

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. <b>ARCH PETROLEUM, INC.</b> <b>10 Desta Drive, Suite 420E</b> <b>Midland, TX 79705</b>		OGRID Number <b>000962</b>
Property Code <b>16233</b>	Property Name <b>E. C. HILL A</b>	API Number <b>30-0 25-33449</b>
		Well No. <b>5</b>

**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
<b>J</b>	<b>27</b>	<b>23S</b>	<b>37E</b>		<b>1340</b>	<b>SOUTH</b>	<b>1980</b>	<b>EAST</b>	<b>LEA</b>

**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 <b>TEAGUE BLINEBRY</b>					Proposed Pool 2 <b>TEAGUE PADDOCK</b>				

Work Type Code <b>N</b>	Well Type Code <b>O</b>	Cable / Rotary <b>R</b>	Lease Type Code <b>P</b>	Ground Level Elevation <b>3266</b>
Multiple <b>N</b>	Proposed Depth <b>6000'</b>	Formations <b>BLINEBRY</b>	Contractor <b>UNKNOWN</b>	Spud Date <b>4/1/96</b>

**Proposed Casing and Cement Program**

Hole Size	Casing Size	Casing weight / foot	Setting Depth	Sacks of Cement	Estimated TOC
<b>12-1/4"</b>	<b>8-5/8"</b>	<b>24#</b>	<b>1075'</b>	<b>600 sx. Cl. 'C'</b>	<b>SURFACE</b>
<b>7-7/8"</b>	<b>5-1/2"</b>	<b>15.5#</b>	<b>6000'</b>	<b>1650 sx. Cl. 'C'</b>	<b>1075'</b>
<b>Permit Expires 1 Year From Approval Date Unless Drilling Underway</b>					

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:**

0 - 1075' FW/Spud Mud 8.8-9.0 #/gal., 32 visc., 10 pH  
1075' - 5000' BW 10#/gal., 28 visc., 10 pH  
5000' - 5000' BW/Starch 10#/gal., 30 visc., 10 pH

See attached BOP drawing for 3000 psi system.

*NSL-3654*

OPER. OGRID NO. 112  
PROPERTY NO. 16233  
POOL CODE 58300  
EFF. DATE 5/16/96  
API NO. 30-025-33449

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

Signature: <i>Bobbie Brooks</i>
Print name: <b>BOBBIE BROOKS</b>
Title: <b>PRODUCTION ANALYST</b>
Date: <b>3/7/96</b>
Phone: <b>(915) 685-1961</b>

**OIL CONSERVATION DIVISION**

Approved by: <b>ORIGINAL SIGNED BY</b>
Title: <b>GARY WINK</b>
Approval Date: <b>MAY 16 1996</b>
Expiration Date:
Conditions of Approval: Attached <input type="checkbox"/>

1. 1. 1.

1. 1. 1.

1. 1. 1.

1. 1. 1.

1. 1. 1.