(form=rly 9-331C)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

SUBMIT IS TRIPLICATE* (Other instructions on reverse side)

Form approved. Budget Bureau No. 1004-0136

30-045-27927

Expires August 31, 1985 5. LEASE DESIGNATION AND SERIAL NO.

		SF - 080917				
APPLICATION FO	R PERMIT TO DRILI	_ DEEPEN, OR PI	LUG BACK 6	. IF INDIAN, ALLOTTEE O	R TRIBE NAME	
1a. TYPE OF WORK	DRILL X DEEP	NONE 7. UNIT AGREEMENT NAME				
b. TYPE OF WELL	.	SINGLE -	MULTIPLE -			
WELL GAS WELL	OTHER	ZONE	ZONE	8. FARM OR LEASE NAME	_	
2. NAME OF OPERATOR		The second second	-	Atlantic Fruitlar	nd 4	
ARCO Oil and Ga	is Company			9. WELL NO.		
3. ADDRESS OF OPERATOR				1 10. FIELD AND POOL, OR WILDCAT		
P.O. Box 1610, N	lidland, Texas 79702		i			
· · · · · · · · · · · · · · · · · · ·	ort clearly and in accordance	•)	Basin-Fruitland Coal Gas Pool		
	086' FNL & 1371' FEL	1	11. SEC., T., M., OR BLK.			
At proposed Prod.	zone Approximately to		Sec 4. T30N-R10W			
13. DISTANCE IN MILES AND	DIRECTION FROM NEAREST T		12. COUNTY	13. STATE		
4 miles NE of	Aztec, New Mexico		,	San Jaun	NM	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST 16. NO. OF ACRES IN LEASE; PROPERTY OR LEASE LINE, FT.				17. NO. OF ACRES ASS	IGNED	
(Also to nearest drig. lin	e, if any) 2691'	2538		TO THIS WELL 32		
 DISTANCE FROM PROPOS DRILLING, COMPLETED. 	SED LOCATION TO NEAREST W	ELL, 19. PROPOSED (DEPTH	20. ROTARY OR CABLE	TOOLS '	
OR APPLIED FOR, ON TH	30	142'	Rotary			
21. ELEVATIONS (Show wheth	•			22. APPROX. DA	ATE WORK WILL START	
6317.0' (out to technical and	use a	Spud 6/	90	
23.	and appeal page0	SED CASING AND CE	MENTING PROGRA	AM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DE	PTH. QUANTITY	OF CEMENT 113	
12-1/4"	8-5/8"	24#	کی ^{د300}	500 250 cuft 384		
7-7/8"	5-1/2"	15.5#	3042'	1 200 (ouft /3/6	

It is proposed to drill a 12-1/4" hole to 300' using fresh water spud mud. After setting surface casing, the shoe will be drilled out with a 7-7/8" bit, continueing to TD. A low solids, fresh water gel/polymer mud system will be utilized. A water loss of less than 20cc will be maintained and a mud weight of 9.5 ppg will be used to balance the 1600 psi Fruitland pore pressure. At TD, open-hole logs consisting of GR/CAL/FDC will be run and 5-1/2" productrion casing will be set and cemented to surface.

Pursuant to the "Onshore Oil and Gas Order #1" attachments are as follows:

- 1. Certified Location Plat
- 2. Drilling Plan with attachments
- 3. Surface Use Plan with attachments

IN ABOVE SPACE DESCRIBE PROPOSED PROGAM: 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, n any.		
24. SIGNED Xen au Hosnell (This space for Federal or State Use)	915 688-5672 TITLE Regulatory Coordinator	DATE 5-2-90
PERMIT NO	APPROVAL DATE	
CONTERECTOR E	TITLE	DATE
M U		APPROVED

JUN2 7 1990

*See Instructions On Reverse Side

Tit 10 Hales it a crime for any person knowingly to make to any department or agency of the United States any fatts, findicious or fraudulent statements or representations as to any matter within its jurisdiction AREA MANAGER DIST. 3

李多文為羅紹門在 1972年 1987年 (1984年) 3413330 3415344 400,400,400 Submit to Appropriate District office State Lease - 4 copies Fos 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

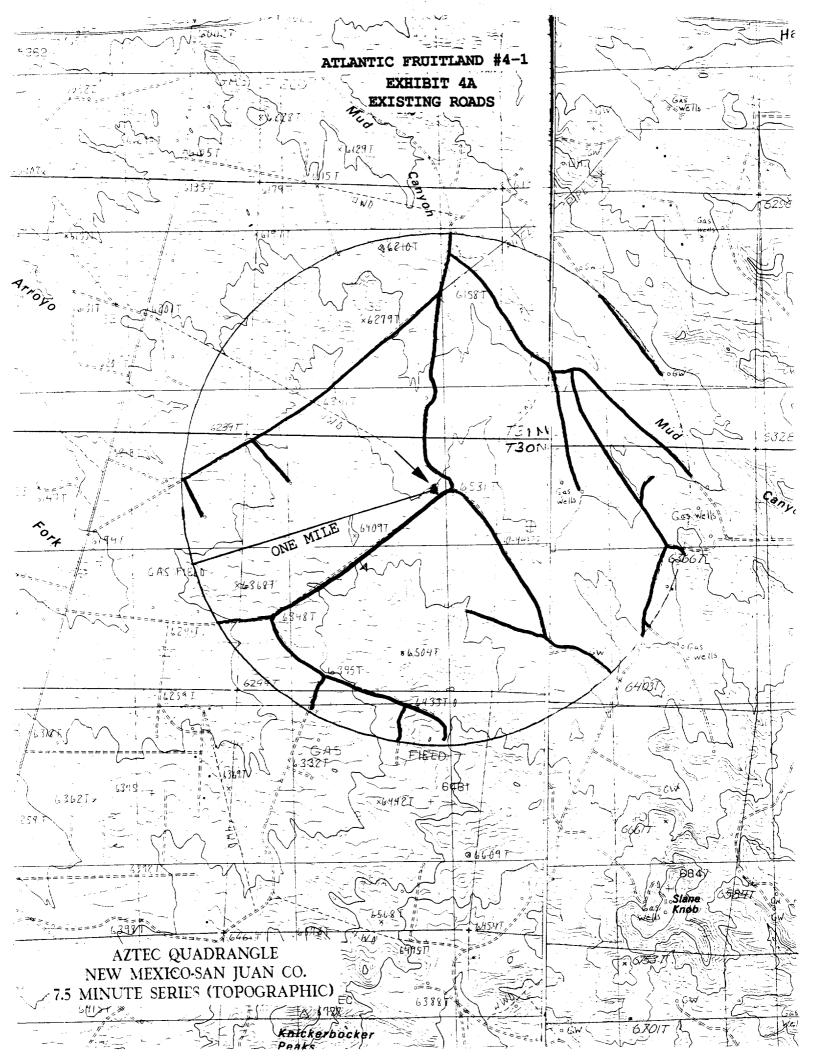
DISTRICT II P.O. Drawer DD, Artesia, NM 88210

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

DISTRICT III
1000 Rio Brazos Rd., Aziec, NM \$7410

WELL LOCATION AND ACREAGE DEDICATION PLAT

	•		All Dis	itances must be	from the out	er boundarie:	s of the section	חג			
Operator				··	Lease					Well No.	
Arco	0il &	Gas	Company	r	At	lantic	Fruit	lar	nd 4	1	
Unit Letter	Section		Township		Range				County	<u> </u>	
В	4			0 N.	range.	- 10 W	_		County	San Juan	
Actual Footage Loc		11.			ļ		<u> </u>	MP	4	Dan buan	
			l a aa da la			1001			-	•	
1086	feet from	U.E.	orth	line and		1371	feet	fron	nthe Eas	ine line	
Ground level Elev.		-	Formation		Pool	_				Dedicated Acreage:	
6317		Fru	itland		Basi	n-Frui	itland (്രവ	U Gas Pa	0/N/2 320 ha	/ t
			-	ell by colored per	icil or hachure	marks on the	plat below.				
				outline each and					_	•	
3. If more unitizate	s than one id tion, force-p	case of diffe cooling, etc.	erent ownership i ?	s dedicated to the	well, have the	interest of al	l owners been	COD.80	olidated by cor	mmunitization,	
	Yes		No If as	uswer is "yes" typ	e of consolida	tion					
			and tract descrip	tions which have	actually been	consolidated.	(Use reverse s	ide o	(
	if neccessar										
or until a	non-standar	assigned to rd unit, elim	insting such inte	rest, has been app	sea consolidate proved by the I	d (by commu Division	nitization, uniti	izatio	n, forced-pool	ing, or otherwise)	
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UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED Budget Buresu No. 1004-0135 Expires, September 30, 1990

5. Lette Designation and Serial No.

SF-080917

SUNDRY NOTICES AND REPORTS ON WELLS 6. if lagran. Allettee or Troe Name Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals 7. If Unit or CA, Agreement Designation SUBMIT IN TRIPLICATE i. Type of Weil ☐ Weii 8. Well Name and No. Atlantic Fruitland 2. Name of Operator 4 # 1 ARCO Oil & Gas Company 9. API Well No. 3. Address and Telephone No. NA P. O. Box 1610, Midland, TX 79702 915 688-5672 10. Field and Pool or Exploratory Area Basin-Fruitland Coal Gas Pool 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1086 FNL & 1371 FEL 11. County or Parish, State 4-30N-10W San Juan, NM CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA :2. TYPE OF SUBMISSION TYPE OF ACTION X Nouce of Intent Abandonment Change of Plans Recompletion New Construction __ Subsequent Report Plugging Back Non-Routine Fractions Casing Repair Water Shut-Off Final Abandonment Nooce Altering Casing Conversion to injection Cementing data as requested (Note: Report results of multiple completion on Well Completion or Recommission Report and Log form.) 13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work, if well is directionally drull: live substituce locations and measured and time nettical debuts for all markets and somes becames to time mount,

Propose to extend surface casing depth to 500' for well control. See cementing data as requested.

<u>Hole</u>	Casing	Weight	Depth	Cement
12 1/4	8 5/8	24	500	325 sx C1"B" w/2% cc + 1/4# CF, 1.18 yld, 384 cu ft.
7 7/8	5 1/2	15.5	0-TD	Lead: 600 sx 65/35/6 C1"B"/POZ/Gel w/¼# CF, 1.8 yld, 1080 cu ft. Tail: 200 sx C1"B" w/¼# CF, 1.18 yld, 236 cu ft. Actual volume for Lead & Tail will be Caliper volume + 15% excess.

. I bereaty certary that the foregoing is true and correct Signed Kin aw Hobell	Tide Regulatory Coordinator	Date 6/19/90
(Thus space for Federal or State office use) Approved by Consumons of approved. If any:	Title	Date

Title 18 U.S.C. Section (CO), makes it a crime for any person knowingly and willfully to make to any occurrence or agency of the United Scars any false, firemous or fraudulent scars. OF PERFECUENCES AS NO ANY MARKET WHOLE ITS PARTICULATION.