

DISTRICT I  
1625 N. French Dr., Hobbs, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-101  
Revised March 17, 1999  
Instructions on back  
Submit to appropriate District Office

DISTRICT II  
811 South First, Artesia, NM 88210

OIL CONSERVATION DIVISION

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

PO BOX 2088  
Santa Fe, NM 87504-2088

State Lease - 6 Copies  
Fee Lease - 5 Copies

DISTRICT IV  
2040 South Pacheco, Santa Fe, NM 87501

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

<sup>1</sup> Operator Name and Address Yates Petroleum Corporation 105 South Fourth Street Artesia, New Mexico 88210		<sup>2</sup> OGRID Number 025575
		<sup>3</sup> API Number 30-025-35414
<sup>4</sup> Property Code 18677	<sup>5</sup> Property Name Morton Unit	<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
5	4	15S	35E		1980	South	1650	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 Morton; Wildcat Mississippian (GAS)					<sup>10</sup> Proposed Pool 2				

<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 4007'
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 13,900'	<sup>18</sup> Formation Mississippian	<sup>19</sup> Contractor Not Determined	<sup>20</sup> Spud Date ASAP

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

Hole Size	Casing Size	Casing weight/feet	Setting Depth	Sacks of Cement	Estimated TOC
14 3/4"	11 3/4"	42#	400'	400 sx	Surface
11"	8 5/8"	32#	6200'	1650 sx	Surface
7 7/8"	5 1/2"	17# & 20#	13900'	1000 sx	TOC-7300

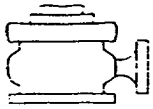
<sup>22</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Yates Petroleum Corporation proposes to drill and test the Mississippian and intermediate formations. Approximately 400' of surface casing will be set and cement circulated. Intermediate casing will be set at 6200' and cement circulated to surface. If commercial, production casing will be run and cemented, will perforate and stimulate as needed for production.  
MUD PROGRAM: 0-400' FW/Gel/Paper; 400'-6200' FW going to Brine; 6200'-12000' Cut Brine w/Sweeps; 12000'-13900' Salt Gel/Starch/Drispac.  
BOPE PROGRAM: A 5000# BOPE will be installed on the 8 5/8" casing and tested daily for operational.

<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>Clifton R. May</i>		OIL CONSERVATION DIVISION APPROVED BY: <i>[Signature]</i>	
Printed name: Clifton R. May		Title:	
Title: Regulatory Agent		Approval Date: FEB 18 2001 Expiration Date:	
Date: 02/16/01	Phone: (505) 748-1471	Conditions of Approval Attached <input type="checkbox"/>	

Permit Expires 1 Year From Approval  
Date Unless Drilling Underway

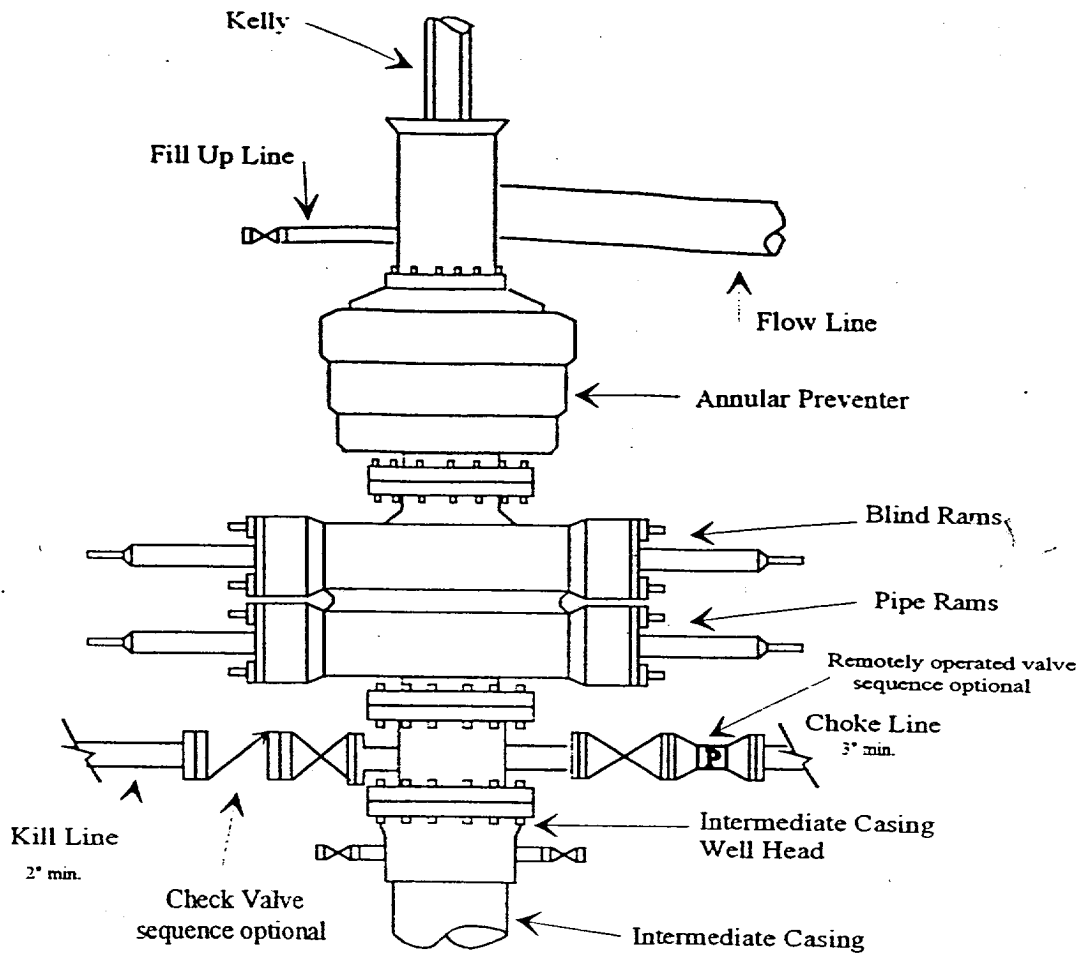
	<div style="border: 1px solid black; padding: 5px;"> <p><b>OPERATOR CERTIFICATION</b></p> <p><i>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <p style="font-size: 1.2em;"><u>Clifton R. May</u></p> <p><small>Signature</small></p> <p><u>CLIFTON R. MAY</u></p> <p><small>Printed Name</small></p> <p><u>REGULATORY AGENT</u></p> <p><small>Title</small></p> <p><u>2-16-2001</u></p> <p><small>Date</small></p> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p><b>SURVEYOR CERTIFICATION</b></p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p style="text-align: right; margin-right: 50px;"><u>2/15/2001</u></p> <p><small>Date Surveyed</small></p> <p style="text-align: center;"> </p> <p><small>Signature of H. Michelle Jones</small></p> <p><small>Certification No. 8640 H. Michelle Jones RLS 3640</small></p> <p><small>MORTON ENGINEERING W-L C/D-1</small></p> <p><small>GENERAL SURVEYING COMPANY</small></p> </div>
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# Yates Petroleum Corporation

BOP-4

## Typical 5,000 psi Pressure System Schematic Annular with Double Ram Preventer Stack



Typical 5,000 psi choke manifold assembly with at least these minimum features

