



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

May 8, 1980

BRUCE KING
GOVERNOR

LARRY KEHOE
SECRETARY

6-23
POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

Amoco Production Company
Security Life Building
Denver, Colorado 80202

Attention: Mr. R. B. Giles

Amendment
Administrative Order NSL-1165

Gentlemen:

Reference is made to your application for amendment of Administrative Order NSL-1165 for two non-standard Gallegos Canyon Unit Well locations, Basin Dakota Pool, San Juan County, New Mexico, as follows:

Gallegos Canyon Unit Well No. 184E to be located 1435 feet from the South line and 1590 feet from the East line of Section 28, T-28-N, R-12-W, and the

Gallegos Canyon Unit Well No. 185E to be located 600 feet from the North line and 515 feet from the East line of Section 33, Township 28 North, Range 12 West.

By authority granted me under the provisions of Rule 3 of Order No. R-1670-V, the above-described unorthodox locations are hereby approved.

Sincerely,

JOE D. RAMFY,
Director

JDR/RLS/dr

cc: Oil Conservation Division - Aztec
Oil & Gas Engineering Committee - Hobbs
U. S. Geological Survey - Farmington



OIL CONSERVATION COMMISSION
Chyler DISTRICT

OIL CONSERVATION COMMISSION
BOX 2088
SANTA FE, NEW MEXICO

DATE May 8, 1980

RE: Proposed MC _____
Proposed DHC _____
Proposed NSL X _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX _____

Gentlemen:

I have examined the application dated May 5, 1980
for the Amoco Prod. Co. L.C.U. #184E J-28-28N-12W
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve

Yours very truly,

Frank S. Chang



May 1, 1980

Joe D. Ramey, Director (3)
Department of Energy and Minerals
Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87501

File: HAS-92-986.511

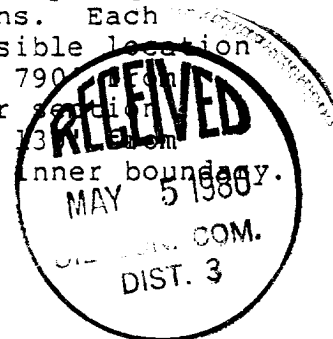
Dear Mr. Ramey:

Application for Right to Produce
Basin Dakota Gas from Gallegos Canyon
Unit Wells No. 184E and No. 185E at
Unorthodox Well Locations,
San Juan County, New Mexico

By this verified application submitted in triplicate, Amoco, Unit Operator of the Gallegos Canyon Unit with a 51.7% working interest, requests approval to produce gas from the Basin Dakota formation in the following two (2) Gallegos Canyon Unit wells, each is a Basin Dakota infill well, at the unorthodox locations shown at the far right below:

| <u>Unit Well No.</u> | <u>Previously Approved Unorthodox Site</u> | <u>New Unorthodox Site</u> |
|--------------------------|--|--|
| 184E | 400' FSL and 630' FEL of Section 28-T28N-R12W | 1,435' FSL and 1,590' FEL of Section 28-R28N-R12W |
| 185E | 825' FNL and 775' FEL of Section 33-T28N-R12W | 600' FNL and 515' FEL of Section 33-T28N-R12W |

A Form C-102 showing the reason for each new unorthodox location is enclosed. After inspection of the previously approved unorthodox locations (Administrative Order NSL-1165) by Navajo Indian Irrigation Project officials, they requested we restake them to their new unorthodox locations. Each new location is an exception because the permissible location for a Basin Dakota infill well must be at least 790' from the outer boundary line of the undrilled quarter section of the 320-acre proration unit, and be at least 13' from any quarter quarter section line or subdivision inner boundary.



Joe D. Ramey, Director
May 1, 1980
Page Two

As shown on both the Verification and Affidavit that is a part of this application and the enclosed plat, there are no offset operators to notify because each of the above two (2) unorthodox locations is offset by other Gallegos Canyon Unit wells completed in the Basin Dakota pool. If you have no objection to this application, we shall appreciate receiving your administrative approval.

Very truly yours,



R. B. Giles

RBG/mlm

Enclosures

cc:
Frank Chaves, Supervisor District III
New Mexico Oil Conservation Commission
1000 Rio Brazos Road
Aztec, NM 87410

P. T. McGrath
United States Geological Survey
P. O. Box 965
Farmington, NM 87401

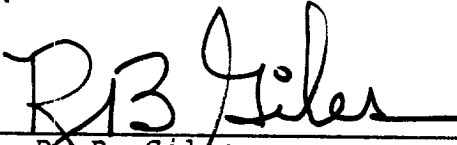
APE277

VERIFICATION AND AFFIDAVIT

STATE OF COLORADO)
 : ss.
COUNTY OF DENVER)

R. B. Giles, of lawful age, being first duly sworn on his oath, deposes and says:

That he is employed in an engineering capacity by Amoco Production Company in its Denver, Colorado, office; that he has been qualified as an expert engineering witness by the New Mexico Oil Conservation Division and his qualifications have been made of record; that he has testified numerous times before the New Mexico Oil Conservation Division on well spacing matters; that Amoco's application for approval to produce gas from the Basin Dakota formation in Gallegos Canyon Unit Wells No. 184E and No. 185E in San Juan County, New Mexico, at the unorthodox locations described in the application, each of which is offset by other Gallegos Canyon Unit wells completed in the Basin Dakota formation, was prepared under his direction and supervision; that the matters and things therein set forth are true and correct to the best of his knowledge and beliefs.



R. B. Giles

Subscribed and sworn to before me this 1st day of May, 1980.



NOTARY PUBLIC

My Commission expires:

8-15-80

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-102
Revised 10-1-78

All distances must be from the outer boundaries of the Section.

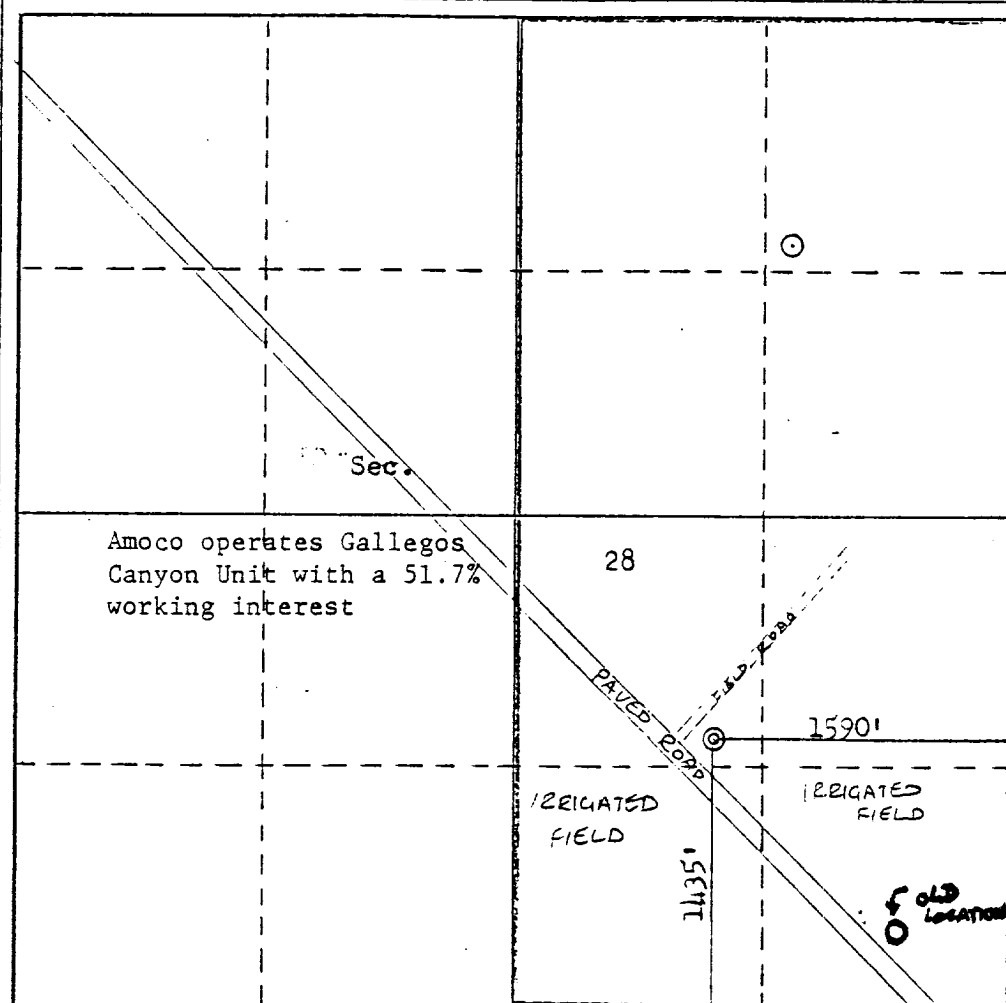
| | | | | | |
|--|--------------------------------------|------------------------|--------------------------------------|---------------------------|--|
| Operator AMOCO PRODUCTION COMPANY | | | Lease GALLEGOS CANYON UNIT | | Well No. 184-E |
| Unit Letter J | Section 28 | Township 28N | Range 12W | County San Juan | |
| Actual Footage Location of Well: 1435 feet from the South line and 1590 feet from the East line | | | | | |
| Ground Level Elev. 5684 | Producing Formation Dakota | | Pool Basin Dakota | | Dedicated Acreage: 320 Acres |

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation Unitization (Gallegos Canyon Unit)

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

B.E. Fackrell

Name

B.E. FACKRELL

Position

DISTRICT ENGINEER

Company

AMOCO PRODUCTION COMPANY

Date

MARCH 28, 1980

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

March 26, 1980

Registered Professional Engineer
and/or Land Surveyor*Fred B. Kerr Jr.*
Fred B. Kerr Jr.

Certificate No. 3950

R 12 W

| | | | |
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|----|---|----|---|

GCU#228

GCU 229

T 28 N

EXISTING AMOCO WELLS ●

OUTSIDE OPERATED WELLS ●

(There are NONE)

PROPOSED WELL ●

GALLEGOS CANYON UNIT #184E
OLD LOCATION

PROPOSED NEW LOCATION ▲

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-107
Revised 10-1-78

All distances must be from the outer boundaries of the Section.

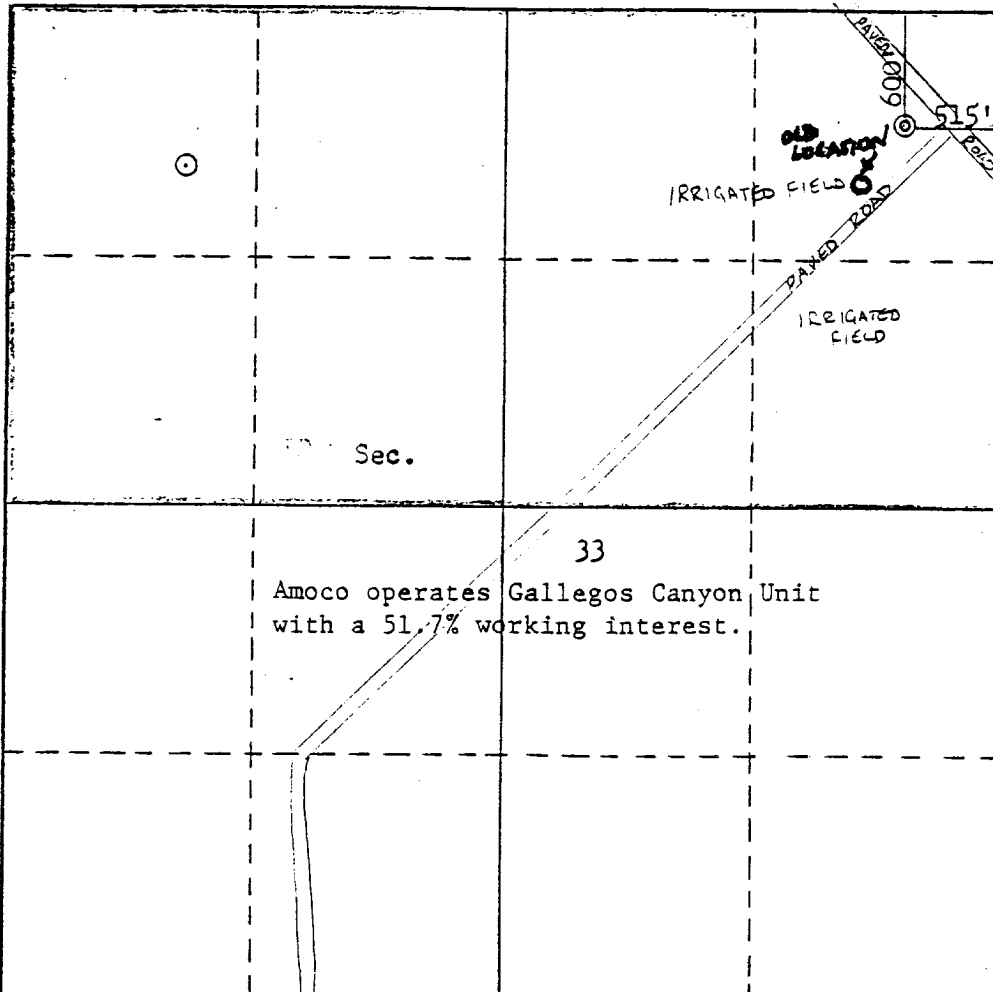
| | | | | | |
|--|--------------------------------------|------------------------|--------------------------------------|---------------------------|--|
| Operator AMOCO PRODUCTION COMPANY | | | Lease GALLEGOS CANYON UNIT | | Well No. 185-E |
| Unit Letter A | Section 33 | Township 28N | Range 12W | County San Juan | |
| Actual Footage Location of Well: 600 feet from the North line and 515 feet from the East line | | | | | |
| Ground Level Elev. 5731 | Producing Formation Dakota | | Pool Basin Dakota | | Dedicated Acreage: 320 Acres |

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

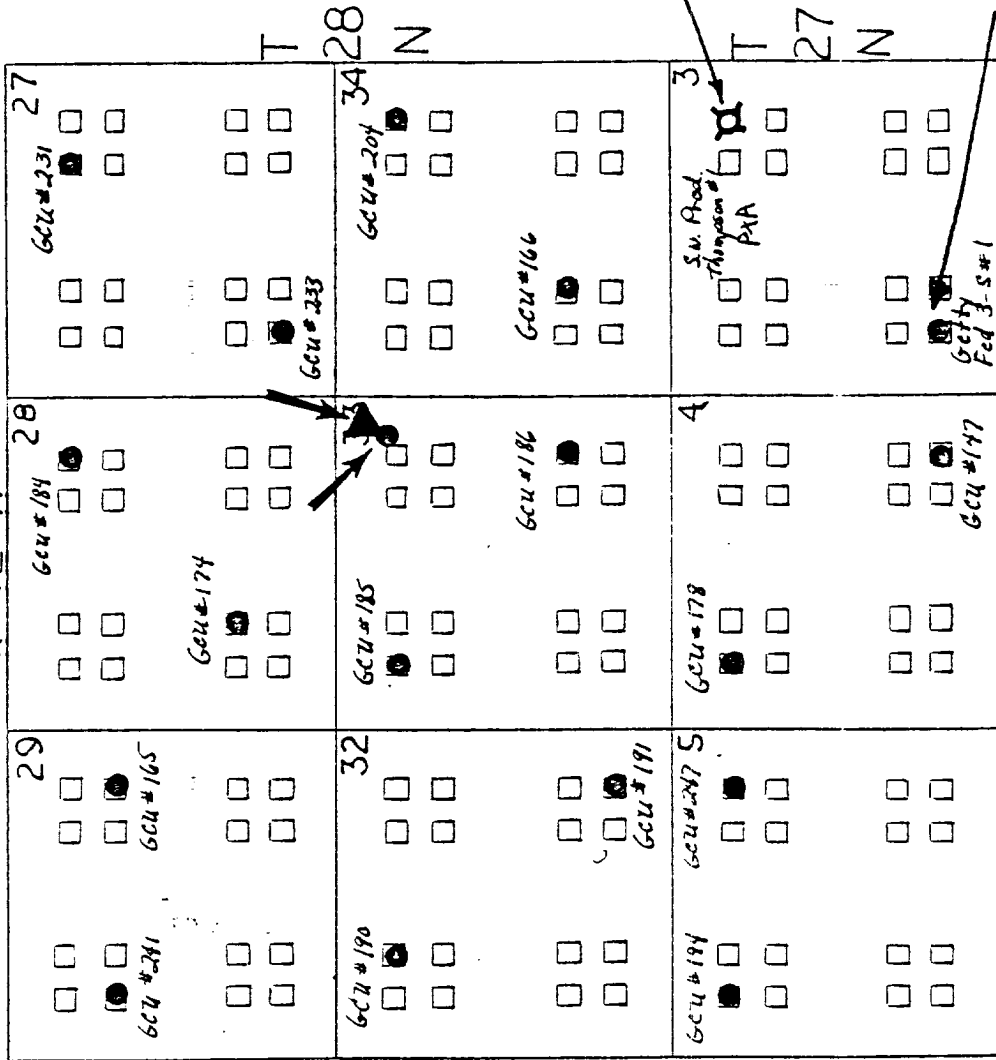
☒ Yes ☐ No If answer is "yes," type of consolidation Unitization (Gallegos Canyon Unit)

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



R 12 W



EXISTING AMOCO WELLS ●

OUTSIDE OPERATED WELLS ●

PROPOSED WELL ●

GALLEGOS CANYON UNIT #185E

OLD LOCATION

PROPOSED NEW LOCATION ▲

OOOW

OOOW

OOOW

OIL CONSERVATION COMMISSION
Alto DISTRICT

OIL CONSERVATION COMMISSION
 BOX 2088
 SANTA FE, NEW MEXICO

DATE

May 8, 1980

RE: Proposed MC

Proposed DHC

Proposed NSL α

Proposed SWD

Proposed WFX

Proposed PMX

Gentlemen:

I have examined the application dated May 5, 1980
 for the Almoor Prod. Co. G. P. U. #185E A-33-28N-12W
 Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Yours very truly,

Frank S. Chang



May 1, 1980

Joe D. Ramey, Director (3)
Department of Energy and Minerals
Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87501

File: HAS-92-986.511

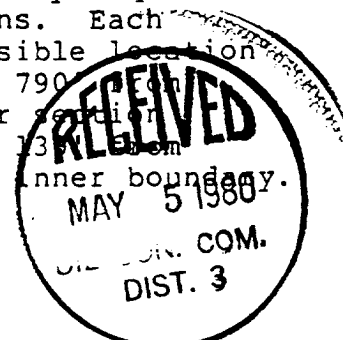
Dear Mr. Ramey:

Application for Right to Produce
Basin Dakota Gas from Gallegos Canyon
Unit Wells No. 184E and No. 185E at
Unorthodox Well Locations,
San Juan County, New Mexico

By this verified application submitted in triplicate, Amoco, Unit Operator of the Gallegos Canyon Unit with a 51.7% working interest, requests approval to produce gas from the Basin Dakota formation in the following two (2) Gallegos Canyon Unit wells, each is a Basin Dakota infill well, at the unorthodox locations shown at the far right below:

| <u>Unit Well No.</u> | <u>Previously Approved Unorthodox Site</u> | <u>New Unorthodox Site</u> |
|--------------------------|--|--|
| 184E | 400' FSL and 630' FEL of Section 28-T28N-R12W | 1,435' FSL and 1,590' FEL of Section 28-R28N-R12W |
| 185E | 825' FNL and 775' FEL of Section 33-T28N-R12W | 600' FNL and 515' FEL of Section 33-T28N-R12W |

A Form C-102 showing the reason for each new unorthodox location is enclosed. After inspection of the previously approved unorthodox locations (Administrative Order NSL-1165) by Navajo Indian Irrigation Project officials, they requested we restake them to their new unorthodox locations. Each new location is an exception because the permissible location for a Basin Dakota infill well must be at least 790' from the outer boundary line of the undrilled quarter section of the 320-acre proration unit, and be at least 13' from any quarter quarter section line or subdivision inner boundary.





STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR
LARRY KEHOE
SECRETARY

March 7, 1980

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

Amoco Production Company
Security Life Building
Denver, Colorado 80202

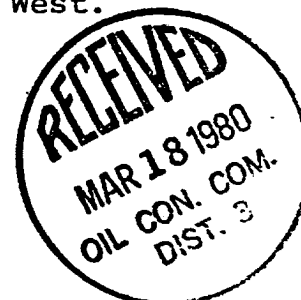
Attention: Mr. R. B. Giles

Administrative Order NSL-1165

Gentlemen:

Reference is made to your application for non-standard Gallegos Canyon Unit Well locations, Basin Dakota Pool, San Juan County, New Mexico, as follows:

- ✓ Gallegos Canyon Unit Well No. 93E located 1725 feet from the South line and 590 feet from the West line of Section 36, Township 29 North, Range 12 West;
- ✓ Gallegos Canyon Unit Well No. 173E located 635 feet from the West line and 1925 feet from the North line of Section 29, Township 29 North, Range 12 West;
- Gallegos Canyon Unit Well No. 174E located 1450 feet from the North line and 410 feet from the West line of Section 28, Township 28 North, Range 12 West;
- Gallegos Canyon Unit Well No. 184E located 400 feet from the South line and 630 feet from the East line of Section 28, Township 28 North, Range 12 West;
- Gallegos Canyon Unit Well No. 185E located 825 feet from the North line and 775 feet from the East line of Section 33, Township 28 North, Range 12 West; and
- ~~Gallegos Canyon Unit Well No. 186E located 1250 feet from the South line and 1860 feet from the West line of Section 33, Township 28 North, Range 12 West.~~



Amoco Production Company

Page 2
Administrative Order
NSL-1165

By authority granted me under the provisions of Rule 3 of Order No. R-1670-V, the above-described unorthodox locations are hereby approved.

Sincerely,

JOE D. RAMEY,
Director

JDR/RLS/dr

cc: Oil Conservation Division - Aztec
Oil & Gas Engineering Committee - Hobbs
U.S. Geological Survey - Farmington



OIL CONSERVATION COMMISSION
By the DISTRICT

OIL CONSERVATION COMMISSION
BOX 2088
SANTA FE, NEW MEXICO

DATE March 6, 1980

RE: Proposed MC _____
Proposed DHC _____
Proposed NSL x _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX _____

Gentlemen:

I have examined the application dated March 4, 1980
for the Amoco Production Co. S. P. U. #186 E N-33-28N-12W
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve

Yours very truly,

Frank J. Chang



Amoco Production Company

Denver Region
Security Life Building
Denver, Colorado 80202
303-820-4040

March 4, 1980

Joe D. Ramey, Director (3)
Department of Energy and Minerals
Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87501

File: HAS-53-986.511

Dear Mr. Ramey:

Application for Right to Produce
Basin Dakota Gas from Six (6)
Gallegos Canyon Unit Wells at
Unorthodox Well Locations,
San Juan County, New Mexico

By this verified application submitted in triplicate, Amoco, Unit Operator of the Gallegos Canyon Unit with a 51.7 percent working interest, requests approval to produce gas from the Basin Dakota formation in the following six (6) Gallegos Canyon Unit wells, each is a Basin Dakota infill well, at the unorthodox locations shown below:

| <u>Unit Well No.</u> | <u>Unorthodox Site</u> |
|----------------------|--|
| 93E | 1,725' FSL and 590' FWL of Section 36-T29N-R12W |
| 173E | 635' FWL and 1,925' FNL of Section 29-T29N-R12W |
| 174E | 1,450' FNL and 410' FWL of Section 28-T28N-R12W |
| 184E | 400' FSL and 630' FEL of Section 28-T28N-R12W |
| 185E | 825' FNL and 775' FEL of Section 33-T28N-R12W |
| 186E | 1,250' FSL and 1,860' FWL of Section 33-T28N-R12W |

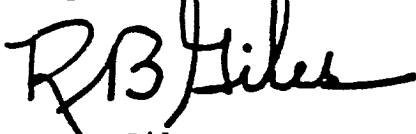


Joe D. Ramey
March 4, 1980
Page Two

A Form C-107 showing the reason for each unorthodox location is enclosed. Each location is an exception because the permissible location for a Basin Dakota infill well must be at least 790' from the outer boundary line of the undrilled quarter section of the 320-acre proration unit, and be at least 130' from any quarter quarter section line or subdivision inner boundary.

As shown on both the Verification and Affidavit that is a part of this application and the enclosed plat, there are no offset operators to notify because each of the above six (6) unorthodox locations is offset by other Gallegos Canyon Unit wells completed in the Basin Dakota pool. If you have no objection to this application, we shall appreciate receiving your administrative approval.

Very truly yours,



R. B. Giles

RBG/mlm

Enclosures

cc:
A. R. Kendrick, Supervisor District III
New Mexico Oil Conservation Commission
1000 Rio Brazos Road
Aztec, NM 87410

P. T. McGrath
United States Geological Survey
P. O. Box 965
Farmington, NM 87401

BBO426



VERIFICATION AND AFFIDAVIT

STATE OF COLORADO)
 : ss.
COUNTY OF DENVER)

R. B. Giles, of lawful age, being first duly sworn on his oath, deposes and says:

That he is employed in an engineering capacity by Amoco Production Company in its Denver, Colorado, office; that he has been qualified as an expert engineering witness by the New Mexico Oil Conservation Division and his qualifications have been made of record; that he has testified numerous times before the New Mexico Oil Conservation Division on well spacing matters; that Amoco's application for approval to produce gas from the Basin Dakota formation in six (6) Gallegos Canyon Unit wells in San Juan County, New Mexico, at the unorthodox locations described in the application, each of which is offset by other Gallegos Canyon Unit wells completed in the Basin Dakota formation, was prepared under his direction and supervision; that the matters and things therein set forth are true and correct to the best of his knowledge and beliefs.



R. B. Giles

Subscribed and sworn to before me this 4th day of March, 1980.



NOTARY PUBLIC

My Commission expires:

8-15-80

All distances must be from the outer boundaries of the Section.

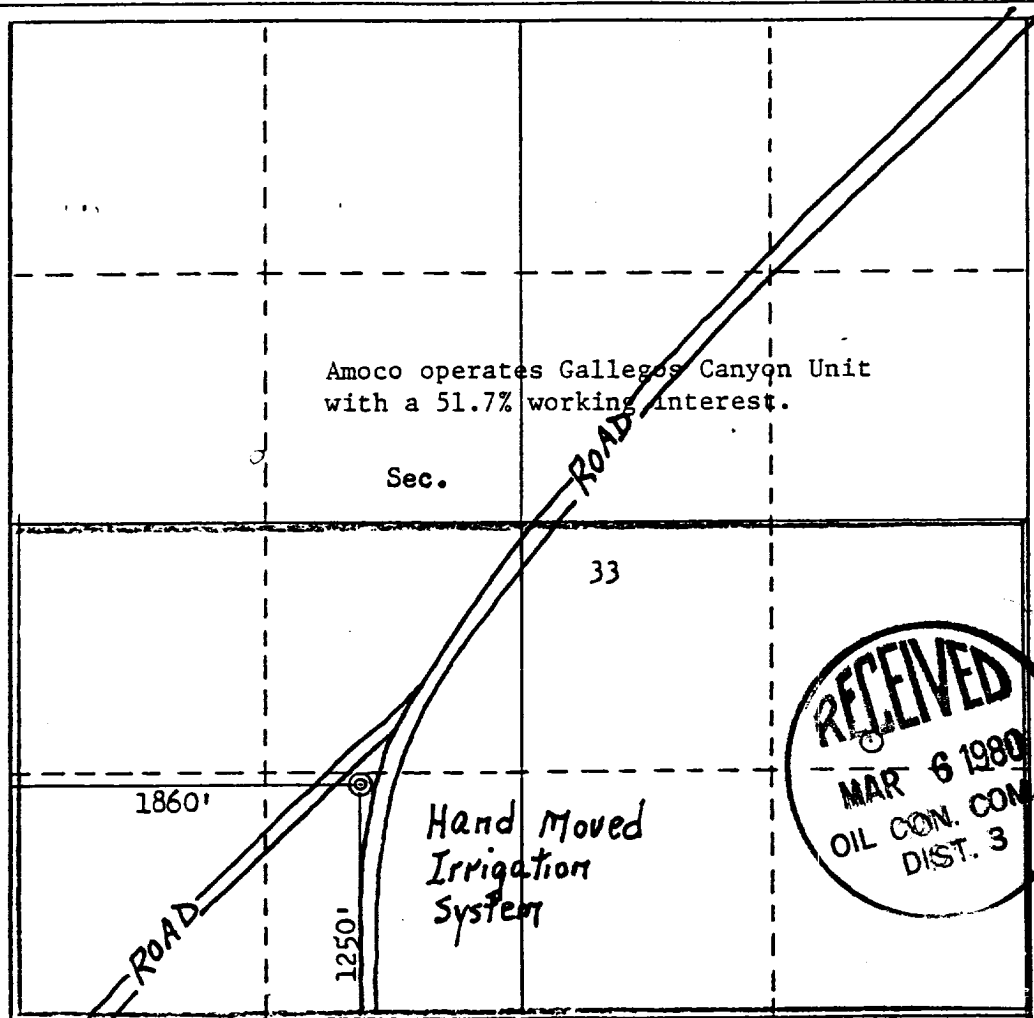
| | | | | | |
|--|--------------------------------------|------------------------|--------------------------------------|---------------------------|--|
| Operator AMOCO PRODUCTION COMPANY | | | Lease GALLEGOS CANYON UNIT | | Well No. 186-E |
| Unit Letter N | Section 33 | Township 28N | Range 12W | County San Juan | |
| Actual Footage Location of Well: 1250 feet from the South line and 1860 feet from the West line | | | | | |
| Ground Level Elev. 5707 | Producing Formation Dakota | | Pool Basin Dakota | | Dedicated Acreage: 320 Acres |

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation Unitization (Gallegos Canyon Unit)

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

B. E. Fackrell

Name
B. E. FACKRELL
Position
DISTRICT ENGINEER
Company
AMOCO PRODUCTION COMPANY
Date
FEBRUARY 15, 1980

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
February 1, 1980
Registered Professional Engineer and/or Land Surveyor
Fred B. Kerr Jr.
Certificate No. **3950**

EXISTING AMOCO WELLS

OUTSIDE OPERATED WELLS

PROPOSED WELL

GALLEGOS CANYON UNIT #186E

R 12 W

| | | |
|-------------------------------------|-------------------------------------|-------------------------------------|
| 29 | 28 | 27 |
| <div>□ □ □ □ GCU #241</div> | <div>□ □ □ □ GCU #184</div> | <div>□ □ □ □ GCU #231</div> |
| <div>□ □ □ □ GCU #165</div> | <div>□ □ □ □ GCU #174</div> | <div>□ □ □ □ GCU #233</div> |
| 32 | 33 | 34 |
| <div>□ □ □ □ GCU #190</div> | <div>□ □ □ □ GCU #185</div> | <div>□ □ □ □ GCU #204</div> |
| <div>□ □ □ □ GCU #181</div> | <div>□ □ □ □ GCU #186</div> | <div>□ □ □ □ GCU #166</div> |
| 5 | 4 | 3 |
| <div>□ □ □ □ GCU #184</div> | <div>□ □ □ □ GCU #178</div> | <div>□ □ □ □ GCU #13</div> |
| <div>□ □ □ □</div> | <div>□ □ □ □ GCU #147</div> | <div>□ □ □ □ GCU #135</div> |

T 28 N

T 27 N

— OOW —

— OOW —