

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
811 S. 1st Street, Artesia, NM 88210-2834  
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

RECEIVED

AUG 14 1997

OIL CON. DIV. AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, ~~PLUG BACK~~, OR ADD A ZONE

<sup>1</sup> Operator name and Address ARCO PERMIAN P.O. BOX 1610 MIDLAND, TX 79702		<sup>2</sup> OGRID Number 000990
<sup>4</sup> Property Code 20761		<sup>3</sup> API Number 30-0 15-29794
<sup>5</sup> Property Name BARCLAY STATE		<sup>6</sup> Well No. 6

<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
K	2	23S	31E		1980	SOUTH	1980	WEST	EDDY

<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

<sup>10</sup> Proposed Pool 2

Unit 5 LIVINGSTON RIDGE (DELAWARE) 96149	
--	--

<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code G	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 3429
<sup>16</sup> Multiple NO	<sup>17</sup> Proposed Depth 8600	<sup>18</sup> Formation DELAWARE	<sup>19</sup> Contractor PETERSON DR LG	<sup>20</sup> Spud Date 9/97

<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	860	775	SURF
12-1/4	8 5/8	32	4600	1800	SURF
7 7/8	5 1/2	15.5/17	8450	860	4500

<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

Subject well planned as a 8450' straight hole.  
3000 psi BOPE will be used from 860' to TD.

Notify N.M.O.C.C. in sufficient  
time to witness cementing  
the 13 3/8" 8 5/8" casing

EXP INT  
10-16-98

<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>Elizabeth A. Casbeer</i> Printed name: ELIZABETH A. CASBEER Title: REG. COMPLIANCE	OIL CONSERVATION DIVISION Approved by: ORIGINAL SIGNED BY TIM W. GUM DISTRICT II SUPERVISOR Title: Approval Date: AUG 15 1997 Expiration Date: 8-15-98
--	---

RECEIVED  
JAN 10 1964  
U.S. AIR FORCE  
OFFICE OF THE  
JOINT CHIEFS OF STAFF  
WASHINGTON, D.C.