

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

30-045-28651

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  
 3. ADDRESS OF OPERATOR  
ATTN: J. L. Hampton

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 P. O. Box 800 Denver, Colorado 80201  
 At surface 1920' FNL, 1560' FEL SW/NE Unit **AG**  
 At proposed prod. zone same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
6 miles to Aztec

16. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1560'  
 18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 19. NO. OF ACRES IN LEASE 2512.00  
 20. PROPOSED DEPTH 2701' TD

17. NO. OF ACRES ASSIGNED TO THIS WELL 220 acres E/2 300.03  
 21. ELEVATIONS (Show whether DF, RT, GR, etc.) This action is subject to technical and procedural review pursuant to 43 CFR 3160.3 and appeal pursuant to 43 CFR 3160.4  
 5873' GR  
 22. APPROX. DATE WORK WILL START\* As soon as permitted

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#	2701' (TD)

6. LEASE DESIGNATION AND SERIAL NO.  
SF-078096  
 7. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 7. UNIT AGREEMENT NAME  
 8. FARM OR LEASE NAME  
Mudge "B" *AGB*  
 9. WELL NO.  
#63  
 10. FIELD AND POOL, OR WILDCAT  
Basin Fruitland Coal Gas  
 11. SEC., T., R., W., OR R.R. AND SURVEY OR AREA  
G Sec. 21, T31N-R11W  
 12. COUNTY OR PARISH  
San Juan  
 13. STATE  
NM

Notice of Staking was submitted: 5/29/90

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

To replace original APD expired  
**API. 30-045-28082**

RECEIVED  
 FEB 18 1992  
 8:53  
 AREA

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 Sr. Staff Admin. Supv. DATE 2/6/92  
 (This space for Federal or State office use)

PERMIT NO. APPROVAL DATE  
**APPROVED AS AMENDED**  
 FEB 13 1992  
 AREA MANAGER

*ok*  
 (2)

NM000

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 <sub>2</sub> 15.6 ppg
<u>INTERMEDIATE STRING</u>				
270'	5.5"	17#	K55 ST&C	756 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.

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

RECEIVED  
 92 FEB -7  
 # 63

Operator <b>AMOCO PRODUCTION COMPANY</b>		Lease <b>MUDGE /B/</b>		Well No. <b># 63</b>
Unit Letter <b>B</b>	Section <b>21</b>	Township <b>31 NORTH</b>	Range <b>11 WEST</b>	County <b>SAN JUAN</b>

Actual Footage Location of Well:  
 1920 feet from the NORTH line and 1560 feet from the EAST line

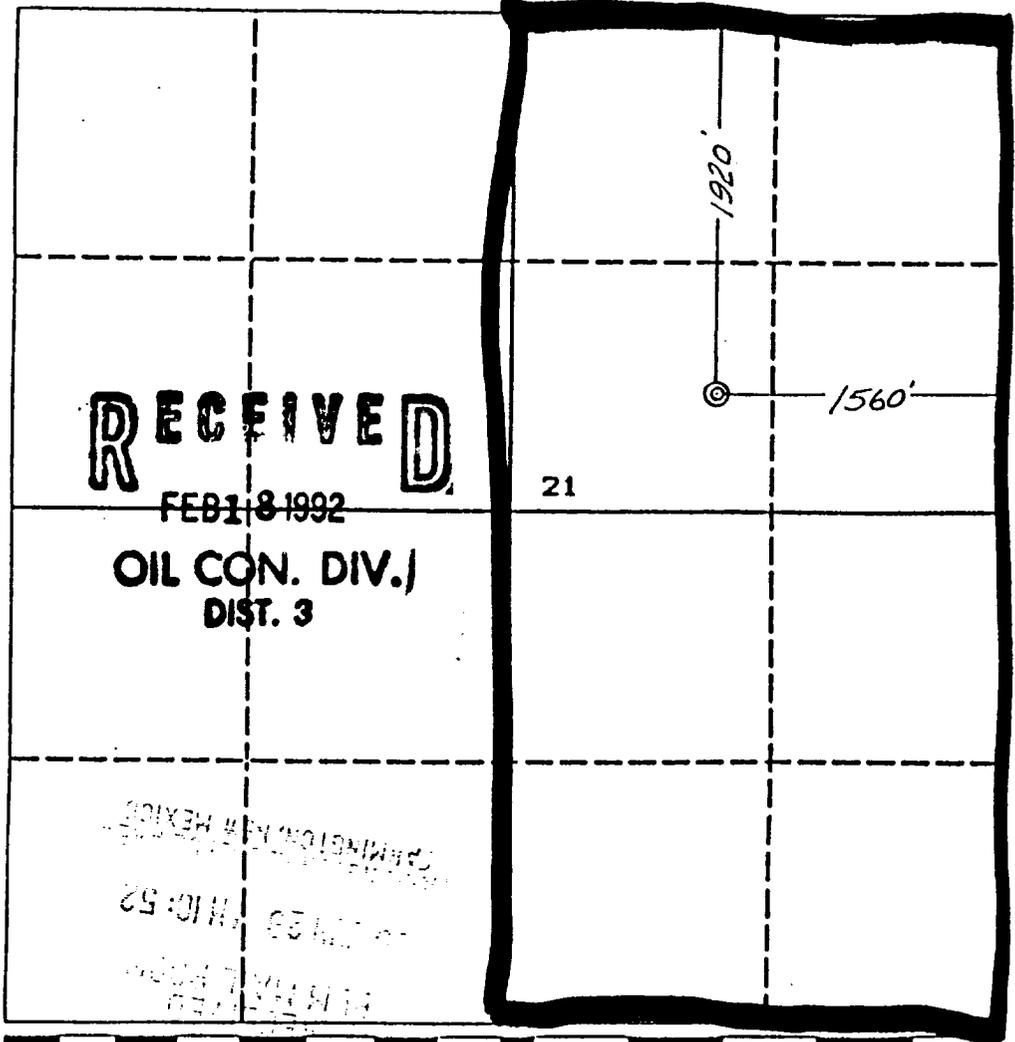
Ground level Elev. <b>5873</b>	Producing Formation <b>Fruitland Coal</b>	Pool <b>Basin Fruitland Coal Gas</b>	Dedicated Acreage: <b>E/2 300.03 Acres</b>
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- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the 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 \_\_\_\_\_

Printed Name  
**JL Hampton**

Position  
**Sr Staff Admin Sup**

Company  
**Amoco Prod**

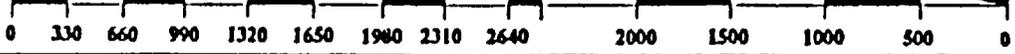
Date  
**5-29-90**

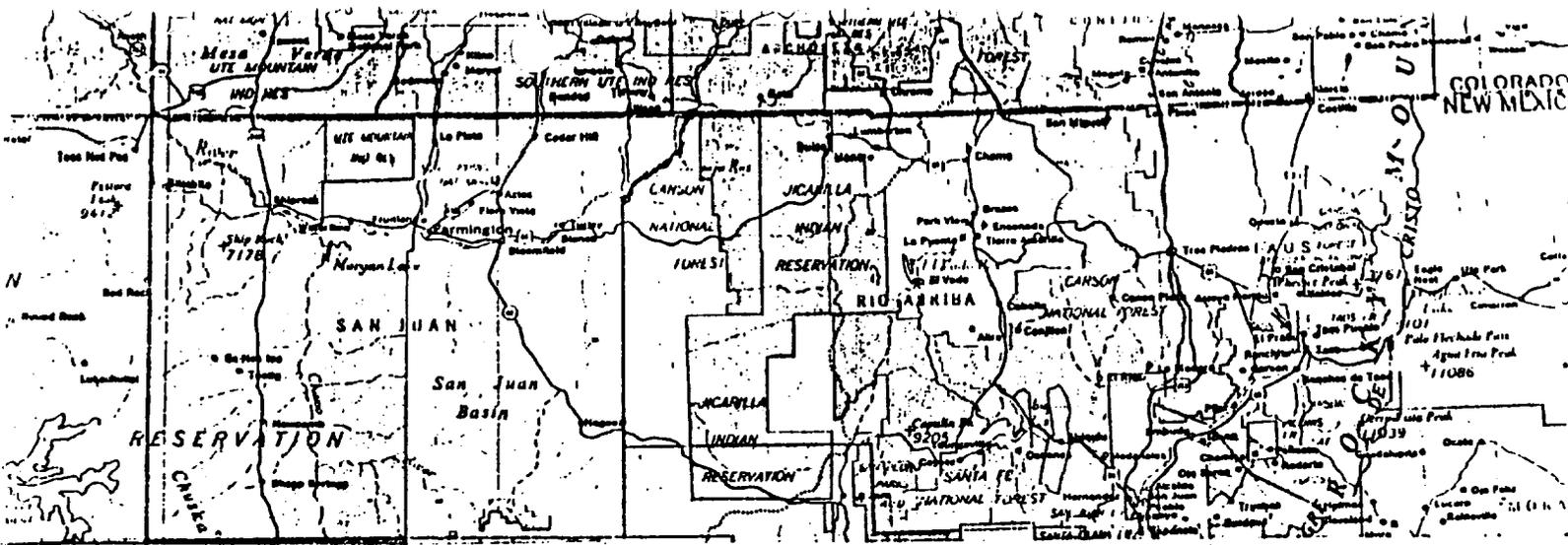
**SURVEYOR CERTIFICATION**  
 I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
**May 23, 1990**

Signature & Seal of Professional Surveyor  
**GARY D. VANN**

**NEW MEXICO**  
**REGISTERED PROFESSIONAL LAND SURVEYOR**  
**7016**





MUDGE /B/ # 63  
 1920' F/NL 1560' F/EL  
 SEC. 21, T31N, R11W, NMPM  
 RAIL POINT: 49 miles - Montrose, Co.  
 MUD POINT: 6 miles - Aztec, NM  
 CEMENT POINT: 20 miles - Farmington NM

