

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  
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

<sup>1</sup> Operator Name and Address. Arch Petroleum, Inc. 10 Desta Drive, Suite 420 East Midland, TX 79705		<sup>2</sup> OGRID Number 000962
		<sup>3</sup> API Number 30 - 025-27517
<sup>4</sup> Property Code 14895	<sup>5</sup> Property Name Arnott Ramsay NCT-E	<sup>6</sup> Well No. 12

<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
C	16	25S	37E		660	North	1980	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 <i>See comments</i>					<sup>10</sup> Proposed Pool 2				

<sup>11</sup> Work Type Code P	<sup>12</sup> Well Type Code G	<sup>13</sup> Cable/Rotary	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 3030'
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth PBD 3300'	<sup>18</sup> Formation Jalmat	<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.

We propose to:

NUBOP. Spot abandonment mud 3760'-3350', set CIBP @ 3350', cap w/2 sx cmt.  
Perf csg 2878, 2880, 2901, 2937, 2977, 2989, 2998, 3010, 3014, 3018, 3029, 3041,  
3082, 3086, 3090, 3099, 3112, 3116, 3120, 3167, 3172, 3212, 3286', with 2 JHPF.  
Acidize with 4,000 gals of 15% NEFE HCL. Frac treat with 55,000 gals of 50 Quality  
foam and 198,000 lb 12/20 sand. Flow back.

Abandon Langlie Mattix. Complete Jalmat. *1/1/94*

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Merrick S. Vanderslice</i>		OIL CONSERVATION DIVISION	
Printed name: Merrick S. Vanderslice		Approved by: <i>RAYMON</i>	
Title: Vice President of Operations		Title:	
Date: <i>7-2-94</i>		Approval Date: JUL 28 1994	Expiration Date:
Phone: 915-685-1961		Conditions of Approval: Attached <input type="checkbox"/>	