30-045-27760

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

(Other instructions on reverse side) UNITED STATES DEPARTMENT OF THE INTERIOR

SUBMIT IN TRIPLICATE.

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

		i Or THE I					5. LEASE DESIGNATION	
BUREAU OF LAND MANAGEMENT							SF-078336B	AND BERIAL NO.
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK						6. IF INDIAN, ALLOTTE	I OR TRIBE NAME	
··· or would				STY OR TE	<u>.00 b</u>	ACK		- OR INIDE NAME
b. TYPE OF WELL	RILL 🔯	DEEPEN		PLU	G BAC	K 🗆	7. UNIT AGREEMENT 1	EMAP
OIL OVERATOR 2. NAME OF OPERATOR	VELL X OTHER C	oal Seam		NGLE X	MULTIP.	rm 🗌	8. FARM OR LEASE NA	MB
							Barrett "A"	
3. ADDRESS OF OPERATOR	ion Company	ATTN:	L.L.	_Hampton			9. WELL NO.	
							#15	
P. O. BOX 800 4. LOCATION OF WELL (R	Denver, Co Report location clearly and	lorado 8020) J		, her		10. FIELD AND POOL,	OR WILDCAT
At surface	ceport location clearly and	I in accordance wit	th any S	tate requirement	s.°)		į	
2090 FSL	, 1040' FWL	NW/SW			* ************************************		Basin Fruitla 11. smc., T., R., M., OR AND SURVEY OR A	DI.K
1/							Sec.20, T3.	ln.R9W
14. DISTANCE IN MILES	and direction from NEA from Aztec,	REST TOWN OR POS	TOFFICE	•				
		NM .				ĺ	12. COUNTY OR PARISH	13. STATE
10. DISTANCE FROM PROP LOCATION TO NEARES: PROPERTY OR LEASE I (Also to Degrest dr)	1040	•	16. NO	OF ACRES IN LE	EABE	17. NO. O	San Juan of Acres Assigned iiis well	NM
13. DISTANCE FROM PROF	20000		10			,_320	acres W/2	317.5c
TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.						20. ROTAL	RY OR CABLE TOOLS	31 (10 (2)
21. ELEVATIONS (Show wh	ether DF, RT, GR, etc.)			78' TD		Ro	tary	
6579 '	DRILLING OF	ERATIONS AUTHO	PRIZED	ARE			22. APPROX. DATE WO	RE WILL START
23.		COMPLETE WITH YOU	متنخف نظ	LOUGD.			As soon as p	ermitted
	"GENERAL R	POPOSED CASIN	G AND	CEMENTING I	PROGRA	Whis acti	on is subject to tech	ninal and
SIZE OF HOLE	BIZE OF CABING	WEIGHT PER FO	от	SETTING DEP	TH	procedu.	al review pursuant to	0 43 GFR 3165 3
12_1/4"	9 5/8"	36#				and appe	al porsuant of 25 C	FR 3165.4
8 3/4"	7 "	20#		<u>250'</u> 3128'		ZUU CE	_Class B (como	nt to auxer-
6 1/4"	4 1/2"	234 11.	6	22701		0/0 cf	Class B (ceme	nt to surface
l	· •	1 "	-	(1	D)	None		
							4.7	
Notice of St	aking was Submi	tted: 3/20)/90					

Lease Description:

T31N, R9W:

Sec. 19: Lots 5-20 Sec. 20: Lots 1-16 APR2 4 1990

OIL CON. DIV.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive sone 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

4.				
SIGNED HA	motor/a	B titust	. Staff Admin. Superviso	DE DATE 3/28/90
PERMIT NO.	-		APPROVAL DATE	APPROVED AS AMENDED
APPROVED BY CONDITIONS OF APPROVAL	L, IF ANY:	TITLE		CAPR 20 1990
•	h7.6		14000	AREA MANAGER
		'See Instruction	Con Rayama Cida	<i>,</i>

see instructions. On Keverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department of United States any false finitions of the finite of the



OIL CON. DIV.

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
250 '	9 5/8"	36#	K55 ST&C	200 cf Class B, 2% CaCL ₂ 15.6 ppg

INTERMEDIATE CASING

Quantity	Size	Weight	Description	Cement Program
3128	7''	20#	K55 ST&C	676 cf Class B, 65:35:5 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 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 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 Lesse - 3 copies

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

<u>DISTRICT I</u> P.O. Bux 1980, Hobba, NM 88240

OIL CONSERVATION DIVISION P.O. Box 2088

DISTRICT II P.O. Drawer DD, Artesia, NM 88210 Santa Fe, New Mexico 87504-2088

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section Operator Well No. AMOCO PRODUCTION COMPANY BARRETT /A/ Unit Letter # 15 Section Township County 31 NORTH 9 WEST Actual Footage Location of Well: MAUL MAR NMPM 2090 Ground level Elev. feet from the SOUTHline and feet from the WEST line Dedicated Acreage: 6579 1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 neccessary. 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 knowledge and belief. APR2 4 1990 Date OIL CON. DIV. SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of 1040 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 March 14, 1990 Signature & Seal Professional. 016 Centifolia 9 7016 POFESSIONAL 330 660 1320 1650 1960 2310 2000

1500

1000

500

