

UNITED STATES  
DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

Form approved.  
Budget Bureau No.1004-0136  
Expires: December 31, 1991

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

OIL WELL ☐

GAS WELL ☒

Other ☐

SINGLE ZONE ☒

MULTIPLE ZONE ☐

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 (Report location clearly and in accordance with any State requirements)

At surface

2180' FNL

790' FEL

At proposed prod. zone

Unit H (Lot 1)

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

2 Miles from (McGee Park) Farmington, NM

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

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

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

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3396' GR and appeal pursuant to 43 CFR 3165.4.

16. NO. OF ACRES IN LEASE

43102.47

19. PROPOSED DEPTH

1467'

17. NO. OF ACRES ASSIGNED TO THIS WELL

20. ROTARY OR CABLE TOOLS

22. APPROX. DATE WORK WILL START\*

09-05-2000

5. LEASE DESIGNATION AND SERIAL NO.

SF-078209-B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Gallegos Canyon Unit

569

9. API WELL NO.

30-045-30330

10. FIELD AND POOL, OR WILDCAT

Basin Fruitland Coal

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

Section 33  
Township 29N Range 12W

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

SIZE OF HOLE	GRADE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT	DENSITY (lb/gal)	YIELD (ft/sk)	WATER (gal/sk)	EXCESS %
8 3/4"	J-55 ST&C 7"	23#	135'	95 SXS (113 CU.FT.) CLS B CIRC TO SURFACE	15.6	1.19	5.25	100%
6 1/4"	-55 ST&C 4 1/2"	10.5	1467'	110 SXS (230 CU.FT.) CLS B - LEAD 44 SXS (97 CU.FT.) CLS B - TAIL	11.4	2.88 1.19	16.6 5.25	70%
				2 7/8 CUC w 30% SMS				

NOTICE OF STAKING SUBMITTED 7/12/2000

OBJECTIVE: Drill 150' into the Pictured Cliffs, set 4 1/2" Casing to TD, perf & stimulate the Fruitland Coal

METHOD OF DRILLING: Rotary/Top Drive

DEPTH OF DRILLING: 0' - TD

LOG PROGRAM TYPE: Cased Hole (GR-CCL-TDT)

DEPTH INTERVAL: TDT - PBTD - 0 GR & CCL - PBTD to 0'

MUD PROGRAM: INTERVAL

TYPE MUD

WEIGHT, #/GAL

0' - 135' (3 JTS)

Spud

8.6 - 9.2

135' - 1467

Water/LSND

8.6 - 9.2

(1) Circulate Cement to Surface (2) Set Casing 150' below top of Pictured Cliffs

COMPLETION: Rigless, Single Stage Hydraulic Frac

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS"

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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.

SIGNED

*Mary Corley*

TITLE Sr.RegulatoryAnalyst

DATE

08-08-2000

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

*Ed Ben Leavitt*

TITLE

*Petroleum Eng*

DATE

SEP 11 2000

\*See Instructions On Reverse Side

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.

AMOCO

District I  
PO Box 1980, Hobbs NM 88241-1980  
District II  
PO Drawer KK, Artesia, NM 87211-0719  
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

Form C-102  
Revised February 21, 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

<sup>1</sup> API Number 30-045-30330		<sup>2</sup> Pool Code 71629	<sup>3</sup> Pool Name BASIN FRUITLAND COAL
<sup>4</sup> Property Code 000570	<sup>5</sup> Property Name Gallegos Canyon Unit		<sup>6</sup> Well Number # 569
<sup>7</sup> OGRID No. 000778	<sup>8</sup> Operator Name AMOCO PRODUCTION COMPANY		<sup>9</sup> Elevation 5396

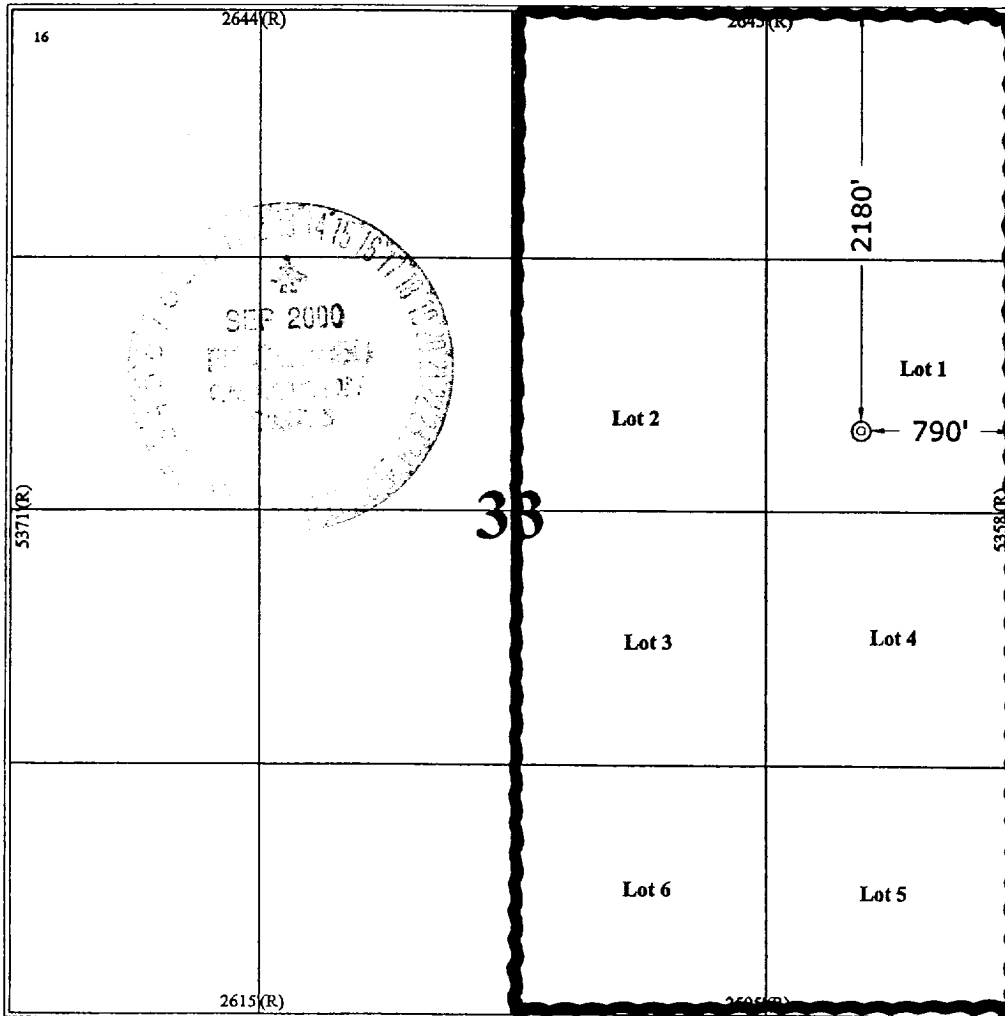
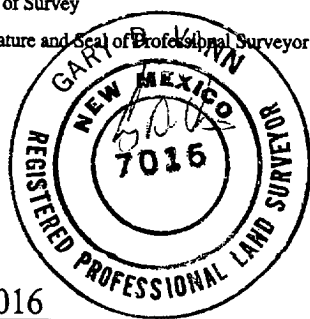
<sup>10</sup> Surface Location

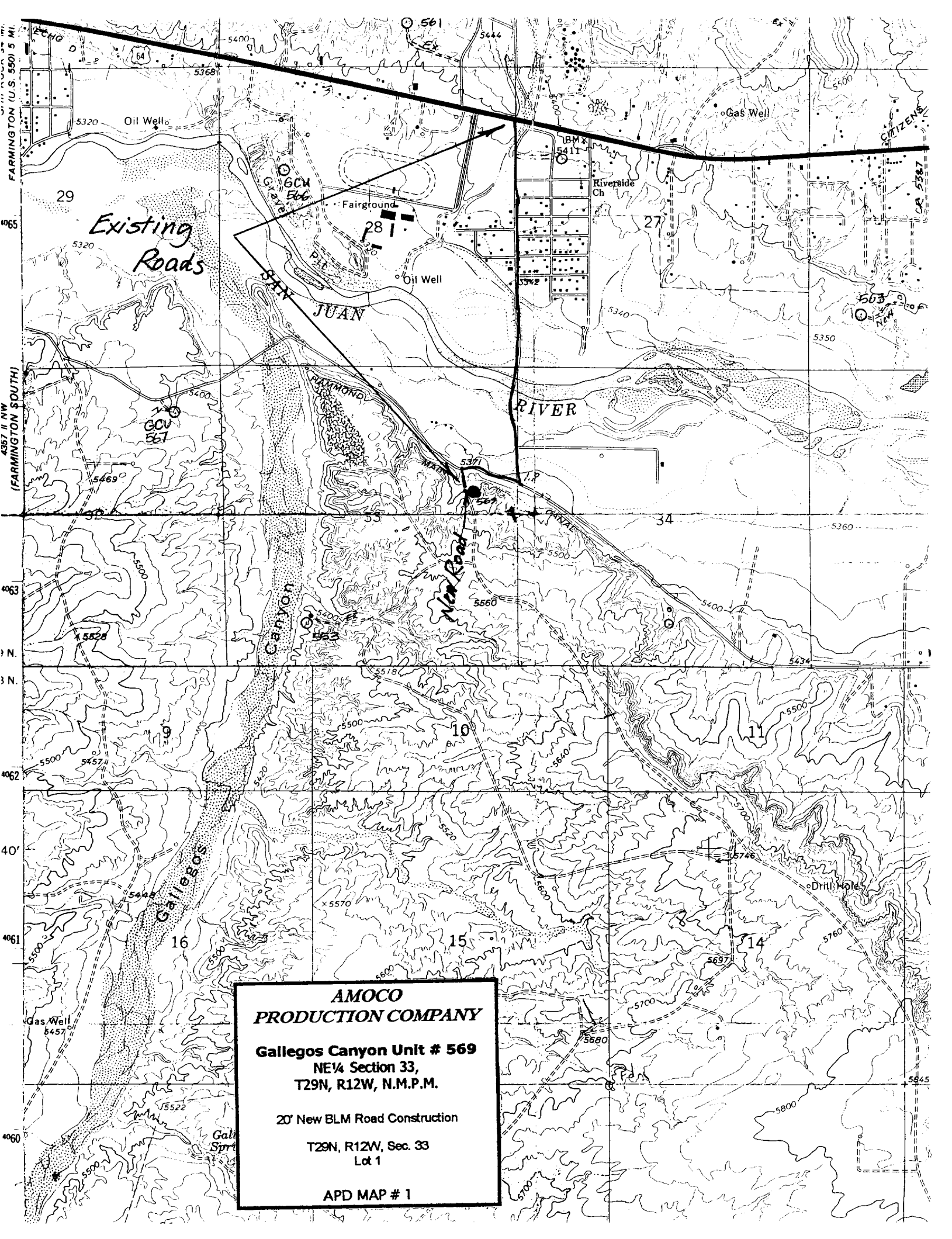
UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H (Lot 1)	33	29 N	12 W		2180	NORTH	790	EAST	SAN JUAN

<sup>11</sup> Bottom Hole Location If Different From Surface

<sup>1</sup> UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Dedicated Acres 324.03 <del>328.01</del>									
<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> 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

	<sup>17</sup> 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 Title: SR. Regulatory Analyst Date: 9-12-2000	
	<sup>18</sup> 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: June 26, 2000 Signature and Seal of Professional Surveyor:  Certificate Number: 7016	



**AMOCO  
PRODUCTION COMPANY**

**Gallegos Canyon Unit # 569**  
NE¼ Section 33,  
T29N, R12W, N.M.P.M.

20' New BLM Road Construction

T29N, R12W, Sec. 33  
Lot 1

APD MAP # 1

**Amoco Production Company  
BOP Pressure Testing Requirements**

Well Name: Gallegos Canyon Unit 569  
County: San Juan

State: New Mexico

Formation	TVD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	Surface		
Kirtland	167'		
Fruitland Coal	967'		
Pictured Cliffs	1317'		

\*\* Note: Determined using the following formula:  $ABHP - (.22 \times TVD) = ASP$

**Requested BOP Pressure Test Exception: 750 PSI**

**SAN JUAN BASIN  
Fruitland Formation  
Pressure Control Equipment**

**Background**

The objective Fruitland Coal formation maximum surface pressure is anticipated to be less than 1000 PSI, based on shut-in surface pressures from adjacent wells. Pressure control equipment working pressure minimum requirements are therefore 2000 PSI. Equipment to be used will conform to API RP-53 (Figure 2.C.2) for a 2000 PSI system per Federal Onshore Order No. 2. Due to available conventional equipment within the area, 3000 PSI rated pressure control equipment will typically be utilized in a double ram type arrangement. Regional drilling rights to be utilized have substructure height limitations which exclude the use of annular preventers; therefore a rotating head will be installed above these rams. This pressure control equipment will be utilized for conventional drilling below conductor to total depth. No abnormal temperature, pressure, or Hydrogen Sulfide gas is anticipated.

**Equipment Specification**

**Interval**

**BOP Equipment**

Below conductor casing to total depth

11" nominal or 7 1/16", 3000 PSI double ram  
preventer with rotating head.

All ram type preventers and related control equipment will be hydraulically tested to 250 PSI (low pressure) and 750 PSI (high pressure), upon installation, following any repairs or equipment replacements, or at 30 day intervals. Accessories to BOP equipment will include Kelly cock, upper Kelly cock with a handle available, floor safety valves and choke manifold which will also be tested to equivalent pressure at the appropriate intervals.

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.

5. Lease Designation and Serial No.

**SF - 078209-B**

6. If Indian, Allottee or Tribe Name

Unit or CA, Agreement Designation

**SUBMIT IN TRIPLICATE**

070 FARMINGTON, NM

1. Type of Well

☐ OIL  
WELL

☒ GAS  
WELL

☐ OTHER

2. Name of Operator

**Amoco Production Company**

**Melissa Velasco-Price**

3. Address and Telephone No.

**P.O. Box 3092 Houston, TX 77253**

**(281) 366-2548**

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

**2180' FNL 790' FEL**

**Sec. 33 T29N R12W**

**Unit H**

8. Well Name and No.

**Gallegos Canyon Unit 569**

9. API Well No.

**30-045-30330**

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

**Spud & Set Casing & Liner**

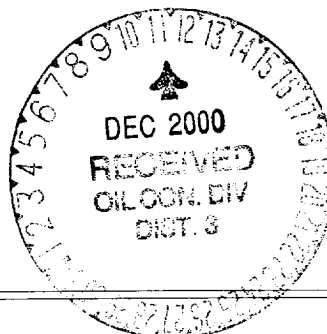
(Note: Report results of multiple completion on Well Completion or  
Recompletion Report and Log form.)

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.)\*

09/15/00 MIRUDU Spud a 8 3/4" hole @ 1500 hrs. Drilled to 142' & set 7" J-55 20# surface CSG @ 135'. CMT w/100 SXS CLS H CMT. CIRC 13 BBLS good CMT to Surface. Test BOP's & related valves to 750 # high & 250# low. Test Ok.

Drill out CMT. Drilled a 6 1/4" hole to 1485'. TD @ 16:30 hrs on 9/16/00. Set 4 1/2" J-55 10.5# CSG @ 1474'. CMT w/ 121 SXS 35/65 POZ CLS H CMT Lead & 70 SXS 50/50 POZ CLS H CMT Tail. CIRC 10 BBLS good CMT to pit. TOC @ surface.

09/17/00 RDMODU Rig Released @ 0600 hrs.



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

Signed Melissa Velasco Price Title **Permitting Assistant**

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_

Conditions of approval, if any:

09/20/00  
**ACCEPTED FOR RECORD**

**DEC 06 2000**

**FARMINGTON FIELD OFFICE**  
BY [Signature]

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