

**District I**

1625 N. French Dr., Hobbs, NM 88240

**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 ResourcesOIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505Form C-101  
Revised March 12, 1999Submit 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. David H. Arrington Oil & Gas, Inc. P.O. Box 2071 Midland, Texas 79702		<sup>2</sup> OGRID Number 005898
		<sup>3</sup> API Number 30 - 025 - 34630
<sup>4</sup> Property Code 24636	<sup>5</sup> Property Name Mayfly "14" State Com	<sup>6</sup> Well No. 2

<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
B	14	16S	35E		660	North	2060	East	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
A	14	16S	35E		660	North	660	East	Lea

<sup>9</sup> Proposed Pool 1<sup>10</sup> Proposed Pool 2

Shoe Bar Strawn, North

<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 3978'
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth TVD 11,650 MD 12,650	<sup>18</sup> Formation Strawn	<sup>19</sup> Contractor Peterson	<sup>20</sup> Spud Date June 17, 1999

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

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2	13 3/8	48#	450'	450 sx	Circulate
11	8 5/8	32#	4750'	2100 sx	Circulate
7 7/8	5 1/2	17#	11,300'	600 sx	500' above upper most pay
4 1/2	Open hole	-----	12,650' MD	-----	

<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.

Set surface casing @ 450'. Circulate cement to surface, set intermediate casing @ 4,750'. Cement. Install BOP's. Test casing to 1000 psi. Drill 7 7/8 hole to 11,650'. Log and DST Strawn and any prospective pays. Run 5 1/2" production casing into top of Strawn and if productive drill 1,300' horizontal lateral.

Permit Expires 1 Year From Approval  
Date Unless Drilling Underway<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name: David H. Arrington

Title: President

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

MAY 26 1999

Expiration Date: