

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 South First, Artesia, NM 88210  
District III  
1000 Rio Hrazos Road, Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Form C-101  
Revised March 17, 1999

Oil Conservation Division  
2040 South Pacheco  
Santa Fe, NM 87505

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 Melrose Operating Co. c/o P.O. Box 953, Midland, TX 79702		<sup>2</sup> OGRID Number 184860
<sup>3</sup> Property Code 25191	<sup>4</sup> Property Name Jalmat Field Yates Sand Unit	<sup>5</sup> API Number 30 - 025 34556 <i>35262</i> <sup>6</sup> Well No. 170

<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	14	22S	35E		1330'	North	990'	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

<sup>9</sup> Proposed Pool 1 Jalmat, Tansill, Yates, Seven Rivers	<sup>10</sup> Proposed Pool 2
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<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code 0	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 3581'
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 4200	<sup>18</sup> Formation Yates	<sup>19</sup> Contractor United Drilg.	<sup>20</sup> Spud Date 12-20-00

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

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4"	8 5/8"	24#	350	250 sx	Surface
7 7/8"	5 1/2"	15.5#	4200	2000 sx	Surface

<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.

Propose to drill 12 1/4" hole to 350', set 8 5/8" casing, cement to surface. RU BOPs.  
Drill 7 7/8" hole to 4200', set 5 1/2" casing, cement to surface, RD BOPs & rotary.  
Perforate Yates & fracture stimulate. Place Yates on test.

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: <i>Ann E. Ritchie</i>		<b>OIL CONSERVATION DIVISION</b>	
Printed name: Ann E. Ritchie		Approved by: <i>[Signature]</i>	
Title: Regulatory Agent		Title: <i>[Signature]</i>	
Date: 11-13-00	Phone: 915 684-6381	Approval Date: <i>NOV 28 2000</i>	Expiration Date: <i>1</i>
		Conditions of Approval: <i>NOV 28 2000</i>	
		Attached <input type="checkbox"/>	