

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 Coal Seam SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR  
Conoco Inc.  
AMOCO Production Company ATTN: J. L. Hampton

3. ADDRESS OF OPERATOR  
5817 N.W. Expressway, Oklahoma City, OK 73112  
P. O. Box 800 Denver, Colorado 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface  
1030 790' FNL, 1590' FEL, NW/NE  
At proposed prod. zone  
1190'

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

15. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any) 790'

16. NO. OF ACRES IN LEASE  
1,692.62

17. NO. OF ACRES ASSIGNED  
TO THIS WELL  
320 acres E/2

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.  
3309' TD

19. PROPOSED DEPTH  
3309' TD

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6457 6458 GR  
This action is subject to technical and  
procedural review pursuant to 43 CFR 3165.3  
and approval pursuant to 43 CFR 3165.4.

22. APPROX. DATE WORK WILL START\*  
As soon as permitted

5. LEASE DESIGNATION AND SERIAL NO.  
SF-078414

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Day "B"

9. WELL NO.  
#16

10. FIELD AND POOL, OR WILDCAT  
Basin Fruitland Coal Gas

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA  
A Sec. 17, T29N R8W

12. COUNTY OR PARISH  
San Juan

13. STATE  
NM

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

QUANTITY OF CEMENT  
250 cf (cement to surface)  
427 cf (cement to surface)

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12 1/4"	8 5/8"	24#	250'
7 7/8"	5 1/2"	17#	3309' (TD)

Notice of Staking was submitted: 4/20/90

Lease Description:

T29N-R8W:  
Sec. 7: Lots 5-8, E/2  
Sec. 8: Lots 1-8, S/2  
Sec. 17: E/2  
Sec. 18: E/2

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AUG 17 1990  
OIL CON. DIV.  
DIST. 3

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. J. L. Hampton  
SIGNED: [Signature]  
(This space for Permit or Lease Office Use)  
TITLE: Sr. Staff Admin. Supv.  
DATE: 5/7/90  
PERMIT NO.: [Blank]  
APPROVAL DATE: [Blank]  
APPROVED BY: [Signature]  
CONDITIONS OF APPROVAL: [Blank]  
TITLE: NMOCL  
DIST. 3

\*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.

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

OIL CONSERVATION DIVISION

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator <b>AMOCO PRODUCTION COMPANY</b>		Lease <b>DAY /B/</b>		Well No. <b># 16</b>
Unit Letter <b>A</b>	Section <b>17</b>	Township <b>29 NORTH</b>	Range <b>8 WEST</b> NMPM	County <b>SAN JUAN</b>
Actual Footage Location of Well: <b>1030</b> feet from the <b>NORTH</b> line and <b>1190</b> feet from the <b>EAST</b> line				
Ground level Elev. <b>6457</b>	Producing Formation <b>Fruitland Coal</b>	Pool <b>Basin Fruitland Coal Gas</b>	Dedicated Acreage: <b>E/2 320 Acres</b>	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communization, unitization, force-pooling, etc.?  
☐ Yes ☐ No If answer is "yes" type of consolidation \_\_\_\_\_  
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 communization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, 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  
*Ronald R. Hildenbrand*  
Printed Name  
**Ronald R. Hildenbrand**  
Position  
**Supervisor, Regulatory, Environmental & Safety Affairs**  
Company  
**Conoco Inc.**

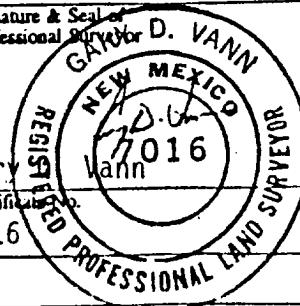
Date  
**9/5/90**

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 knowledge and belief.

Date Surveyed  
**July 2, 1990**

Signature & Seal of  
Professional Surveyor  
*Gary D. Vann*  
Gary  
Certification No.  
**7016**



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DIST. 3

RECEIVED  
SEP 10 1990

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0 500 1000 1500 2000 2640 2310 1980 1650 1320 990 660 330

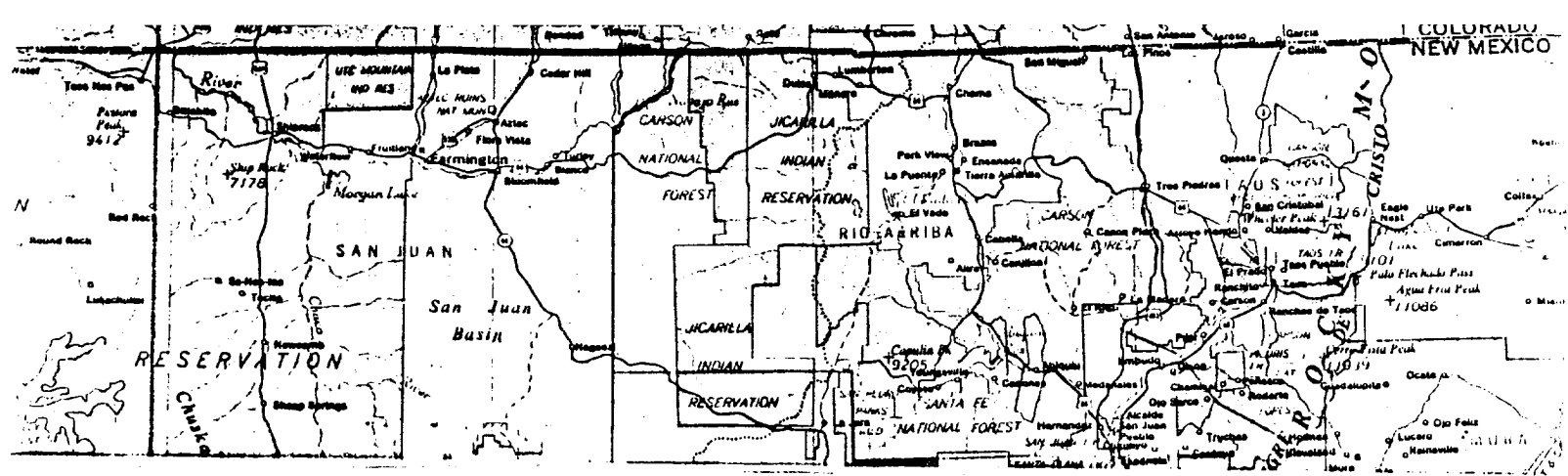
Amoco proposes to drill the well to further develop the Fruitland Coal reservoir. The well will be drilled to the surface casing point using native mud. The well will then be drilled to the total depth with a non-dispersed mud system. The attached modified 12" 3000 psi blowout preventer will be used (please see attached BOP information). The well will be completed in the Fruitland Coal with a fracture stimulation.

Quantity	Size	Weight	Description	Cementing Program
<u>SURFACE CASING</u>				
250'	8-5/8"	24#	K55 ST&C	250 cf Class B, 2% CaCl <sub>2</sub> 15.6 ppg
<u>INTERMEDIATE STRING</u>				
3309	5.5"	17#	K55 ST&C	927 cf Class B, 65:35:6 10% salt, .25% dispersant 13.1 ppg 118 cf Class B, 2% CaCl <sub>2</sub> 15.6 ppg

The above casing design is based upon a 11.0#/gal mud weight.

#### EVALUATION

The log surveys (FDC/GR/CAL, Microlog) will be run per attached drilling and completion program.



DAY /B/ # 16  
1030' F/NL 1190' F/EL  
SEC. 17, T29N, R8W, NMPM  
RAIL POINT: 169 Mi. to Montrose, CO.  
MUD POINT: 27 Mi. - Aztec, NM  
CEMENT POINT: 31 Mi. - Farmington, NM

