

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. 10 DESTA DRIVE, STE. 420E MIDLAND TX 79705</b>		OGRID Number <b>000962</b>
Property Code <b>14899</b>	Property Name <b>C. D. WOOLWORTH</b>	API Number <b>30-025- 33882</b>
		Well No. <b>11</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>N</b>	<b>30</b>	<b>24S</b>	<b>37E</b>		<b>1185</b>	<b>SOUTH</b>	<b>1330'</b>	<b>WEST</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>LANGLIE MATTIX</b>					Proposed Pool 2 <b>JALMAT OIL AND JALMAT GAS</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
Multiple <b>NO</b>	Proposed Depth <b>3800'</b>	Formations <b>7RQGRBG</b>	Contractor <b>TO BE DETERMINED</b>	Spud Date <b>1/15/97</b>

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight / foot	Setting Depth	Sacks of Cement	Estimated TOC
<b>11"</b>	<b>8-5/8"</b>	<b>24#</b>	<b>475'</b>	<b>250 sx.Cl.'C'</b>	<b>SURFACE</b>
<b>7-7/8"</b>	<b>5-1/2"</b>	<b>15.5#</b>	<b>3,800'</b>	<b>900 sx.Cl.'C'</b>	<b>475'</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;  
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

Permit Expires 1 Year From Approval  
Date Unless Drilling Underway

See attached BOP drawing for 2000-3000 WORKING PRESSURE.

NSL-3773

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		<b>OIL CONSERVATION DIVISION</b>	
Signature: <i>Bobbie Brooks</i>	Print name: <b>Bobbie Brooks</b>	Approved by: <b>ORIGINAL SIGNED BY JERRY SEXTON</b>	Title: <b>DISTRICT I SUPERVISOR</b>
Title: <b>Production Analyst</b>	Date: <b>1/20/97</b>	Approval Date: <b>MAR 18 1997</b>	Expiration Date:
Phone: <b>685-1961</b>	Conditions of Approval: Attached <input type="checkbox"/>		