

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

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-101

Revised October 18, 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

|  |   |  |
|--|---|--|
| <sup>1</sup> Operator Name and Address<br>Arch Petroleum, Inc.<br>10 Desta Drive, Suite 420E<br>Midland, Texas 79705 |   | <sup>2</sup> OGRID Number<br>000962        |
|  |   | <sup>3</sup> API Number<br>30 - 0025-33882 |
| <sup>4</sup> Property Code<br>014899   | <sup>5</sup> Property Name<br>C. D. Woolworth | <sup>6</sup> Well No.<br>11                |

<sup>7</sup>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             | 30      | 24S      | 37E   |         | 1185          | South            | 1330          | West           | Lea    |

<sup>8</sup>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 |
|--|---------|----------|-------|---------|---|------------------|---------------|----------------|--------|
|  |         |          |       |         |   |                  |               |                |        |
| <sup>9</sup> Proposed Pool 1<br>Langlie Mattix |         |          |       |         | <sup>10</sup> Proposed Pool 2<br>Jalmat Tansill Oil |                  |               |                |        |

|                                   |                                      |   |                                    |  |
|-----------------------------------|--------------------------------------|---|------------------------------------|--|
| <sup>11</sup> Work Type Code<br>A | <sup>12</sup> Well Type Code<br>O    | <sup>13</sup> Cable/Rotary<br>R           | <sup>14</sup> Lease Type Code<br>P | <sup>15</sup> Ground Level Elevation<br>3258 |
| <sup>16</sup> Multiple<br>Yes     | <sup>17</sup> Proposed Depth<br>3760 | <sup>18</sup> Formation<br>7Rvrs Queen GB | <sup>19</sup> Contractor           | <sup>20</sup> Spud Date                      |

<sup>21</sup>Proposed Casing and Cement Program

| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
|-----------|-------------|--------------------|---------------|-----------------|---------------|
|           |             |                    |               |                 |               |
|           |             |                    |               |                 |               |
|           |             |                    |               |                 |               |
|           |             |                    |               |                 |               |
|           |             |                    |               |                 |               |

<sup>22</sup>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.

This well is currently producing from the Langlie Mattix formation. We are proposing to perforate the Jalmat formation from 3175-3381', acidize and frac perforations, and downhole commingle with the existing Langlie Mattix completion.

Approval for workover only -- CANNOT produce until Downhole Commingle is approved in Santa Fe.

<sup>23</sup>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: Technical Assistant 9/23/97 (915) 685-1961

OIL CONSERVATION DIVISION

Approved By:

Orig. Signed by  
Paul Rautz  
Geologist

Title:

Approval Date:

OCT - 3 1997

Expiration Date: