

DATE IN 6/28/99	SUSPENSE 7/19/99	ENGINEER MS	LOGGED MV	TYPE NSL
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ABOVE THIS LINE FOR DIVISION USE ONLY

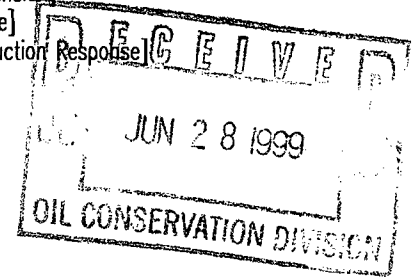
**NEW MEXICO OIL CONSERVATION DIVISION**  
- Engineering Bureau -

**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

**[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.

<u>J W Hawkins</u>		<u>Regulatory Affairs Engineer</u>	<u>6/22/99</u>
Print or Type Name	Signature	Title	Date

**Amoco Production Company**

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

June 22, 1999

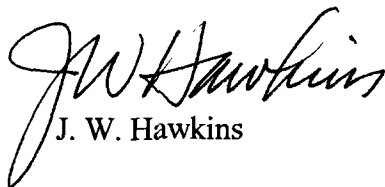
Ms. Lori Wrotenbery, Director  
New Mexico Oil Conservation Division  
2040 S. Pacheco Street  
P.O. Box 6429  
Santa Fe, NM 87505

**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, 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 30-045-07040	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**

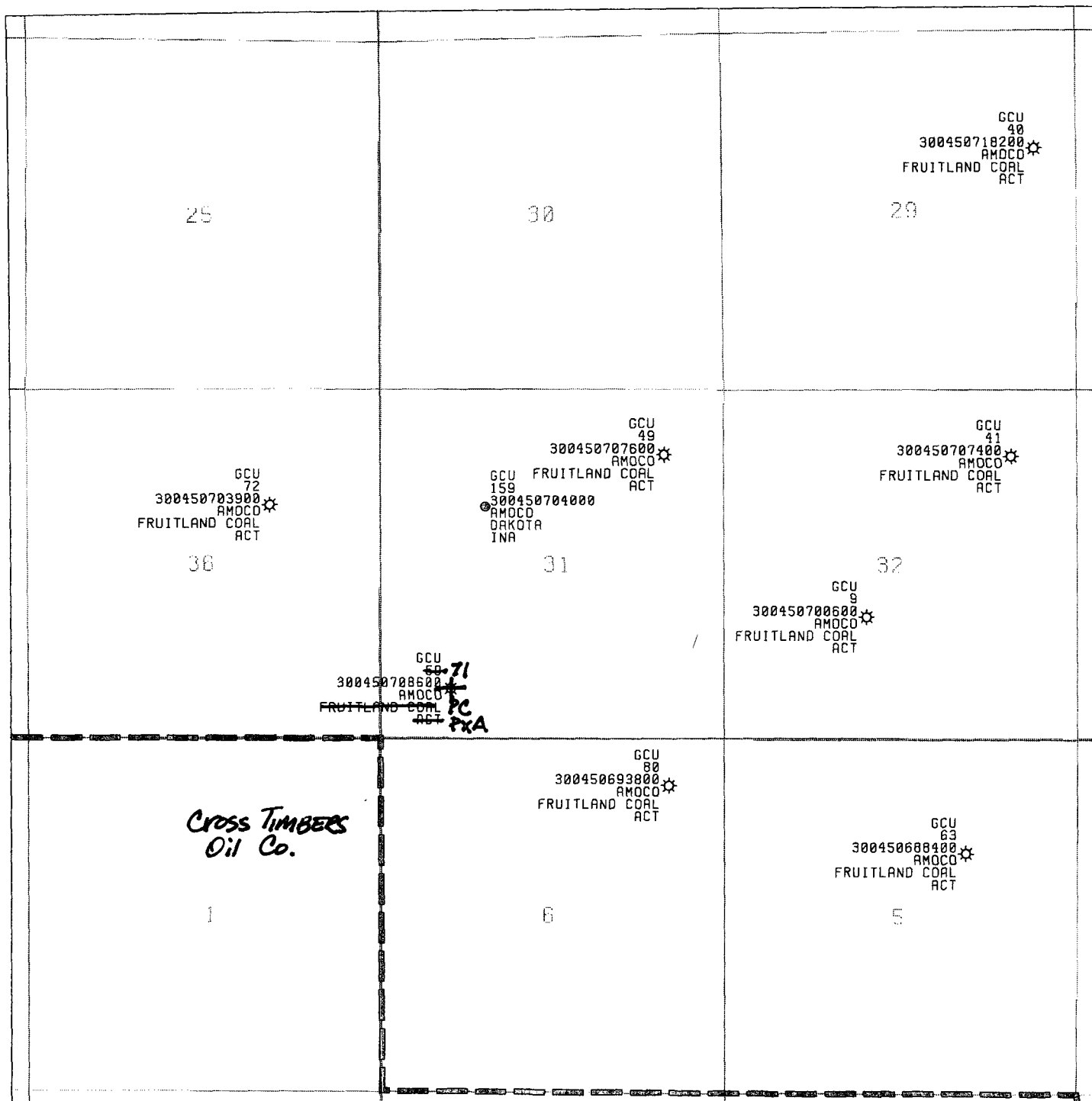
UL or lot no. UNIT F	Section 31	Township 28N	Range 12W	Lot. Idn	Feet from the 1765	North/South Line NORTH	Feet from the 1585	East/West Line WEST	County San Juan
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**Bottom Hole Location If Different From Surface**

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 hereby certify that the information contained herein is true and complete to the best of my knowledge and belief	
	Signature MARY CORLEY	
	Printed Name	
Position SR. BUSINESS ANALYST		
Date 05/21/1999		
<b>SURVEY CERTIFICATION</b>		
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.		
<div style="border: 1px solid black; padding: 5px; text-align: center;">01/25/1964</div>		
Date of Survey		
Signature & Seal of Professional Surveyor		
<div style="border: 1px solid black; padding: 5px; text-align: center;">JAMES P LEASE</div>		
Certificate No. 3162		



AMOCO PRODUCTION COMPANY HOUSTON, TEXAS		
GCU 159 RECOMPLETION NINE SECTION PLAT 31-28N-12W		
DATE	BY	DATE
	T. HANSON	25-MAY-1999

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

99 MAY 24 PM 12:59

070 FARMINGTON, NM

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. BOX3092 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

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

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

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 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  
/S/ Duane W. Spencer

Title

SR. BUSINESS ANALYST

Date

05-21-1999

(This space for Federal or State office use)

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.

**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  
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Fee Lease - 3 Copies

RECEIVED  
BLM

99 MAY 24 PM 12:59

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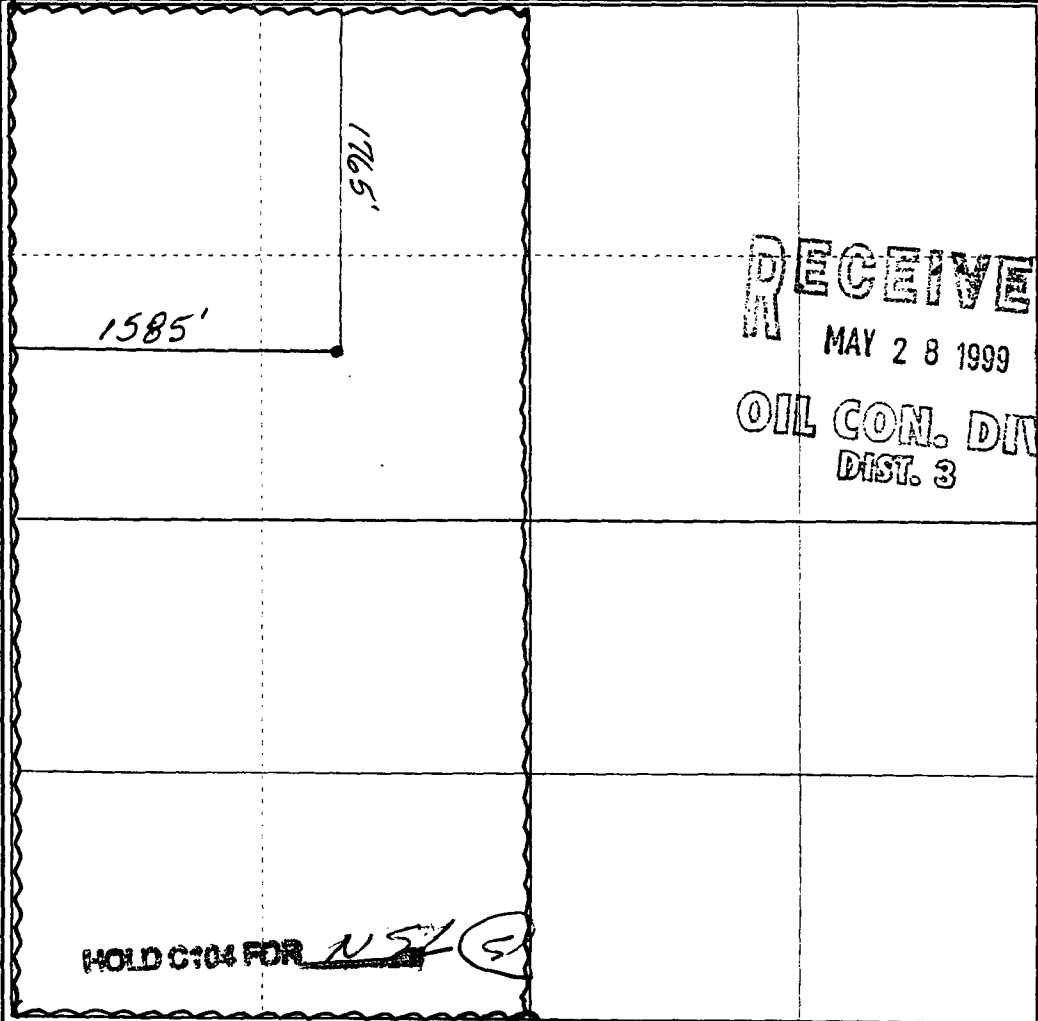
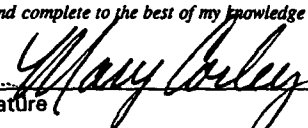
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
UNIT F	31	28N	12W		1765	NORTH	1585	WEST	San Juan

**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.
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**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**

 <p>HOLD C104 FOR <i>NS</i> (S)</p>	<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 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

# 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 PBTD.
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'

RECEIVED  
PLH  
OCT 26 11:04  
070 1111111111111111

70 DV = 4150'

5876'  
10' 4 SPF  
5886'  
5934'  
22' 2 SPF  
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

GALLEGOS CANYON UNIT #159

SCALE:

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

PF01 HELP  
PF07 BKWD

PF02  
PF08 FWD

PF03 EXIT  
PF09 PRINT

PF04 GoTo  
PF10 SDIV

PF05  
PF11

PF06  
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  
PF07 BKWD

PF02  
PF08 FWD

PF03 EXIT  
PF09 PRINT

PF04 GoTo  
PF10 SDIV

PF05  
PF11

PF06  
PF12

2  
76.  
4  
308

2  
76  
4  
304

12  
12  
20