

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 Arch Petroleum, Inc. 10 Desta Drive, Suite 420E Midland, Texas 79705		<sup>2</sup> OGRID Number 000962
		<sup>3</sup> API Number 30 - 025-25464
<sup>4</sup> Property Code 014899	<sup>5</sup> Property Name C. D. Woolworth	<sup>6</sup> Well No. 4

<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
L	30	24S	37E		2080	South	760	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 Langlie Mattix					<sup>10</sup> Proposed Pool 2 Jalmat Tansill Oil				

<sup>11</sup> Work Type Code A	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code P	<sup>15</sup> Ground Level Elevation 3265
<sup>16</sup> Multiple Yes	<sup>17</sup> Proposed Depth 3700	<sup>18</sup> Formation 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 3190'-3335', 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 9/22/97 (915) 685-1961

OIL CONSERVATION DIVISION

Approved By: *Orig. Signed by Paul K...*

Title:

Approval Date: OCT - 8 1997

Expiration Date: