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District I
PO Box 1980, Hobbs, NM 88241-1980
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1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2048, Santa Fe, NM 87504-2048

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

MAR 12 1997

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
		API Number 30-015- 29447
Property Code 20588	Property Name McCall	Well No. 2

7 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North / South line	Feet from the	East / West line	County
M	24	18S	26E		330'	SOUTH	330'	WEST	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, Glacier - Yes					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	Casing Size	Casing weight / foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4"	8-5/8"	24#	475'	250 ex.CI.'C'	SURFACE WOC - 18 hours
7-7/8"	5-1/2"	15.5#	3,800'	900 ex.CI.'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.O.C.C. in sufficient time to witness cementing the **8 5/8"** casing

Posted TO-1
NL & API
3-21-97

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: *Sign at Room* **BGA**
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.