



**Amoco Production Company**

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

June 22, 1999

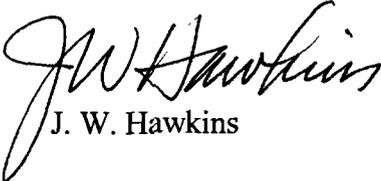
Ms. Lori Wrotenbery, Director  
New Mexico Oil Conservation Division  
2040 S. Pacheco Street  
P.O. Box 6429  
Santa Fe, NM 87505

**Application For Unorthodox Location**  
**Gallegos Canyon Unit #159 Well**  
**1765' FNL, 1585' FWL, Unit F, Section 31-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 #159 well in the Basin Fruitland Coal Pool. Amoco plans to plug back this well from the Basin Dakota Pool. The spacing unit for this well is the W/2 Section 31, T28N-R12W. The well location is unorthodox due to the fact it is not located in the NE/4 or SW/4 of the section.

Attached is the Form C-102 showing the location of the well and a nine section plat showing wells drilled in the area. Amoco Production Company is operator of Gallegos Canyon Unit in eight of the nine sections. All offset operators affected by this application will receive copies by certified mail return receipt requested.

Sincerely,

  
J. W. Hawkins

**Attachments**

cc: John Papageorge  
Mary Corley  
Well file  
Proration file

  
Cross Timbers Oil Company  
810 Houston St., Suite 2000  
Fort Worth, TX 76102

**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, Sante Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

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

**OIL CONSERVATION DIVISION**  
2040 South Pacheco  
Santa Fe, New Mexico 87505

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-045-07040	Pool Code 71629	Pool Name BASIN FRUITLAND COAL
Property Code 000570	Property Name GALLEGOS CANYON UNIT	Well Number 159
OGRID No. 000778	Operator Name AMOCO PRODUCTION COMPANY	Elevation 5706' RDB

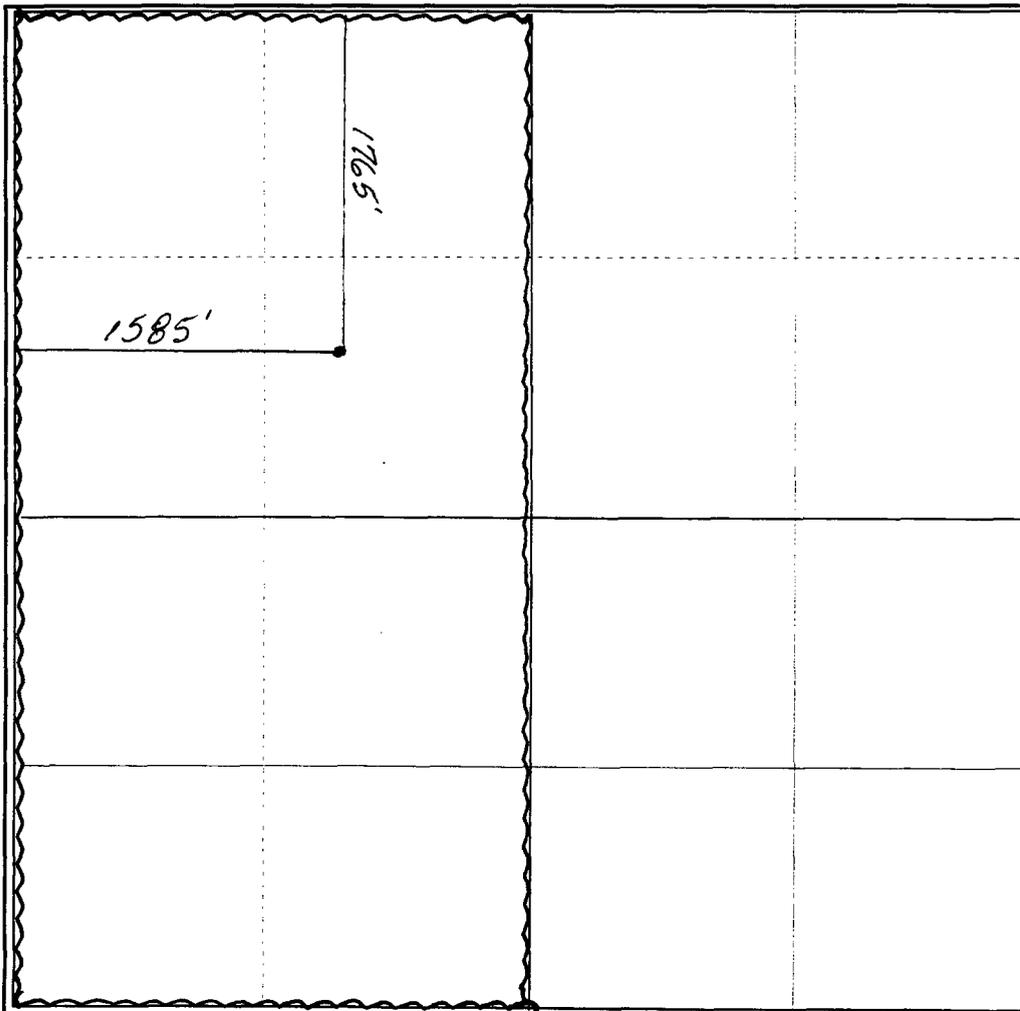
**Surface Location**

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
UNIT F	31	28N	12W		1765	NORTH	1585	WEST	San Juan

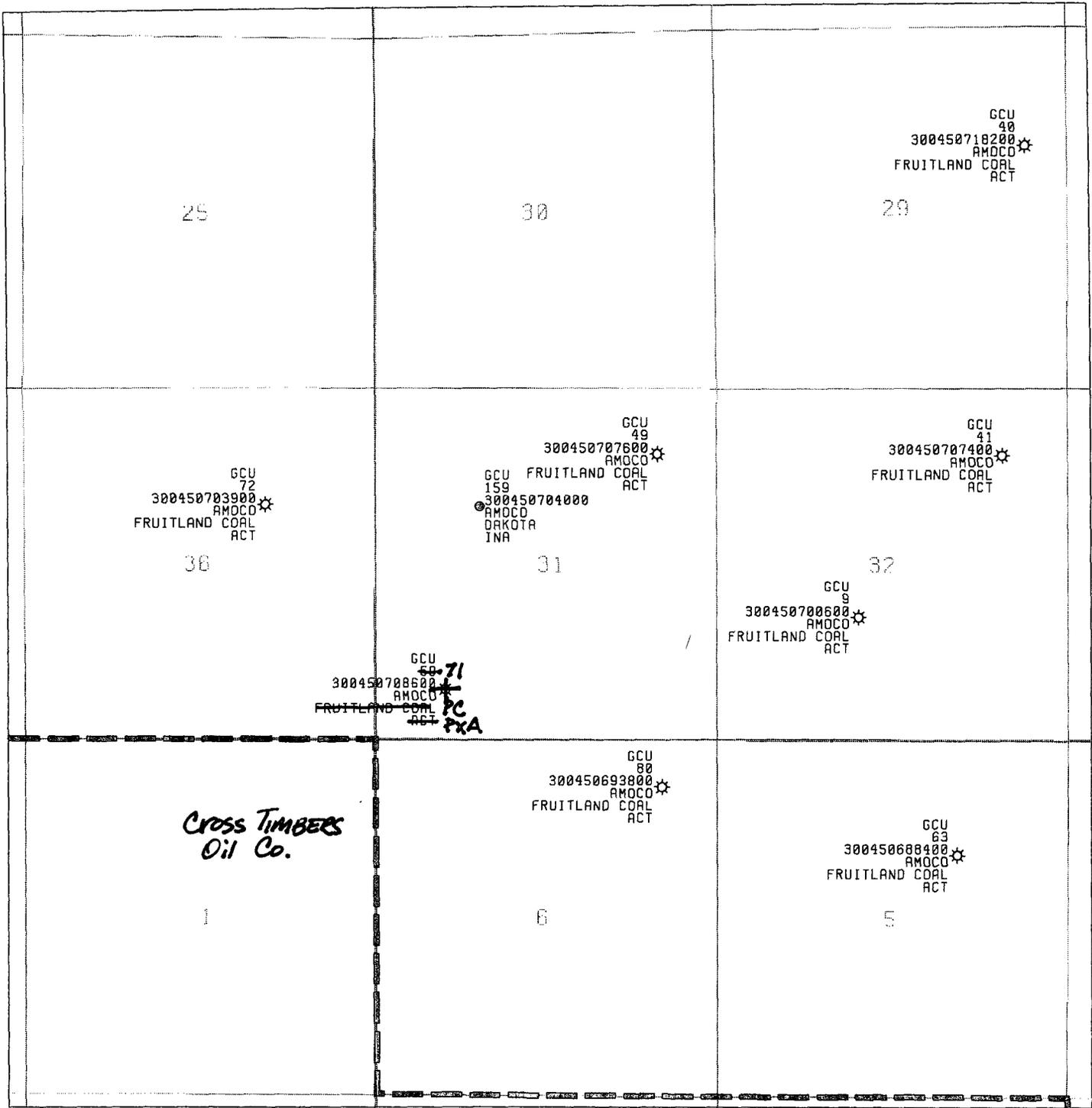
**Bottom Hole Location If Different From Surface**

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
Dedicated Acreage: 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**



<b>OPERATOR CERTIFICATION</b>	
<i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>	
Signature	<i>Mary Corley</i> MARY CORLEY
Printed Name	
Position	SR. BUSINESS ANALYST
Date	05/21/1999
<b>SURVEY CERTIFICATION</b>	
<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>	
01/25/1964	
Date of Survey	
Signature & Seal of Professional Surveyor	
JAMES P LEASE	
Certificate No.	
3162	



AMOCO PRODUCTION COMPANY  
HOUSTON, TEXAS

GCU 159 RECOMPLETION  
NINE SECTION PLAT  
31-28N-12W

SCALE	DRAWN T. HANSON	DATE 25-MAY-1989

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**

RECEIVED

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.

99 MAY 24 PM 12: 59

5. Lease Designation and Serial No.

I-149-IND-8478

6. If Indian, Allottee or Tribe Name

NAVAJO INDIAN

7. If Unit or CA, Agreement Designation

070 FARMINGTON, NM

8. Well Name and No.

GALLEGOS CANYON UNIT 159

9. API Well No.

30-045-07040

10. Field and Pool, or Exploratory Area

BASIN FRUITLAND COAL

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:

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)

1765' FNL 1585' FWL Sec. 31 T 28N R 12W UNIT F

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 ACCORDING TO THE ATTACHED PROCEDURES.

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

RECEIVED  
MAY 28 1999  
OIL CON. DIV.  
DIST. 3

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

MAY 26 1999

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.

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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  
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RECEIVED  
BLM

99 MAY 24 PM 12:59

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Dedicated Acreage: 320		Joint or Infill	Consolidation Code		Order No.				

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	<p>RECEIVED  MAY 28 1999  OIL CON. DIV.  DIST. 3</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <p><i>Mary Corley</i>  Signature  MARY CORLEY</p> <p>Printed Name</p> <p>Position  SR. BUSINESS ANALYST</p> <p>Date  05/21/1999</p>
		<p><b>SURVEY CERTIFICATION</b></p> <p><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></p> <p>01/25/1964</p> <p>Date of Survey</p> <p>Signature &amp; Seal of Professional Surveyor  JAMES P LEASE</p> <p>Certificate No.  3162</p>
		<p>HOLD C104 FOR <i>NS</i></p>

# GCU Well Work Procedure

**GCU 159**

**Date:** 5/4/98

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**Objective:**

Recomplete from Dakota to Fruitland Coal

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**Pertinent Information:**

Location: NW31-28N-12W

County: San Juan

State: New Mexico

Lease:

Well Flac: 91891701

Horizon: Dakota to FC

API #: 30-045-07040

Engr: John Papageorge

Phone: W (281)366-5721

H (713)464-5053

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**NOTE:** Call Joe Piombino 281-366-xxxx or John Papageorge 281-366-5721 in Houston to see if steps 6-7 are necessary.

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.  
(See Note above)
6. TIH with tubing conveyed perforating gun and packer. Set packer 1 jt above interval to be perfed and perforate Lower Dakota perms as specified.
7. Test Lower Dakota and report results to Joe Piombino or John Papageorge before proceeding.
8. PXA Dakota. Set CIBP within 50' of top Dakota perf. Spot 150' cmt plug on top of CIBP.
9. Log Fruitland Coal interval with CBL/GR/CCL to insure zonal isolation across FC.
10. Perforate the following interval with 4JSPF, 120 deg. phasing: FRLD 1300-1318
11. Fracture stimulate down casing according to schedule 'A'.
12. CO to PBTB.
13. TIH with 2 3/8" tbg, rods, and pump. Land 1 joint below perms if possible.
14. RDMO. Hook up to pumping unit and well head compressor.

WF

8 5/8" 24#/FT CSA 354'  
W/225 SX CMT

PL 1350'  
MV 2890'  
GP 4950'  
DK 5920'

070 FRI... 1961, NM

931128 26 1110:41

RECEIVED  
PLH

70 DV = 4150'

10' 4 SPF  
5876'  
5886'

22' 2 SPF  
5934'  
5956'

2 3/8" TBG SET AT ~~5929'~~

5899.

PBTD 6023'

4 1/2" 10.5#/FT CSA 6059'  
W/1600 SX CMT

Amoco Production Company

SCALE:

GALLEGOS CANYON UNIT #159

ORG.  
NO.

CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

06/30/99 10:23:25  
OGOMES -TPX4  
PAGE NO: 1

Sec : 31 Twp : 28N Rng : 12W Section Type : NORMAL

1 36.00  Indian owned U A	C 40.00  Indian owned U	B 40.00  Indian owned U	A 40.00  Indian owned U A
2 36.00  Indian owned U	F 40.00  Indian owned U A	G 40.00  Indian owned U	H 40.00  Indian owned U

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

CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

06/30/99 10:23:42  
OGOMES -TPX4  
PAGE NO: 2

Sec : 31 Twp : 28N Rng : 12W Section Type : NORMAL

3 36.00  Indian owned U A	K 40.00  Indian owned U	J 40.00  Indian owned U A	I 40.00  Indian owned U
4 36.00  Indian owned U	N 40.00  Indian owned U	O 40.00  Indian owned U	P 40.00  Indian owned U A

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

2  
76.  
4  

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308

2  
76  
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304

12  
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