

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
811 South First, Artesia, NM 88210

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

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-101

Revised October 18, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 6 Copies

Fee Lease - 5 Copies

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

☐ AMENDED REPORT

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

Operator Name and Address Arch Petroleum Inc. 300 North Marienfeld, Suite 600 Midland, Texas 79701		OGRID Number 000962
		API Number 30 - 025-33544
Property Code 14920	Property Name Mattern	Well No. 4

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	30	21S	37E		2310	South	2310	West	Lea

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	
wildcat Wantz, Abo					Proposed Pool 1					Proposed Pool 2

Work Type Code D	Well Type Code O	Cable/Rotary R	Lease Type Code S	Ground Level Elevation 3491
Multiple	Proposed Depth 7500	Formation Abo	Contractor	Spud Date 03-31-99

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	23#	1257	620 sx	Surface
7-7/8	5-1/2	15.5#	6818	2025 sx	did not circ.

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.

- 1) POOH w/rods, pump & tubing
- 2) Squeeze Blinebry perms 5527-5959' with 150 sx cement.
- 3) Squeeze Drinkard perms 6652-6659' and 6669-6679' with 50 sx cement.
- 4) Drill out and test squeeze.
- 5) Drill into Wantz; Abo formation.
- 6) Acidize open hole section with 3000 gallons acid.
- 7) Swab test.
- 8) Run production equipment and place well on production.

Permit Expires 1 Year From Approval
Date Unless ~~Drilling~~ Underway
Deepening

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Robin S. McCarley

Printed name: Robin S. McCarley

Title: Production Technician

OIL CONSERVATION DIVISION

Approved By:

Title:

Approval Date:

Expiration Date:

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