

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-045-28606

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 2150' FSL, 790' FWL, NW/SW
At proposed prod. zone same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
8 miles from Aztec

10. 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.)
6106' GR This action is subject to technical and procedural review pursuant to the proposed permit to drill program and appeal pursuant to 43 CFR 3160.4.

23. PROPOSED PERMIT TO DRILL PROGRAM

SIZE OF HOLE	SIZE OF CARING	WEIGHT PER FOOT	SETTING DEPTH
12 1/4"	8 5/8" 9 5/8"	24# 36	250'
7 7/8" 8 3/4"	5 1/2" 7"	17# 23	2958' 2268' (TD)
6 1/4"			2958'

Notice of Staking was submitted: 7/19/91

Lease Description: T31N-R11W:

Sec. 8: E/2
Sec. 9: All
Sec. 14: S/2 SE/4
Sec. 17: E/2
Sec. 20: Lots 1-6, N/2 NE/4 (E/2)
Sec. 21: Lots 1-6, All
Sec. 23: W/2 NE/4, E/2 NW/4, NE/4 SW/4, NW/4 SE/4

RECEIVED

OCT 7 1991

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 J. L. Hampton/cub TITLE Sr. Staff Admin. Supv. DATE 8/29/91
(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED
AS AMENDED

APPROVED BY TITLE

Carroll Crest Western Drilling

NMOCD

OCT 04 1991
John Kelly
AREA MANAGER

*See Instructions On Reverse Side

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" 9 5/8"	24# 36	K55 ST&C	250 cf Class B, 2% CaCl ₂ 15.6 ppg
<u>INTERMEDIATE STRING</u>				
2958' 2268'	5.5" 7"	17# 23	K55 ST&C	828 635 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

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21M

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

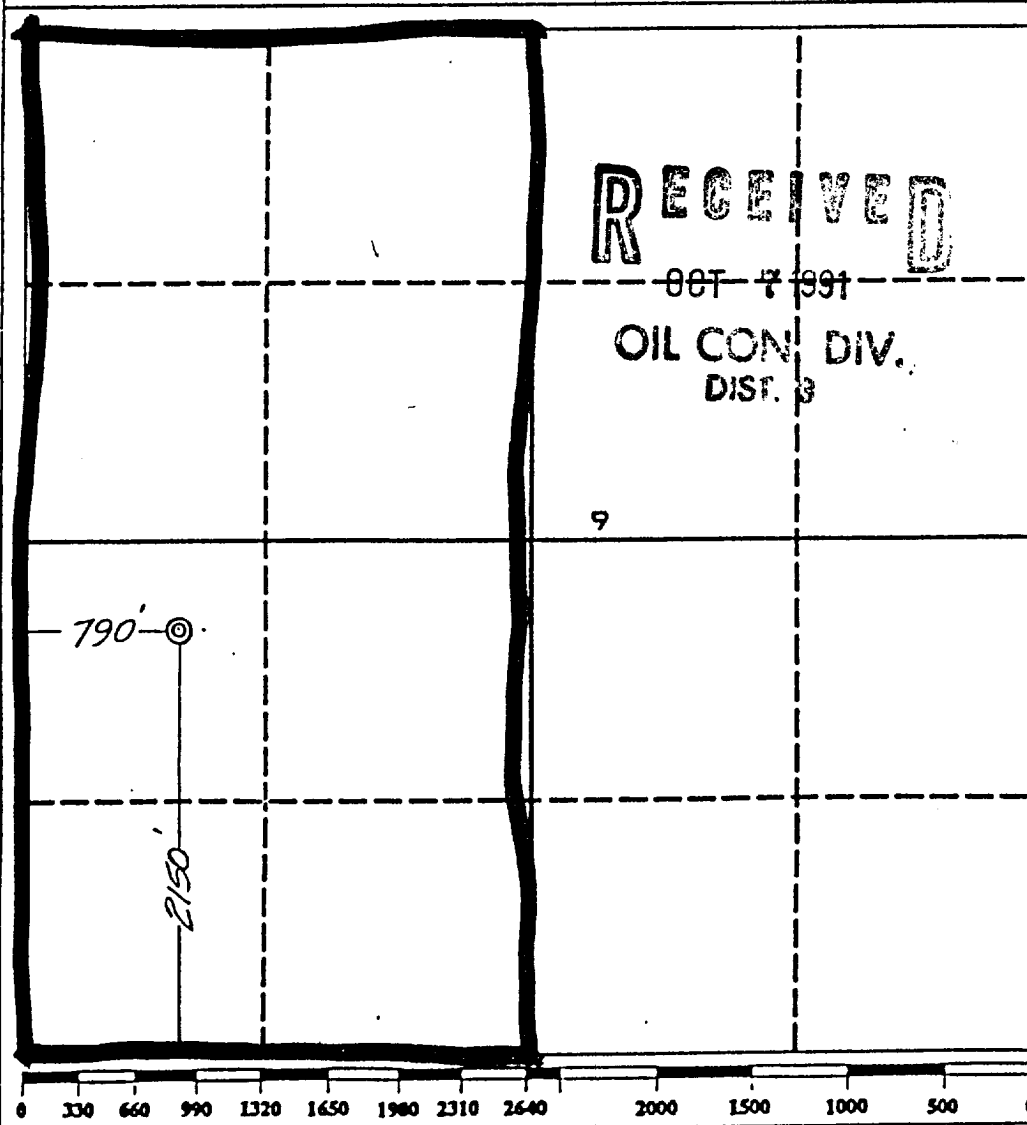
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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 MUDGE /C/		Well No. # 60
Unit Letter L	Section 9	Township 31 NORTH	Range 11 WEST	County SAN JUAN
Actual Footage Location of Well: 2150 feet from the SOUTH line and 790 feet from the WEST line				
Ground level Elev. 6106	Producing Formation Fruitland Coal	Pool Basin Fruitland Coal Gas	Dedicated Acreage: W/2 320 Acres	
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.</p> <p>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).</p> <p>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.? <input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes" type of consolidation _____</p> <p>If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____</p> <p>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.</p>				



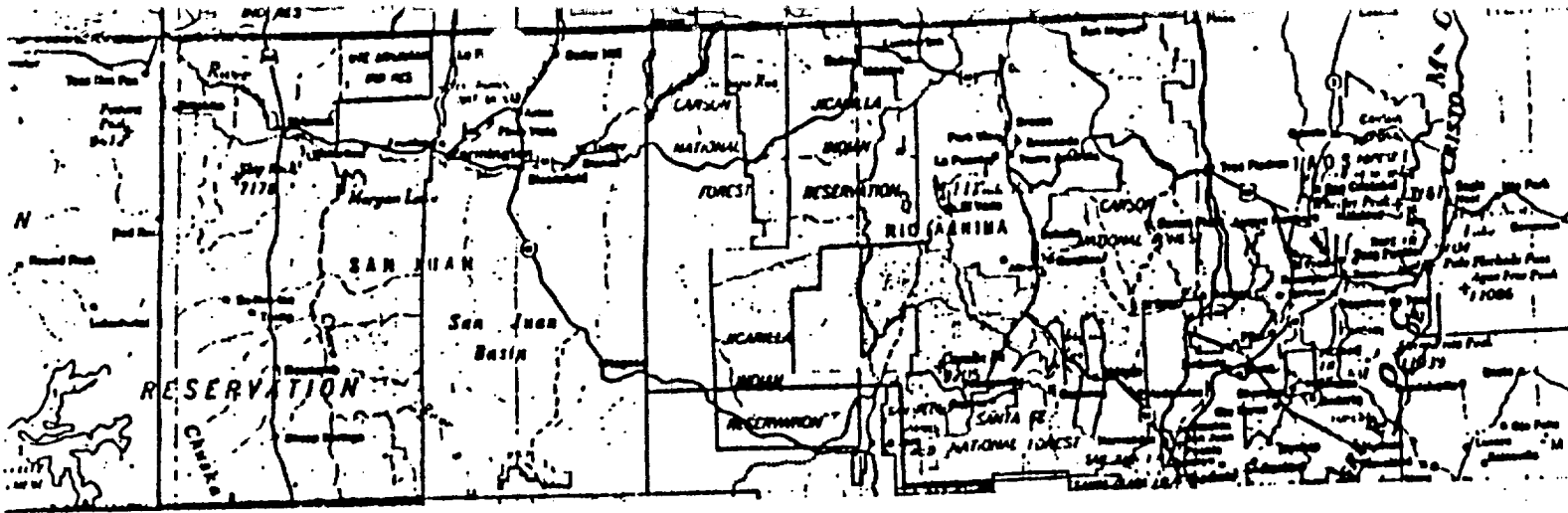
OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature G. L. Hampton
Printed Name G. L. Hampton
Position Sr. Staff Admin Supr
Company Amoco Production Co
Date 7-19-91

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 6, 1991

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



MUDGE /C/ # 60
 2150' F/SL 790' F/WL
 SEC. 9, T31N, R11W, NMPM
 RAIL POINT: 144 miles from Montrose
 MUD POINT: 8 miles from Aztec NM
 CEMENT POINT: 22 miles from Farmington NM

NEW ROAD
 (1120'±)
 MUDGE
 /C/ # 60

