

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

3-045-28261

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1A. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐

GAR
WELL ☒

OTHER

Coal Seam

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

CONOCO

3. ADDRESS OF OPERATOR

Amoco Production Company
3817 NW 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.)*

820' FNL, 1100' FEL, NE/NE

At proposed prod. zone

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

20 miles - Bloomfield, nm.

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

820'

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.)

6533' GR

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4.

PROPOSED CASING AND CEMENTING PROGRAM

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#	3342' (TD)

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

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

250 cf (cement to surface)
cf (cement to surface)

Notice of Staking was submitted: 5/22/90

Lease Description:

T29N-R8W:

Sec. 19: Lots 1-4, E/2, E/2 W/2
Sec. 20: All
Sec. 21: All
Sec. 29: All

T28N-R8W:

Sec 10: Lots 1,2

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 J.L. Hampton TITLE Sr. Staff Admin. Supv. DATE 6/20/90
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE AS A

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY: _____

NMOCD

SPR 1990
DATE 6/20/90
J.L. Hampton
AREA MANAGER

*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 ppq
<u>INTERMEDIATE STRING</u>				
	5.5"	17#	K55 ST&C	cf Class B, 65:35:6 10% salt, .25% dispersant 13.1 ppq 118 cf Class B, 2% CaCl ₂ 15.6 ppq

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

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

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

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

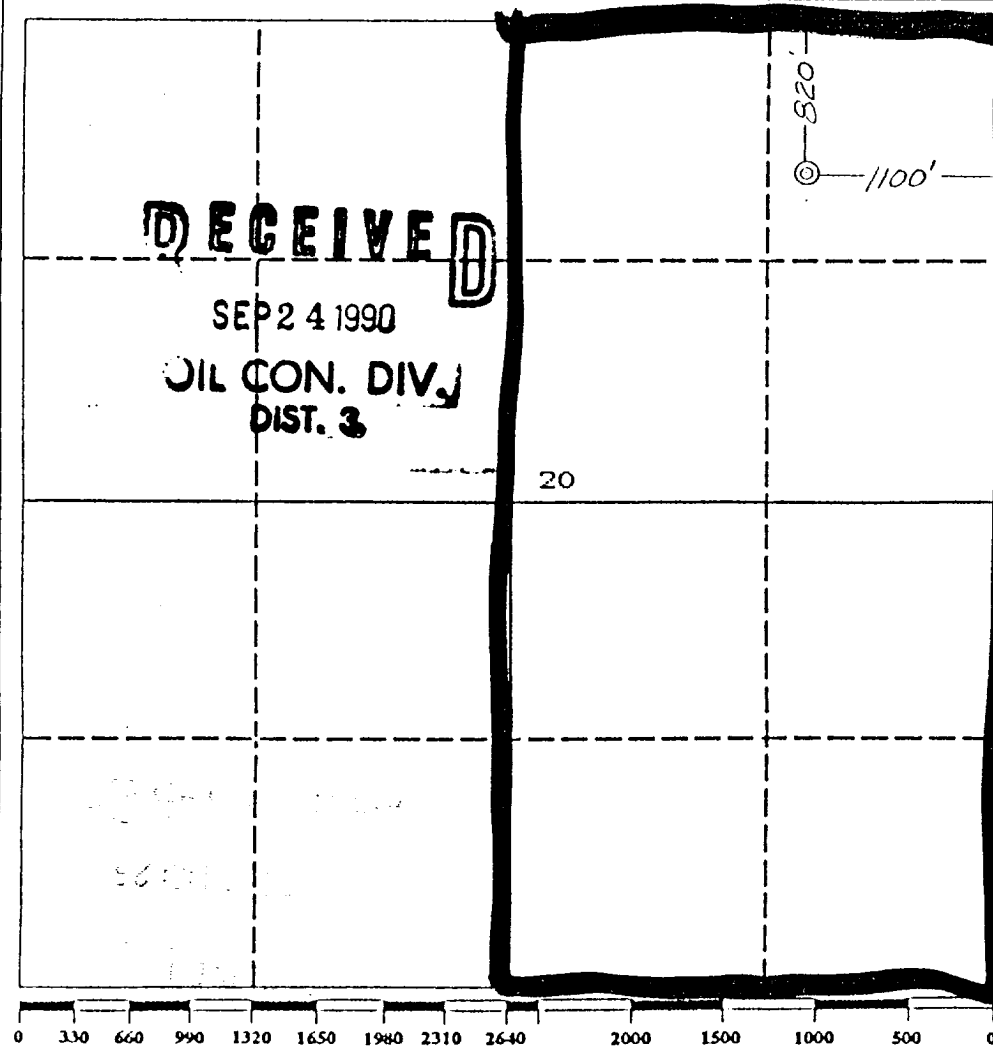
All Distances must be from the outer boundaries of the section

Operator AMOCO PRODUCTION COMPANY			Lease HUGHES /B/		Well No. # 16
Unit Letter A	Section 20	Township 29 NORTH	Range 8 WEST	County SAN JUAN	

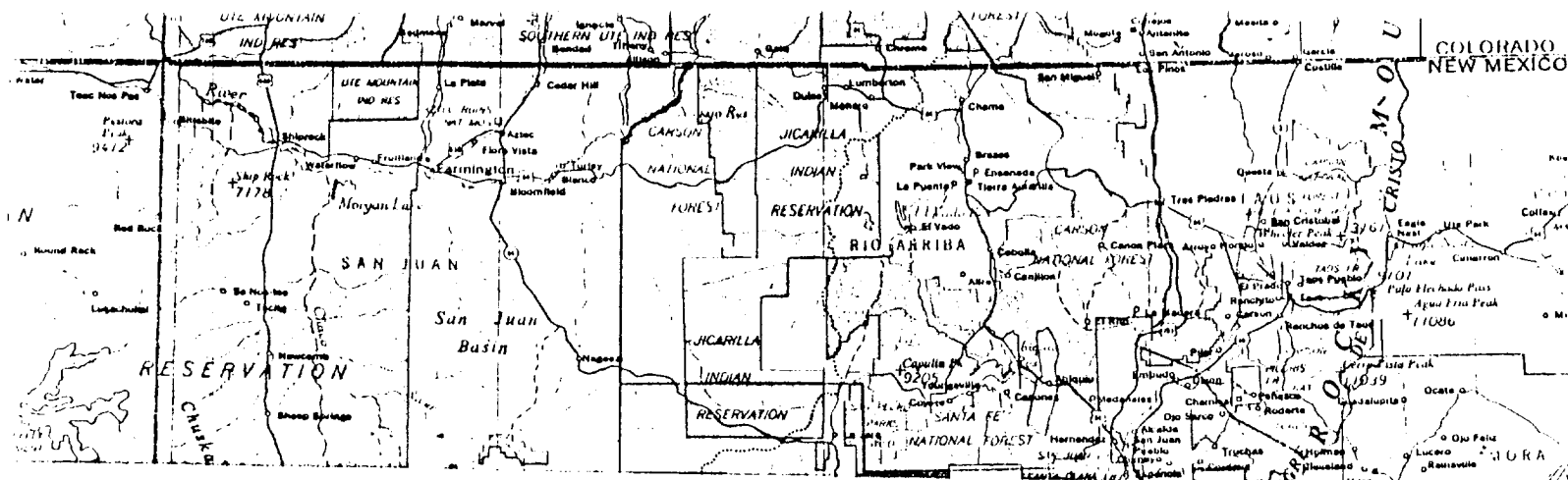
Actual Footage Location of Well:
820 feet from the NORTH line and 1100 feet from the EAST line

Ground level Elev. 6533	Producing Formation Fruitland Coal	Pool Basin Fruitland Coal Gas	Dedicated Acreage E/2 320.00 Acres
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1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. 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 <i>G. Hampton</i>	Printed Name G. Hampton
Position Sr. Staff Admin Supr	Company Amoco Prod
Date 5-22-90	
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 May 16, 1990	
Signature & Seal of Professional Surveyor <i>Gary D. Vann</i> GARY D. VANN NEW MEXICO REGISTERED PROFESSIONAL LAND SURVEYOR 7016	
Gary Certification No. 7016	



HUGHES /B/ # 16
 B20' F/NL 1100' F/EL
 SEC. 20, T29N, RBW, NMPM
 RAIL POINT: 172 miles - Montrose, Co.
 MUD POINT: 29 miles - Aztec, Nm
 CEMENT POINT: 33 miles - Farmington, Nm

