

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

2030' FSL, 970' FWL NW/SW Unit "L"

At proposed prod. zone

Same

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

6 miles Aztec, NM

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 970'

16. NO. OF ACRES IN LEASE 2,475.61

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

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

19. PROPOSED DEPTH 2654' TD

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) THIS SECTION IS SUBJECT TO TECHNICAL AND PROCEDURAL REVIEW PURSUANT TO 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.
5912' GR

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

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	250'	250 cf (cement to surface)
7 7/8"	5 1/2"	17#	2654' (TD)	743 cf (cement to surface)

Notice of Staking was submitted: 6/28/90

Lease Description:

T31N-R11W

Sec. 25: NE/4 SW/4, N/2 SE/4
Sec. 27: N/2 NW/4, W/2 SW/4, SE/4 SW/4
Sec. 28: All
Sec. 29: N/2, SE/4
Sec. 30: NE/4, E/2 NW/4, NE/4 SW/4, NW/4 SE/4
Sec. 31: E/2 SW/4, SE/4
Sec. 32: W/2 NE/4, SW/4 SW/4, NW/4 SE/4

APR 30-045-28084
(To replace original APD expired)

RECEIVED
FEB 18 1992
OIL CON. DIV.
DIST. 3

RECEIVED ROOM
FEB 7 AM 8:55

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
TITLE Sr. Staff Admin. Supv. DATE 2/6/92

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY TITLE
CONDITIONS OF APPROVAL, IF ANY:

APPROVED
AS AMENDED

FEB 18 1992
AREA MANAGER

NMOOD

*See Instructions On Reverse Side

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

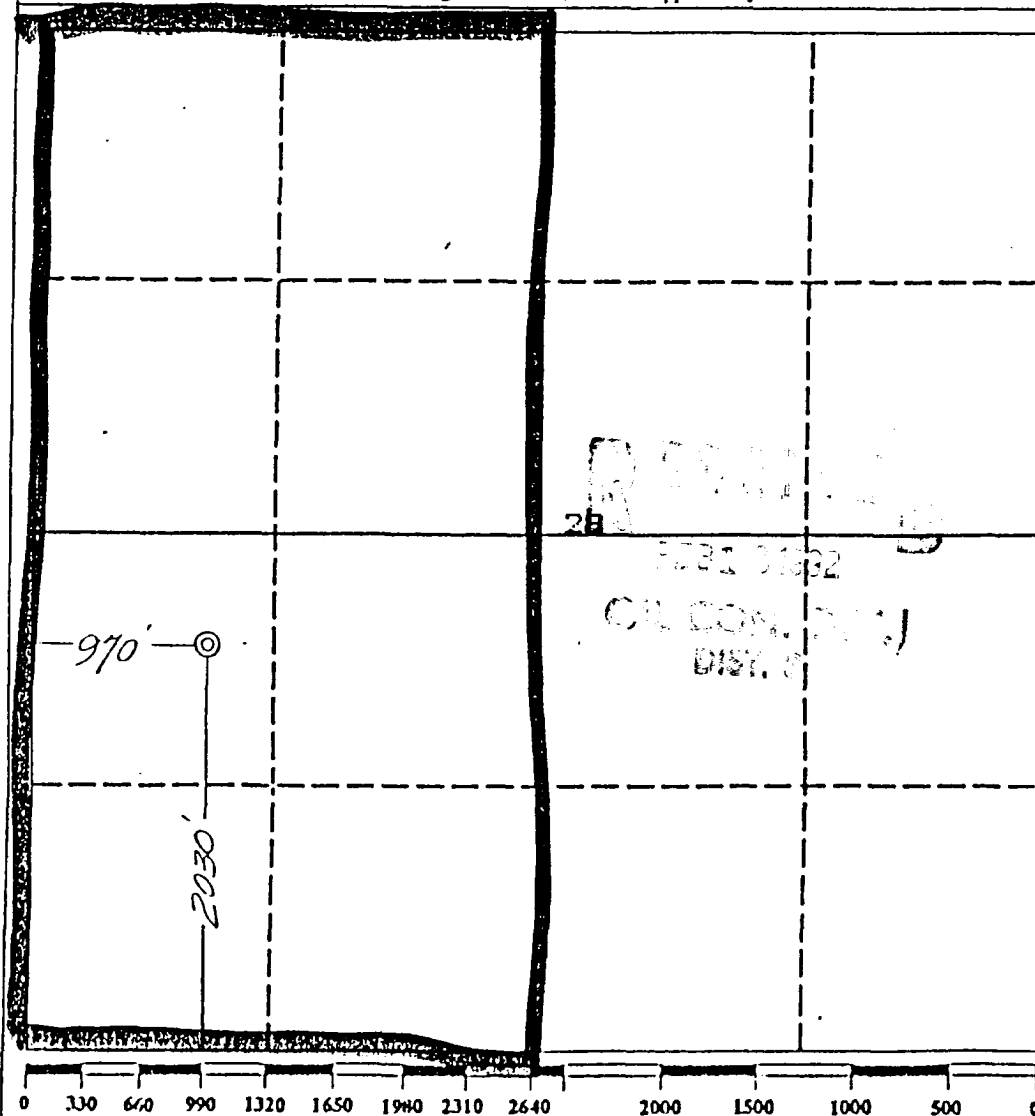
All Distances must be from the outer boundaries of the section

Operator AMOCO PRODUCTION COMPANY			Lease HEATON /A/		Well No. # 12
Unit Letter L	Section 28	Township 31 NORTH	Range 11 WEST	County NMPM SAN JUAN	

Actual Footage Location of Well:

2030 feet from the SOUTH line and		970 feet from the WEST line	
Ground level Elev. 5912	Producing Formation Fruitland Coal	Pool Basin Fruitland Coal Gas	Dedicated Acreage W/2 320.00 Acres

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 *[Signature]*
Printed Name **JL Hampton**
Position **Sr Staff Admin Supr**
Company **Amoco Prod**
Date **6-8-90**

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 31, 1990

Signature & Seal of Professional Surveyor
GARY D. VANN
NEW MEXICO
REGISTERED PROFESSIONAL LAND SURVEYOR
7016

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

SURFACE CASING

250'	8-5/8"	24#	K55 ST&C	250 cf Class B, 2% CaCl ₂ 15.6 ppg
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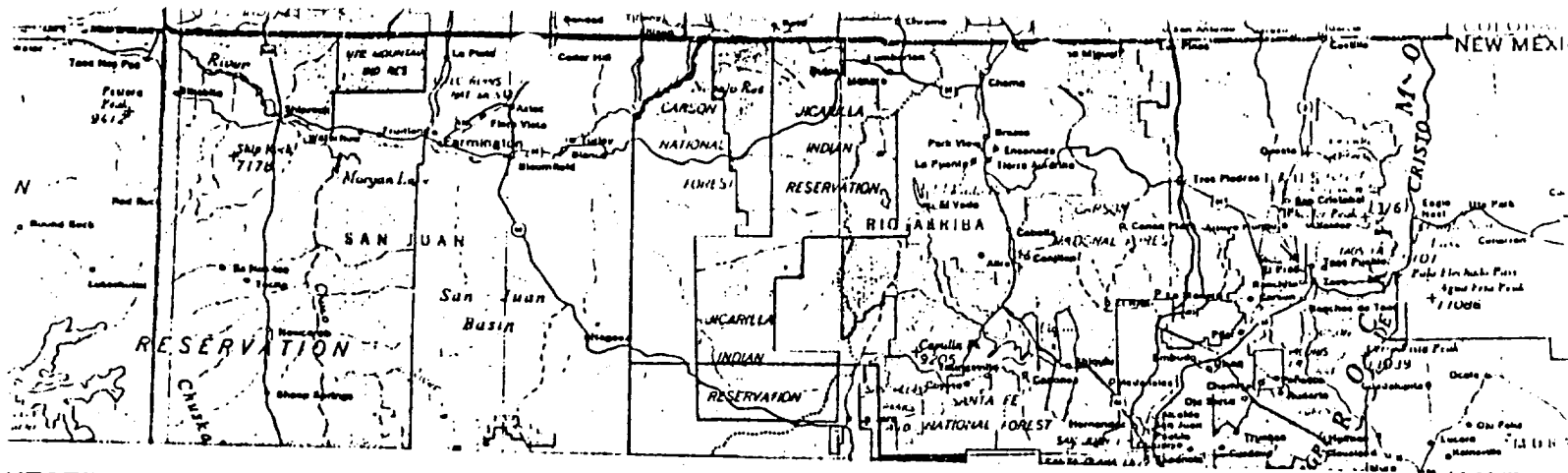
INTERMEDIATE STRING

265'	5.5"	17#	K55 ST&C	743. cf Class B, 65:35:6 10% salt, .25% dispersant 13.1 ppg 118 cf Class B, 2% CaCl ₂ 15.6 ppg
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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.



HEATON /A/ # 12
 2030' F/SL 970' F/WL
 SEC. 28, T31N, R11W, NMPM
 RAIL POINT: 149 miles - Montrose, Co.
 MUD POINT: 6 miles - Aztec, NM
 CEMENT POINT: 20 miles - Farmington, NM

