SUBMET IN TRIPLICATE. Form 3160-3 Form approved. Budget Bureau No. 1004-0136 (Cither instructions on reverse side) (November 1983) UNITED STATES Expires August 31, 1985 (formerly 9-3.11C) DEPARTMENT OF THE INTERIOR S. LEARE DEMISSRATION AND SERIAL NO. Y 19 PM 12: 45 BUREAU OF LAND MANAGEMENT SF-081001 6. IF INUIAN, ALLUTTED OR TRISS NAME APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 7. UNIT AUBSEMENT NAME DRILL 🖸 DEEPEN PLUG BACK b. TTPE OF WELL Coal Seam SINGLE X MULTIPLE S. FARM OR LEASE HAME ### D Ser X OTREE 2. NAME OF UPERATOR Florance S 9. WELL NO. Amoco Production Company 3. ADDRESS OF OPERATOR 10. FIELD AND POOL, OR WILDCAT 2325 East 30th Street, Farmington NM 87401 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*) Basin Fruitland Coal Gas 11. SSC., T., R., M., OR SLE. 1490' FNL X 1430' FEL At proposed prod. some SWNE Sec 23 T30N R9W 14. DINTANCE IN MILES AND DIRECTION FROM MEAREST TOWN OR POST OFFICE® 12. COUNTY OR PARISH | 13. STATE 16 miles northeast of Aztec NM San Juan 13. DISTANCE FROM PROPUSED\*
LOCATION TO NEAREST
PROPERTY OR LEARE LINE, PT.
(Also to searest drig, unit line, if any) NO. OF ACRES ASSIGNED TO THIS WELL 16. NO. OF ACRES IN LEASE 320.00 320 N/2 1430' See attached plan 3000' 18. DISTANCE FROM PROPOSED LOCATION 20. BUTART OR CABLE TOULS TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. Rotary | 22. APPROS. DATE WORE WILL START\* 21. SLEVATIONS (Show whether DF, RT, GR. etc.) 6007' This action is subject to technical and SUBJECT TO 77 "GENERAL REQUIREMENTING AND CEMENTING PROGRAM procedural review pursuant to 43 CFR 3165.3 and appeal auravant to-43 CFR 3165.4. WEIGHT PER FOOT SIZE OF HOLE BIZE OF CARING SETTING DEPTH 12-1/4" 9-5/8" 36# K55 2501 200 cf Class B 8-3/4" 20# K55 704 cf Class B 25051 6-1/4" 5-1/2" 23# PI10 27381 Notice of Staking was submitted 4-18-89. Lease description: T30N-R9W, NMPM Sec. 13: SW/4 JUN1 9 1989 Sec. 23: NE/4 OIL CON. DIV DIST. 3 IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive some and propose 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. Supv TITLE ... Admin BICKED (This space for Federal or State office PERMIT NO. APPROVED BY CONDITIONS OF APPROVAL, IF ANY:

Title 18 II S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the

"See Instructions On Reverse Side

PANCE.

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 intermediate casing point with a non-dispersed mud system. The attached modified 11" 3000 psi blowout preventer will be used. Amoco will attempt to complete the Fruitland coal by drilling the interval with water and air. A service unit will probably be used to drill into the coals using the attached modified 6" 3000 psi BOP. If commercial productivity is established, then a 5-1/2" uncemented liner will be run. Amoco reserves the right to utilize a drilling rig to drill this hole section.

Quantity	Size	Weight	Description	Cementing Program
SURFACE CASING	9-5/8"	36#	K55 ST&C	200 cf Class B, 2% CaCl <sub>2</sub> 15.6 ppg
INTERMEDIATE S	TRING 7"	20#	K55 ST&C	704 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
LINER 300'	5-1/2"	23#	P110 LT&C	None

The above casing design is based upon a 9.0#/gallon mud weight.

#### CONTINGENCY OPERATIONAL PLAN

In the event the well does not yield commercial volumes of gas from the open hole completion, the water filled hole will be mudded-up and weighted-up as necessary (9-11#/gal.) for hole stability and well control. The well will then be deepened approximately 250' into the Pictured Cliffs formation to provide necessary footage for a cased and cemented completion technique. The Fruitland coals will then be perforated and fracture stimulated. The Pictured Cliffs formation will be isolated with cement.

## CONTINGENCY LINER 650' 4-1/2" 11.6# K-55 LT&C 250 cf Class B

The contingency string is based upon a 11.0#/gallon mud weight.

#### Evaluation:

Mud logs will be the only logs run if the well is completed as an open hole. The log surveys (FDC/GR/CAL, DIL/SP/GR, Microlog, Mudlogger) will be run only if the well is drilled into the Pictured Cliffs formation, and only if well condition is suitable to allow proper wireline log interpretation.

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section 1000 Rio Brazos Rd., Aziec, NM 87410 # 4 FLORANCE /S/ AMOCO PRODUCTION COMPANY County Rese SAN JUAN Unit Letter 9 WEST 30 NORTH **NMPM** Actual Footage Location of Well: EAST line 1430 feet from the NORTH HE AND 1490 feet from the Dedicated Acreage: Producing Formation Fruitland Ground level Elev. N/2 320 Basin Fruitland Coal Gas Acres 6007 1. Outline the acreage dedicated to the subject well by colored pencil or hackure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the covnership 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 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 in true and complete to the best of my insuladge and belief. Zitanone (S) B. D. Shaw -/430'-Admin. Supv. Amoco Production Date <u>4-18-89</u> SURVEYOR CERTIFICATION 23 I hereby certify that the well location sh on this plat was platted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my knowledge and belief. Date Surveyed April 14, 1989 GROW D. VANN 力016 Gary 7016 PESSIONAL 500 1000 1500 990 1320 1650 1900 2310 2640 2000

