Form 3160-3 (November 1983) (formerly 9-331C)

#### SUBMIT IN TRIPLICATE. (Other instructions on

reverse side)

30-045-28445

Budget Bureau No. 1004-0136 Expires August 31, 1985

# **UNITED STATES**

DEPARTMENT OF THE INTERIOR				G. LEARE DEHIGNATION AND BERIAL NO.			
BUREAU OF LAND MANAGEMENT					SF-078146		
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK				ACK T	G. IF INDIAN, ALLOTTER	OR TRIBE NAME	
	RILL 🔀	DEEPEN [	J	PLUG BAC	CK 🗆	7. UNIT AGREEMENT NA	мв
	WELL X OTHER CO	al Seam	81N 201	OLB X BULTIP	LR 🗌	8. FARM OR LEASE NAM	3
2. NAME OF OPERATOR						Newberry "A"	<del></del>
Amoco Produc	tion Company	ATTN: J	La_la_	Hampton		#9	
D O Boy 90	O Donuar Cal	orado 8020	11			10. FIELD AND POOL, OR WILDCAT	
4. LOCATION OF WELL	O Denver, Col (Report location clearly and	in accordance wit	h any S	tate requirements.*)		Basin Fruitla	nd Coal Gas
830'	FNL, 940' FEL,	NE/NE				11 SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
At proposed prod. 2	tone					Sec. 34, T32N	R12W 🐁
14. DISTANCE IN MILE	8 AND DIRECTION FROM NEA	REST TOWN OR POS	T OFFICE	;•		12. COUNTY OR PARISH	13. STATE
						San Juan	NM
LOCATION TO NEAREST					OF ACRER ASSIGNED		
				,240.00	320 acres E/2		
TO NEAREST WELL, DRILLING, COMPLETED,					ARY OR CABLE TOOLS		
· · · · · · · · · · · · · · · · · · ·	whether DF, RT, GR, etc.)		1 26	34' TD	Re	otary 22, APPROX, DATE WO	
•						ì	
6236 s <sup>2</sup> action is subject t	o technical and				O.F.A.	As soon as p	
andreal review BUIS	STATE OF ALL CHAPTER	PROPOSED CASI	NC VNI	CEMENTING PROGR	AM DEGL	UNG OPERATIONS AUT	•
apperarpursuent to	4B CFAIZ MOCANING	WEIGHT PER P		BETTING DEPTH	0.51.5	QUANTITY OF CRME	Mar Allached
12_1/4"	9 5/8"	36#		250:	_ 200_c	F.Class_B_(ceme	nt_to_surfa
8_3/4"	7"	20#	<del></del>	2434		f_Class_D_(ceme	nt to surfa
6 1/4"	5 1/2"	23#		2634' (TD)	None		

Notice of Staking was Submitted: 10/22/90

Lease Description:

See attached



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive some 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. TITLEST. Staff Admin. Supervisor (This appear for Federal of State bifte use PERMIT NO. APPROVED BY CONDITIONS OF APPROVAL, IF ANT: \*See Instructions: On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowledly and willfully to make to any department or sucney of the United States any latse, 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 intermediate casing point wit a non-dispersed mud system. The attached modified 12" 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 the well will be completed as an open hole.

#### SURFACE CASING

Quantity	Size	Weight	Description	Cement Program
2501	9 5/8"	36#	K55 ST&C	200 cf Class B, 2% CaCL <sub>2</sub> 15.6 ppg

#### INTERMEDIATE CASING

Quantity	Size	Weight	Description	Cement Program
2 <del>4</del> 34'	7''	20#	K55 ST&C	68 cf Class B, 65:35:5 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 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 200' 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# K55 LT&C 250 cf Class B

The contingency string is based upon an 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, 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.

apdatt.clb disk 210

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 LYVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

<u>DISTRICT I</u> P.O. Box 1980, Hobbs, NM 88240

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

WELL LOCATION AND ACREAGE DEDICATION PLA

Rio Brazos Rd., Aziec, NM 87410	All Distances must be	from the outer boundaries of the section		Well No.
AMOCO PRODUCTIO	N COMPANY	NEWBERRY /A/		# 9
Letter Section 34	Township 32 NORTH	Range 12 WEST NMF	County	SAN JUAN
ual Footage Location of Well:	NORTH line and	940 feet fro	om the	AST line
feet from the	Formation	Basin Fruitland Coa	1 Gas	320.00 Acres
1. Outline the acreage dedicated	In the subject well by colored per	ocil or hachure marks on the plat below.	<u> </u>	
2. If more than one lease is ded	icated to the well, outline each and	lidentify the ownership thereof (both as to wo	rking interest and	royalty).
unitization, force-pooling, etc Yes If answer is "no" list the owner	:7   No   If answer is "yes" ty s and tract descriptions which have	actually been consolidated. (Use reverse side	of	
this form if neccessary.  No allowable will be assigned to	o the well until all interests have b minating such interest, has been ap	een consolidated (by communitization, unitizal proved by the Division.	tion, forced-poolin	g, or otherwise)
OIL CON'D	a	@940'-	Company  Date  I hereby certion this plat survey supervison, au correct to the best of my know.	OR CERTIFICATION certify that the information in true and complete to intellige and belief.  MATHORITY HOLLS
			Gary 91 Centify 13	MEXICO BUNDANA OF THE PROPERTY
		000 1500 1000 500 0		POFESSIONAL CAT

