

Your 1965 plan of development dated December 22, 1964, for the Callegos Canyon unit area, San Juan County, New Mexico, proposing the drilling of 20 Dakota wells, has been approved on this date subject to like approval by the appropriate State officials.

Three approved copies of your plan are enclosed.

Sincerely yours,

(SIGNED) BILLY J. SHOGER

BILLY J. SHOGER  
Acting Oil & Gas Supervisor

cc:

Washington (w/cy of plan)  
Farmington (w/cy of plan)  
NMOCC - Santa Fe (ltr. only) ✓  
Com. of Pub. Lands (ltr. only)

**February 26, 1965**

**Pan American Petroleum Corporation  
P. O. Box 480  
Farmington, New Mexico**

**Attention: Mr. T. M. Curtis  
District Superintendent**

**Re: Gallegos Canyon Unit  
San Juan County, New Mexico  
1965 Plan of Development**

**Gentlemen:**

**The Commissioner of Public Lands approves as of February 26, 1965, your 1965 Plan of Development for the Gallegos Canyon Unit, San Juan County, New Mexico, subject to like approval by the United States Geological Survey.**

**The Plan proposes the drilling of twenty Basin Dakota wells during 1965. We are returning one approved copy of the Plan.**

**Very truly yours,**

**GUYTON B. HAYS  
COMMISSIONER OF PUBLIC LANDS**

**BY:  
(Mr.) Ted Bilberry, Director  
Oil and Gas Department**

**GBH/mmr/d  
Enclosure**

**cc: United States Geological Survey  
Oil Conservation Commission**

# PAN AMERICAN PETROLEUM CORPORATION

P. O. Box 480, Farmington, New Mexico  
December 22, 1964

File: N-828-416

Subject: 1965 Plan of Development  
Gallegos Canyon Unit  
San Juan County, New Mexico

Director (6)  
United States Geological Survey  
P. O. Drawer 1857  
Roswell, New Mexico

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

Oil Conservation Commission of (3)  
The State of New Mexico  
P. O. Box 2088  
Santa Fe, New Mexico

All Working Interest Owners  
Gallegos Canyon Unit  
(See Attached Addressee List)

Gentlemen:

In compliance with Section 9 of the Gallegos Canyon Unit Agreement dated November 1, 1950, designated I-Sec. No. 844, Pan American Petroleum Corporation, as Unit Operator, respectfully submits for your approval a Plan of Development for the calendar year of 1965. The proposed plan has been approved by the Working Interest Owners as provided by the Unit Operating Agreement.

History of Past Development - There has been a total of 177 wells drilled in the Gallegos Canyon Unit. Of these, 61 are Pictured Cliffs producers, 4 are Gallup-Dakota duals, 63 are single Dakotas, 25 are Gallup oil, 1 is a Gallup gas, 1 is a Fruitland completion, 18 wells are dry holes and abandoned, and 4 are water injectors.

Participating areas have been formed for the Pictured Cliffs, the Dakota zone, and three separate Gallup pools inside the Unit. A non-commercial classification for the Fruitland completion was approved. Two water injection projects are in operation on acreage comprising Gallup Area "B" and Gallup Area "C".

The attached tabulation furnishes a statistical review of operations in the Gallegos Canyon Unit.

Proposed Additional Wells - It is planned to drill twenty Basin Dakota wells during 1965 at locations to be selected at a later date. Although the locations are not specified, it is anticipated these wells will be drilled in areas of offset development to prevent drainage.

Well Casing Program - The well casing program will generally follow current programs used in similar wells in the San Juan Basin. Included will be surface casing and other casing as required by the United States Geological Survey and the State of New Mexico.

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Page 2

U. S. Geological Survey  
Commissioner of Public Lands  
Oil Conservation Commission  
All Working Interest Owners

December 22, 1964

File: N-828-416  
Subject: 1965 Plan of Development  
Gallegos Canyon Unit  
San Juan County, New Mexico

Offset Obligation - Appropriate measures will be taken to prevent drainage of unitized substances from lands subject to the Gallegos Canyon Unit Agreement, or, pursuant to applicable regulations, fair and reasonable compensatory royalty will be paid as provided in Section 15 of the Unit Agreement.

Further Development - This Plan of Development shall constitute the drilling obligation of the Unit Operator under terms of the Gallegos Canyon Unit Agreement for the period ending December 31, 1965.

Modifications - It is understood that this plan is dependent upon certain information to be obtained prior to and subsequent to drilling, therefore, it may be modified from time to time to meet changing conditions.

Effective Date - This Plan of Development shall be effective January 1, 1965.

Yours very truly,

PAN AMERICAN PETROLEUM CORPORATION

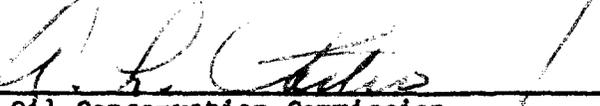


T. M. Curtis  
District Superintendent

CKD:en  
Attach.

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Director, United States Geological Survey  
(Subject to like approval by appropriate  
State Officials)

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Commissioner of Public Lands  
(Subject to like approval by U.S.G.S.  
and Oil Conservation Commission)

APPROVED:  \_\_\_\_\_ DATE: 1-1-65  
Oil Conservation Commission  
(Subject to like approval by U.S.G.S.  
and Commissioner of Public Lands)

STATISTICAL REVIEW OF OPERATIONS  
GALLEGOS CANYON UNIT  
DECEMBER 1, 1964

Total wells drilled in Unit area	177
Total Unit acreage	43,146.82 acres

Pictured Cliffs Statistics

Pictured Cliffs Participating Area	27,456.46 acres
Total Wells Drilled	79
Dry Holes	18
Producing Wells	61
Current Production:	
October 1964	70,222 MCF
November 1964	116,301 MCF
Cumulative Production to 12-1-64	31,464,845 MCF

Dakota Statistics

Dakota Participating Area	43,146.62 acres
Total Wells Drilled	67 (Includes 4 duals)
Producing Wells	45
Current Production:	
October 1964	599,336 MCF
November 1964	823,801 MCF
Cumulative Production to 12-1-64	7,767,777 MCF

Gallup Statistics

Gallup Participating Area "A"	880 acres
Gallup Participating Area "B"	715.40 acres
Gallup Participating Area "C"	2,148.75 acres
Producing Wells (Includes 13 Non-Commercial)	34 (Includes 4 duals, 4 water injection & 1 Gallup gas)
Current Production:	
October 1964	13,195 Bbls.
November 1964	12,241 Bbls.
Cumulative Production to 12-1-64	1,305,462 Bbls.

Fruitland Statistics

Total Wells Drilled	1 (Non-Commercial)
Current Production:	
October 1964	2,601 MCF
November 1964	2,208 MCF
Cumulative Production to 12-1-64	116,288 MCF

# PAN AMERICAN PETROLEUM CORPORATION

P. O. Box 480, Farmington, New Mexico  
May 6, 1964

File: N-313-993

Subject: Approval of 1964  
Plan of Development for  
Gallegos Canyon Unit  
San Juan County, New Mexico

Director (6)  
United States Geological Survey  
c/o Oil and Gas Supervisor  
P. O. Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands (3)  
The State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission of (3) ✓  
The State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

All Working Interest Owners  
Gallegos Canyon Unit  
(See Attached Addressee List)

Gentlemen:

The 1964 Plan of Development for the Gallegos Canyon Unit has been approved by the Director, Commissioner, and the Commission on the following dates:

Director United States Geological Survey	April 30, 1964
Commissioner of Public Lands State of New Mexico	March 19, 1964
New Mexico Oil Conservation Commission	April 8, 1964

The effective date for this Plan will be January 1, 1964 through December 31, 1964

Yours very truly,

PAN AMERICAN PETROLEUM CORPORATION

  
T. M. Curtis  
District Superintendent

CKD:en  
Attach.

Drawer 1857  
Roswell, New Mexico 88201

April 30, 1964

Pan American Petroleum Corporation  
P. O. Box 480  
Farmington, New Mexico

Attention: Mr. T. M. Curtis

Gentlemen:

Your 1964 plan of development dated December 18, 1963, for the Gallegos Canyon unit area, San Juan County, New Mexico, proposing the drilling of ten Dakota wells, has been approved on this date subject to like approval by the appropriate State officials.

Three approved copies of the plan are enclosed.

Sincerely yours,

~~(ORNL 300)~~ BILLY J. SHOGER

BILLY J. SHOGER  
Acting Oil & Gas Supervisor

cc:  
Washington (w/cy of plan)  
Farmington (w/cy of plan)  
NMOCC - Santa Fe (ltr. only) ✓  
Com. of Pub. Lands - Santa Fe (ltr. only)

OIL CONSERVATION COMMISSION  
P. O. BOX 871  
SANTA FE, NEW MEXICO

247

April 8, 1964

**Pan American Petroleum Corporation  
P. O. Box 480  
Farmington, New Mexico**

**Attention: Mr. T. M. Curtis**

**Re: 1964 Plan of Development  
Gallegos Canyon Unit,  
San Juan County, New Mexico**

**Gentlemen:**

**This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1964 Plan of Development for the Gallegos Canyon Unit, San Juan County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.**

**Two approved copies of the plan are returned herewith.**

**Very truly yours,**

**A. L. PORTER, Jr.,  
Secretary-Director**

**ALP/JEK/04**

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

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P  
Y

MAIN OFFICE OCC

1964 MAR 20 AM 10:52

March 20, 1964

Pan American Petroleum Corporation  
P. O. Box 480  
Farmington, New Mexico

Re: Gallegos Canyon Unit  
San Juan County, New Mexico  
1964 Plan of Development

Attention: Mr. T. M. Curtis

Gentlemen:

The Commissioner of Public Lands has approved as of March 19, 1964, the 1964 Plan of Development for Gallegos Canyon Unit, San Juan County, New Mexico, subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

We are returning one approved copy of this Plan.

Very truly yours,

E. S. JOHNNY WALKER  
COMMISSIONER OF PUBLIC LANDS

BY:  
(Mrs.) Marian M. Rhea, Supervisor  
Unit Division

ESW/mmr/v

cc: Oil Conservation Commission  
Santa Fe, New Mexico

United States Geological Survey  
Roswell, New Mexico

# PAN AMERICAN PETROLEUM CORPORATION

P. O. Box 480, Farmington, New Mexico  
December 18, 1963

File: N-893-416

Subject: 1964 Plan of Development  
Gallegos Canyon Unit  
San Juan County, New Mexico

Director (6)  
United States Geological Survey  
P. O. Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands (3)  
The State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Oil Conservation Commission of (3)  
The State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

All Working Interest Owners  
(See Attached Addressee List)

Gentlemen:

In compliance with Section 9 of the Gallegos Canyon Unit Agreement dated November 1, 1950, designated I-Sec. No. 844, Pan American Petroleum Corporation, as Unit Operator, respectfully submits for your approval a Plan of Development for the calendar year of 1964. The proposed plan has been approved by the Working Interest Owners as provided by the Unit Operating Agreement.

History of Past Development - There has been a total of 140 wells drilled in the Gallegos Canyon Unit. Of these, 61 are Pictured Cliffs producers, 4 are Gallup-Dakota duals, 26 are single Dakotas, 34 are Gallup producers, 1 is a Fruitland completion and 18 wells are dry holes and abandoned.

Participating areas have been formed for the Pictured Cliffs, the Dakota zone, and three separate Gallup pools inside the Unit. A non-commercial classification for the Fruitland completion was approved.

The attached tabulation furnishes a statistical review of operations in the Gallegos Canyon Unit.

Proposed Additional Wells - It is planned to drill ten Basin Dakota wells during 1964 at locations to be selected at a later date. Although the locations are not specified, it is anticipated these wells will be drilled in areas of offset development to prevent drainage.

Well Casing Program - The well casing program will generally follow current programs used in similar wells in the San Juan Basin. Included will be surface casing and other casing as required by the United States Geological Survey and the State of New Mexico.

Page 2

December 18, 1963

U. S. Geological Survey  
Commissioner of Public Lands  
Oil Conservation Commission  
All Working Interest Owners

File: N-893-416  
Subject: 1964 Plan of Development  
Gallegos Canyon Unit  
San Juan County, New Mexico

Offset Obligation - Appropriate measures will be taken to prevent drainage of unitized substances from lands subject to the Gallegos Canyon Unit Agreement, or, pursuant to applicable regulations, fair and reasonable compensatory royalty will be paid as provided in Section 15 of the Unit Agreement.

Further Development - This Plan of Development shall constitute the drilling obligation of the Unit Operator under terms of the Gallegos Canyon Unit Agreement for the period ending December 31, 1964.

Modifications - It is understood that this plan is dependent upon certain information to be obtained prior to and subsequent to drilling, therefore, it may be modified from time to time to meet changing conditions.

Effective Date - This Plan of Development shall be effective January 1, 1964.

Yours very truly,

PAN AMERICAN PETROLEUM CORPORATION

  
T. M. Curtis  
District Superintendent

CKD:en  
Attach.

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Director, United States Geological Survey  
(Subject to like approval by appropriate  
State Officials)

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Commissioner of Public Lands  
(Subject to like approval by U.S.G.S.  
and Oil Conservation Commission)

APPROVED:  \_\_\_\_\_ DATE: 4-8-64  
Oil Conservation Commission  
(Subject to like approval by U.S.G.S.  
and Commissioner of Public Lands)

STATISTICAL REVIEW OF OPERATIONS  
GALLEGOS CANYON UNIT  
DECEMBER 1, 1963

Total wells drilled in Unit area	140
Total Unit acreage	43,146.82 acres

Pictured Cliffs Statistics

Pictured Cliffs Participating Area	27,456.46 acres
Total Wells Drilled	79
Dry Holes	18
Producing Wells as of 12-1-63	61
Current Production:	
October 1963	67,482 MCF
November 1963	114,985 MCF
Cumulative Production to 12-1-63	30,171,069 MCF

Dakota Statistics

Dakota Participating Area	43,146.62 acres
Total Wells Drilled	30 (Includes 4 duals)
Producing Wells	11
Current Production:	
October 1963	81,022 MCF
November 1963	84,002 MCF
Cumulative Production to 12-1-63	3,147,990 MCF

Gallup Statistics

Gallup Participating Area "A"	880 acres
Gallup Participating Area "B"	715.40 acres
Gallup Participating Area "C"	1,868.75 acres
Producing Wells (Includes 13 Non-Commercial)	34 (includes 4 duals)
Current Production:	
October 1963	26,196 Bbls.
November 1963	24,941 Bbls.
Cumulative Production to 12-1-63	1,072,585 Bbls.

Fruitland Statistics

Total Wells Drilled	1 (Non-Commercial)
Current Production:	
October 1963	57 MCF
November 1963	1,605 MCF
Cumulative Production to 12-1-63	95,633 MCF

247

# PAN AMERICAN PETROLEUM CORPORATION

1964 APR 23 AM 8:21  
 P. O. Box 480, Farmington, New Mexico  
 April 24, 1964

File: N-280-993

Subject: Approval of Fourth Enlargement  
 Gallup Participating Area "C"  
 Gallegos Canyon Unit  
 San Juan County, New Mexico

Director (6)  
 United States Geological Survey  
 c/o Oil and Gas Supervisor  
 P. O. Drawer 1857  
 Roswell, New Mexico

Commissioner of Public Lands (3)  
 The State of New Mexico  
 Capitol Annex Building  
 Santa Fe, New Mexico

Oil Conservation Commission of (3) ✓  
 The State of New Mexico  
 Capitol Annex Building  
 Santa Fe, New Mexico

All Working Interest Owners  
 Gallegos Canyon Unit  
 (See Attached Addressee List)

Gentlemen:

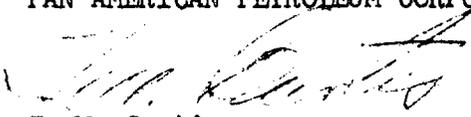
The application for approval of a Fourth Enlargement to the Gallup Participating Area "C" in the Gallegos Canyon Unit has been approved by the Director, Commissioner, and the Commission on the following dates:

Director United States Geological Survey	April 15, 1964
Commissioner of Public Lands State of New Mexico	February 4, 1964
New Mexico Oil Conservation Commission	February 6, 1964

The effective date for this Fourth Enlargement of the Gallup Participating Area "C" will be August 1, 1963.

Yours very truly,

PAN AMERICAN PETROLEUM CORPORATION

  
 T. M. Curtis  
 District Superintendent

CKD:en  
 Attach.

1-29-64

MAILING LIST OF WORKING INTEREST OWNERS  
GALLEGOS CANYON UNIT AREA  
SAN JUAN COUNTY, NEW MEXICO

American Petrofina Co. of Texas  
P. O. Box 2159  
Dallas 21, Texas  
Attention: Mr. Deewall, Land Dept.

American Petrofina Co. of Texas  
P. O. Box 2159  
Dallas 21, Texas  
Attention: Mr. Wilkin, Prod. Dept.

The Atlantic Refining Co. (3)  
Suite 1500, Security Life Building  
1616 Glenarm  
Denver, Colorado

Aztec Oil and Gas Company  
920 Mercantile Securities Building  
Dallas 1, Texas  
Attention: Mr. H. L. Snider, Jr.

Mary Roberts Berry  
208 E. Washington Street  
Washington, Iowa

Tom Bolack  
1010 North Dustin  
Farmington, New Mexico

Bloomfield Royalty Corporation  
1126 Mercantile Securities Bldg.  
Dallas 1, Texas

Brookhaven Oil Company  
P. O. Box 1267  
Scottsdale, Arizona

B. H. and Dyvena Crawford  
Bloomfield,  
New Mexico

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas  
Attention: Land Department

Olen F. Featherstone  
Roswell Petroleum Building  
Roswell, New Mexico

Ernest A. Hanson  
P. O. Box 1515  
Roswell, New Mexico

L. B. Hodges  
P. O. Box 489  
Roswell, New Mexico

Arthur B. Johnson  
1114 Laurel Drive  
Lafayette, California

Harold K. Johnson  
1118 Laurel Drive  
Lafayette, California

Marie C. Anderson  
372 Euclid Avenue  
Oakland, California

Agnes L. Fulsaaas  
1903 Adams Court  
Mountain View, California

Elma R. Jones  
764 Twentieth Avenue  
San Francisco, California

Locke-Taylor Drilling Company  
801 Second Avenue  
Durango, Colorado

National Drilling Company, Inc.  
4810 North Kenneth Avenue  
Chicago 30, Illinois

Pubco Petroleum Corporation  
P. O. Box 1419  
Albuquerque, New Mexico

H. K. Riddle  
1409 Mesilla N. E.  
Albuquerque, New Mexico

Skelly Oil Company  
P. O. Box 1650  
Tulsa 2, Oklahoma  
Attention: Mr. R. G. Hiltz

Skelly Oil Company  
P. O. Box 730  
Hobbs, New Mexico  
Attention: Mr. H. E. Aab

Southern Union Production Company  
Fidelity Union Tower Building  
1507 Pacific Avenue  
Dallas 1, Texas  
Attention: Mr. A. M. Wiederkehr

Sunray DX Oil Company  
101 University Boulevard  
Denver 6, Colorado  
Attention: Mr. A. W. Wadman, Jr.

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

Texas Pacific Oil Company  
A Division of Joseph E.  
Seagram & Sons, Inc.  
P. O. Box 747  
Dallas 21, Texas

John H. Trigg  
P. O. Box 520  
Roswell, New Mexico

Rip C. Underwood  
Box 2588  
First National Bank Building  
Amarillo, Texas

Wood Oil Company  
Room 800 - Midstates Building  
Tulsa, Oklahoma



IN REPLY REFER TO:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

1964 APR 21 5 AM 8 23 Drawer 1857  
Roswell, New Mexico 88201

April 21, 1964

Pen American Petroleum Corporation  
P. O. Box 480  
Farmington, New Mexico

Attention: Mr. T. M. Curtis

Gentlemen:

The fourth revision of the Gallup "C" participating area, Colleges Canyon unit agreement, I-Sec. No.-844, San Juan County, New Mexico, was approved April 15, 1964, by the Acting Director, U. S. Geological Survey, effective August 1, 1963.

Five approved copies of the application are enclosed. It is assumed that you will furnish the State of New Mexico and other interested parties with appropriate evidence of this approval.

Sincerely yours,

(ORIG. SGD.) JOHN A. ANDERSON

JOHN A. ANDERSON  
Regional Oil and Gas Supervisor

cc:

Washington (ltr. only)  
Farmington (w/cy appd. appln.)  
BIM, Santa Fe (w/cy appd. appln.)  
NPOCC, Santa Fe (ltr. only) ✓  
Comm. Pub. Lands, Santa Fe (ltr. only)  
Accounts

**OIL CONSERVATION COMMISSION**

P. O. BOX 871

SANTA FE, NEW MEXICO

247

**February 6, 1964**

**Pan American Petroleum Corporation  
P. O. Box 480  
Farmington, New Mexico**

**Attention: Mr. T. M. Curtis**

**Re: Fourth Enlargement Gallup  
Participating Area "C"  
Gallegos Canyon Unit, San  
Juan County, New Mexico**

**Gentlemen:**

**This is to advise that the New Mexico Oil Conservation Commission has this date approved the Fourth Enlargement to the Gallup Participating Area "C" for the Gallegos Canyon Unit, San Juan County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.**

**Nine approved copies of the application are being forwarded to the United States Geological Survey, Roswell, New Mexico.**

**Very truly yours,**

**A. L. PORTER, Jr.,  
Secretary-Director**

**ALP/JEK/og**

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

C  
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February 4, 1964

Pan American Petroleum Corporation  
P. O. Box 480  
Farmington, New Mexico

Re: Gallegos Canyon Unit  
San Juan County, New Mexico  
Proposed Fourth Enlargement  
to Gallup Participating Area  
"C"

Attention: Mr. T. M. Curtis

Gentlemen:

The Commissioner of Public Lands has approved as this date the Fourth Enlargement to the Gallup Participating Area "C" for the Gallegos Canyon Unit, San Juan County, New Mexico.

We are handing ten approved copies to the Oil Conservation Commission requesting them to forward nine copies to the United States Geological Survey for their consideration.

Very truly yours,

E. S. JOHNNY WALKER  
COMMISSIONER OF PUBLIC LANDS

BY:  
(Mrs.) Marian M. Rhea, Supervisor  
Unit Division

ESW/mar/v

cc: Oil Conservation Commission  
Santa Fe, New Mexico

United States Geological Survey  
Roswell, New Mexico

# PAN AMERICAN PETROLEUM CORPORATION

P. O. Box 480, Farmington, New Mexico  
January 16, 1964

File: N-32-416

Subject: Proposed Fourth Enlargement to  
Gallup Participating Area "C"  
Gallegos Canyon Unit  
San Juan County, New Mexico

Director (6)  
United States Geological Survey  
P. O. Drawer 1857  
Roswell, New Mexico

Oil Conservation Commission (3)  
State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Commissioner of Public Lands (3)  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

All Working Interest Owners  
Gallegos Canyon Unit  
(See Attached Addressee List)

Gentlemen:

Pursuant to the provisions of Section 10 of the Unit Agreement for the Gallegos Canyon Unit, Pan American, as Unit Operator, has determined, subject to the approval of the Director, Commissioner, and Commission, that Gallegos Canyon Unit Well No. 132 is capable of producing unitized substances in paying quantities from the Gallup formation and that a Fourth Enlargement to Gallup Participating Area "C" in the Gallegos Canyon Unit should be made.

The proposed Fourth Enlargement to Gallup Participating Area "C" consists of 280 acres and is described as follows:

W/2 NW/4 and NW/4 SW/4 of Section 29, and E/2 NE/4, N/2 SE/4  
of Section 30, T-28-N, R-12-W

Total acreage in the Gallup Participating Area "C" after the Fourth Enlargement is 2148.75 acres, as shown on the attached ownership schedule, Exhibit "B", which describes and shows the ownership of acreage in the Gallup Participating Area "C" after the Fourth Enlargement.

It is proposed that the effective date for the Fourth Enlargement of Gallup Participating Area "C" be August 1, 1963, the first of the month following the completion date of Gallegos Canyon Unit Well No. 132, the well on which the enlargement is predicated.

The attached map, Exhibit "A", shows the proposed Fourth Enlargement to Gallup Participating Area "C". Also attached is an Engineering and Geological Report, including an isopach map of the Gallup formation, (1) to support the Fourth Enlargement to Gallup Participating Area "C" and (2) reasonably

Director, U.S.G.S.  
Commissioner of Public Lands  
Oil Conservation Commission  
Working Interest Owners in  
Gallegos Canyon Unit

Date: January 16, 1964  
File: N-32-416  
Subject: Proposed Fourth Enlargement  
Gallup Participating Area "C"  
Gallegos Canyon Unit  
San Juan Co., New Mexico

prove the acreage in the enlargement is productive of unitized substances in paying quantities from the Gallup formation.

Your approval of the proposed Fourth Enlargement of Gallup Participating Area "C" in the Gallegos Canyon Unit is respectfully requested.

Yours very truly,

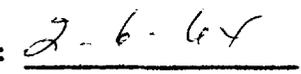
PAN AMERICAN PETROLEUM CORPORATION

  
T. M. Curtis  
District Superintendent

JRK:en  
Attachments

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Director, United States Geological Survey  
(Subject to like approval by appropriate  
State officials)

APPROVED:  DATE:   
Commissioner of Public Lands  
(Subject to like approval of U.S.G.S.  
and Oil Conservation Commission)

APPROVED:  DATE:   
Oil Conservation Commission  
(Subject to like approval of U.S.G.S.  
and Commissioner of Public Lands)

247  
MAIN OFFICE OCC

1964 MAR 20 AM 10:52

March 20, 1964

Sunray DX Oil Company  
101 University Boulevard  
Denver 6, Colorado

Re: Gallegos Canyon Unit  
San Juan County, New Mexico  
Wells drilled by Sunray DX  
Oil Company

Attention: Mr. A. W. Wadman

Gentlemen:

Pursuant to Pan American's letter to you dated March 6, 1964, in regard to certain wells drilled by you as agent for Pan American. This office was not furnished well reports for Gallegos Canyon Unit Wells 131, 136, 141 and 149 by Sunray DX Oil Company.

We feel that you have had sufficient time to furnish these reports since receipt of Pan American's letter, therefore, we are requesting that copies of all well reports on these wells, as furnished to the New Mexico Oil Conservation Commission be sent to this office immediately.

**Sunray BK Oil Company**  
**Attention: Mr. A. W. Nadman**  
**March 20, 1964**  
**- page 2 -**

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S2 101 NA 01 SAM 1981

**Very truly yours,**

**E. S. JOHNNY WALKER**  
**COMMISSIONER OF PUBLIC LANDS**

**BY:**  
**(Mrs.) Marian M. Shea, Supervisor**  
**Unit Division**

ESW/umr/v

cc:

**Pan American Petroleum Corporation**  
**P. O. Box 480**  
**Farmington, New Mexico**  
**Attention: Mr. T. M. Curtis**

**United States Geological Survey**  
**P. O. Drawer 1857**  
**Roswell, New Mexico**  
**Attention: Mr. John A. Anderson**

**Oil Conservation Commission**  
**Santa Fe, New Mexico**

# PAN AMERICAN PETROLEUM CORPORATION

MAIN OFFICE OCC

P. O. Box 480, Farmington, New Mexico  
 March 12, 1964

1964 MAR 15 AM 8:00

247

File: N-148-416

Subject: Non-Commercial Classification  
 Gallegos Canyon Unit Wells  
 Gallup Formation  
 San Juan County, New Mexico

Supervisor (6)  
 United States Geological Survey  
 P. O. Box 1857  
 Roswell, New Mexico

Commissioner of Public Lands (3)  
 The State of New Mexico  
 P. O. Box 791  
 Santa Fe, New Mexico

Oil Conservation Commission of (3)  
 The State of New Mexico  
 P. O. Box 2088  
 Santa Fe, New Mexico

All Working Interest Owners  
 Gallegos Canyon Unit  
 (See Attached Addressee List)

Gentlemen:

Non-commercial classifications have been approved by the Supervisor, United States Geological Survey on March 3, 1964, for the following Gallup wells drilled in the unit area:

<u>Well No.</u>	<u>Location - T28N-R12W</u>
130	NW/4 NE/4 Section 18
131	NW/4 NW/4 Section 17
136	SE/4 NE/4 Section 18
141	SW/4 NW/4 Section 22
149	SE/4 NW/4 Section 17

All of the above wells were drilled by Sunray DX Oil Company acting as a sub-agent. The production from these wells will be allocated to the tracts upon which they are located.

Yours very truly,

PAN AMERICAN PETROLEUM CORPORATION

  
 T. M. Curtis  
 District Superintendent

CKD:en  
 Attach.

1-29-64

MAILING LIST OF WORKING INTEREST OWNERS  
GALLEGOS CANYON UNIT AREA  
SAN JUAN COUNTY, NEW MEXICO

American Petrofina Co. of Texas  
P. O. Box 2159  
Dallas 21, Texas  
Attention: Mr. Deewall, Land Dept.

American Petrofina Co. of Texas  
P. O. Box 2159  
Dallas 21, Texas  
Attention: Mr. Wilkin, Prod. Dept.

The Atlantic Refining Co. (3)  
Suite 1500, Security Life Building  
1616 Glenarm  
Denver, Colorado

Aztec Oil and Gas Company  
920 Mercantile Securities Building  
Dallas 1, Texas  
Attention: Mr. H. L. Snider, Jr.

Mary Roberts Berry  
208 E. Washington Street  
Washington, Iowa

Tom Bolack  
1010 North Dustin  
Farmington, New Mexico

Bloomfield Royalty Corporation  
1126 Mercantile Securities Bldg.  
Dallas 1, Texas

Brookhaven Oil Company  
P. O. Box 1267  
Scottsdale, Arizona

B. H. and Dyvena Crawford  
Bloomfield,  
New Mexico

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas  
Attention: Land Department

Olen F. Featherstone  
Roswell Petroleum Building  
Roswell, New Mexico

Ernest A. Hanson  
P. O. Box 1515  
Roswell, New Mexico

L. B. Hodges  
P. O. Box 489  
Roswell, New Mexico

Arthur B. Johnson  
1114 Laurel Drive  
Lafayette, California

Harold K. Johnson  
1118 Laurel Drive  
Lafayette, California

Marie C. Anderson  
372 Euclid Avenue  
Oakland, California

Agnes L. Fulsaaas  
1903 Adams Court  
Mountain View, California

Elma R. Jones  
764 Twentieth Avenue  
San Francisco, California

Locke-Taylor Drilling Company  
801 Second Avenue  
Durango, Colorado

National Drilling Company, Inc.  
4810 North Kenneth Avenue  
Chicago 30, Illinois

Pubco Petroleum Corporation  
P. O. Box 1419  
Albuquerque, New Mexico

H. K. Riddle  
1409 Mesilla N. E.  
Albuquerque, New Mexico

Skelly Oil Company  
P. O. Box 1650  
Tulsa 2, Oklahoma  
Attention: Mr. R. G. Hiltz

Skelly Oil Company  
P. O. Box 730  
Hobbs, New Mexico  
Attention: Mr. H. E. Aab

Southern Union Production Company  
Fidelity Union Tower Building  
1507 Pacific Avenue  
Dallas 1, Texas  
Attention: Mr. A. M. Wiederkehr

Sunray DX Oil Company  
101 University Boulevard  
Denver 6, Colorado  
Attention: Mr. A. W. Wadman, Jr.

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

Texas Pacific Oil Company  
A Division of Joseph E,  
Seagram & Sons, Inc.  
P. O. Box 747  
Dallas 21, Texas

John H. Trigg  
P. O. Box 520  
Roswell, New Mexico

Rip C. Underwood  
Box 2588  
First National Bank Building  
Amarillo, Texas

Wood Oil Company  
Room 800 - Midstates Building  
Tulsa, Oklahoma

# PAN AMERICAN PETROLEUM CORPORATION

P. O. Box 480, Farmington, New Mexico  
January 17, 1964

File: N-37-416

Subject: Proposed Fourth Enlargement to  
Gallup Participating Area "C"  
Gallegos Canyon Unit  
San Juan County, New Mexico

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

Attention: Mrs. Marian Rhea

Gentlemen:

Attached herewith is Pan American Petroleum Corporation's proposed Fourth Enlargement to Gallup Participating Area "C" in the Gallegos Canyon Unit. If this proposal meets with your approval, please execute all copies and send them to the Oil Conservation Commission of the State of New Mexico.

By copy of this letter to the Oil Conservation Commission, we request that upon their approval they in turn execute all copies and send them to the Oil and Gas Supervisor, United States Geological Survey.

By copy of this letter to the United States Geological Survey, we request that upon approval, they return to Pan American Petroleum Corporation, Box 480, Farmington, New Mexico, four fully executed copies. We will then transmit one fully signed copy of the enlargement to the Commissioner of Public Lands and to the Oil Conservation Commission.

In this manner, the files for each Agency will be complete.

Yours very truly,

PAN AMERICAN PETROLEUM CORPORATION



T. M. Curtis  
District Superintendent

JK:en

cc: Oil Conservation Commission  
State of New Mexico  
Santa Fe, New Mexico

The Oil and Gas Supervisor  
United States Geological Survey  
Roswell, New Mexico

# PAN AMERICAN PETROLEUM CORPORATION

P. O. Box 480, Farmington, New Mexico  
January 16, 1964

RECEIVED  
FEB 10 1964  
U. S. GEOLOGICAL SURVEY  
ROSWELL, NEW MEXICO

Subject: Proposed Fourth Enlargement to  
Gallup Participating Area "C"  
Gallegos Canyon Unit  
San Juan County, New Mexico

Director (6)  
United States Geological Survey  
P. O. Drawer 1857  
Roswell, New Mexico

Oil Conservation Commission (3)  
State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Commissioner of Public Lands (3)  
State of New Mexico  
P. O. Box 791  
Santa Fe, New Mexico

All Working Interest Owners  
Gallegos Canyon Unit  
(See Attached Addressee List)

Gentlemen:

Pursuant to the provisions of Section 10 of the Unit Agreement for the Gallegos Canyon Unit, Pan American, as Unit Operator, has determined, subject to the approval of the Director, Commissioner, and Commission, that Gallegos Canyon Unit Well No. 132 is capable of producing unitized substances in paying quantities from the Gallup formation and that a Fourth Enlargement to Gallup Participating Area "C" in the Gallegos Canyon Unit should be made.

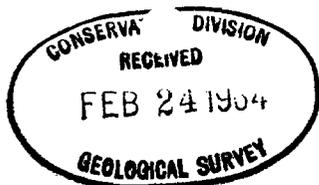
The proposed Fourth Enlargement to Gallup Participating Area "C" consists of 280 acres and is described as follows:

W/2 NW/4 and NW/4 SW/4 of Section 29, and E/2 NE/4, N/2 SE/4  
of Section 30, T-28-N, R-12-W

Total acreage in the Gallup Participating Area "C" after the Fourth Enlargement is 2148.75 acres, as shown on the attached ownership schedule, Exhibit "B", which describes and shows the ownership of acreage in the Gallup Participating Area "C" after the Fourth Enlargement.

It is proposed that the effective date for the Fourth Enlargement of Gallup Participating Area "C" be August 1, 1963, the first of the month following the completion date of Gallegos Canyon Unit Well No. 132, the well on which the enlargement is predicated.

The attached map, Exhibit "A", shows the proposed Fourth Enlargement to Gallup Participating Area "C". Also attached is an Engineering and Geological Report, including an isopach map of the Gallup formation, (1) to support the Fourth Enlargement to Gallup Participating Area "C" and (2) reasonably



- 2 -

Director, U.S.G.S.  
Commissioner of Public Lands  
Oil Conservation Commission  
Working Interest Owners in  
Gallegos Canyon Unit

Date: January 16, 1964  
File: N-32-416  
Subject: Proposed Fourth Enlargement  
Gallup Participating Area "C"  
Gallegos Canyon Unit  
San Juan Co., New Mexico

prove the acreage in the enlargement is productive of unitized substances in paying quantities from the Gallup formation.

Your approval of the proposed Fourth Enlargement of Gallup Participating Area "C" in the Gallegos Canyon Unit is respectfully requested.

Yours very truly,

PAN AMERICAN PETROLEUM CORPORATION

*T. M. Curtis*  
T. M. Curtis  
District Superintendent

JRK:en  
Attachments

APPROVED: *John A. Baker*  
ACTING Director, United States Geological Survey  
(Subject to like approval by appropriate State officials)

DATE: APR 15 1964

APPROVED: *E. Walker*  
Commissioner of Public Lands  
(Subject to like approval of U.S.G.S. and Oil Conservation Commission)

DATE: February 4, 1964

APPROVED: *A. L. Porter, Jr.*  
Oil Conservation Commission  
(Subject to like approval of U.S.G.S. and Commissioner of Public Lands)

DATE: 2-6-64

# PAN AMERICAN PETROLEUM CORPORATION

P. O. Box 480, Farmington, New Mexico  
September 4, 1963

File: N-657-993

Subject: Third Enlargement to Gallup  
Participating Areas "A" and "C"  
Gallegos Canyon Unit  
San Juan County, New Mexico

Director (6)  
United States Geological Survey  
P. O. Drawer 1857  
Roswell, New Mexico

Commissioner of Public Lands (3)  
The State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

✓ Oil Conservation Commission of (3)  
The State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

All Working Interest Owners  
Gallegos Canyon Unit  
(See Attached Addressee List)

Gentlemen:

The proposed Third Enlargement to the Gallup Participating Areas "A" and "C" in the Gallegos Canyon Unit has now been approved by the regulatory bodies on the following dates:

Director United States Geological Survey	August 16, 1963
Commissioner of Public Lands State of New Mexico	June 24, 1963
New Mexico Oil Conservation Commission	June 26, 1963

The effective date for both enlargements is November 1, 1962.

Yours very truly,

PAN AMERICAN PETROLEUM CORPORATION

  
T. M. Curtis  
District Superintendent

CKD:d  
Attach.

Oil Conservation Commission: Attached is a fully executed copy of the Third Enlargement for your file.

MAILING LIST OF WORKING INTEREST OWNERS  
GALLEGOS CANYON UNIT AREA  
SAN JUAN COUNTY, NEW MEXICO

American Petrofina Co. of Texas  
P. O. Box 2159  
Dallas 21, Texas  
Attention: Mr. Deewall, Land Dept.

American Petrofina Co. of Texas  
P. O. Box 2159  
Dallas 21, Texas  
Attention: Mr. Wilkin, Prod. Dept.

The Atlantic Refining Co. (3)  
Suite 760, Petroleum Club Building  
110 - 16th Street  
Denver 2, Colorado

Aztec Oil and Gas Company  
920 Mercantile Securities Building  
Dallas 1, Texas  
Attention: Mr. H. L. Snider, Jr.

Mary Roberts Berry  
208 E. Washington Street  
Washington, Iowa

Tom Bolack  
1010 North Dustin  
Farmington, New Mexico

Brookman Oil Company  
P. O. Box 1267  
Scottsdale, Arizona

B. H. and Dyvena Crawford  
Bloomfield, New Mexico

Delta Oil Company of Utah  
c/o Universal Minerals, Inc.  
1126 Mercantile Securities Bldg.  
Dallas 1, Texas

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas  
Attention: Land Department

Mr. Olen F. Featherstone  
Roswell Petroleum Building  
Roswell, New Mexico

Ernest A. Hanson  
P. O. Box 1515  
Roswell, New Mexico

L. B. Hodges  
P. O. Box 489  
Roswell, New Mexico

Arthur B. Johnson  
1114 Laurel Drive  
Lafayette, California

Harold K. Johnson  
1118 Laurel Drive  
Lafayette, California

Marie C. Anderson  
372 Euclid Avenue  
Oakland, California

Agnes L. Fulsaaas  
1807 78th Avenue  
Oakland, California

Elma R. Jones  
764 Twentieth Avenue  
San Francisco, California

Locke-Taylor Drilling Company  
801 Second Avenue  
Durango, Colorado

National Drilling Company, Inc.  
4810 N. Kenneth Avenue  
Chicago 30, Illinois

Diversa, Inc.  
633 Meadows Building  
Dallas 6, Texas

Pubco Petroleum Corporation  
P. O. Box 1419  
Albuquerque, New Mexico

H. K. Riddle  
1409 Mesilla N. E.  
Albuquerque, New Mexico

247

Drawer 1857  
Roswell, New Mexico

August 30, 1963

Fan American Petroleum Corporation  
P. O. Box 480  
Farmington, New Mexico

Attention: Mr. T. M. Curtis

Gentlemen:

Your notice of June 28 supplemented by your letter of July 31, advises that Fan American Petroleum Corporation, as unit operator of the Gallegos Canyon unit area, San Juan County, New Mexico, has determined unit wells Nos. 122, 126, and 127 to be incapable of producing unitized substances in paying quantities from the Gallup formation.

Unit well No. 122, in the NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 18, T. 28 N., R. 12 W., was completed in February 1962 for a potential of 68 BOPD from the Gallup formation 5423 - 5431 feet. Well No. 126, in the NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 23, T. 28 N., R. 12 W., was completed in September 1962 for a potential of 33 BOPD from the Gallup formation 5581 - 5595 feet. Unit well No. 127, in the NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 21, T. 28 N., R. 12 W., was completed in August 1962 for a potential of 12 BOPD from the Gallup formation 5364 - 5378 feet.

This office concurs with your determination that unit wells Nos. 122, 126, and 127 are incapable of producing unitized substances in paying quantities under existing conditions. Production from these wells will be allocated to the leases on which they are situated.

Sincerely yours,

(ORIG. SGD.) JOHN A. ANDERSON

JOHN A. ANDERSON  
Regional Oil & Gas Supervisor

Copy to: Washington (w/cy of notice)  
Farmington (w/cy of notice)  
NMOCC - Santa Fe (ltr. only)  
Com. of Pub. Lands (ltr. only)  
Accounts



IN REPLY REFER TO:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Denver 1857  
Roswell, New Mexico

August 27, 1963

Pen American Petroleum Corporation  
P. O. Box 480  
Farmington, New Mexico

Attention: Mr. T. H. Curtis

Gentlemen:

Your application of June 13, 1963, for the third revision of the Gallup "A" and Gallup "C" participating areas, Gallegos Canyon unit agreement, San Juan County, New Mexico, was approved on August 16, 1963, by the Acting Director, U. S. Geological Survey, effective as of November 1, 1962.

Enclosed are six copies of the approved application. It is assumed that you will furnish all interested parties with appropriate evidence of this approval.

Sincerely yours,

(ORIG. SGD.) JOHN A. ANDERSON

JOHN A. ANDERSON  
Regional Oil and Gas Supervisor

cc:  
Washington (ltr. only)  
Farmington (w/cy appd. appln.)  
BLM, Santa Fe (w/cy appd. appln.)  
Comm. Pub. Lands, Santa Fe (ltr. only)  
NMOCC, Santa Fe (ltr. only) ✓

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

247

June 26, 1963

Pan American Petroleum Corporation  
P. O. Box 480  
Farmington, New Mexico

Attention: Mr. T. M. Curtis

Re: Third Enlargement to  
Gallup Participating  
Areas "A" and "C"  
Gallegos Canyon Unit,  
San Juan County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the proposed Third Enlargement to the Gallup Participating Areas "A" and "C" for the Gallegos Canyon Unit, San Juan County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

Ten approved copies of the third enlargements are being forwarded to the United States Geological Survey, Roswell, New Mexico.

Very truly yours,

A. L. PORTER, Jr.,  
Secretary-Director

ALP/JEK/ig

cc: Commissioner of Public Lands  
Santa Fe, New Mexico

United States Geological Survey

Roswell, New Mexico

C  
O  
P  
Y

247

JUN 24 1963

June 24, 1963

Pan American Petroleum Corporation  
P. O. Box 480  
Farmington, New Mexico

Re: Proposed Third Enlargement  
to Gallup Participating Areas  
"A" and "C", Gallegos Canyon  
Unit, San Juan County, New  
Mexico

Attention: Mr. T. M. Curtis

Gentlemen:

The Commissioner of Public Lands has approved as of June 24, 1963, your proposed Third Enlargement to the Gallup Participating Areas "A" and "C" for the Gallegos Canyon Unit, San Juan County, New Mexico. Our approval is subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

We are handing ten approved copies to the Oil Conservation Commission and requesting that they, in turn, send them to the United States Geological Survey for their consideration.

Very truly yours,

E. S. JOHNNY WALKER  
COMMISSIONER OF PUBLIC LANDS

ESJW/mmz/m  
encl:

BY:  
(Mrs.) Marian M. Rhea, Supervisor  
Unit Division

cc: Oil Conservation Commission  
United States Geological Survey  
Roswell, New Mexico  
Attention: Mr. John A. Anderson

# PAN AMERICAN PETROLEUM CORPORATION

P. O. Box 480, Farmington, New Mexico  
June 17, 1963

File: N-457-416

Subject: Proposed Third Enlargement to  
Gallup Participating Areas  
"A" and "C", Gallegos Canyon  
Unit, San Juan County, New Mexico

Commissioner of Public Lands  
State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Attention: Mrs. Marian Rhas

Gentlemen:

Attached herewith is Pan American Petroleum Corporation's proposed Third Enlargement to Gallup Participating Areas "A" and "C" in the Gallegos Canyon Unit. If this proposal meets with your approval, please execute all copies and send them to the Oil Conservation Commission of the State of New Mexico.

By copy of this letter to the Oil Conservation Commission, we request that upon their approval they in turn execute all copies and send them to the Oil and Gas Supervisor, United States Geological Survey.

By copy of this letter to the United States Geological Survey, we request that upon approval, they return to Pan American Petroleum Corporation, Box 480, Farmington, New Mexico, four fully executed copies. We will then transmit one fully signed copy of the enlargement to the Commissioner of Public Lands and to the Oil Conservation Commission.

In this manner, the files for each Agency will be complete.

Yours very truly,

PAN AMERICAN PETROLEUM CORPORATION



T. M. Curtis  
District Superintendent

JRK:en

cc: Oil Conservation Commission ✓  
State of New Mexico  
Santa Fe, New Mexico

The Oil and Gas Supervisor  
United States Geological Survey  
Roswell, New Mexico

**RECEIVED**  
JUN 29 1963

# PAN AMERICAN PETROLEUM CORPORATION

LOGICAL SURVEY  
ROSWELL, NEW MEXICO

P. O. Box 480, Farmington, New Mexico

JUN 13 1963

File: N-447-416

Subject: Proposed Third Enlargement to  
Gallup Participating Areas  
"A" and "C", Gallegos Canyon  
Unit, San Juan County, New Mexico

Director (6)  
United States Geological Survey  
P. O. Drawer 1857  
Roswell, New Mexico

Oil Conservation Commission (3)  
State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

Commissioner of Public Lands (3)  
State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico

All Working Interest Owners  
Gallegos Canyon Unit  
(See Attached Addressee List)

Gentlemen:

Pursuant to the provisions of Section 10 of the Unit Agreement for the Gallegos Canyon Unit, Pan American, as Unit Operator, has determined, subject to the approval of the Director, Commissioner, and Commission, that Gallegos Canyon Unit Well Nos. 128 and 129 are capable of producing unitized substances in paying quantities from the Gallup formation and that a Third Enlargement to Gallup Participating Areas "A" and "C" in the Gallegos Canyon Unit should be made.

The proposed Third Enlargement to Gallup Participating Area "A" consists of 200 acres and is described as follows:

E/2 NE/4, NE/4 SW/4, and N/2 SE/4 Section 25, T-28-N, R-12-W

Total acreage in the Gallup Participating Area "A" after the Third Enlargement is 880 acres, as shown on the attached ownership schedule, Exhibit "B", which describes and shows the ownership of acreage in the Gallup Participating Area "A" after the Third Enlargement.

It is proposed that the effective date of the Third Enlargement of Gallup Participating Area "A" be November 1, 1962, the first of the month following the completion of Gallegos Canyon Unit Well No. 128, the well on which the enlargement is predicated.

The proposed Third Enlargement to Gallup Participating Area "C" consists of 240 acres and is described as follows:

SE/4 SW/4, SW/4 SE/4 Section 19, T-28-N, R-12-W  
E/2 NW/4, W/2 NE/4 Section 30, T-28-N, R-12-W

Director, U.S.G.S.  
Commissioner of Public Lands  
Oil Conservation Commission  
Working Interest Owners in  
Gallegos Canyon Unit

- 2 -

Date: June 13, 1963  
File: N-447-416  
Subject: Proposed Third Enlargement  
Gallup Participating Areas  
"A" and "C", Gallegos  
Canyon Unit, San Juan Co.,  
New Mexico

Total acreage in the Gallup Participating Area "C" after the Third Enlargement is 1868.75 acres, as shown on the attached ownership schedule, Exhibit "B", which describes and shows the ownership of acreage in the Gallup Participating Area "C" after the Third Enlargement.

It is proposed that the effective date for the Third Enlargement of Gallup Participating Area "C" be November 1, 1962, the first of the month following the completion date of Gallegos Canyon Unit Well No. 129, the well on which the enlargement is predicated.

The attached map, Exhibit "A", shows the proposed Third Enlargement to Gallup Participating Areas "A" and "C". Also attached is an Engineering and Geological Report, including an isopach map of the Gallup formation, (1) to support the Third Enlargement to Gallup Participating Areas "A" and "C" and (2) reasonably prove the acreage in the enlargements is productive of unitized substances in paying quantities from the Gallup formation.

Your approval of the proposed Third Enlargement of Gallup Participating Areas "A" and "C" in the Gallegos Canyon Unit is respectfully requested.

Yours very truly,

PAN AMERICAN PETROLEUM CORPORATION



T. M. Curtis  
District Superintendent

JRK:en  
Attachments

Director, U.S.G.S.  
Commissioner of Public Lands  
Oil Conservation Commission  
Working Interest Owners in  
Gallegos Canyon Unit

- 3 -

Date: June 13, 1963  
File: N-447-416  
Subject: Proposed Third Enlargement  
Gallup Participating Areas  
"A" and "C", Gallegos  
Canyon Unit, San Juan Co.,  
New Mexico

APPROVED:   
Acting Director, United States Geological Survey  
(Subject to like approval by appropriate  
State officials)

DATE: AUG 16 1963

APPROVED:   
Commissioner of Public Lands  
(Subject to like approval of U.S.G.S.  
and Oil Conservation Commission)

DATE: June 24, 1963

APPROVED:   
Oil Conservation Commission  
(Subject to like approval of U.S.G.S.  
and Commissioner of Public Lands)

DATE: June 26, 1963

RECEIVED  
AUG 16 1963  
U. S. GEOLOGICAL SURVEY  
ROSWELL, NEW MEXICO

177

MAILING LIST OF WORKING INTEREST OWNERS  
GALLEGOS CANYON UNIT AREA  
SAN JUAN COUNTY, NEW MEXICO

American Petrofina Co. of Texas  
P. O. Box 2159  
Dallas 21, Texas  
Attention: Mr. Deewall, Land Dept.

American Petrofina Co. of Texas  
P. O. Box 2159  
Dallas 21, Texas  
Attention: Mr. Wilkin, Prod. Dept.

The Atlantic Refining Co. (3)  
Suite 760, Petroleum Club Building  
110 - 16th Street  
Denver 2, Colorado

Aztec Oil and Gas Company  
920 Mercantile Securities Building  
Dallas 1, Texas  
Attention: Mr. H. L. Snider, Jr.

Mary Roberts Berry  
208 E. Washington Street  
Washington, Iowa

Tom Bolack  
1010 North Dustin  
Farmington, New Mexico

Brookman Oil Company  
P. O. Box 1267  
Scottsdale, Arizona

B. H. and Dyvena Crawford  
Bloomfield, New Mexico

Delta Oil Company of Utah  
c/o Universal Minerals, Inc.  
1126 Mercantile Securities Bldg.  
Dallas 1, Texas

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas  
Attention: Land Department

Mr. Olen F. Featherstone  
Roswell Petroleum Building  
Roswell, New Mexico

Ernest A. Hanson  
P. O. Box 1515  
Roswell, New Mexico

L. B. Hodges  
P. O. Box 489  
Roswell, New Mexico

Arthur B. Johnson  
1114 Laurel Drive  
Lafayette, California

Harold K. Johnson  
1118 Laurel Drive  
Lafayette, California

Marie C. Anderson  
372 Euclid Avenue  
Oakland, California

Agnes L. Fulsas  
1807 78th Avenue  
Oakland, California

Elma R. Jones  
764 Twentieth Avenue  
San Francisco, California

Locke-Taylor Drilling Company  
801 Second Avenue  
Durango, Colorado

National Drilling Company, Inc.  
4810 N. Kenneth Avenue  
Chicago 30, Illinois

Diversa, Inc.  
633 Meadows Building  
Dallas 6, Texas

Pubco Petroleum Corporation  
P. O. Box 1419  
Albuquerque, New Mexico

H. K. Riddle  
1409 Mesilla N. E.  
Albuquerque, New Mexico



ATTACHMENT NO. 1

WELL COMPLETION DATA  
THIRD ENLARGEMENT OF GALLUP  
PARTICIPATING AREAS "A" AND "C"  
GALLEGOS CANYON UNIT  
SAN JUAN COUNTY, NEW MEXICO

GALLEGOS CANYON UNIT WELL NO. 128

Location - 1650' FNL and 990' FEL, Section 25, T-28-N, R-12-W  
Elevation - 5899' DF; 5902' RDB; 5890' GL  
Total Depth - 5845' Plug Back Depth - 5801'  
Top Pay - 5738' (Gallup)  
Casing Program - 8-5/8" CSA 214' with 180 sacks  
4-1/2" CSA 5839' with 350 sacks  
Tubing - 2-3/8" landed at 5748'  
Perforations - 5738-44' with 24 shots  
5748-54' with 24 shots  
Stimulation - Fractured with 29,000 gallons of oil and 30,000  
pounds of sand. Spotted 500 gallons of 15% Hydro-  
chloric acid across proposed perforation interval  
prior to perforating.  
Potential - Flowed 257 BO in 24 hours, choke size 20/64"  
CPF 925 psig, TPF 365 psig  
Completion Date - October 3, 1962

GALLEGOS CANYON UNIT WELL NO. 129

Location - 660' FNL and 1960' FWL, Section 30, T-28-N, R-12-W  
Elevation - 5758' DF  
Total Depth - 5549' Plug Back Depth - 5505'  
Top Pay - 5453'  
Casing Program - 8-5/8" CSA 213' with 180 sacks  
4-1/2" CSA 5542' with 450 sacks  
Tubing - 2-3/8" landed at 5448'  
Perforations - 5453-57' with 32 shots  
Stimulation - Fractured with 30,000 gallons of oil and 30,000  
pounds of sand.  
Potential - Flowed 145 BO in 24 hours, choke size 32/64"  
CPF 510 psig, TPF 35 psig  
Completion Date - October 28, 1962

ATTACHMENT NO. 1

WELL COMPLETION DATA  
THIRD ENLARGEMENT OF GALLUP  
PARTICIPATING AREAS "A" AND "C"  
GALLEGOS CANYON UNIT  
SAN JUAN COUNTY, NEW MEXICO

GALLEGOS CANYON UNIT WELL NO. 128

Location - 1650' FNL and 990' FEL, Section 25, T-28-N, R-12-W  
Elevation - 5899' DF; 5902' RDB; 5890' GL  
Total Depth - 5845' Plug Back Depth - 5801'  
Top Pay - 5738' (Gallup)  
Casing Program - 8-5/8" CSA 214' with 180 sacks  
4-1/2" CSA 5839' with 350 sacks  
Tubing - 2-3/8" landed at 5748'  
Perforations - 5738-44' with 24 shots  
5748-54' with 24 shots  
Stimulation - Fractured with 29,000 gallons of oil and 30,000  
pounds of sand. Spotted 500 gallons of 15% Hydro-  
chloric acid across proposed perforation interval  
prior to perforating.  
Potential - Flowed 257 BO in 24 hours, choke size 20/64"  
CPF 925 psig, TPF 365 psig  
Completion Date - October 3, 1962

GALLEGOS CANYON UNIT WELL NO. 129

Location - 660' FNL and 1960' FWL, Section 30, T-28-N, R-12-W  
Elevation - 5758' DF  
Total Depth - 5549' Plug Back Depth - 5505'  
Top Pay - 5453'  
Casing Program - 8-5/8" CSA 213' with 180 sacks  
4-1/2" CSA 5542' with 450 sacks  
Tubing - 2-3/8" landed at 5448'  
Perforations - 5453-57' with 32 shots  
Stimulation - Fractured with 30,000 gallons of oil and 30,000  
pounds of sand.  
Potential - Flowed 145 BO in 24 hours, choke size 32/64"  
CPF 510 psig, TPF 35 psig  
Completion Date - October 28, 1962

EXHIBIT "B"

OWNERSHIP SCHEDULE  
THIRD ENLARGEMENT GALLUP PARTICIPATING AREA "A"  
GALLEGOS CANYON UNIT  
SAN JUAN COUNTY, NEW MEXICO  
EFFECTIVE NOVEMBER 1, 1962

<u>Tract No.</u>	<u>Description of Land</u>	<u>Serial No. &amp; Lease Date</u>	<u>Owner</u>	<u>Basic Royalty % of 8/8</u>	<u>Owner of Record</u>	<u>Overrides %</u>	<u>Owner</u>	<u>Working Interest % of Lease</u>	<u>Acres</u>	<u>Percent Participation</u>
19	S/2 SE/4 Sec. 23; SW/4, SW/4 SE/4 Sec. 24; NE/4 Sec. 26-28N-12W	SF-078904 2-1-48	USA	12.50	Pan American Petroleum Corp. George J. Darneille	2.00	Pan American Petroleum Corp. National Drilg. Co.	75.00 25.00	440.00	50.00000
19-A	N/2, N/2 SE/4, NE/4 SW/4 Sec. 25- 28N-12W	SF-078904-A 2-1-48	USA	12.50	Pan American Petroleum Corp.	None	Pan American Petroleum Corp.	100.00	440.00	50.00000

FEDERAL LEASES

<u>Type of Acreage</u>	<u>Committed Acres</u>	<u>Percent Participation</u>
Federal	880.00	100.00

EXHIBIT "B"

OWNERSHIP SCHEDULE  
THIRD ENLARGEMENT GALLUP PARTICIPATING AREA "C"  
GALLEGOS CANYON UNIT  
SAN JUAN COUNTY, NEW MEXICO  
EFFECTIVE NOVEMBER 1, 1962

<u>Tract No.</u>	<u>Description of Land</u>	<u>Serial No. &amp; Lease Date</u>	<u>Basic Royalty Owner</u> <u>% of 8/8</u>	<u>Owner of Record</u>	<u>Overrides %</u>	<u>Owner</u>	<u>Working Interest % of Lease</u>	<u>Acres</u>	<u>Percent Participation</u>
<u>DERAL LEASE</u>									
6	SW/4, S/2 SE/4 Sec. 14; SW/4, S/2 NW/4, SW/4 NE/4, W/2 SE/4, SE/4 SE/4 Sec. 24; Sec. 23-28N-13W	SF-077966 2-1-48	USA	Aztec Oil & Gas Co.	None	Aztec Oil & Gas Co.	100.00	1280.00	68.49498
<u>INDIAN LEASES</u>									
39	SE/4 SW/4, SW/4 SE/4, SW/4 SW/4 (Lot 4) Sec. 19-28N-12W	I-149-Ind. -8476	c/o Bureau of Indian Affairs	Texaco Inc.	None	Texaco Inc.	100.00	116.30	6.22341
42	E/2 NW/4, W/2 NE/4, W/2 NW/4 (Lots 1, 2) Sec. 30-28N-12W	I-149-Ind. -8470	c/o Bureau of Indian Affairs	Aztec Oil & Gas Co.	None	Aztec Oil & Gas Co.	100.00	232.45	12.43880
43	NE/4, N/2 NW/4 Sec. 25-28N-13W	I-149-Ind. -8471 6-9-50	c/o Bureau of Indian Affairs	Pan American Petroleum Corp. Southern Union Gas Co.	None	Pan American Petroleum Corp. Southern Union Production Co.	50.00 50.00	240.00	12.84281
<u>Summary</u>									
		<u>Type of Acreage</u>	<u>Committed Acres</u>	<u>Percent Participation</u>					
		Federal	1280.00	68.49498					
		Indian	588.75	31.50502					
			1868.75	100.00000					