

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IS TRIPPLICATE\*  
(Other instructions on  
reverse side)

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

30-045-28000

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>				5. LEASE DESIGNATION AND SERIAL NO. NM - 0607	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>				6. IF INDIAN, ALLOTTEE OR TRIBE NAME NONE	
2. NAME OF OPERATOR ARCO Oil and Gas Company				7. UNIT AGREEMENT NAME -----	
3. ADDRESS OF OPERATOR P.O. Box 1610, Midland, Texas 79702				8. FARM OR LEASE NAME Atlantic Fruitland 3 Com	
4. LOCATION OF WELL (Report clearly and in accordance with any State requirements.) At surface 980' FNL & 840' FEL (Unit Letter A) At proposed Prod. zone Approximately the same				9. WELL NO. #1	
13. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 5 miles NE of Aztec, New Mexico				10. FIELD AND POOL, OR WILDCAT Basin-Fruitland Coal Gas Pool	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any) 237'		16. NO. OF ACRES IN LEASE 2480.68		11. SEC., T., M., OR BLK. AND SURVEY OR AREA A Sec 3, T30N-R10W	
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 840'		19. PROPOSED DEPTH 3060'		12. COUNTY San Juan	
21. ELEVATIONS (Show whether GR or KB) 6304' GR		20. ROTARY OR CABLE TOOLS Rotary		13. STATE NM	
23. PROPOSED CASING AND CEMENTING PROGRAM This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4				17. NO. OF ACRES ASSIGNED TO THIS WELL 327.76 320 E/2	
22. APPROX. DATE WORK WILL START Spud 7/90				18. NO. OF ACRES ASSIGNED TO THIS WELL 320 E/2	
20. ROTARY OR CABLE TOOLS Rotary					
21. ELEVATIONS (Show whether GR or KB) 6304' GR					
22. APPROX. DATE WORK WILL START Spud 7/90					
23. PROPOSED CASING AND CEMENTING PROGRAM This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4					
24. 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 the program, if any.					
25. DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED GENERAL REQUIREMENTS.					
SIZE OF HOLE		SIZE OF CASING		WEIGHT PER FOOT	
12-1/4"		8-5/8"		24#	
7-7/8"		5-1/2"		15.5#	
				SETTING DEPTH	
				300' 500'	
				3060'	
				QUANTITY OF CEMENT	
				3250 cuft	
				1200 cuft	

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" production 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

RECEIVED

JUL 16 1990

OIL CON. DIV.  
DIST. 9

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 the program, if any.

24. SIGNED Ken W. Gosnell 915 688-5672  
(This space for Federal or State Use) TITLE Regulatory Coordinator DATE 5-16-90

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

NMCOO

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

JUL 10 1990  
J. M. Skellern  
AREA MANAGER

State of New Mexico  
Energy, Minerals and Natural Resources Department

**OIL CONSERVATION DIVISION**  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

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

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

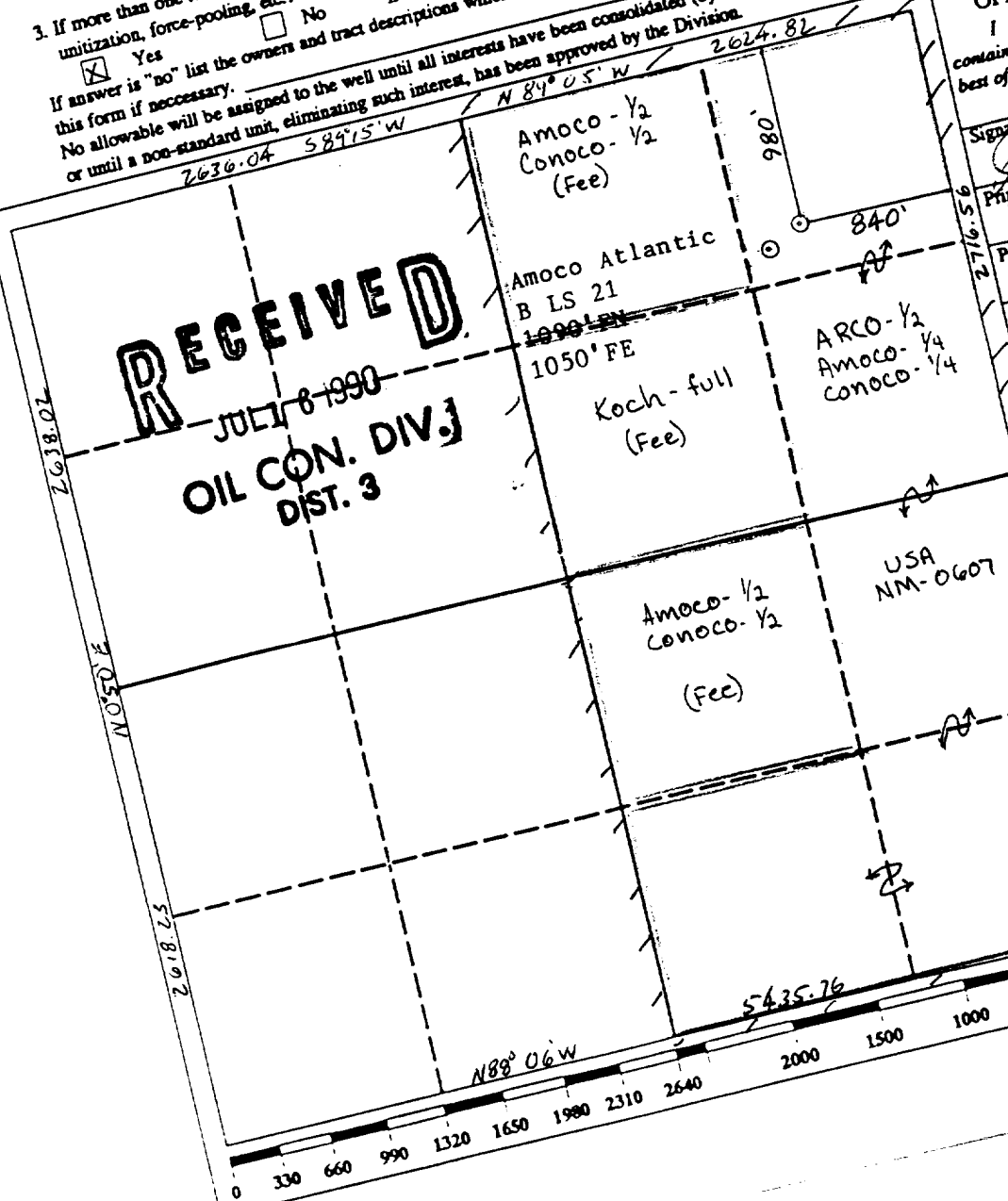
**DISTRICT III**  
1000 Rio Brazos Rd., Aztec, NM 87410

**WELL LOCATION AND ACREAGE DEDICATION PLAT**  
All Distances must be from the outer boundaries of the section

Operator	Arco Oil & Gas Company		Lease	Atlantic Fruitland 3 Com	Well No.	1	
Unit Letter	A	Section	3	Range	10W	County	San Juan
Actual Footage Location of Well:		Township		feet from the		line	
980'		30N		840'		East	
Ground level Elev.		Producing Formation		Dedicated Acreage:		Acres	
6304'		Fruitland		E/2 320		327.76	

- Outline the acreage dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
  - If more than one lease is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
  - 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.?
- If answer is "yes" type of consolidation  
☒ Yes ☐ No  
 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.

**RECEIVED**  
JUL 6 1990  
OIL CON. DIV.  
DIST. 3



**OPERATOR CERTIFICATE**  
I hereby certify that the information contained herein is true and correct to the best of my knowledge and belief.

Signature: *Carl Paller*  
Printed Name: *Carl Paller*  
Position: *Drilling Engineer*  
Company: *ARCO Oil*  
Date: *5-15-90*

**SURVEYOR CERTIFICATE**

I hereby certify that on this plat was plotted actual surveys made under my supervision, and the same are correct to the best of my belief.

Date Surveyed: *4-27*  
Signature: *Roy A.*  
Professional Seal: *8894*

AZTEC QUADRANGLE  
NEW MEXICO-SAN JUAN CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)

