

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

Form C-101
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address. ARCH PETROLEUM, INC. 10 DESTA DRIVE, STE. 420E MIDLAND TX 79705		OGRID Number 000962
Property Name MARTIN		API Number 30-015- 29442
Property Code 20586	Well No. 1	

7 Surface Location

UL or lot no. AK	Section 23	Township 18S	Range 26E	Lot Idn	Feet from the 1650	North / South line SOUTH	Feet from the 2310'	East / West line WEST	County EDDY
---------------------	---------------	-----------------	--------------	---------	-----------------------	-----------------------------	------------------------	--------------------------	----------------

8 Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North / South line	Feet from the	East / West line	County
Proposed Pool 1 3250 ATOKA					Proposed Pool 2				

Work Type Code NO	Well Type Code O	Cable / Rotary R	Lease Type Code P	Ground Level Elevation
Multiple	Proposed Depth 3800'	Formations YESO	Contractor TO BE DETERMINED	Spud Date 3/15/97

Proposed Casing and Cement Program

Hole Size 12 1/4"	Casing Size 8-5/8"	Casing weight / foot 24#	Setting Depth 3,800'	Sacks of Cement 250 sx.Cl.'C'	Estimated TOC SURFACE WOC-186
7-7/8"	5-1/2"	15.5#		900 sx.Cl.'C'	475'

Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

MUD PROGRAM;
O-475' FW/Spud Mud 8.6-8.8 PPG 32-36 VIS 8-9 PK
475'-3,800' BW 9.9-10.1 PPG 29-32 VIS 9-10 PK

See attached BOP drawing for 2000-3000 WORKING PRESSURE.

Notify N.M.G.C. in sufficient
time to witness cementing
the casing

I hereby certify that the information given above is true and complete to the best

of my knowledge and belief.

Signature: *Bobbie Brooks*

Print name: Bobbie Brooks

Title: Production Analyst

Date: 3/11/97

Phone: 685-1961

OIL CONSERVATION DIVISION

Approved by: *James P. Brown*

Title: District Supervisor

Approval Date: 3-17-97

Expiration Date: 3-17-98

Conditions of Approval:

Attached ☐

C-101 Instructions

Measurements and dimensions are to be in feet / inches. Well locations will refer to the New Mexico Principal Meridian.

IF THIS IS AN AMENDED REPORT CHECK THE BOX LABELED "AMENDED REPORT" AT THE TOP OF THIS DOCUMENT.

1. Operator OGRID number. If you do not have one it will be assigned and filed in by the District office.
2. Operator's name and address.
3. API number of this well. If this is a new drill the OCD will assign the number and fill it in.
4. Property code. If this is a new property the OCD will assign the number and fill it in.
5. Property name that used to be called 'well name'.
6. The number of this well on the property.
7. The surveyed location of this well New Mexico Principal Meridian NOTE: If the United States government survey designates a Lot Number for this location use that number in the UL or lot no. box. Otherwise use the OCD Unit letter.
8. The proposed bottom hole location of this well at TD.
- 9 and 10. The proposed pool(s) to which this well is being drilled.
11. Work type code from the following table:

N	New Well
E	Re-entry
D	Drill deeper
P	Plugback
A	Add a zone
12. Well type code from the following table:

O	Single oil completion
G	Single gas completion
M	Multiple completion
I	Injection well
S	SWD well
W	Water supply well
C	Carbon dioxide well
13. Cable or rotary code

C	Propose cable tool drill
R	Propose to rotary drill
14. Lease type code from the following table:

F	Federal
S	State
P	Private
N	Navajo
J	Jicarilla
U	Ute
I	Other indian tribe
15. Ground level elevation above sea level.
16. Intend to multiple complete? Yes or No.
17. Proposed total depth of this well.

18. Geologic formation at TD.
19. Name of the intended drilling company if known.
20. Anticipated spud date.
21. Proposed hole size ID inches, proposed casing OD inches, casing weight in pounds per foot, setting depth of the casing or depth and top of liner, proposed cementing volume, and estimated top of cement.
22. Brief description of the proposed drilling program and BOP program. Attach additional sheets if necessary.
23. The signature, printed name, and title of the person authorized to make this report. The data this report was signed and the telephone number to call for questions about this report.

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources Dept.

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0710

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

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-29447	Pool Code 3280	Pool Name ATOKA (YESO)
Property Code	Property Name MARTIN	Well Number 1 18
OGRID No. 000962	Operator Name ARCH PETROLEUM INC.	Elevation 3309'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	23	18 S	26 E		1650	SOUTH	2310	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	OPERATOR CERTIFICATION I hereby certify the information contained herein is true and complete to the best of my knowledge and belief. <i>Bobbie Brooks</i> Signature BOBBIE BROOKS Printed Name PRODUCTION ANALYST Title 3/11/97 Date
	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. MARCH 5, 1997 Date Surveyed CDG Signature & Seal of Professional Surveyor <i>Ronald E. Eidsen</i> 3-10-97 Certificate No. JOHN W. WEST 676 RONALD E. EIDSON 3239 E. EIDSON 12641