

30-045-27758

Form 3160-3
(November 1983)
(formerly 9-331C)

SUBMIT IN TRIPPLICATE*
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

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
Amoco Production Company ATTN: J. L. Hampton

3. ADDRESS OF OPERATOR
P. O. Box 800 Denver, Colorado 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface
1330' FEL, 790' FNL NW/NE
At proposed prod. zone
same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
15 miles from Aztec, NM

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

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.)
5885 GR

23. PROPOSED CASING AND CEMENTING PROGRAM

WEIGHT PER FOOT	SETTING DEPTH
12 1/4"	8 5/8"
7 7/8"	5 1/2"

Notice of Staking was submitted: 3-19-90

Lease Description:

T29N-R9W NMPM
Sec. 3: S/2 S/2
Sec. 4: SE/4 SE/4
Sec. 7: NE/4 SW/4
Sec. 8: SE/4, SW/4 NE/4, SE/4 NW/4, S/2 SW/4
Sec. 9: S/2, S/2 NE/4, NE/4 NE/4
Sec. 17: ALL

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APR 24 1990
OIL CON. DIV.
DIST. 3

5. LEASE DESIGNATION AND SERIAL NO.
SF-076337

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
W.D. HEATH "B"

9. WELL NO.
#100

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

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
B
Sec. 31, T30N-R9W

12. COUNTY OR PARISH
San Juan

13. STATE
NM

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

20. ROTARY OR CABLE TOOLS
Rotary

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

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. SIGNED J.L. Hampton
J.L. Hampton/CJB TITLE Sr. Staff Admin. Supv. DATE 3/30/90

PERMIT NO. APPROVAL DATE

APPROVED BY TITLE

APPROVED AS AMENDED

APR 19 1990

John J. Kella
AREA MANAGER

NMOCD
*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 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.

<u>Quantity</u>	<u>Size</u>	<u>Weight</u>	<u>Description</u>	<u>Cementing Program</u>
<u>SURFACE CASING</u>				
250'	8-5/8"	24#	K55 ST&C	250 cf Class B, 2% CaCl ₂ 15.6 ppg
<u>INTERMEDIATE STRING</u>				
2663'	5.5"	17#	K55 ST&C	746 cf Class B, 65:35:6 10% salt, .25% dispersant 13.1 ppg 118 cf Class B, 2% CaCl ₂ 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.

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

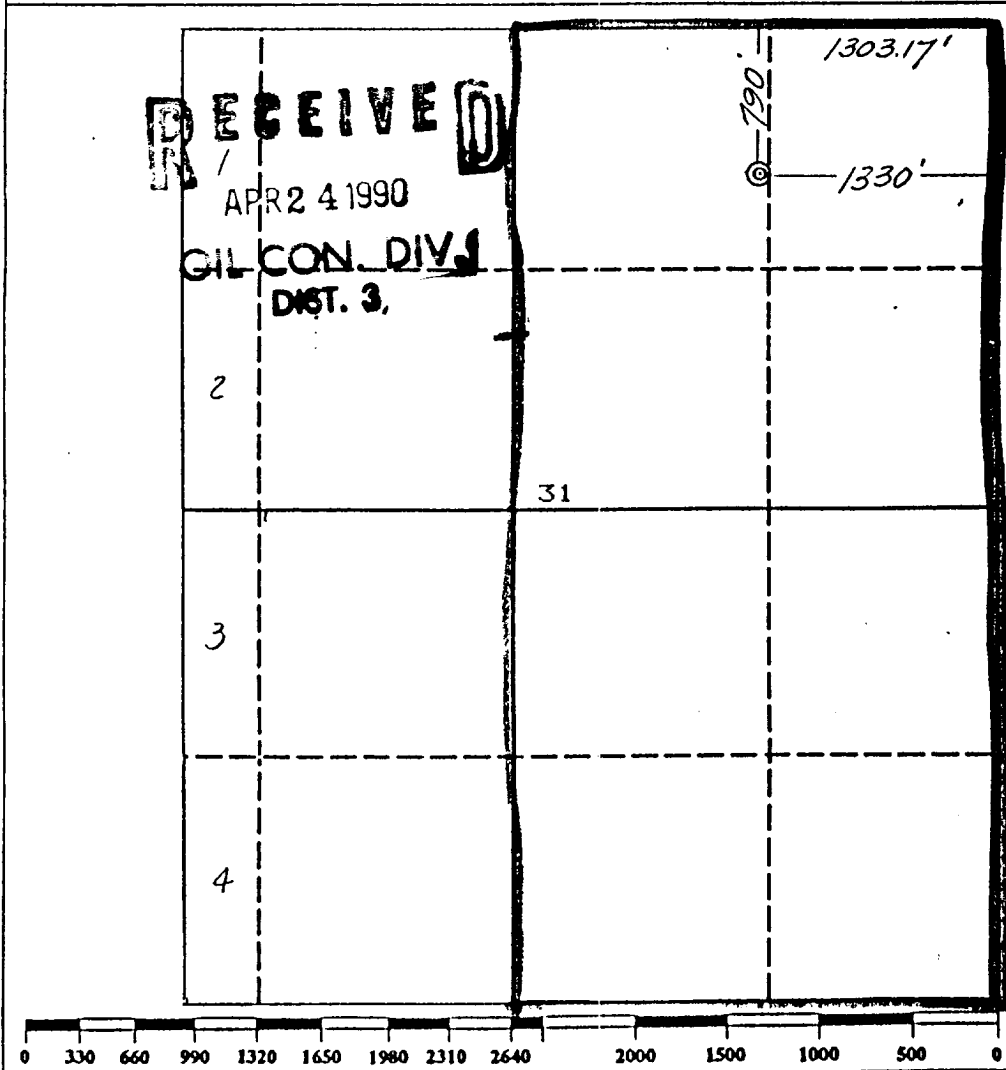
All Distances must be from the outer boundaries of the section

Operator AMOCO PRODUCTION COMPANY			Lease W. D. HEATH /B/		Well No. # 100
Unit Letter B	Section 31	Township 30 NORTH	Range 9 WEST	County SAN JUAN	

Actual Footage Location of Well:
 790 feet from the NORTH line and 1330 feet from the EAST line

Ground level Elev. 5885	Producing Formation Fruitland Coal	Pool Basin-Fruitland Coal Gas	Dedicated Acreage: E/2 320 Acres
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- 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 communitization, 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 communitization, 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: *J.L. Hampton*
 Printed Name: **J.L. Hampton**
 Position: **Se. Staff. Admin. Supv.**
 Company: **Amoco Production Company**
 Date: **3/16/90**

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: **March 8, 1990**

Signature & Seal of Professional Surveyor
GARY D. VANN
 Registered Professional Land Surveyor
 New Mexico
7016

ROW APPLICATION
 AMOCO PRODUCTION COMPANY
 W. D. HEATH /B/ # 100
 SE1/4 NE1/4 SEC. 20, T30N, R9W
 W1/2 W1/2 SEC. 21, T30N, R9W
 W1/2 NW1/4 SEC. 28, T30N, R9W
 E1/2 E1/2 SEC. 29, T30N, R9W
 NE1/4, S1/2 NW1/4 SEC. 32, T30N, R9W
 NMPM, SAN JUAN COUNTY, NEW MEXICO
 LENGTH - 15,980'

T30N R10W
 T30N R9W

ROW
 NEEDED

