

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 Mewbourne Oil Company PO Box 5270 Hobbs, New Mexico 88240 (505)393-5905		<sup>2</sup> OGRID Number 14744
		<sup>3</sup> API Number 30-015-30650
<sup>4</sup> Property Code 24594	<sup>5</sup> Property Name Avalon Hills "31" State	<sup>6</sup> Well No. 1

<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
H	31	21S	26E		1980	North	990	East	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 Morrow Avalon Gas Pool					<sup>10</sup> Proposed Pool 2 70920				

<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 3308
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 11500	<sup>18</sup> Formation Morrow	<sup>19</sup> Contractor Unknown	<sup>20</sup> Spud Date 05-28-99

Minimum WOC time 8 hrs. <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#	400	420	Circulate
12 1/4"	8 5/8"	32#	2600	1200	Circulate
7 7/8"	5 1/2"	17#	11500	1000	Tie Back
					Post ID-1
					5-17-99

<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.

BOP Program: Schaffer LWS or equivalent (Double-Ram Hydraulic) 900 series with a Hydriil 900 series from intermediate casing to total depth. Rotating Head, PVT Monitors, and a Mud Gas Separator from the Wolfcamp to TD.

Mud Program: 0' to 2600' Fresh water spud mud, lime for pH, and LCM as needed  
2600' to 9700' Cut Brine, Caustic Soda for pH, and LCM as needed  
9700 to TD 9.3 to 10# Brine, Caustic Soda for pH, Starch for WL Control, and LCM as needed.

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

<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: Steve Matthews

Title: Drilling Superintendent

OIL CONSERVATION DIVISION

Approved By:

Title:

Approval Date:

Expiration Date:

Jim W. Burns BGA

District Supervisor

5-13-99

5-13-00