

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
Geology, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO 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. 300 North Marienfeld, Suite 600 Midland, Texas 79701		¹ OGRID Number 000962
		² API Number 30 - 025-11208
⁴ Property Code 14923	⁵ Property Name Plains Knight	⁶ 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
N	23	24S	37E		660	South	1830	West	Lea

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
⁹ Proposed Pool 1 Fowler (Abo)					¹⁰ Proposed Pool 2 Fowler (Abo)				

¹¹ Work Type Code A	¹² Well Type Code 0	¹³ Cable/Rotary	¹⁴ Lease Type Code LP	¹⁵ Ground Level Elevation 3207'
¹⁶ Multiple	¹⁷ Proposed Depth 6500'	¹⁸ Formation Abo	¹⁹ Contractor	²⁰ Spud Date

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
18"	13-3/8"	48#	338'	400 sx	Surface
12-1/4"	9-5/8"	40#	3999'	1125 sx	Surface
8-3/4"	7"	23# & 26#	8360'	825 sx	2970'

²² 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) Clean out to 6500'
- 2) Set CIBP @ 6500' and cap w/2 sx cement. Test to 3000 PSI.
- 3) Perforate 6307-6396' w/4" HSC 2 SPF on 120° Phasing.
- 4) RIH w/tbg and packer. Set packer and isolate perfs.
- 5) Acidize perfs w/1000 gallons 15% acid.
- 6) Swab and evaluate.
- 7) Produce Abo Perfs.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway.

ADDING

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Robin S. McCarley</i>		OIL CONSERVATION DIVISION	
Printed name: Robin S. McCarley		Approved by: ORIGINAL SIGNED BY CHRIS WILLIAMS	
Title: Production Tech.		Title: DISTRICT I SUPERVISOR	
Date: 07/09/99	Phone: (915) 685-8100	Approval Date: 07/09/99	Expiration Date:
		Conditions of Approval: Attached <input type="checkbox"/>	