

Stogner, Michael

From: Corley, Mary L[SMTP:corleym@bp.com]
Sent: Monday, August 14, 2000 1:18 PM
To: Stogner, Michael
Subject: FW: Amoco's Gallegos Canyon Unit . #213

Please advise on the status of our application for a nonstandard location for the subject well or if additional data is required. Please reference previous email notes concerning this well. Application was originally submitted on March 29, 2000. A sundry notice was submitted to the BLM for well # 213E requesting permission to permanently plug and abandon on July 27, 2000. Approval is pending.

Thank you,
Mary Corley
281-366-4491

> -----Original Message-----

> From: Corley, Mary L
> Sent: Thursday, April 27, 2000 3:41 PM
> To: 'Stogner, Michael'
> Subject: RE: Amoco's Gallegos Canyon Unit . #213

>
> Well # 213E was not a successful Dakota completion. In 1996 it was
> considered for recompletion uphole into the Fruitland Coal. Recompletion
> was never preformed. A review of shut-in and nonproducing Dakota wells
> within Gallegos Canyon Unit was performed and potential uphole
> recompletion candidates were evaluated. Of the two wells - 213 and 213E -
> the most favorable well and potentially most economic recompletion appears
> to be well # 213. Additionally, the only pipeline constraint seems to be
> that the pipeline meter was installed further from the well 213E location
> than we desired. Since 213E is non-productive, the BLM has required us
> to restore well to service, recomplete, or plug and abandon. We would
> prefer to P&A this well and attempt recompletion into the Fruitland Coal
> utilizing well # 213. Surface owner, Tommy Bolack, has also stated his
> desire that # 213E be abandoned. It is our desire to accommodate the
> request of both the surface owner and the BLM.

>
> Please advise if this addresses your concerns on this matter.

>
> Thank You,

>
> -----

> From: Stogner, Michael[SMTP:MSTOGNER@state.nm.us]
> Sent: Thursday, April 27, 2000 9:14 AM
> To: 'Corley, Mary L'
> Cc: 'Bill Hawkins (BP/Amoco)'
> Subject: RE: Amoco's Gallegos Canyon Unit . #213

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> in detail what you mean by, "at the request of the surface owner the
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> will be P&A'ed". What condition is the #213-E well in that the BLM is
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> BP/Amoco P&A it? Do the pipeline constraints mentioned still exist?
>
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> > From: Corley, Mary L[SMTP:corleym1@bp.com]
> > Sent: Thursday, April 27, 2000 7:01 AM
> > To: Stogner, Michael
> > Subject: Amoco's Gallegos Canyon Unit . #213
> >
> > <<File: Amoco.doc>>
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> > Gallegos Canyon Unit well # 213E, please note that well # 213E is
> > currently a shut in Dakota well, it was never recompleted into the Basin
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> > surface owner the subject well be plugged and abandoned in the near
> > future.
> >
> >
> > Please advise if you need additional information.
> >
> > Thanks,
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> > > From: Hawkins, James W
> > > Sent: Thursday, April 20, 2000 10:07 AM
> > > To: Corley, Mary L
> > > Cc: Eddington, Max K; Papageorge, John
> > > Subject: FW: Amoco's Gallegos Canyon Un. #213
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> > >
> > > Let me know what your review turns up.
> > > Bill Hawkins
> > > Regulatory Affairs
> > > 501 WestLake Park Blvd, MC 2.508
> > > Houston Texas 77079
> > > Phone: 281-366-5450
> > > Fax: 281-366-7143
> > > Email: hawkinj2@bp.com
> > >
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> > > From: Stogner, Michael[SMTP:MSTOGNER@state.nm.us]
> > > Sent: Wednesday, April 19, 2000 4:16 PM.
> > > To: Perrin, Charlie; 'Bill Hawkins (BP/Amoco)'
> > > Subject: Amoco's Gallegos Canyon Un. #213
> > >
> > > Request for supplemental data.
> > > <<Amoco>>
> > >
> > >
> >
>
>

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE No. 2096
Order No. R-1814

APPLICATION OF THE OIL CONSERVATION
COMMISSION ON ITS OWN MOTION TO
CONSIDER ESTABLISHING NON-STANDARD
GAS PRORATION UNITS IN THE BASIN-
DAKOTA GAS POOL IN CERTAIN PARTIAL
SECTIONS, SAN JUAN COUNTY, NEW
MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on
October 13, 1960, at Farmington, New Mexico, before the Oil
Conservation Commission of New Mexico, hereinafter referred
to as the "Commission."

NOW, on this 4th day of November, 1960, the Commission,
a quorum being present, having considered the testimony presented
and the exhibits received at said hearing, and being fully advised
in the premises,

FINDS:

(1) That due public notice having been given as required by
law, the Commission has jurisdiction of this cause and the subject
matter thereof.

(2) That, in order to ensure systematic development and
thereby prevent waste and protect correlative rights, the Commis-
sion should establish individual proration units in the Basin-
Dakota Gas Pool in the tier of partial sections lying immediately
South of the Seventh Standard Parallel North in Township 28 North,
Ranges 8 through 13 West, NMPM, San Juan County, New Mexico.

(3) That by Order No. R-1628-A an administrative procedure
was established whereby the Commission could establish a non-
standard Dakota gas proration unit consisting of all of partial
Section 7 and the W/2 W/2 of partial Section 8, Township 28 North,
Range 10 West, NMPM, San Juan County, New Mexico, which area should
be excepted from the area divided into non-standard proration
units by this order.

IT IS THEREFORE ORDERED:

(I) That the following-described areas be and the same are hereby established as non-standard gas proration units in the Basin-Dakota Gas Pool, San Juan and Rio Arriba Counties, New Mexico.

- (1) All of partial Section 7 plus Lot 4 and the S/2 SW/4 of partial Section 8, Township 28 North, Range 13 West, comprising 362.41 acres.
- (2) Lots 1, 2 and 3 and the S/2 SE/4 of partial Section 8 plus Lots 2, 3 and 4, the S/2 SW/4 and the SW/4 SE/4 of partial Section 9, Township 28 North, Range 13 West, comprising 378.28 acres.
- (3) Lot 1 and the SE/4 SE/4 of partial Section 9 plus all of Section 10, Township 28 North, Range 13 West, comprising 344.42 acres.
- (4) All of partial Section 11 plus Lot 4 and the SW/4 SW/4 of partial Section 12, Township 28 North, Range 13 West, comprising 344.28 acres.
- (5) Lots 1, 2 and 3, the SE/4 SW/4, and the S/2 SE/4 of partial Section 12, Township 28 North, Range 13 West, plus Lots 2, 3, 4 and 5, and the SE/4 SW/4 of partial Section 7, Township 28 North, Range 12 West, comprising 364.58 acres.
- (6) Lot 1 and the S/2 SE/4 of partial Section 7 plus Lots 2, 3 and 4 and the S/2 S/2 of partial Section 8, Township 28 North, Range 12 West, comprising 354.12 acres.
- (7) Lot 1 of partial Section 8 plus all of partial Section 9 plus the SW/4 SW/4 of partial Section 10, Township 28 North, Range 12 West, comprising 340.91 acres.
- (8) Lots 1, 2, 3 and 4, the SE/4 SW/4 and the S/2 SE/4 of partial Section 10 plus Lots 3 and 4 and the S/2 SW/4 of partial Section 11, Township 28 North, Range 12 West, comprising 366.46 acres.
- (9) Lots 1 and 2 and the S/2 SE/4 of partial Section 11 plus Lots 2, 3 and 4, the S/2 SW/4 and the SW/4 SE/4 of partial Section 12, Township 28 North, Range 12 West, comprising 337.98 acres.
- (10) Lot 1 and the SE/4 SE/4 of partial Section 12, Township 28 North, Range 12 West, plus all of

partial Section 7, Township 28 North, Range 11 West, comprising 335.02 acres.

- (11) All of partial Section 8 plus Lot 4 and the SW/4 SW/4 of partial Section 9, Township 28 North, Range 11 West, comprising 333.55 acres.
- (12) Lots 1, 2 and 3, the SE/4 SW/4 and the S/2 SE/4 of partial Section 9 plus Lots 3 and 4 and the S/2 SW/4 of partial Section 10, Township 28 North, Range 11 West, comprising 328.45 acres.
- (13) Lots 1 and 2 and the S/2 SE/4 of partial Section 10 plus Lots 2, 3 and 4, the S/2 SW/4 and the SW/4 SE/4 of partial Section 11, Township 28 North, Range 11 West, comprising 323.29 acres.
- (14) Lot 1 and the SE/4 SE/4 of partial Section 11 plus all of partial Section 12, Township 28 North, Range 11 West, comprising 318.14 acres.
- (15) Lots 1, 2 and 3, the SE/4 SW/4 and the S/2 SE/4 of partial Section 8 plus Lots 3 and 4 and the S/2 SW/4 of partial Section 9, Township 28 North, Range 10 West, comprising 319.67 acres.
- (16) Lots 1 and 2 and the S/2 SE/4 of partial Section 9 plus Lots 2, 3 and 4, the S/2 SW/4 and the SW/4 SE/4 of partial Section 10, Township 28 North, Range 10 West, comprising 322.88 acres.
- (17) Lot 1 and the SE/4 SE/4 of partial Section 10 plus all of partial Section 11, Township 28 North, Range 10 West, comprising 327.29 acres.
- (18) All of partial Section 12, Township 28 North, Range 10 West, plus Lots 4 and 5 of partial Section 7, Township 28 North, Range 9 West, comprising 322.94 acres.
- (19) Lots 1, 2 and 3, the SE/4 SW/4 and the S/2 SE/4 of partial Section 7 plus Lots 3 and 4 and the S/2 SW/4 of partial Section 8, Township 28 North, Range 9 West, comprising 345.25 acres.
- (20) Lots 1 and 2 and the S/2 SE/4 of partial Section 8 plus Lots 2, 3 and 4, the S/2 SW/4 and the SW/4 SE/4 of partial Section 9, Township 28 North, Range 9 West, comprising 340.52 acres.
- (21) Lot 1 and the SE/4 SE/4 of partial Section 9 and all of partial Section 10, Township 28 North, Range 9 West, comprising 338.40 acres.

CASE No. 2096
Order No. R-1814

- (22) All of partial Section 11 plus Lot 4 and the SW/4 SW/4 of partial Section 12, Township 28 North, Range 9 West, comprising 334.46 acres.
- (23) Lots 1, 2 and 3, the SE/4 SW/4 and the S/2 SE/4 of partial Section 12, Township 28 North, Range 9 West, plus Lots 4 and 5 and the SE/4 SW/4 of partial Section 7, Township 28 North, Range 8 West, comprising 312.28 acres.
- (24) Lots 1, 2 and 3 and the S/2 SE/4 of partial Section 7 plus Lots 3 and 4 and the S/2 SW/4 of partial Section 8, Township 28 North, Range 8 West, comprising 341.36 acres.
- (25) Lots 1 and 2 and the S/2 SE/4 of partial Section 8 plus Lots 2, 3 and 4 and the S/2 SW/4 of partial Section 9, Township 28 North, Range 8 West, comprising 333.84 acres.
- (26) Lot 1 and the S/2 SE/4 of partial Section 9 plus Lots 2, 3 and 4, the S/2 SW/4 and the SW/4 SE/4 of partial Section 10, Township 28 North, Range 8 West, comprising 335.11 acres.
- (27) Lot 1 and the SE/4 SE/4 of partial Section 10 plus Lots 2, 3 and 4 and the S/2 S/2 of partial Section 11, Township 28 North, Range 8 West, comprising 331.76 acres.
- (28) Lot 1 of partial Section 11 plus all of partial Section 12, Township 28 North, Range 8 West, comprising 327.87 acres.

all in San Juan County, New Mexico.

(II) That each of the above-described non-standard gas proration units shall be assigned an acreage factor for allowable purposes which shall be the ratio of the acreage in that unit to the acreage in a standard gas proration unit in the Basin-Dakota Gas Pool.

DONE at Santa Fe, New Mexico, on the day and year herein-above designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

JOHN BURROUGHS, Chairman

MURRAY E. MORGAN, Member

SEAL

A. L. PORTER, Jr., Member & Secretary

esr/

From: Stogner, Michael
Sent: Thursday, April 27, 2000 8:14 AM
To: 'Corley, Mary L'
Cc: 'Bill Hawkins (BP/Amoco)'
Subject: RE: Amoco's Gallegos Canyon Unit . #213

I am assuming that the BLM is the surface owner in this case. Please explain in detail what you mean by, "at the request of the surface owner the #213-E will be P&A'ed". What condition is the #213-E well in that the BLM is having BP/Amoco P&A it? Do the pipeline constraints mentioned still exist?

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Sent: Thursday, April 27, 2000 7:01 AM
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Subject: Amoco's Gallegos Canyon Unit . #213

<<File: Amoco.doc>>

In response to your request for supplemental data concerning the status of Gallegos Canyon Unit well # 213E, please note that well # 213E is currently a shut in Dakota well, it was never recompleted into the Basin Fruitland Coal pool due to pipeline restraints. At the request of the surface owner the subject well be plugged and abandoned in the near future.

Please advise if you need additional information.

Thanks,

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> Let me know what your review turns up.

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> Regulatory Affairs

> 501 WestLake Park Blvd, MC 2.508

> Houston Texas 77079

> Phone: 281-366-5450

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**NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT**

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

April 27, 1999

Amoco Production Company
BP Amoco/Western Gas Business Unit
Attention: Mary Corley
P. O. Box 3092
Houston, Texas 77253-3092

RE: *Administrative application to establish a non-standard 273.87-acre gas spacing and proration unit for the Basin-Fruitland Coal (Gas) Pool comprising all of Irregular Section 8, Township 28 North, Range 12 West, NMPM, San Juan County, New Mexico, for Amoco Production Company's existing Gallegos Canyon Unit Well No. 213 (API No. 30-045-11618), located at an off-pattern unorthodox gas well location 1450 feet from the South line and 2370 feet from the East line (Lot 2/Unit J) of Section 8.*

Dear Ms. Corley:

On January 15, 1997 the Division issued Administrative Order NSL-2001-A to Amoco Production Company (see copy attached) for the Gallegos Canyon Unit Well No. 213-E (API No. 30-045-26305), located at an unorthodox gas well location 930 feet from the South line and 480 feet from the West line (Unit M) of Section 8, to be recompleted up-hole from the Basin-Dakota Pool to the Basin-Fruitland Coal (Gas) Pool within the above-described non-standard unit.

In order for me to complete my review of the immediate application I need to know what the current status of this well is and what Amoco's proposed plans are for this well?

Thank you for your cooperation in this matter.

Sincerely,

Michael E. Stogner
Chief Hearing Officer/Engineer

MES/kv

cc: New Mexico Oil Conservation Division - Aztec
U. S. Bureau of Land Management - Farmington
J. W. Hawkins, Amoco Production Company - hawkinj2@bp.com



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

January 15, 1997

Amoco Production Company
P.O. Box 800
Denver, Colorado 80201
Attention: J. W. Hawkins

Administrative Order NSL-2001-A

Dear Mr. Hawkins:

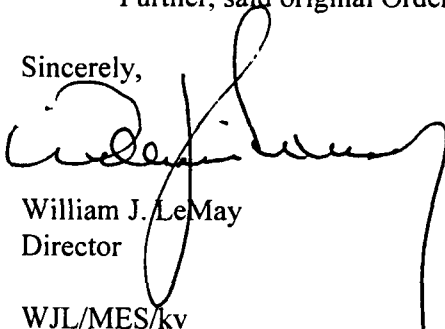
Reference is made to your application dated December 19, 1996 for a non-standard Basin-Fruitland coal gas well location for your existing Gallegos Canyon Unit Well No. 213-E (API No. 30-045-26305), which was drilled in 1985 and completed in the Basin-Dakota Pool at a previously approved unorthodox gas well location (see Division Administrative Order NSL-2001, dated March 15, 1985) 930 feet from the South line and 480 feet from the West line (Unit M) of irregular Section 8, Township 28 North, Range 12 West, NMPM, San Juan County, New Mexico.

It is our understanding that this well is to be recompleted up-hole into the Basin-Fruitland Coal (Gas) Pool, which pursuant to the "*Special Rules and Regulations for the Basin-Fruitland Coal (Gas) Pool*", as promulgated by Division Order No. R-8768, as amended, is also unorthodox. Further, all of said irregular Section 8 is to be dedicated to the well to form a non-standard 273.87-acre gas spacing and proration unit for said pool.

By the authority granted me under the provisions of Rules 6 and 8 of the "*Special Rules and Regulations for the Basin-Fruitland Coal (Gas) Pool*", as promulgated by Division Order No. R-8768, as amended, the above-described unorthodox coal gas well location for the Gallegos Canyon Unit Well No. 213-E and said 273.87-acre non-standard gas spacing and proration unit in the Basin-Fruitland Coal (Gas) Pool are hereby approved.

Further, said original Order NSL-2001 shall be placed in abeyance until further notice.

Sincerely,



William J. LeMay
Director
WJL/MES/kv

cc: Oil Conservation Division - Aztec
U.S. Bureau of Land Management - Farmington
File: NSL-2001



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

January 15, 1997

Amoco Production Company
P.O. Box 800
Denver, Colorado 80201
Attention: J. W. Hawkins

Administrative Order NSL-2001-A

Dear Mr. Hawkins:

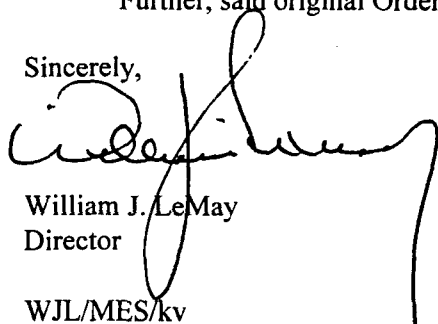
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William J. LeMay
Director

WJL/MES/kv

cc: Oil Conservation Division - Aztec
U.S. Bureau of Land Management - Farmington
File: NSL-2001

NSL-2001-A

January 15, 1997

Rec: 12-23-96

Susp: NR

Released: 1-15-97

Amoco Production Company
P.O. Box 800
Denver, Colorado 80201

Attention: J. W. Hawkins

Administrative Order NSL-2001-A

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Sincerely,

William J. LeMay
Director

WJL/MES/kv

cc: Oil Conservation Division - Aztec
U.S. Bureau of Land Management - Farmington
File: NSL-2001

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

GALLEGOS CANYON UNIT #2136

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

(NSP-Non-Standard Production Unit) (NSL-Non-Standard Location)
 (DD-Directional Drilling) (SD-Simultaneous Dedication)
 (DHC-Downhole Completion) (CTB-Lease Completion) (PLC-Pool/Lease Completion)
 (PC-Pool Completion) (OLS-Off-Lease Storage) (OLM-Off-Lease Measurement)
 (WFX-Waterflood Expansion) (PMX-Pressure Maintenance Expansion)
 (SWD-Salt Water Disposal) (IPI-Injection Pressure Increase)
 (EOR-Qualified Enhanced Oil Recovery Certification) (PPR-Positive Production Response)

Amoco
RECEIVED

DEC 23 1996

Oil Conservation Division

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Directional Drilling
☒ NSL ☐ NSP ☐ DD ☐ SD

Check One Only for [B] or [C]

- [B] Completion - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☒ Does Not Apply - All

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners

- [B] ☐ Offset Operators, Leaseholders or Surface Owner

- [C] ☐ Application is One Which Requires Published Legal Notice

- [D] ☐ Notification and/or Concurrent Approval by BLM or SLO

U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

- [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

- [F] ☐ Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I further verify that all applicable API Numbers are included. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

J.W. HAWKINS

Print or Type Name

J.W. Hawkins
 Signature

REGULATORY AFFAIRS ENGR.

Title

12/19/96

Date



December 19, 1996

Southern

Rockies

Business

Unit

Mr. William J. LeMay, Director
New Mexico Oil Conservation Division
2040 S. Pacheco Street
P.O. Box 6429
Santa Fe, NM 87505

Application For Unorthodox Location
Gallegos Canyon Unit #213E Well
930' FSL, 480' FWL, Section 8-T28N-R12W
Basin Fruitland Coal Pool
San Juan County, New Mexico

Amoco Production Company hereby requests administrative approval for an unorthodox well location for the Gallegos Canyon Unit #213E well in the Basin Fruitland Coal Pool. Amoco plans to plug back this well from the Basin Dakota Pool. Approval for this unorthodox location was originally granted for the Basin Dakota Pool by Administrative Order NSL 2001 issued on March 15, 1985.

Attached is the Form C-102 showing the location of the well, and a nine section plat showing wells drilled in the area. This well is located in the interior of the Gallegos Canyon Unit and Amoco is the only offset operator affected by this application.

Sincerely,

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

Attachments

cc: Mark Yamasaki
Nancy Whitaker

District I
PO Box 1980, Hobbs, NM 88241-1980

District II

811 South First, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102

Revised October 18, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 3004526305	² Pool Code 71629	³ Pool Name Basin Fruitland Coal
⁴ Property Code 000570	⁵ Property Name Gallegos Canyon Unit	⁶ Well Number 213E
⁷ OGRID No. 000778	⁸ Operator Name Amoco Production Company	⁹ Elevation 5654

¹⁰ Surface Location

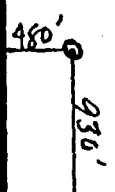
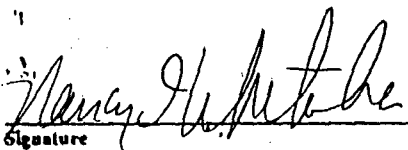
UL or lot no. M	Section 8	Township 28N	Range 12W	Lot Ida	Feet from the 930	North/South line South	Feet from the 480	East/West line West	County San Juan
--------------------	--------------	-----------------	--------------	---------	----------------------	---------------------------	----------------------	------------------------	--------------------

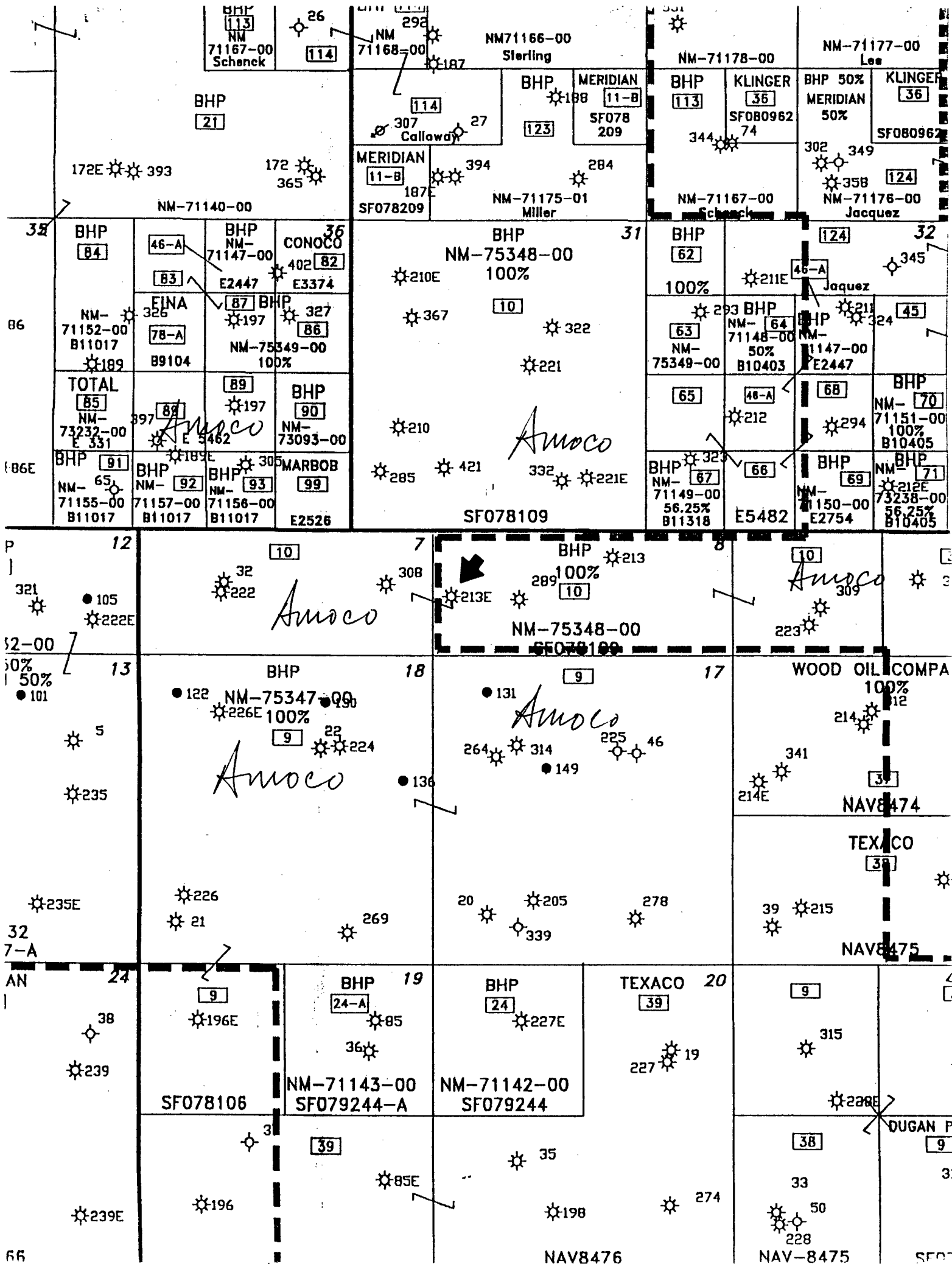
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
---------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

¹² Dedicated Acres 273.87	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶ 				¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature Nancy I. Whitaker Printed Name Staff Assistant Title 12-19-96 Date
				¹⁸ SURVEYOR CERTIFICATION 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 belief. 2-8-85 Date of Survey Signature and Seal of Professional Surveyor: On File 3950 Certificate Number



CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

01/15/97 10:22:44
OGOMES -EME3
PAGE NO: 2

Sec : 08 Twp : 28N Rng : 12W Section Type : NORMAL

4 28.52 Federal owned U	3 28.55 Federal owned U	2 28.45 Federal owned U A	1 28.35 Federal owned U
M 40.00 Federal owned U A	N 40.00 Federal owned U A	O 40.00 Federal owned U	P 40.00 Federal owned U

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07 BKWD	PF08 FWD	PF09 PRINT	PF10 SDIV	PF11	PF12

1
68.52
68.55
137.07
68.45
205.52
68.35
273.87



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

March 15, 1985

TONEY ANAYA
GOVERNOR

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

Amoco Production Company
Petroleum Center Building
501 Airport Drive
Farmington, New Mexico 87401

Attention: W. J. Holcomb

Administrative Order NSL-2001

Gentlemen:

Reference is made to your application for a non-standard location for your Gallegos Canyon Unit Well No. 213E to be located 930 feet from the South line and 480 feet from the West line of Section 8, Township 28 North, Range 12 West, NMPM, Basin-Dakota Pool, San Juan County, New Mexico. Lot 1 and the S/2 SE/4 of partial Section 7 plus Lots 2, 3, and 4 and the S/2 S/2 of partial Section 8, Township 28 North, Range 12 West, comprising 354.12 acres shall be dedicated to the well.

By authority granted me under the provisions of Rule 104 F(I), the above-described unorthodox location is hereby approved.

Sincerely,

R. L. STAMETS, DIRECTOR

RLS/DC/dr

cc: Oil Conservation Division - Aztec
Oil & Gas Engineering Committee - Hobbs
Bureau of Land Management - Farmington

DATE IN 3/31/00	SUSPENSE 4/20/00	ENGINEER MS	LOGGED KN	TYPE NSL
--------------------	---------------------	----------------	--------------	-------------

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
 [DD-Directional Drilling] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

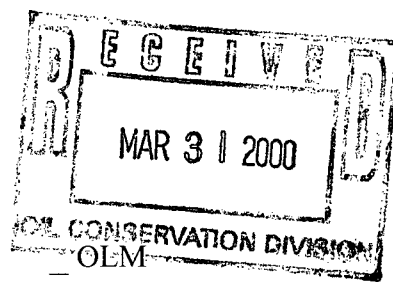
[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling
☒ NSL ☐ NSP ☐ DD ☐ SD

Check One Only for [B] and [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR



[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
- [B] ☐ Offset Operators, Leaseholders or Surface Owner
- [C] ☐ Application is One Which Requires Published Legal Notice
- [D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] ☐ Waivers are Attached

*4-19-00
Charlie seg
OK*

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Mary Corley	<i>Mary Corley</i>	Sr. Business Analyst	03/29/2000
Print or Type Name	Signature	Title	Date

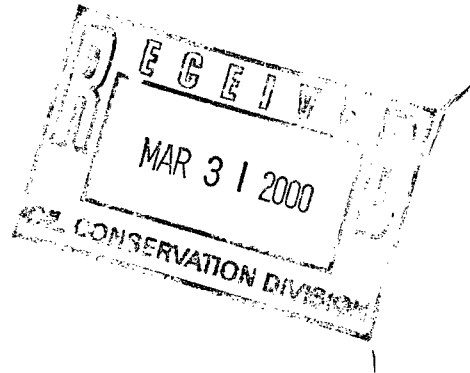
BP Amoco

**Amoco Production Company**

BP Amoco
Western Gas Business Unit
Post Office Box 3092
Houston, TX 77253-3092

March 29, 2000

Ms. Lori Wrotenbery, Director
New Mexico Oil Conservation Division
2040 S. Pacheco Street
P.O. Box 6429
Santa Fe, NM 87505



Application For Non-Standard Location
Gallegos Canyon Unit #213 Well
1450' FSL, 2370' FEL, Unit J, Section 8-T29N-R12W
Basin Fruitland Coal Pool
San Juan County, New Mexico

T28N

Amoco Production Company hereby requests administrative approval for an non-standard well location for the Gallegos Canyon Unit Com #213 well in the Basin Fruitland Coal Pool. Amoco plans to plug back this well from the Basin Dakota Pool. The well location is non-standard due to the variation in the legal subdivision of the United States Public Lands Survey such that Section 8 does not consist of an entire governmental section. This is noted on Form C-102 showing the location of the well, and nine section plats.

Attached is the Form C-102 showing the location of the well, acreage assigned to the well and notation of the section being a partial section. In addition, also attached is a nine section plat showing wells drilled in the area and the configuration of the section. The subject well is located in the interior of the Gallegos Canyon Unit and Amoco is the only offset operator affected by this application.

Sincerely,

Mary Corley

Attachments

cc: John Papageorge
Well file
Proration file

cc'd Frank on 4-5-00
M-S

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

311 South First., Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department**OIL CONSERVATION DIVISION**2040 South Pacheco
Santa Fe, New Mexico 87505

Form C-102

Revised October 18, 1994

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-11618	Pool Code 71629	Pool Name Basin Fruitland Coal
Property Code 000570	Property Name Gallegos Canyon Unit	Well Number 213
OGRID No. 000778	Operator Name AMOCO PRODUCTION COMPANY	Elevation 5676'

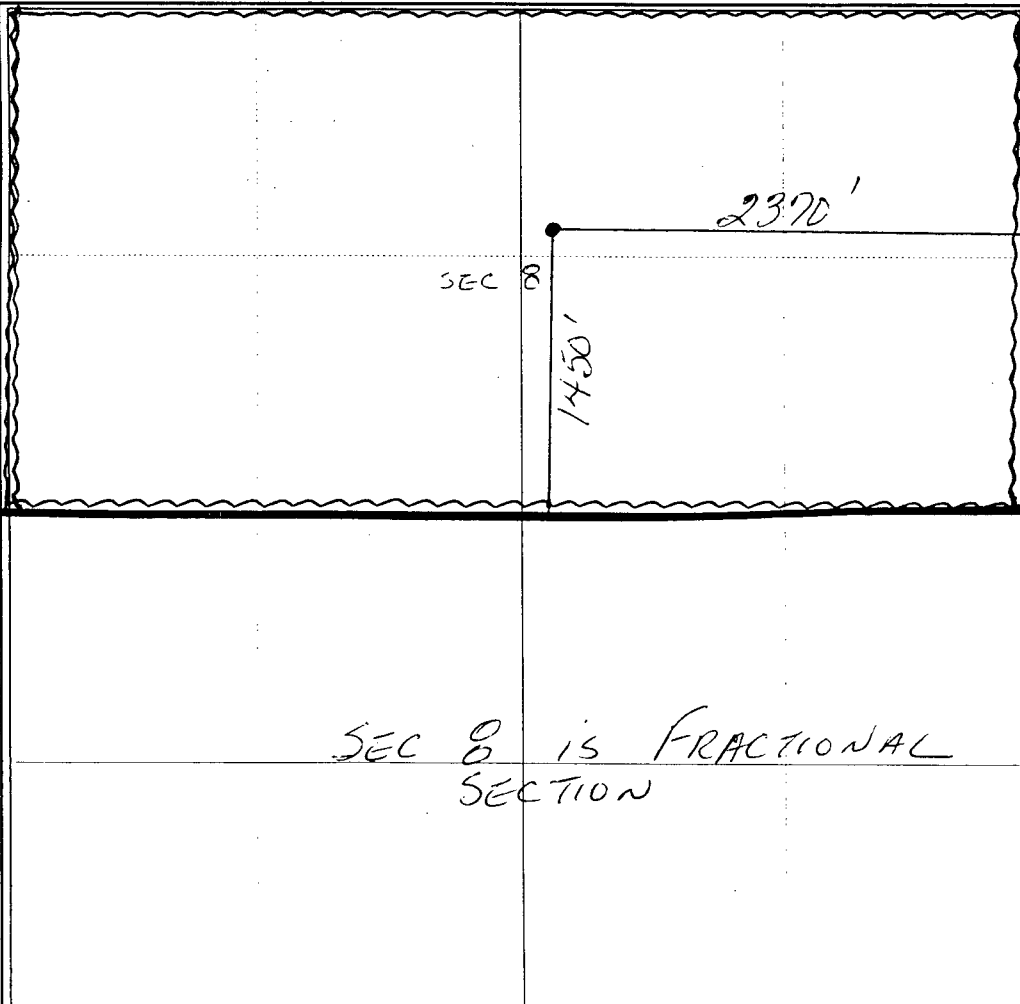
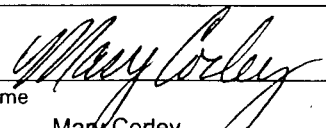
Surface Location

UL or lot no. UNIT J	Section 8	Township 28N	Range 12W	Lot. Idn	Feet from the 1450'	North/South Line SOUTH	Feet from the 2370'	East/West Line EAST	County San Juan
-------------------------	--------------	-----------------	--------------	----------	------------------------	---------------------------	------------------------	------------------------	--------------------

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
Dedicated Acreage: 320	Joint or Infill	Consolidation Code	Order No.						

**NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION**

	OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>
	Signature 
	Printed Name Mary Corley
	Position Sr. Regulatory Analyst
	Date 02/22/2000
	SURVEY CERTIFICATION <i>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.</i>
	<div style="border: 1px solid black; padding: 5px; text-align: center;">12/24/1965</div>
	Date of Survey
	Signature & Seal of Professional Surveyor <div style="border: 1px solid black; height: 40px; width: 100%;"></div>
	Certificate No. 3602



■ *Fruitland Coal*
 ● *Dakota*

AMOCO PRODUCTION COMPANY HOUSTON, TX			
WESTERN GAS BUSINESS UNIT			
FRUITLAND COAL WELLS T28N R12W SEC. 8 [REF. GCU #213 (DAKOTA)]			
SCALE 1"=2500'	DRAWN M. J. RITZ	DATE 23-MAR-2000	
DRAWING			

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

04/19/00 13:57:03
OGOMES -TPSY
PAGE NO: 2

Sec : 08 Twp : 28N Rng : 12W Section Type : NORMAL

4 28.52 Federal owned U	3 28.55 Federal owned U	2 28.45 Federal owned U A	1 28.35 Federal owned U
M 40.00 Federal owned U A	N 40.00 Federal owned U A	O 40.00 Federal owned U	P 40.00 Federal owned U

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07 BKWD	PF08 FWD	PF09 PRINT	PF10 SDIV	PF11	PF12

CMD :
OG6IWCM

ONGARD
INQUIRE WELL COMPLETIONS

04/19/00 13:57:42
OGOMES -TPSY

API Well No : 30 45 11618 Eff Date : 04-28-1994 WC Status : A
Pool Idn : 71599 BASIN DAKOTA (PRORATED GAS)
OGRID Idn : 778 AMOCO PRODUCTION CO
Prop Idn : 570 GALLEGOS CANYON UNIT

Well No : 213
GL Elevation: 5676

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
B.H. Locn	: 2	8	28N	12W	FTG 1450 F S	FTG 2370 F E	P

Lot Identifier:

Dedicated Acre: 354.12

Lease Type : F

Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

04/19/00 13:56:59
OGOMES -TPSY
PAGE NO: 1

Sec : 08 Twp : 28N Rng : 12W Section Type : NORMAL

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07 BKWD	PF08 FWD	PF09 PRINT	PF10 SDIV	PF11	PF12



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

March 15, 1985

TONEY ANAYA
GOVERNOR

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

Amoco Production Company
Petroleum Center Building
501 Airport Drive
Farmington, New Mexico 87401

Attention: W. J. Holcomb

Administrative Order NSL-2001

Gentlemen:

Reference is made to your application for a non-standard location for your Gallegos Canyon Unit Well No. 213E to be located 930 feet from the South line and 480 feet from the West line of Section 8, Township 28 North, Range 12 West, NMPM, Basin-Dakota Pool, San Juan County, New Mexico. Lot 1 and the S/2 SE/4 of partial Section 7 plus Lots 2, 3, and 4 and the S/2 S/2 of partial Section 8, Township 28 North, Range 12 West, comprising 354.12 acres shall be dedicated to the well.

By authority granted me under the provisions of Rule 104 F(I), the above-described unorthodox location is hereby approved.

Sincerely,

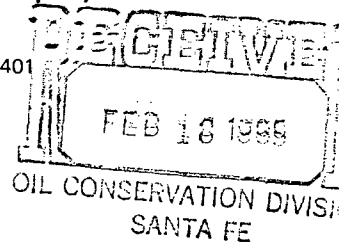
R. L. STAMETS, DIRECTOR

RLS/DC/dr

cc: Oil Conservation Division - Aztec
Oil & Gas Engineering Committee - Hobbs
Bureau of Land Management - Farmington

**Amoco Production Company**

Petroleum Center Building
501 Airport Drive
Farmington, New Mexico 87401
505-325-8841



W. J. Holcomb
District Manager

February 13, 1985

Mr. Gilbert Quintana
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87501

File: DDL-197-400.1

Application for Unorthodox Location
Gallegos Canyon Unit No. 213E
Basin Dakota Field
San Juan County, New Mexico

Amoco Production Company hereby requests approval of an unorthodox well location for the Gallegos Canyon Unit No. 213E. The proposed location is 930' FSL x 480' FWL of Section 8, T28N, R12W, San Juan County, New Mexico.

This well was staked in the unorthodox location indicated above in order to satisfy the surface owner.

A copy of this application is being sent by certified mail to the offset lease holder Sun Oil, with the request that they furnish you a waiver of objection and return one copy of the same to me.

Sincerely,

KRJ/ct

Attachments

cc: Mr. Ernie Bush
New Mexico Oil Conservation Division
1000 Rio Pecos Road

- (6) Lot 1 and the S/2 SE/4 of partial Section 7
plus Lots 2, 3 and 4 and the S/2 S/2 of partial
Section 8, Township 28 North, Range 12 West,
comprising 354.12 acres.

application for an unorthodox location as proposed above.

By: _____ Date: _____

AM18

NSL - 2001

RULE-104 F(2)

Dedicated Acreage - See below

OIL CONSERVATION DIVISION

P. O. BOX 2048

SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-71STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

Operator AMOCO PRODUCTION COMPANY			Lease GALLEGOS CANYON UNIT		Well No. 213E
Unit Letter M	Section 8	Township 28N	Range 12W	County San Juan	
Actual Footage Location of Well: 930 feet from the South line and 480 feet from the West line					
Ground Level Elev: 5641	Producing Formation Dakota		Pool Basin Dakota		Dedicated Acreage: 354.12 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 Unitized

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.

Name

B.D. Shaw

Position

Administrative Supervisor

Company

2/8/85

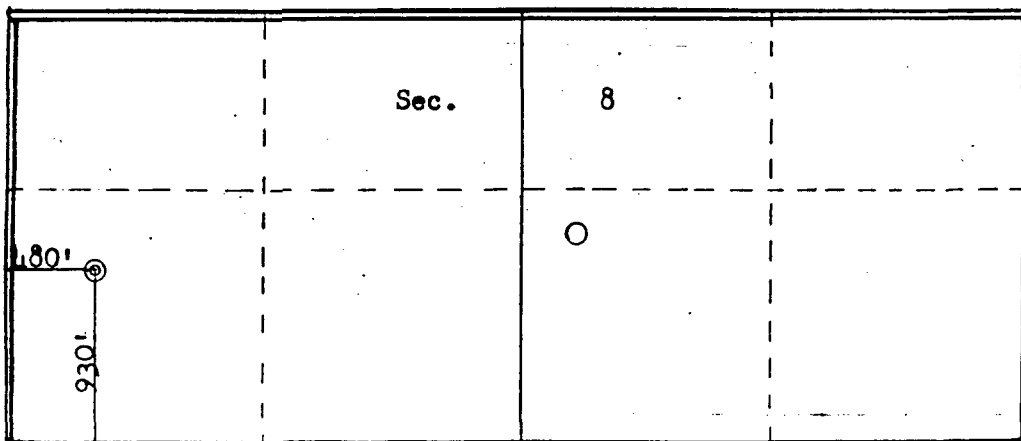
Date

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

November 8, 1984Registered Professional Engineer
and Land Surveyor

Fred B. Kerr Jr.
Fred B. Kerr Jr.

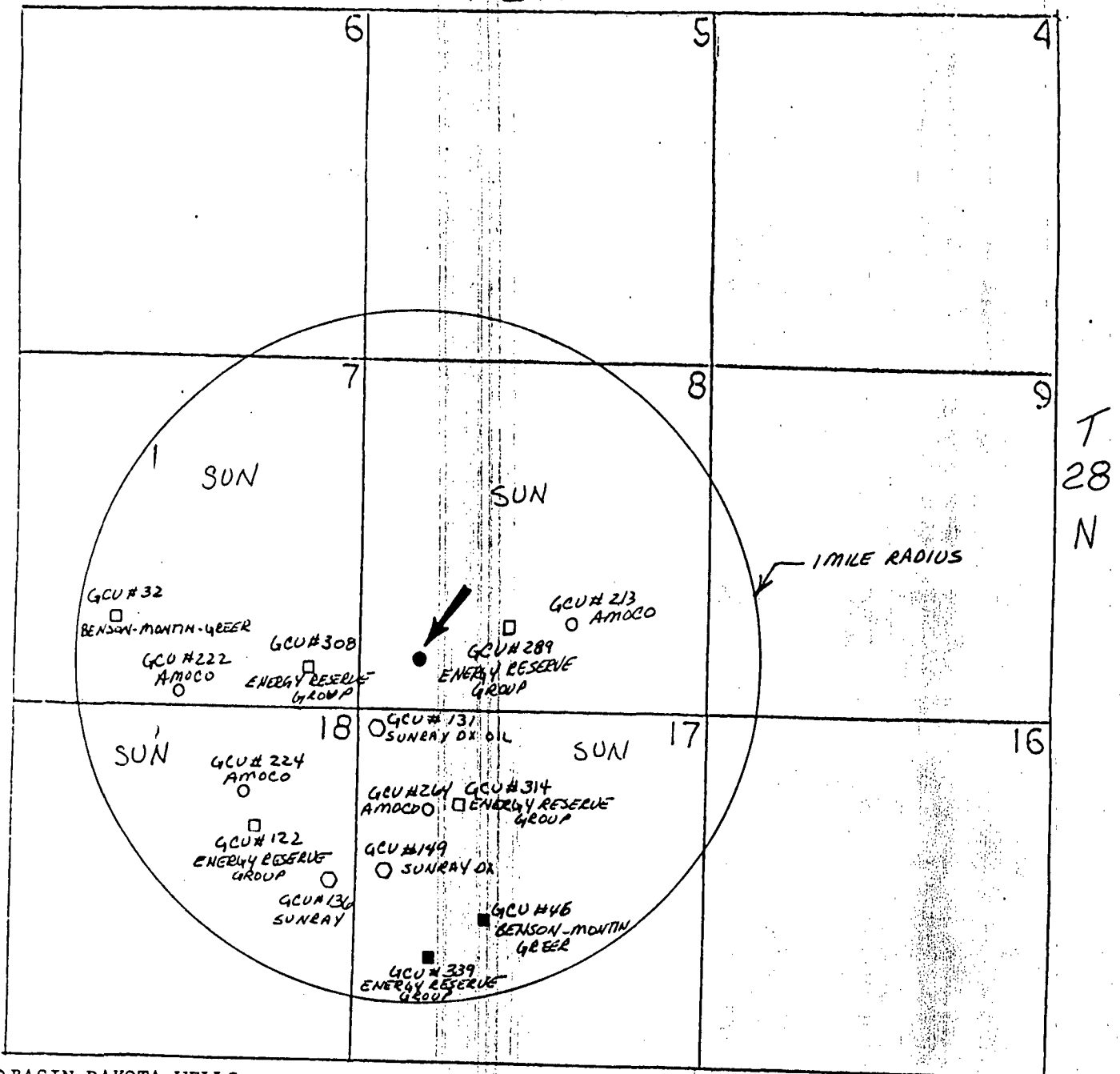
Certificate No. **3950**

Scale: 1"=1000'

EXHIBIT C

GALLEGOS CANYON UNIT #213E

R12W



- BASIN DAKOTA WELLS
- KUTZ PICTURED CLIFF WELLS
- TOTAH GALLUP WELLS
- DRILLED AND ABANDONED WELLS
- PROPOSED WELL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

070 FARMINGTON, NM

1. Type of Well

☐ OIL WELL ☒ GAS WELL ☐ OTHER

2. Name of Operator

Amoco Production Company

Mary Corley

3. Address and Telephone No.

P.O. Box 3092 Houston, TX 77253

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1450' FSL 2370' FEL Sec. 8 T28N R12W Unit J

5. Lease Designation and Serial No.

SF - 078109

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Gallagos Canyon Unit
213

9. API Well No.

30-045-11618

10. Field and Pool, or Exploratory Area

Basin Fruitland Coal

11. County or Parish, State

San Juan New Mexico

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

- ☐ Abandonment
☒ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Amoco Production Company request permission to recomplete the subject well as follows:

1. Check anchors. MIRUSU.
2. Check and record tubing, casing and bradenhead pressures.
3. Blow down wellhead, kill if necessary.
4. Nipple down wellhead, nipple up and pressure test BOP.
5. TOH with tubing.
6. PXA Dakota. Set CIBP within 50' of top Dakota perf. Spot 150' cmt plug on top of CIBP.
7. Log Fruitland Coal interval with CBL/GR/CCL to insure zonal isolation across FC.
8. Set CIBP approximately 150' below bottom of proposed perforations. This plug is intended to be temporary and will be drilled out prior to permanent wellbore abandonment operations.
9. Perforate the following interval with 4JSPF, 120 deg. phasing: FRLD 1511-20', 1522-28', 1532-38'.
10. Fracture stimulate down casing according to schedule 'A'.
11. CO to PBTD.
12. TIH with 2 3/8" tbg, rods, and pump. Land 1 joint below perfs if possible.
13. RDMO. Hook up to pumping unit and well head compressor.

14. I hereby certify that the foregoing is true and correct

Signed

Mary Corley

Title Sr. Regulatory Analyst

Date 03/22/00

(This space for Federal or State office use)

Approved by

/s/ Charlie Beecham

Title

Date

MAR 31 2000

Conditions of approval, if any:

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

311 South First., Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department**OIL CONSERVATION DIVISION**2040 South Pacheco
Santa Fe, New Mexico 87505

Form C-102

Revised October 18, 1994

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

200 MAR 23 AM 10:40

070 FARMINGTON, NM

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-11618	Pool Code 71629	Pool Name Basin Fruitland Coal
Property Code 000570	Property Name Gallegos Canyon Unit	Well Number 213
OGRID No. 000778	Operator Name AMOCO PRODUCTION COMPANY	Elevation 5676'

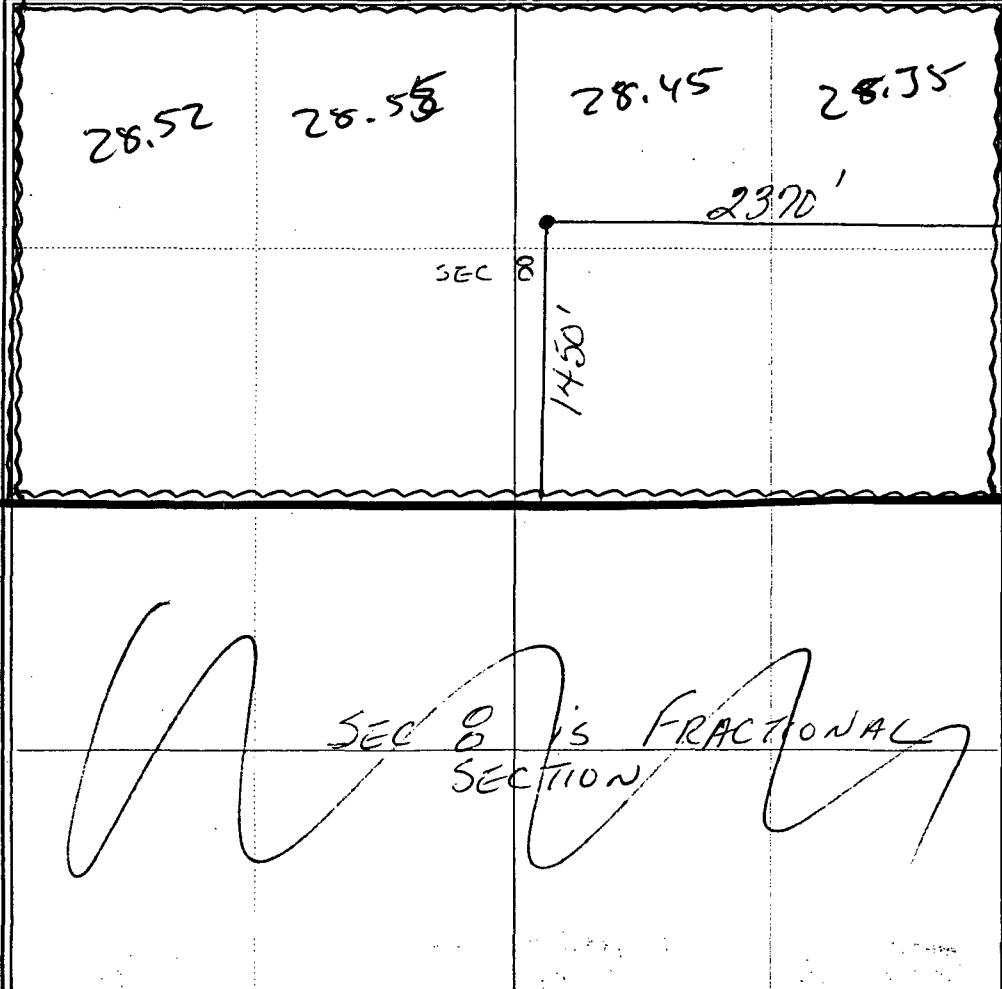
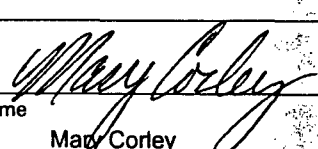
Surface Location

UL or lot no. UNIT J	Section 8	Township 28N	Range 12W	Lot. Idn	Feet from the 1450'	North/South Line SOUTH	Feet from the 2370'	East/West Line EAST	County San Juan
-------------------------	--------------	-----------------	--------------	----------	------------------------	---------------------------	------------------------	------------------------	--------------------

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
Dedicated Acreage: 320 277.85		Joint or Infill	Consolidation Code		Order No.				

**NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION**

	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature  Printed Name Mary Corley Position Sr. Regulatory Analyst Date 02/22/2000
	SURVEY CERTIFICATION 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. 12/24/1965 Date of Survey Signature & Seal of Professional Surveyor Certificate No. 3602

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer DD, Artesia, NM 88211-0719

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources
Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

OIL CONSERVATION DIVISION
RECEIVED
SEP 24 1995

98566601
Form C-104
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

SEP 24 1995 8 52 AM AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address AMOCO PRODUCTION COMPANY 200 AMOCO COURT FARMINGTON, NM 87401		² OGRID Number 000778
		³ Reason for Filing Code CO
⁴ API Number 300451161800	⁵ Pool Name BASIN-DAKOTA-GAS	⁶ Pool Code 071599
⁷ Property Code 000570	⁸ Property Name GALLEGOS CANYON UNIT /DAKOTA/	⁹ Well Number 213

II. ¹⁰Surface Location

UI or lot no. J	Section 0008	Township 028	Range 012	Lot.Idn	Feet from the 1450	North/South Line S	Feet from the 2370	East/West Line E	County SAN JUAN
--------------------	-----------------	-----------------	--------------	---------	-----------------------	-----------------------	-----------------------	---------------------	-----------------------

¹¹Bottom Hole Location

UI or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
¹² Lse Code F	¹³ Producing Method Code		¹⁴ Gas Connection Date		¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
9018	GIANT REFINING BOX 12999 SCOTTSDALE AZ 85267	0178310	O	
7057	EPNG P.O. BOX 4990 FARMINGTON NM 87499	0178330	G	

IV. Produced Water

²³ POD	²⁴ POD ULSTR Location and Description

V. Well Completion Data

²⁵ Spud Date	²⁶ Ready Date	²⁷ TD	²⁸ PBTD	²⁹ Perforations
³⁰ Hole Size	³¹ Casing & Tubing Size	³² Depth Set	³³ Sacks Cement	

VI. Well Test Data

³⁴ Date New Oil	³⁵ Gas Delivery Date	³⁶ Test Date	³⁷ Test Length	³⁸ Tbg. Pressure	³⁹ Csg. Pressure
⁴⁰ Choke Size	⁴¹ Oil	⁴² Water	⁴³ Gas	⁴⁴ AOF	⁴⁵ Test Method
⁴⁶ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: J. P. Shaheen Printed Name: J. P. SHAHEEN Title: SENIOR BUSINESS ANALYST Date: 9/27/95			OIL CONSERVATION DIVISION Approved by: <i>J.P.S.</i> Title: SUPERVISOR DISTRICT #3 Approval Date: SEP 27 1995 Phone: (505) 326-9413		

Submit 5 Copies
Appropriate District Office
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Urazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-104
Revised 1-1-89
See Instructions
at Bottom of Page

REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

Operator <u>Amoco Production Co.</u>		Well API No.
Address <u>2325 E. 30th Street, Farmington NM 87401</u>		
Reason(s) for Filing (Check proper box) New Well <input type="checkbox"/> Other (Please explain) <input type="checkbox"/> Recompletion <input type="checkbox"/> Change In Transporter of: Change In Operator <input type="checkbox"/> Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/> Effective <u>4-1-89</u> Casinghead Gas <input type="checkbox"/> Condensate <input checked="" type="checkbox"/>		
If change of operator give name and address of previous operator		

OIL CONSERVATION DIV.
SANTA FE

II. DESCRIPTION OF WELL AND LEASE

Lease Name <u>Gallegos Canyon Unit</u>	Well No. <u>213</u>	Pool Name, Including Formation <u>Basin Dakota</u>	Kind of Lease State, Federal or Fee	Lease No. <u>92000844</u>
Location Unit Letter <u>J</u> : <u>1450</u> Feet From The <u>S</u> Line and <u>2120</u> Feet From The <u>E</u> Line Section <u>8</u> Township <u>28 N</u> Range <u>12 W</u> , NMPM, <u>San Juan</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> <u>Meridian Oil Inc.</u>	Address (Give address to which approved copy of this form is to be sent) <u>P.O. Box 4289, Farmington NM 87499</u>	
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> <u>El Paso Natural Gas Co.</u>	Address (Give address to which approved copy of this form is to be sent) <u>Caller Service 4990, Farmington NM 87499</u>	
If well produces oil or liquids, give location of tanks.	Unit <u>J</u>	Sec. <u>8</u>
	Twp. <u>28 N</u>	Rge. <u>12 W</u>

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Dif Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - bbls.	Water - bbls.	Gas - MCF

OIL CON. DIV.
DIST. 3

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	bbls. Condensate/MCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

B.D. Shaw
Signature
B.D. Shaw
Printed Name
APR 17 1989
Date
(505) 325-8841
Telephone No.
Adm. Supv
Title

OIL CONSERVATION DIVISION

Date Approved APR 17 1989

By 3rd. Shaw
SUPERVISION DISTRICT # 3

Title _____

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

SF-078109

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or to test a well to different purposes.
Use "APPLICATION FOR PERMIT..." for such proposals.)

SEP 27 1985

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Amoco Production Co.

3. ADDRESS OF OPERATOR

501 Airport Drive, Farmington, N M 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

1450' FSL x 2370' FEL

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

7. UNIT AGREEMENT NAME

Gallegos Canyon Unit

8. FARM OR LEASE NAME

9. WELL NO.

213

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

NW/NE Sec 8, T28N, R12W

14. PERMIT NO.

15. ELEVATIONS (Show whether OF, RT, GR, etc.)

5676' GR

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Moved in and rigged up service unit on 8-15-85. Total depth of the well is 6244' and plugback depth is 6213'. Cleaned out 10' of sand fill to 6213'. Pressure tested casing to 1000 psi. Landed 2" x 1 1/2" x 16' pump and rods. Released the rig on 8-20-85.

RECEIVED

OCT 08 1985

OIL CON. DIV.
DIST. 3

I hereby certify that the foregoing is true and correct

SIGNED ED Lawson

TITLE District Adm. Supervisor

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

DATE

FARMINGTON RESOURCE AREA

BY Sm

*See Instructions on Reverse Side

NMOCC

18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT-" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SF-078109
2. NAME OF OPERATOR Amoco Production Co.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 501 Airport Drive, Farmington, N M 87401		7. UNIT AGREEMENT NAME Gallegos Canyon Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1450' FSL x 2370' FEL 2120		8. FARM OR LEASE NAME
14. PERMIT NO.		9. WELL NO. 213
15. ELEVATIONS (Show whether DT, RT, GR, etc.) 5676' GR		10. FIELD AND POOL, OR WILDCAT Basin Dakota
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW/NE Sec 8, T28N, R12E
		12. COUNTY OR PARISH San Juan
		13. STATE NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. BASIS OF DESIGN OR COMPLETION OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work).*

Amoco Production Co. requests permission to repair the above referenced well according to the attached procedure.

RECEIVED
JUL 25 1985
OIL CON. DIV.
DIST. 3

18. I hereby certify that the foregoing is true and correct

SIGNED D. D. Larson TITLE Adm. Supervisor

(This space for Federal or State office use)

APPROVED BY ds TITLE
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

APPROVED	
DATE <u>7-16-85</u>	
JUL 22 1985	
DATE <u>John S. Kelly</u>	
For AREA MANAGER FARMINGTON RESOURCE AREA	

FARMINGTON DISTRICT WORKOVER

DATE: 7/8/85

OPERATIONS TO BE PERFORMED: (CIRCLE ONE)

RECOMPLETION REPAIR SERVICE

LEASE AND WELL GCU #213

FIELD Basin Dakota

FORMATION Dakota

LOGS Induction Log

LOCATION SE 1/4, Sec 8, T28N, R12W

San Juan County, NM

COMP. DATE 3/66

EL: 5688' KB

TO: 6244'

PBD: 6213'

CSG: 4 1/2" 10.5"

@ 6244': 8 5/8" 24.0"

358'

COMP. INT. 6066-6/68

ORIG. STIM. 81,640 gal x 80,000'

IF 3849 MCFD

CURRENT PROD. INT. Same

PURPOSE: Repair Casing Leak

DB
100
100

100

100
100

8

PERMITTING DESK

ENGR

ONE F42 JT

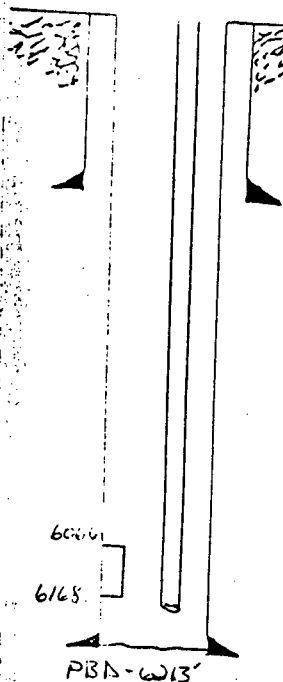
100 50M
100 TWE

100
100

Note: Work well hot! Formation is sensitive to water.

WELLBORE SKETCH

PROCEDURE



1. MURUSU.
2. TOH with rods and pump. PU 2-3/8" tbg and tag fill. TOH with 2-3/8" tbg.
3. TIH with BP, packer and 2-3/8" tbg. Set BP at 6000'. Load hole with 2% KCl. Set packer at 5950'. Pressure test BP and tubing to 1000 psi. Pressure test backside to 1000 psi. If casing will not hold pressure, locate hole with packer. Hole will probably be at 3100-4300'. Squeeze with 50 sx Class B.
4. Drill out cement and pressure test squeeze to 1000 psi. Retrieve BP at 6000'. TIH with tbg. TIH with pump and rods. Land tbg, pump, and rods where they were landed before.

DISTRICT MANAGER

DISTRICT ENGINEER

DISTRICT FOREMAN

ENGINEER

DATE

ENGSP

ENG-40

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	7. UNIT AGREEMENT NAME Gallegos Canyon Unit
2. NAME OF OPERATOR Amoco Production Co.	8. FARM OR LEASE NAME
3. ADDRESS OF OPERATOR 501 Airport Drive, Farmington, N.M. 87401	9. WELL NO. 213
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1450' FSL x 2370' FEL	10. FIELD AND POOL, OR WILDCAT Basin Dakota
14. PERMIT NO.	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW/NE Sec 8, T28N, R12
15. ELEVATIONS (Show whether of Sec. 8, T28N, R12) 5676' GR	12. COUNTY OR PARISH San Juan
	13. STATE NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

X

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Moved in and rigged up service unit on 3/21/85. Total depth of the well is 6244' and plugback depth is 6213'. Cleaned out hole to plugback depth with nitrogen. Had 61 feet of sand fill. Landed 2-3/8" tubing at 6156' and released the rig on 3/25/85.

RECEIVED

APR 26 1985

OIL CON. DIV.
DIST. 3

18. I hereby certify that the foregoing is true and correct

SIGNED

B. Shaw

TITLE

Adm. Supervisor

DATE

4/22/85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

APR 23 1985

FARMINGTON RESOURCE AREA

BY

*See Instructions on Reverse Side
NMOCC

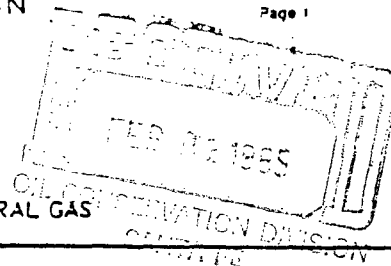
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ENERGY AND MINERALS DEPARTMENT

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

Form C-104
Revised 10-01-78
Format 08-01-83
Page 1

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS



I. Operator
Amoco Production Company

Address
501 Airport Drive Farmington, NM 87401

Reason(s) for filing (Check proper box)

<input type="checkbox"/> New Well	Change in Transporter of:	<input type="checkbox"/> Dry Gas
<input type="checkbox"/> Recompletion	<input type="checkbox"/> Oil	<input checked="" type="checkbox"/> Condensate
<input type="checkbox"/> Change in Ownership	<input type="checkbox"/> Coastinghead Gas	

Other (Please explain)

If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Gallegos Canyon Unit	Well No. 213	Pool Name, including Formation Basin Dakota	Kind of Lease State, Federal or Fee Federal	Lease No. 92000844
Location				
Unit Letter <u>J</u> : <u>1450</u> Feet From The <u>South</u> Line and <u>2120</u> Feet From The <u>East</u>				
Line of Section <u>8</u> Township <u>28N</u> Range <u>12W</u> , NMPM, <u>San Juan</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Permian Corp.	P. O. Box 1702 Farmington, NM 87499
Name of Authorized Transporter of Coastinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas Company	P. O. Box 990 Farmington, NM 87401
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
	<u>J</u> <u>8</u> <u>28N</u> <u>12W</u>

If this production is commingled with that from any other lease or pool, give commingling order number:

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

Admin. Supervisor

1-2-85

RECEIVED
JAN 03 1985
OIL CON. DIV.
DIST. 3

OIL CONSERVATION DIVISION

APPROVED JAN 3 1985
BY [Signature]
TITLE SUPERVISOR DISTRICT 3

This form is to be filed in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.
All sections of this form must be filled out completely for allowable on new and recompleted wells.
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.
Separate Forms C-104 must be filed for each pool in multiply completed wells.

NO. OF COPIES RECEIVED		3
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U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	/
	GAS	/
OPERATOR		
PRORATION OFFICE		

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

Eff. 2-1-71,
Pan American Petro. Corp.
has changed its name to
AMOCO PROD. CO.

I.

Operator		PAN AMERICAN PETROLEUM CORPORATION	
Address			
Security Life Building - Denver, Colorado 80202			
Reason(s) for filing (Check proper box)		Other (Please explain)	
New Well	<input checked="" type="checkbox"/>	Change in Transporter of:	
Recompletion	<input type="checkbox"/>	Oil	<input type="checkbox"/>
Change in Ownership	<input type="checkbox"/>	Casinghead Gas	<input type="checkbox"/>
		Dry Gas	<input type="checkbox"/>
		Condensate	<input type="checkbox"/>

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Lease No.	Well No.	Pool Name, Including Formation	Kind of Lease
Gallegos Canyon Unit		213	Basin Dakota	State, Federal or Fee Federal
Location				
Unit Letter	J	1450	Feet From The South	Line and 2370
Line of Section		8	Township	28N
Range		12W	San Juan	
County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil	<input type="checkbox"/>	or Condensate	<input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Plateau Inc.				Box 108, Farmington, New Mexico
Name of Authorized Transporter of Casinghead Gas	<input type="checkbox"/>	or Dry Gas	<input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas Co.				Box 990, Farmington, New Mexico
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.
		8	28N	12W
Is gas actually connected?	When			
No				

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X					
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
1/29/66	2/23/66	6244	6213					
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
5688 RDB, 5676 GR	Dakota	6066	6098					
Perforations	Depth Casing Shoe							
6066-6078, 6138-6148, 6158-6168	6244							
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
12 1/4"	8 5/8"		358		200 sacks			
7 7/8"	4 1/2"		6244		1500 sacks			
	2 3/8"		6098					

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
3261	3 hrs		
Testing Method (pitot, back pr.)	Tubing Pressure	Casing Pressure	Choke Size
Back Pressure	264	875	3/4"

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

OIL CONSERVATION COMMISSION

APPROVED MAR 14 1966, 19

BY

TITLE Supervisor Dist. #3

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

Administrative Assistant

March 8, 1966

(Date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/>		10. FIELD AND POOL, OR WILDCAT Basin Dakota	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG-BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <input type="checkbox"/>		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 8 T28N, R12W	
2. NAME OF OPERATOR PAN AMERICAN PETROLEUM CORPORATION		12. COUNTY OR PARISH San Juan	
3. ADDRESS OF OPERATOR Security Life Building - Denver, Colorado		13. STATE New Mexico	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1450 FSL. 2370 FEL Sec 8 NW-NE At top prod. interval reported below: At total depth		14. PERMIT NO. DATE ISSUED U. S. GEOLOGICAL SURVEY WASHINGTON, N. M.	
15. DATE SPUEDDED 1/29/66	16. DATE T.D. REACHED 2/6/66	17. DATE COMPL. (Ready to prod.) 2/23/66	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5688 RDB, 5676 GR
19. ELEV. CASINGHEAD -	20. TOTAL DEPTH, MD & TVD 6244		
21. PLUG, BACK T.D., MD & TVD 6213		22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY Rotary Tools Surface - 6244
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 6066-6078, 6138-6148, 6158-6168 Dakota			25. WAS DIRECTIONAL SURVEY MADE No
26. TYPE ELECTRIC AND OTHER LOGS RUN IES, GRS			27. WAS WELL CORED No
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8 5/8"	24#	358	12 1/4"
4 1/2"	10.5#	6244	7 7/8"
		CEMENTING RECORD	
		200 sacks	
		500 sacks - 1st stage	
		1000 sacks - 2nd stage	
		stage tool at 4361	
		AMOUNT PULLED	
		None	
		None	
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
			SCREEN (MD)
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2 3/8"	6098		
31. PERFORATION RECORD (Interval, size and number)			
6066-72, 6138-48, 6158-68 with 4 shots/ft.			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
6138-6168		500 gal 7 1/2% acid	
		5000 gal sand	
6066-6078		30,000 sand	
33. PRODUCTION			
DATE FIRST PRODUCTION 2/23/66		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing	
DATE OF TEST 3/2/66		WELL STATUS (Producing or shut-in) shut-in	
HOURS TESTED 3	CHOKE SIZE 3/4	PROD'N. FOR TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO	
3261	408		
FLOW. TUBING PRESS. 264	CASING PRESSURE 875	CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) to be sold to El Paso Natural Gas Co.		TEST WITNESSED BY MAR 15 1966 OIL CON. COM. DIST. 3	
35. LIST OF ATTACHMENTS			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
ORIGINAL SIGNED BY D. I. TOLLEFSON		TITLE Administrative Assistant	
SIGNED D. I. Tollefson		DATE March 8, 1966	

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 28, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (bitlogs, geologists' sample and core analysis, all types electric logs, formation and pressure logs, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 28.

Item 2: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 1a: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 22. Submit a separate report (pages) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 23: "Seal Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

CCU #213

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORREL. INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL, TESTER, CUSHION USH, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECORDS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	LOG TOP	LOG BOTTOM
No DST's taken on this well							
Supplementary well history							
Drilled to 358. cemented 8 5/8" 24# casing at 358 with 200 sacks type "A" with 2% cacl. Drilled to TD 6244. Set 4 1/2" 10.5# casing at 6244 with stage tool at 4361. Cemented with 400 sacks type "C" with 6% gel and 2 lbs tuf plug per sack followed by 100 sacks "C" neat. Cemented second stage with 1000 sacks type "C" with 6% gel and 2 lbs tuf plug per sack. Temperature survey indicated cement top at 800'. Displaced casing with water containing .8% KCL with 2 1/2 lbs FR-8 per 1000 gal. Spotted 500 gal 7 1/2% acid. Perforated 6158-68 and 6138-48 with 4 shots/ft. Fraced with 49030 gal water treated as above with 40,000 lbs 20-40 sand and 10,000 lbs 10-20 sand. Breakdown pressure 1900. Treating pressure 2900 at 71 Bbls/min. Injected 50 ball sealers in two batches of 25 each with no action on first 25 and 250 PSI increase on last 25. Set bridge plug at 6110. Perforated 6066-78 with 4 shots/ft. Fraced with 32,610 gal water treated as above with 20,000 lbs 20-40 sand and 10,000 lbs 10-20 sand. Breakdown pressure 3100. Treating pressure 3500 at 50 Bbls/min. Drilled out and cleaned out to RBD 6213. on 3/2/66 well flowed at rate of 3261 MCF/day through a 3/4" choke. TPF 264. CPF 875.				Log tops Pictured Cliffs Lewis Shale Mesaverde Mancos Gallup Base Gallup Greenhorn Greenhorn Shale Greenhorn Dakota Main Dakota TD	1530 1352 3290 4250 5188 5600 5747 6078 6092 6137 6244		

MAIN OFFICE OCC

'66 MAY 26 PM 1 11

OIL CONSERVATION COMMISSION

BOX 697

120 EAST CHACO

AZTEC, NEW MEXICO

NOTICE OF GAS CONNECTION

DATE May 24, 1966

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF GAS FROM

THE Pan American Petroleum Corporation
OPERATORGallegos Canyon Unit #213
LEASE"J"
WELL UNIT8-28-12
S-T-RBasin Dakota
POOLEl Paso Natural Gas Company
NAME OF PURCHASERWAS MADE ON May 13, 1966
DATE, FIRST DELIVERY May 17, 1966
DATEChoke 3,261
AOF 3,849
INITIAL POTENTIALEl Paso Natural Gas Company
PURCHASER

Original Signed By W. M. Rodgers

REPRESENTATIVE

Chief Dispatcher
TITLECC: TO OPERATOR Denver and Farmington
OIL CONSERVATION COMMISSION - SANTA FE
F. N. WOODRUFF - EL PASO
B. D. ADAMS.

FILE

5-26-66-ig

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

PAN AMERICAN PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR

P. O. Box 480, Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1450' FSL and 2120' FEL

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

5 miles southeast of Farmington, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

800'

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

None

16. NO. OF ACRES IN LEASE

43,146.62

19. PROPOSED DEPTH

6400'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

354.12

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

To be reported later

22. APPROX. DATE WORK WILL START*

January 4, 1966

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	350'	200 sacks
7-7/8"	4-1/2"	10.5#	6400'	1500 sacks (Two stage tool set 100' below base of Mesaverde)

Completion will be determined upon reaching total depth.

Copies of location plat are attached. (Non-Standard Unit - Approved by NMOC Order

No. R-1814 (November 4, 1960)

Copies of any logs run will be furnished upon completion of well.

Verbally approved December 29, 1965, R. B. Krah1 to F. H. Hollingsworth.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

G. W. Eaton, Jr.

Area Engineer

December 29, 1965

SIGNED

G. W. Eaton, Jr.

TITLE

DATE

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side.

Corrected copy

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-123
Effective 1-1-65

All distances must be from the outer boundaries of the Section

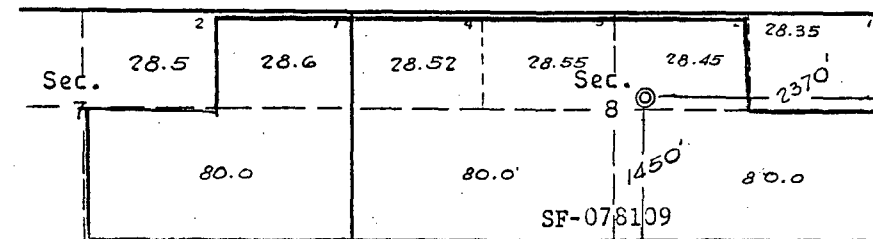
Operator Pan American Petroleum Corporation			Lease MAIN OFFICE OCC			Well No. 213		
Unit Letter J			Section 8			Township 28 North		
Range JAN 2 West			County AM 8:22 San Juan					
Actual Footage Location of Well: 1450 feet from the South line and 2370 feet from the East line								
Ground Level Elev. Report Later			Producing Formation Dakota			Pool Basin Dakota		
			Dedicated Acreage 354.12			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

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.



Fractional sections: All of sec. 8
and $E\frac{1}{2}$ of sec. 7, T-28-N, R-12-W

SCALE, 3 inches = 1 mile

*4 of R-1814
I (6)*



CERTIFICATION

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

G. W. Eaton, Jr.
Name
G. W. Eaton, Jr.
Position
Area Engineer
Company
PAN AMERICAN PETROLEUM CORP.
Date
January 3, 1966

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.

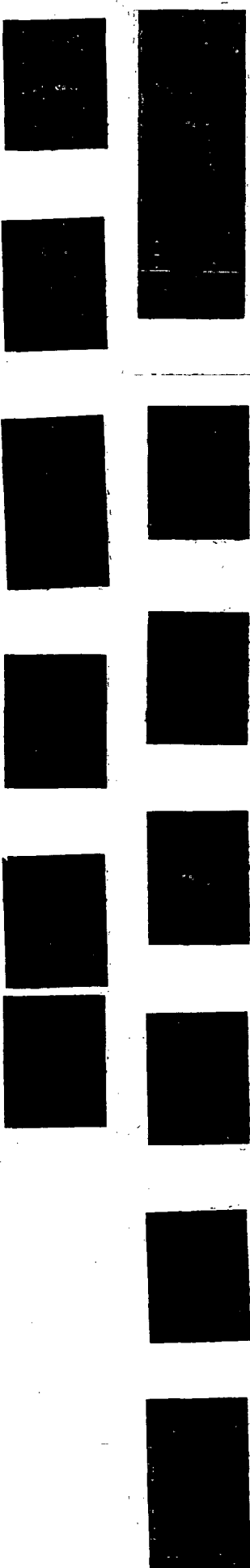
Date Surveyed
December 24, 1965
Registered Professional Engineer and/or Land Surveyor
C. H. Edwards
Certificate No. **3602**

Petroleum Information
Corporation
GEO-FICHE™

28N-12W-08-10 (NW SE)
NEW MEXICO NM

WELL: GALLEGOS CANYON U 213
OPER: PAN AMERICAN
CNTY: SAN JUAN

API: 30-045-11618
ISSUE: A07/86
CARD: 1



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT" for such proposals

RECEIVED
BLM

99 MAY 24 PM 12:57

070 FARMINGTON, NM

RECEIVED
MAY 29 1999

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
AMOCO PRODUCTION COMPANY
OIL CORP. DIV. DIST. 3
Attention: Mary Corley

3. Address and Telephone No.
P.O. BOX 3092 HOUSTON, TX 77253
281-366-4491

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
930' FSL 480' FWL Sec. 8 T 28N R 12W UNIT M

5. Lease Designation and Serial No.

NMSF-078109

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

GALLEGOS CANYON UNIT 213E

9. API Well No.

30-045-26305

10. Field and Pool, or Exploratory Area

BASIN FRUITLAND COAL

11. County or Parish, State

San Juan New Mexico

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

- ☐ Abandonment
☒ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

AMOCO PRODUCTION COMPANY REQUESTS PERMISSION TO RECOMPLETE THIS WELL FROM THE BASIN DAKOTA TO THE BASIN FRUITLAND COAL GAS AS PER THE ATTACHED PROCEDURE.

FOR TECHNICAL INFORMATION PLEASE CALL JOHN PAPAGEORGE @ 281-366-5721. FOR ADMINISTRATIVE ASSISTANCE PLEASE CONTACT MARY CORLEY @ 281-366-4491.

14. I hereby certify that the foregoing is true and correct

Signed

Mary Corley

Title

SR. BUSINESS ANALYST

Date

05-21-1999

(This space for Federal or State office use)

/s/ Duane W. Spencer

Team Lead, Petroleum Management

Approved by

Title

Date

MAY 26 1999

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

* See Instructions on Reverse

AMOCO

GCU Well Work Procedure

GCU 213E

Date: 5/4/99

Objective:

Recomplete from Dakota to Fruitland Coal

Pertinent Information:

Location: SW8-28N-12W
County: San Juan
State: New Mexico
Lease:
Well Flac: 84650901

Horizon: Dak to FC
API #: 30-045-26305
Engr: John Papageorge
Phone: W (281)366-5721
H (713)464-5053

1. Check anchors. MIRUSU.
2. Check and record tubing, casing and bradenhead pressures.
3. Blow down wellhead, kill if necessary.
4. Nipple down wellhead, nipple up and pressure test BOP.
5. TOH with tubing.
6. PXA Dakota. Set CIPB within 50' of top Dakota perf. Spot 150' cmt plug on top of CIBP.
7. Log Fruitland Coal interval with CBL/GR/CCL to insure zonal isolation across FC.
8. Perforate the following interval with 4JSPF, 120 deg. phasing: FRLD 1444-1459. Basal stringer at 1466-1470 on top of PC sand will not be perforated to ensure effective frac in FRLD.
9. Fracture stimulate down casing according to schedule 'A'.
10. CO to PBTD.
11. TIH with 2 3/8" tbg, rods, and pump. Land 1 joint below perms if possible.
12. RDMO. Hook up to pumping unit and well head compressor.

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

311 South First., Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION2040 South Pacheco
Santa Fe, New Mexico 87505

Form C-102

Revised October 18, 1994

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

RECEIVED
BLM

99 MAY 24 PM 12:57

WELL LOCATION AND ACREAGE DEDICATION PLAT

070 FARMINGTON, NM

API Number 30-045-26305	Pool Code 71629	Pool Name BASIN FRUITLAND COAL
Property Code 000570	Property Name GALLEGOS CANYON UNIT	Well Number 213E
OGRID No. 000778	Operator Name AMOCO PRODUCTION COMPANY	Elevation 5654'

Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
UNIT M	8	28N	12W		930	SOUTH	480	WEST	San Juan

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
Dedicated Acreage: 273.87		Joint or Infill		Consolidation Code		Order No.			

**NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION**

	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.
	Signature: <i>Mary Corley</i> Printed Name: MARY CORLEY
	Position: SR. BUSINESS ANALYST
	Date: 05/21/1999
	SURVEY CERTIFICATION 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 of Survey: 02/08/1985
	Signature & Seal of Professional Surveyor: FRED B. KERR, JR
	Certificate No.: 3950

HOLD C104 FOR NSL (S)

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Hold C-104 for N 52 (2)
Form C-102
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies
RECEIVED
'96 DE 27 AM 8:52
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 3004526305		2 Pool Code 71629		3 Pool Name Basin Fruitland Coal		
4 Property Code 000570		5 Property Name Gallegos Canyon Unit			6 Well Number 213E	
7 OGRID No. 000778		8 Operator Name Amoco Production Company			9 Elevation 5654	

10 Surface Location

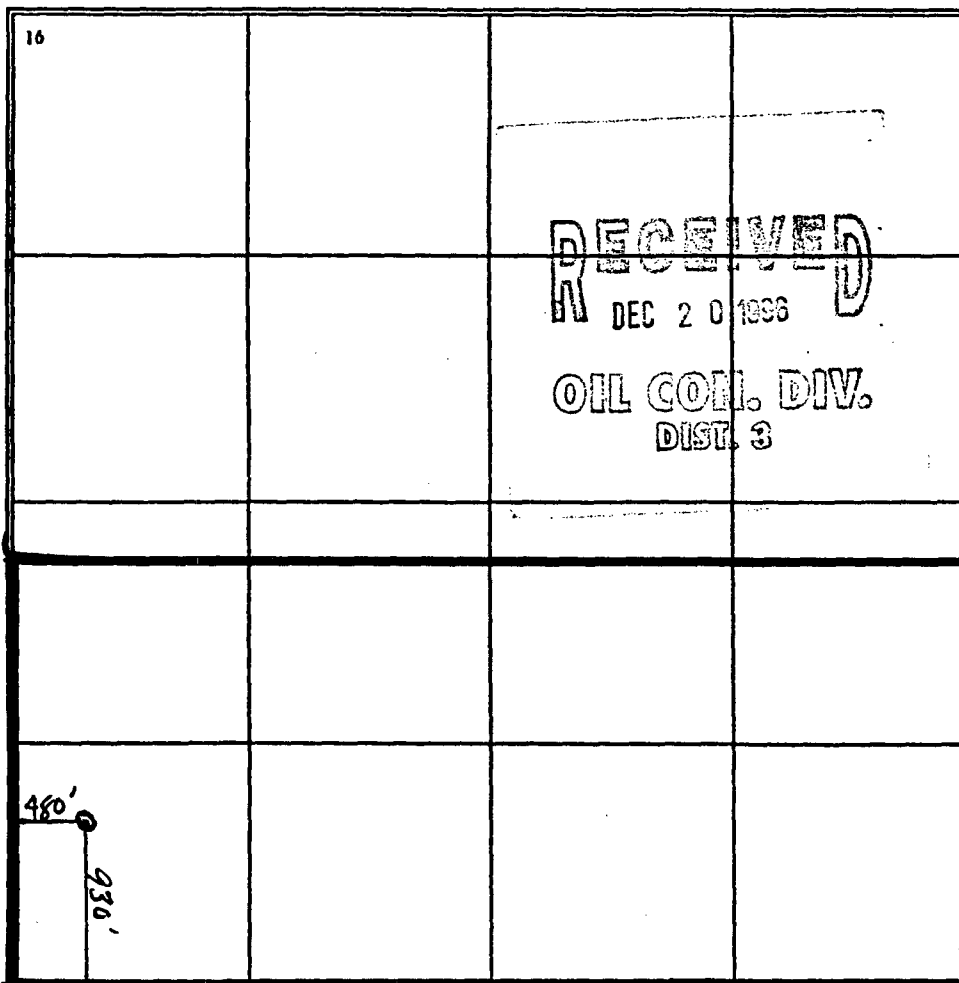
UL or lot no. M	Section 8	Township 28N	Range 12W	Lot Idn	Feet from the 930	North/South line South	Feet from the 480	East/West line West	County San Juan
--------------------	--------------	-----------------	--------------	---------	----------------------	---------------------------	----------------------	------------------------	--------------------

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
---------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

12 Dedicated Acres 273.87	13 Joint or Infill	14 Consolidation Code	15 Order No.
------------------------------	--------------------	-----------------------	--------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16				17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature <u>Nancy I. Whitaker</u> Printed Name <u>Nancy I. Whitaker</u> Title <u>Staff Assistant</u> Date <u>12-19-96</u>	
				18 SURVEYOR CERTIFICATION 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 belief. Date of Survey <u>2-8-85</u> Signature and Seal of Professional Surveyer: On File 3950 Certificate Number	

June 1990) DIVISION
RECEIVEDUNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
Budget Bureau No. 1004-0135

Expires: March 31, 1993

SUNDRY NOTICES AND REPORT ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT" - for such proposals.

070 FARMINGTON, NM

1. Type of Well

☐ Oil Well☒ Gas Well☐ Other

2. Name of Operator

Attention:

Amoco Production Company

Patty Haeefe

3. Address and Telephone No.

P.O. Box 800, Denver, Colorado 80201

(303) 830-4988

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

930' FSL & 480' FWL

Section 8

T28N

R12W

Unit M

8. Well Name and No.

Gallegos Canyon Unit 213E

9. API Well No.

3004526305

10. Field and Pool, or Exploratory Area

Basin Fruitland Coal

11. County or Parish, State

San Juan, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment Notice☐ Abandonment☒ Recompletion☐ Plugging Back☐ Casing Repair☐ Altering Casing☒ Other Letter dated 7/18/96☐ Dispose Water☐ Change of Plans☐ New Construction☐ Non-Routine Fracturing☐ Water Shut-off☐ Conversion to Injection

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Amoco Production Company requests permission to recomplete this well to the Fruitland Coal formation and to isolate the Dakota per the attached procedure.

Reference letter dated 7/18/96 and approved plug and abandonment sundry dated February 27, 1995.

RECEIVED
OCT 23 1996OIL CON. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct

Signed

Patty Haeefe

Title

Staff Assistant

APPROVED

Date

09/26/96

(This space for Federal or State office use)

Approved by

Title

Date

OCT 21 1996

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statement or representations as to any matter within its jurisdiction.

DISTRICT MANAGER

* See Instructions on Reverse Side

NMOCD

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
811 South First, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

Hold c-104
For vsl ②
RECEIVED
BLM
96 SEP -9 PM 1:35
070 FARMINGTON, NM

Form C-102
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 3004526305	² Pool Code 71629	³ Pool Name Basin Fruitland Coal
⁴ Property Code 000570	⁵ Property Name Gallegos Canyon Unit	⁶ Well Number 213E
⁷ OGRID No. 000778	⁸ Operator Name Amoco Production Company	⁹ Elevation 5654'

¹⁰ Surface Location

UI or lot no. M	Section 8	Township 28N	Range 12W	Lot.Idn	Feet from the 930	North/South Line South	Feet from the 480	East/West Line West	County San Juan
--------------------	--------------	-----------------	--------------	---------	----------------------	---------------------------	----------------------	------------------------	--------------------

¹¹ Bottom Hole Location If Different From Surface

UI or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
¹² Dedicated Acres 274.87	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order Number						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁶				¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief RECEIVED OCT 23 1996 OIL CON. DIV. DIST. 3	 Patty Haefele Signature Patty Haefele Printed Name Staff Assistant Title 9/5/96 Date
					¹⁸ SURVEYOR CERTIFICATION 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 belief. 2/8/85 Date of Survey Signature and Seal of Professional Surveyer: On File Certificate Number 3950

SJOET Well Work Procedure

GCU #213E

Version: Final
Date: 8/3/96
Budget: Major Cash/Recompletion
Repair Type: Recompletion

Objectives: Stimulate Fruitland Coal

1. Isolate Dakota
2. Stimulate Fruitland Coal
3. Test Coal
4. Put on Production.

Pertinent Information:

Location:	8 - 28N - 12W SW	Horizon:	Basin Fruitland coal
County:	San Juan	API #:	30-045-2630500
State:	New Mexico	Engr:	Yamasaki
Lease:	Federal NMSF-078109	Phone:	H--(303)202-0361
Well Flac:	846509		W-(303)830-5841
			P--(303)553-6437

Economic Information:

APC WI:	55%	FT Anticipated IP:	200 MCFD
Estimated Cost:	\$ 90,000		
Payout:	3 Years		
Max Cost -12 Mo. P.O.	\$		
PV15:	\$ M		
Max Cost PV15:	\$ M		

Note: Economics will be run on all projects that have a payout exceeding ONE year.

Formation Tops: (Estimated formation tops)

Nacimiento:		Menefee:	
Ojo Alamo:		Point Lookout:	
Kirtland Shale:		Mancos Shale:	
Fruitland:	1034	Gallup:	5145
Pictured Cliffs:	1479	Graneros:	
Lewis Shale:		Dakota:	5915
Cliff House:	3234	Morrison:	

Bradenhead Test Information:

Test Date:	Tubing:	Casing:	BH:
Time	BH	CSG	INT
5 min			
10 min			
15 min			

Comments:

GCU 213E

TD = 6270', PBTD = 6120'

Page 2 of 2

1. Check anchors. MIRUSU.
2. Check and record tubing, casing and bradenhead pressures.
3. Blow down wellhead, kill if necessary.
4. Nipple down wellhead, nipple up and pressure test BOP.
5. TOH with 2.375" tubing.
6. Set CIBP at 6000'. *5868' to 5918'*
7. Spot Cement plug to 5800' Note: New PBTD will be 5800'.
8. Load Hole with 2% KCL. RU Wireline Unit with Packoff.
9. Log with CBL/GR/CCL/CNL to insure zonal isolation across Fruitland and to correlate Fruitland. Pressure test casing to 2000#.
10. Perforate the following interval 120 deg. phasing using 3 1/8" HSC ported guns (12.5 GM, .34" EHD, 13.13 TTP, 4 SPF). Correlate with CNL log run above:
Approximate shots: 1450-1470
11. Fracture Stimulate down casing with approximately 75 Mlbs, 70 Qal foam.
12. Shut in well for 2 hours. Flow back until well logs off.
13. Flow test well reporting Gas and Water to Denver
14. TIH with 2 3/8" land at bottom of perforations.
15. Flow well back a rod pump may be needed.
16. Put well on production and make money.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OIL CONSERVATION DIVISION
RECEIVED

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT - " for such proposals

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Designation and Serial No. SF-078109
2. Name of Operator Amoco Production Company		6. If Indian, Allottee or Tribe Name
Attention: Patty Haefele		7. If Unit or CA, Agreement Designation
3. Address and Telephone No. P.O. Box 800, Denver, CO 80201 (303) 830-4988		8. Well Name and No. Gallegos Canyon Unit 213E
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 930' FSL 480' FWL Sec. 8 T 28N R 12W Unit M		9. API Well No. 26305 3004526325
		10. Field and Pool, or Exploratory Area Basin Dakota
		11. County or Parish, State San Juan New Mexico

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent <input type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other Letter dated 2/28/96 <input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Amoco Production Company requests permission to extend the time frame to plug this well to July 1, 1996. Original plug and abandonment notice approved 2/27/95.

Reference: NMSF-078578 et al. (WC) 3162.3-4 (7300) dated 2/28/96.

RECEIVED
MAR 12 1996
OIL CON. DIV.
DIST. 3

RECEIVED
BLM MAIL ROOM
96 MAR -7 PM 1:09
OTO HALLAMINGTON, NM

14. I hereby certify that the foregoing is true and correct
Signed Patty Haefele Title Staff Assistant Date 03-05-1996
(This space for Federal or State office use)

Approved by _____ Title _____ Date **APPROVED**
Conditions of approval, if any: **MAR 08 1996**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OIL CONSERVATION DIVISION
RECEIVED

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT - " for such proposals

5. Lease Designation and Serial No.

SF 078109

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Gallegos C U 213E

9. API Well No.

26305
3004526326

10. Field and Pool, or Exploratory Area

Basin Dakota

11. County or Parish, State

San Juan New Mexico

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

AMOCO PRODUCTION COMPANY

Attention:

Lois Raeburn

3. Address and Telephone No.

P.O. Box 800, Denver, Colorado 80201

(303) 830-5294

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

930 FSL 480FWL Sec. 8 T 28N R 12W

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

- ☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Amoco Production Company request permission to plug and abandon the subject well.

See attached procedures.

RECEIVED
MAR - 6 1995
OIL CON. DIV.
DIST. 3

RECEIVED
MAR 7 1995
OIL CON. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct

Signed

Lois Raeburn

Title

Business Assistant

Date

02-20-1995

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

APPROVED

FEB 27 1995

DISTRICT MANAGER

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

PXA Procedures
Gallegos Canyon Unit 213E

1. Check location for anchors. Install if necessary. Test anchors.
2. MIRUSU. Blow down well. Kill if necessary with fresh water. NDWH. NUBOP.
3. POOH with 2 3/8" tbg. RIH with tbg and cement retainer. Set retainer at 5950'. Test casing integrity to 500#. Squeeze perms at 6018' to 6032' with 34.718 cuft cement. Pull out of retainer and spot 50' cement plug. (4.36 cuft cement)
4. Pull up hole and spot 100' cement plugs across the following locations:

Gallup at 5195'
Mesa Verde at 2973'
Chacra at 2474'
Pictured Cliffs at 1539'? 1519'
Fruitland at 1210'
and 372 to surface to cover the water zones
(est 80.666 cuft cement)

5. NDBOP. Cut off casing and wellhead. Install PXA marker according to BLM or State requirements.
6. Turn over to John Schwartz for reclamation.
7. Rehabilitate location according to BLM or State requirements.

GALLEGOS CANYON UNIT #213E
LOCATION M8-28N-12W
SINGLE DK
ORIG COMPLETION 7/85
LAST FILE UPDATE 10/93 BY CSW

RECEIVED
FILE

95 FEB 22 PM 1:57

BOT OF 8.625 IN OD CSA 322
74 LB/FT K-55 CASING, W/271 SKS
CIR TO SURFACE

070 FARMINGTON, NM

ET AT 1160
EC AT 1489

CH AT 2424

MV AT 2923

DV TOOL @ 3177

GP AT 5145

DK-4SPF PERF 6018-8032
6088-6156

BOT OF 2.375 IN OD TBG AT 6185

PBTD AT 6223 FT.

FILENAME:
D4526308

TOTAL DEPTH 6270 FT.

BOT OF 4.5 IN OD CSA 6265
74 LB/FT K-55 CASING
CIR TO SURFACE

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OIL CONSERVATION DIVISION
RECEIVED

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT - " for such proposals

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Amoco Production Company

Attention:

Lois Raeburn

3. Address and Telephone No.

P.O. Box 800, Denver, Colorado 80201

(303) 830-6003

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

930 FSL

480 FWL

Sec. 8 T 28N R 12W

5. Lease Designation and Serial No.

SF-078109

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Gallegos Canyon Unit 213E

9. API Well No.

Basin Dakota

10. Field and Pool, or Exploratory Area

30045-26305

11. County or Parish, State

San Juan

New Mexico

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

☐ Abandonment
☐ Recompletion
☒ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Amoco Production Company requests your approval to plug back part of the Dakota formation & test well.

See attached procedures.

If you have any questions please contact Lois Raeburn @ (303) 830-5294

RECEIVED
BLM
94 AUG 12 PM 3:04
070 FARMINGTON, NM

RECEIVED
AUG 17 1994
OIL CON. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct

Signed

Lois Raeburn

Title

Business Assistant

Date

08-09-1994

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

APPROVED

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

* See Instructions on Reverse Side

NMOCD

AUG 16 1994
Chip Haraden
for DISTRICT MANAGER

Amoco Production Company

Page 1

Brief Summary Report

Print Date
08/09/94

Business Unit: Southern Rockies **Operation Center:** San Juan
Well Name: GALLEGOS CANYON UNIT /DAKOTA/ **Well Number:** E213M08
API Well Number: 3004526305 **Reason:** Decrease Water
Work Activity: Repair **Work Activity Number:** 59
Final Date: 12/31/99
Status Indicator: Released **Planned Indicator:** Planned
Work Activity Field Estimated Cost: \$9,500 **Currently Assigned To:** ZMHY01
Brief Narrative:

This well has not been produced since initial completion in 1986 because of high liquid influx into the wellbore.
The following procedure attempts to reduce liquids entering the wellbore and determine if economical production exists.

NOTE: If the well can produce 80 MCFD or greater after the plugback , a pipeline can be layed

Horizon Name	Regulatory Field Name
DAKOTA	BASIN-DAKOTA-GAS

Sequence #	Job Type	Job Highlights	Horizon	Job Start Date	Job End Date	Last Update Date
1	CLEAN OUT/PLUGBA6	422 to 6,223 FT.	DAKOTA			8/9/94
2	CLEAN OUT/PLUGBA6	420 to 6,120 FT.	DAKOTA			8/8/94
3	REMOVED/RUN	Lift Revision	DAKOTA			8/8/94
4	TESTING/SWABBING	6,018 to 6,120 FT.	DAKOTA			8/8/94

Amoco Production Company

Page 2

Cleanout / Plugback Report

Print Date
08/09/94

Well Name: GALLEGOS CANYON UNIT /DAKOTA/

Well Number: E213M08

Work Activity Number: 59

Job Start Date:

Primary Service Company Name:

Job End Date:

Job Field Estimated Cost: \$9,500

Cleanout/Plugback Type: Plugback

Cleanout/Plugback Method: (n/a)

Plug Material Used: CIBP

Recovered Material:

Top Depth: 6,122 FT.

Bottom Depth: 6,223 FT.

Tubular/Hole I.D.: 4.500 IN.

Amoco Production Company

Page 3

Cleanout / Plugback Report

Print Date
08/09/94

Well Name: GALLEGOS CANYON UNIT /DAKOTA/

Well Number: E213M08

Work Activity Number: 59

Job Start Date:

Primary Service Company Name:

Job End Date:

Job Field Estimated Cost:

Cleanout/Plugback Type: Plugback

Cleanout/Plugback Method: Dump Bailer

Plug Material Used: Cement

Recovered Material:

Top Depth: 6,120 FT.

Bottom Depth: 6,120 FT.

Tubular/Hole I.D.: IN.

Job Comments:

Bail 2 sx of Cement on top of CIBP

Amoco Production Company

Page 4

Removed/Run Report

Print Date
08/09/94

Well Name: GALLEGOS CANYON UNIT /DAKOTA/ Well Number: E213M08
Work Activity Number: 59
Job Start Date: Primary Service Company Name:
Job End Date: Job Field Estimated Cost:

Removed/Run Job Information

Removed Run Reason Description: Lift Revision Kelly Bushing: FT.
Kill Fluid Description: Lift Revision Description: Other
Kill Fluid Density: PPG

Feet Rmvd	Joins Rmvd	Fail	Equipment Description	Original Status	Run Date	Feet Run	Joins Run	Top Set Depth
100.0	3	*	TBG : 2.375 4.7# J-55 eue ()	*			0	6,085

Amoco Production Company

Page 5

Testing/Swabbing Report

Print Date
08/09/94

Well Name: GALLEGOS CANYON UNIT /DAKOTA/

Well Number: E213M08

Work Activity Number: 59

Job Start Date:

Primary Service Company Name:

Job End Date:

Job Field Estimated Cost:

Interval Top Depth: 6,018 FT.

Interval Bottom Depth: 6,120 FT.

Packer Depth: FT.

Test Type: Flowing

Load to Recover:

Oil
BBLS

Water
BBLS

Test 1

Test Date:

Start Fluid Level: Feet From Surface

Final Fluid Level: Feet From Surface

Tubing Open Pressure: PSI

Tubing Closed Pressure: PSI

Test Duration: HRS

Choke Size: /64THS

Fluid Entry: FT.

Fluid Entry In: HRS

Water Recovered: BBLS

Oil Recovered: BBLS

Gas Recovered: MCF

Fluid Last Hour: BBLS

Job Comments:

Hold approximately 200# against production line to simulate line pressure. Test for 2 days. Advise Engineer.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OIL CONSERVATION DIVISION

RECEIVED

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT - " for such proposals

6. Lessee Designation and Serial No.

8. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Gallegos Canyon 213E

8. API Well No.

3004526305

10. Field and Pool, or Exploratory Area

Basin Dakota

11. County or Parish, State

San Juan

NM

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Amoco Production Company

Attention:

Lois Raeburn

3. Address and Telephone No.

P.O. Box 800, Denver, Colorado 80201

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

m 930FSL 480FWL Sec. 8 T 28N R 13W

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Amoco would like to apply for Temporary Abandonment status while up-hole potential is being evaluated.

RECEIVED

FEB 14 1994

OIL CON. DIV.
DIST. 3

94 FEB -1 AM 11:13
070 FARMINGTON, NM

RECEIVED
BLM

2/15/94
2/19/94

AUG 01 1994

THIS APPROVAL EXPIRES

14. I hereby certify that the foregoing is true and correct

Signed

Lois Raeburn

Title

Business Asst.

Date

01-28-1994

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

* See Instructions on Reverse Side
NMOCD

APPROVED

FEB 08 1994

DISTRICT MANAGER

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Budget Bureau No. 1004-
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to develop or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

RECEIVED
BLM

3. LEASE DESIGNATION AND SERIAL

892000844 F

4. IF INDIAN, ALLOTTEE OR TRIBE

1. OIL WELL ☐ GAS WELL ☒ OTHER

'91 APR 17 AM 9 07

91 JAN 28 P

17. WELL OR CEMENT NAME

Gallegos Canyon U.

2. NAME OF OPERATOR

Amoco Production Company

019 FARMING

8. NAME OF LEASE NAME

3. ADDRESS OF OPERATOR

200 Amoco Court Farmington, NM 87401

9. WELL NO.

213E

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

See also space 17 below.)

At surface

930/N 480/W

RECEIVED

APR 5 1991.

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

11. SEC. T. R. M. OR B.L. AND SURVEY OR AREA

SW/SW Sec 8-28N-12

14. PERMIT NO.

15. ELEVATIONS (Show whether SF, ST, OR, OR, OR)

OIL CON. DIV.

12. COUNTY OR PARISH

SAN JUAN

13. STATE

NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

FRACURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

Flow Test Well

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

WATER SHUT-OFF

FRACURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Amoco Production Company requests Approval to flow test the subject well for up to 15 days to determine economics of pipeline connection. Gas flows will be flared.

This well was originally drilled in 1985.

APPROVED

Approved

Chief, Branch of

Mineral Resources

Farmington Resource Area

18. I hereby certify that the foregoing is true and correct.

SIGNED

B. D. Shaw

TITLE

Enviro. Coordinator

DATE

1-25-91

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side
NMOCD

Submit 5 Copies
Appropriate District Office
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-104
Revised 1-1-89
See Instructions
at Bottom of Page

REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

Operator <u>Amaco Production Co</u>	Well API No.
Address <u>2325 E. 30th Street, Farmington NM 87401</u>	
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)	
New Well <input type="checkbox"/>	Change in Transporter of:
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/> Effective <u>4-1-89</u>
Change in Operator <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input checked="" type="checkbox"/>
If change of operator give name and address of previous operator	

II. DESCRIPTION OF WELL AND LEASE

Lease Name <u>Gallegos Canyon Unit</u>	Well No. <u>213E</u>	Pool Name, Including Formation <u>Basin Dakota</u>	Kind of Lease <u>State, Federal or Fee</u>	Lease No. <u>SF-078109</u>
Location				
Unit Letter <u>m</u> : <u>930</u> Feet From The <u>S</u> Line and <u>480</u> Feet From The <u>W</u> Line				
Section <u>8</u> Township <u>28 N</u> Range <u>12 W</u> , NMPM, <u>San Juan</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<u>Meridian Oil Inc.</u>	<u>P.O. Box 4289, Farmington NM 87499</u>
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<u>Northwest Pipeline</u>	<u>3539 E. 30th St. Farmington NM 87401</u>
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When?
	<u>m</u> <u>8</u> <u>28N</u> <u>12W</u> <u>No</u>

If this production is commingling with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.		
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
Perforations						Depth Casing Shoe		

TUBING, CASING AND CEMENTING RECORD		RECEIVED MAY - 1 1989 OIL CONSERVATION DIV. SANTA FE	SACKS CEMENT
HOLE SIZE	CASING & TUBING SIZE		

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)
Length of Test	Tubing Pressure	Casing Pressure
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

B. D. Shaw
Signature
B. D. Shaw
Printed Name
Adm. Supv.
Title
4-19-89
Date
(505) 325-8841
Telephone No.

OIL CONSERVATION DIVISION

Date Approved APR 20 1989

By B. D. Shaw

SUPERVISION DISTRICT # 3

Title

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or location, transporter, etc.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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TRANSPORTER	OIL
	GAS
OPERATOR	
PRODUCTION OFFICE	

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-104
Revised 10-01-78
Format 06-01-83
Page 1

REQUEST FOR ALLOWABLE
AND

AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator
Amoco Production Co.

Address
501 Airport Drive, Farmington, N M 87401

Reason(s) for filing (Check proper box)

<input type="checkbox"/> New Well	Change in Transporter of:	<input type="checkbox"/> Oil	<input checked="" type="checkbox"/> Dry Gas
<input type="checkbox"/> Recompletion	<input type="checkbox"/> Casinghead Gas	<input type="checkbox"/> Condensate	
<input type="checkbox"/> Change in Ownership			

Other (Please explain)

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OIL CON. DIV.
DIST. 3

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Gallegos Canyon Unit	Well No. 213E	Pool Name, including Formation Basin Dakota	Kind of Lease State, Federal or Fee Federal	Lease No. SF-0781
Location Unit Letter <u>M</u> ; <u>930</u> Feet From The <u>South</u> Line and <u>480</u> Feet From The <u>West</u>				
Line of Section <u>8</u> Township <u>28N</u> Range <u>12W</u> , NMPM, <u>San Juan</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Northwest Pipeline Corporation	P.O. Box 990, Farmington, NM 87499
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When

If this production is commingled with that from any other lease or pool, give commingling order number:

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

BDS Shaw

(Signature)

Adm. Supervisor

(Title)

October 9, 1985

(Date)

OIL CONSERVATION DIVISION

APPROVED

BY

TITLE

SUPERVISOR DISTRICT 3

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

IV. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth			
Perforations						Depth Casing Shoe			
TUBING, CASING, AND CEMENTING RECORD									
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET			SACKS CEMENT			

V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

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SANTA FE

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input checked="" type="checkbox"/> Special				Test Date 7-10-85			
Company Amoco Production Co.				Connection El Paso Natural Gas Co			
Pool Basin				Formation Dakota			
Completion Date 7-2-85		Total Depth 6265		Plug Back TD 6223		Elevation 5641 GR	
Form or Lease Name Gallegos Canyon Unit				Well No. 213E			
Csg. Size 4.500	Wt. 11.6	d 4.000	Set At 6265	Perforations: From 6018 To 6156		Unit Sec. Twp. Rge. M 8 28 12	
Thg. Size 2.375	Wt. 4.7	d 1.995	Set At 6185	Perforations: From open To ended			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County San Juan	
Producing Thru tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run Taps

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	7 Days						615		800	
1.	2.375		750				117		312	3 hrs.
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mc/d
1	12.365		129	1.000	.9258	1.015	1499
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/Std
1.					A.P.I. Gravity of Liquid Hydrocarbons	
2.					Specific Gravity Separator Gas	
3.					Specific Gravity Flowing Fluid	
4.					Critical Pressure	
5.					Critical Temperature	

P _c 812	P _c ² 659344	(1) $\frac{P_c^2}{P_e^2 - P_w^2} = 1.1894$	(2) $\left[\frac{P_c^2}{P_e^2 - P_w^2} \right]^n = 1.1389$
NO.	P _f ²	P _w	P _w ²
1		324	104976
2			
3			
4			
5			

Absolute Open Flow 1707 Mc/d @ 15.025		Angle of Slope θ	Slope, n .75
Remarks: Flared, Lite condensate, Med H2O			
Approved By Division	Conducted By: Bryan Services	Calculated By: J.J. Barnett	Checked By: R

(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

Form approved,
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED
AUG 2 - 1985

SF-078109

1. TYPE OF WELL

2. TYPE OF COMPLETION

NEW WELL ☒ WORK OVER ☐

3. NAME OF OPERATOR

Amoco Production Co.

4. ADDRESS OF OPERATOR

501 Airport Drive, Farmington, N M 87401

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface

930' FSL x 480' FWL

At top prod. interval reported below

Same

At total depth Same

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JUL 29 1985

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

6. UNIT ADDRESS NAME

Gallegos Canyon Unit

7. FARM OR LEASE NAME

8. WELL NO.

213E

9. FIELD AND POOL, OR WILDCAT

Basin Dakota

10. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA

SW/SW Sec 8, T28N, R12W

11. COUNTY OR PARISH

San Juan

12. STATE

NM

13. DATE STUDD

5-30-85

14. DATE T.D. REACHED

6-6-85

15. DATE COMPL. (Ready to prod.)

7-2-85

16. ELEVATIONS (OF, RKB, RT, GR, ETC.)

5654' KB

17. ELEV. CASINGHEAD

5641' GR

18. TOTAL DEPTH, MD & TVD

6270'

19. PLUG, BACK T.D., MD & TVD

6223'

20. IF MULTIPLE COMPL.

Single

21. INTERVALS DRILLED BY

ROTARY TOOLS

O-TD

22. CABLE TOOLS

23. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)

6018'-6156' Dakota

24. TYPE ELECTRIC AND OTHER LOGS RUN

DIFL-GR-SP; CDL-CNL-GR-CAL

No

25. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#, K55	322'	12-1/4"	319 cf Class B Portland	
4-1/2"	11.6#, K55	6265'	7-7/8"	743 cf Class B Portland, 214 cf Class B Portland, 1058 cf Class B Portland	

26. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	6185'	

27. PERFORATION RECORD (Interval, size and number)

6018'-6032', 6088'-6156', 4 jsp, .45" in diameter, for a total of 328 holes.

28. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6018'-6156'	90,000 gal 70 quality foam and 130,900 # 20-40 brady sand

29. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
7-9-85		Flowing					Shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF	WATER—BBL.	GAS-OIL RATIO	
7-10-85	3 hrs	.75"	→		187			
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF	WATER—BBL.	OIL GRAVITY-API (CORR.)		
117 psig	312 psig	→		1499				

30. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

To be sold

TEST WITNESSED BY

Bryan Services

31. LIST OF ATTACHMENTS

None

ACCEPTED FOR RECORD

32. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

BDS Shaw

TITLE Adm. Supervisor

DATE

AUG 2 - 1985

*(See Instructions and Spaces for Additional Data on Reverse Side) FARMINGTON RESOURCE AREA

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or omissions as to any matter within its jurisdiction.

NMOCC

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38.

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Fruitland	1034	1479				
Pictured Cliffs	1479	1591				
Mesa Verde	3234	4202				
Gallup	5145	5700				
Dakota	5915	6240				

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DIST. 3

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ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Revised 10-01-78
Format 06-01-83
Page 1

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JUL 29 1985
OIL CON. DIV.
DIST. 3

I.

Operator
Amoco Production Co.

Address
501 Airport Drive, Farmington, N M 87401

Reason(s) for filing (Check proper box)

<input type="checkbox"/> New Well	Change in Transporter of:	<input type="checkbox"/> Oil	<input type="checkbox"/> Dry Gas
<input type="checkbox"/> Recompletion	<input type="checkbox"/> Casinghead Gas	<input type="checkbox"/> Condensate	
<input type="checkbox"/> Change in Ownership			

Other (Please explain)

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Gallegos Canyon Unit	Well No. 213E	Pool Name, including Formation Basin Dakota	Kind of Lease State, Federal or Fee Federal	Lease No. SF 078109
Location				
Unit Letter M	: 930	Feet From The South	Line and 480	Feet From The West
Line of Section 8	Township 28N	Range 12W	, NMPM, San Juan County	

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> Permian Corporation	Address (Give address to which approved copy of this form is to be sent) P.O. Box 1702, Farmington, N.M. 87499
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> El Paso Natural Gas Company	Address (Give address to which approved copy of this form is to be sent) P.O. Box 990, Farmington, N.M. 87499
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. M 8 28N 12W
Is gas actually connected?	When No

If this production is commingled with that from any other lease or pool, give commingling order number:

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

BDS Shaw

(Signature)

Adm. Supervisor

(Title)

7-23-85

(Date)

8-2-85 OIL CONSERVATION DIVISION
APPROVED **AUG 02 1985**
BY *[Signature]*
TITLE SUPERVISOR DISTRICT # 3

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

IV. COMPLETION DATA

Designate Type of Completion -- (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res.
			X	X					
Date Spudded	Date Compl. Ready to Prod.			Total Depth			P.B.T.D.		
5-30-85	7-2-85			6270'			6223'		
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation			Top Oil/Gas Pay			Tubing Depth		
5641' GR	Dakota			6018'			6185'		
Perforations							Depth Casing Shoe		
6018'-6032', 6088'-6156'							6270'		

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12-1/4"	8-5/8", 24#, K55	322'	319 cf
7-7/8"	4-1/2", 11.6#, K55	6265'	2015 cf
	2-3/8"	6185'	

TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D 1499	Length of Test 3hrs.	Bble. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.) Back pressure	Tubing Pressure (Shut-in) 615 psig	Casing Pressure (Shut-in) 800 psig	Choke Size .75"

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

SF-078109

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen, or plug back to a different reservoir.

Use APPLICATION FOR PERMIT (for new proposals)

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7. UNIT AGREEMENT NAME

Gallegos Canyon Unit

8. FARM OR LEASE NAME

9. WELL NO.

213E

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

SW/SW Sec 8, T28N, R12W

12. COUNTY OR PARISH

San Juan

13. STATE

NM

14. PERMIT NO.

15. ELEVATIONS (Show whether OF, RT, GR, etc.)

5641' GR

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

1. SHUT OFF

2. REPAIR

3. SHOOT OR ACIDIZE

4. REPAIR WELL

(Other)

5. MULTIPLE COMPLETION

6. ABANDON*

7. CHANGE PLANS

8. FRACTURE TREATMENT

9. SHOOTING OR ACIDIZING

(Other) completion

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

10. REPAIRING WELL

11. ALTERING CASING

12. ABANDONMENT*

X

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Moved in and rigged up service unit on 6-18-85. Total depth of the well is 6270' and plugback depth is 6223'. Pressure tested production casing to 4800 psi for 30 minutes. Perforated the following intervals: 6018'-6032', 6088'-6156', 4 jspf, .45" in diameter, for a total of 328 holes. Fraced interval 6018'-6156' with 90,000 gal 70 quality foam and 130,900# 20-40 brady sand. Landed 2-3/8" tubing at 6185' and released the rig on 7-2-85.

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JUL 26 1985

OIL CON. DIV.
DIST. 3

I hereby certify that the foregoing is true and correct

SIGNED

R. Lawson

TITLE District Adm Supervisor

DATE

7-16-85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

JUL 26 1985

FARMINGTON RESOURCE AREA

BY

*See Instructions on Reverse Side

NMOCC

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

SF-078109

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Gallegos Canyon Unit

8. FARM OR LEASE NAME

9. WELL NO.

213E

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

SW/SW Sec8, T28N, R12W

12. COUNTY OR PARISH

San Juan

13. STATE

NM

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Amoco Production Co.

3. ADDRESS OF OPERATOR

501 Airport Drive, Farmington, N M 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface

930' FSL x 480' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether OF, ST, GR, etc.)

5641' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

ALTER Casing

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Spud and Set Casing

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Spud a 12-1/4" hole on 5-30-85. Drilled to 345'. Set 8-5/8", 24#, K55 casing at 322' and cemented with 319 cu. ft. Class B Portland. Circulated cement to surface. Pressure tested casing to 1000 psi for 30 minutes. Drilled a 7-7/8" hole to a TD of 6270' on 6-6-85. Set 4-1/2", 11.6#, K55 casing at 6265'. Stage 1: cemented with 743 cu.ft. Class B Portland and tailed in with 214 cu. ft. Class B Portland. Stage 2: cemented with 1058 cu. ft. Class B Portland. Circulated cement to surface after both stages. The DV tool was set at 3177' and the rig was released on 6-7-85.

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DIST. 2

18. I hereby certify that the foregoing is true and correct

SIGNED

B. S. Shaw

TITLE

Adm. Supervisor

DATE

6-21-85

(This space for Federal or State office use)

ACCEPTED FOR RECORD

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

JUL 03 1985

*See Instructions on Reverse Side

NMOCC

FARMINGTON RESOURCE AREA

BY *[Signature]*

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☒ PLUG BACK ☐
b. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ OTHER ☐
SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
Amoco Production Company

3. ADDRESS OF OPERATOR
501 Airport Drive, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 930' FSL x 480' FWL
At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE OF LAND MANAGEMENT
12 miles southeast of Farmington, NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 480'

18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
200' E 6240'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5641' GR

23. PROPOSED CASING AND CEMENTING PROGRAM
"GENERAL REQUIREMENTS"

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#, J-55	300'	354 c.f. Class B
7-7/8"	4-1/2"	10.5#, K-55	6240'	2136 c.f. Class B

Amoco proposes to drill the above well to further develop the Basin Dakota reservoir. The well will be drilled to the surface casing point using native mud. The well will then be drilled to TD with a low solids nondispersed mud system. Completion design will be based on open hole logs. Copy of all logs will be filed upon completion. Amoco's standard blowout prevention will be employed; see attached drawing for blowout preventer design. Upon completion the well site will be cleaned and the reserve pit filled and leveled. The gas from this well is dedicated to El Paso Natural Gas under contract No. 56,742.

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IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present production zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blow out preventer program, if any.

24. Original Signed By
SIGNED D.D. Lawson
District
TITLE Administrative Supervisor

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

NSP
R-1814
ah7

NMOCC

*See Instructions On Reverse Side

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

Operator AMOCO PRODUCTION COMPANY			Lease GALLEGOS CANYON UNIT		Well No. 213E
Unit Letter M	Section 8	Township 28N	Range 12W	County San Juan	
Actual Footage Location of Wells: 930 feet from the South line and 480 feet from the West line					
Ground Level Elev: 5641	Producing Formation Dakota		Pool Basin Dakota		Dedicated Acreage: 354.12 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 Unitized

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

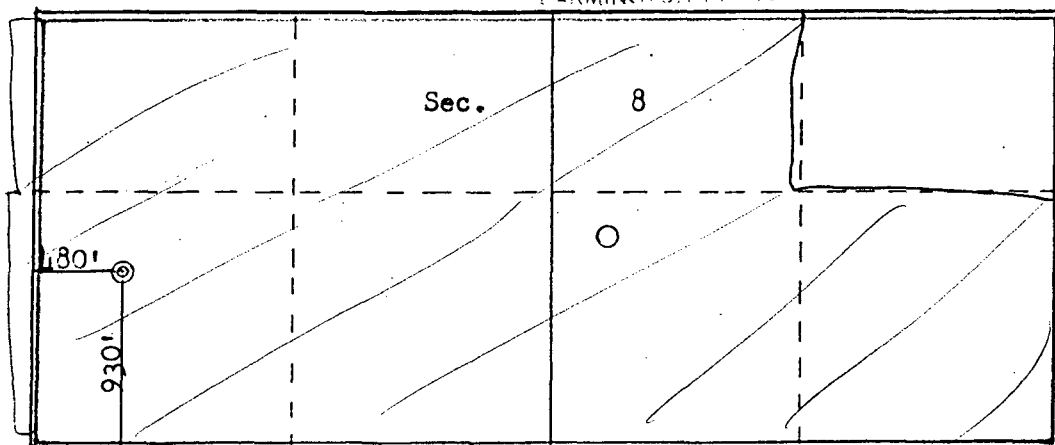
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

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DIST. 3

*also lot 1 and
S/2 of SE 1/4 of sec. 17*

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BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA



Scale: 1"=1000'

CERTIFICATION

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

Original Signed By
D.D. Lawson

Name

D.D. Lawson

Position District

Administrative Supervisor

Company

2/8/85

Date

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

November 8, 1984

Registered Professional Engineer and Land Surveyor

Fred B. Kerr Jr.

Certificate No.

3950

Petroleum Information
Corporation
GEO-FICHE™

28N-12W-08-13 (SW SW)
NEW MEXICO NM

WELL: GALLEGOS CANYON 213E
OPER: AMOCO PROD
CNTY: SAN JUAN

API: 30-045-26305
ISSUE: C09/85
CARD: 1