

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Form C-101  
May 27, 2004

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

RECEIVED

Submit to appropriate District Office

DEC 8 2005

☐ AMENDED REPORT

OOD-ARTESIA

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

<sup>1</sup> Operator Name and Address Yates Petroleum Corporation 105 S. 4 <sup>th</sup> Street Artesia, NM 88210		<sup>2</sup> OGRID Number 025575
		<sup>3</sup> API Number 30-005-63679
<sup>4</sup> Property Code 34116	<sup>5</sup> Property Name Barracuda State Unit	<sup>6</sup> Well No. 1
<sup>9</sup> Proposed Pool 1 Undes For Ranch, San Andres		<sup>10</sup> Proposed Pool 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
H	5	10S	27E		1680	North	800	East	Chaves

<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

Additional Well Information

<sup>11</sup> Work Type Code P	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary N/A	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 3934' GR
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth N/A	<sup>18</sup> Formation Siluro-Devonian	<sup>19</sup> Contractor N/A	<sup>20</sup> Spud Date ASAP
Depth to Groundwater >100'		Distance from nearest fresh water well >1000'		Distance from nearest surface water >1000'
Pit: Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method: _____				
Closed-Loop System <input checked="" type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

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

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
		IN PLACE			

<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 plans to add additional Silurian, then possibly plugback and recompleat to the San Andres as follows: Rig up any safety equipment as needed. POH with tubing and packer. Drill out composite plug at 6400' cleaning out to 6500' with 7% KCL. Perforate Silurian 6420'-6432' (48), 6446'-6449' (16) and 6453'-6456' (16). Stimulate as needed. Depending on the results of the swab test will either set a CIBP @ 6366' with 35' cement, do a larger, high rate acid job w/balls. If test San Andres, set 1<sup>st</sup> CIBP at 6366' with 35' cement on top and the 2<sup>nd</sup> CIBP at 5524' with 35' cement on top. Perforate San Andres 2014'-2018' (10), 2032'-2036' (10), 2044'-2052' (20), 2082'-2084' (6), 2108'-2110' (6) and 2132'-2139' (16). Stimulate as needed.

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Signature: Tina Huerta

Printed name: Tina Huerta

Title: Regulatory Compliance Supervisor

E-mail Address: tina@ypcnm.com

Date: December 7, 2005

Phone: 505-748-4168

OIL CONSERVATION DIVISION

Approved by:

Jim W. Gurn  
District II Supervisor

Title:

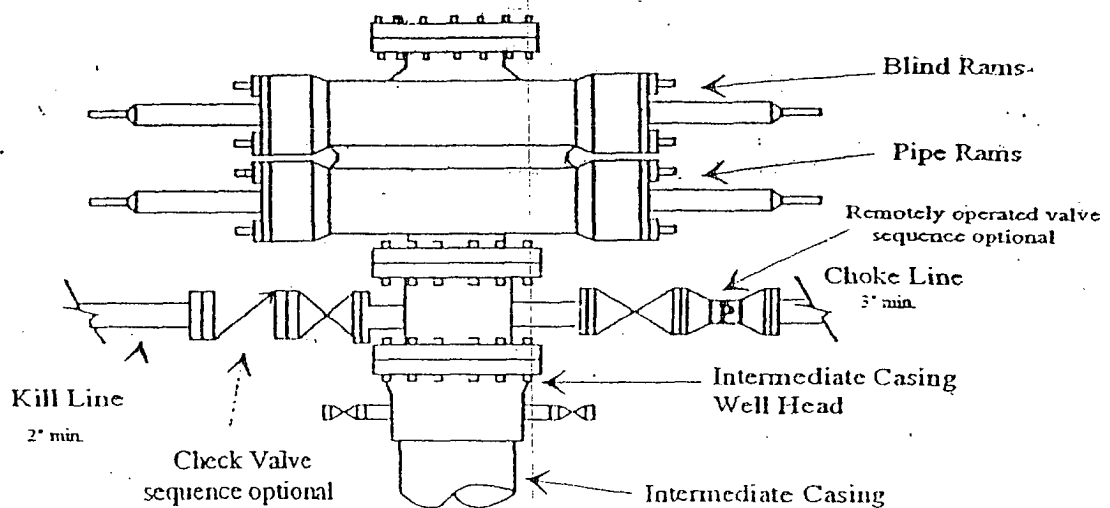
Approval Date: DEC 12 2005

Expiration Date: DEC 12 2006

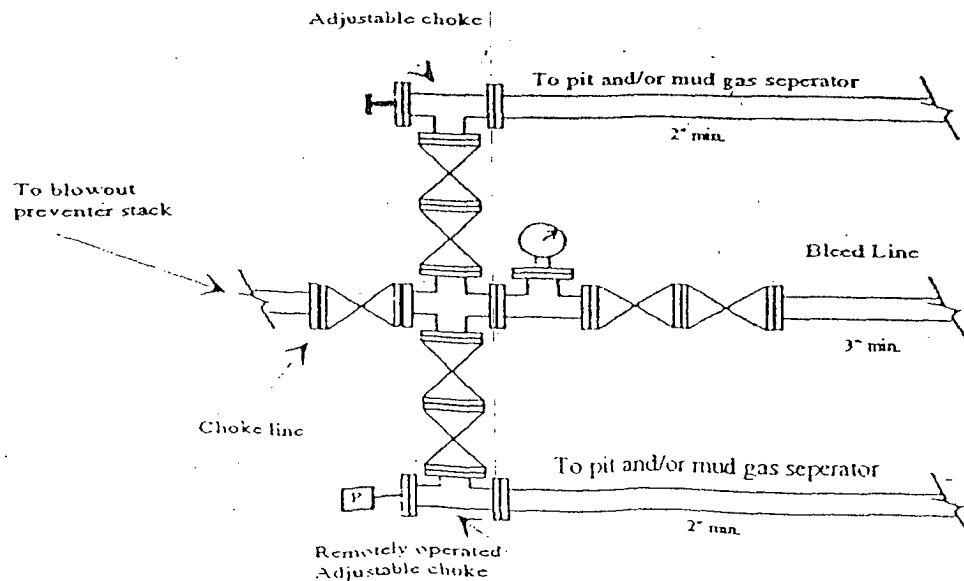
Conditions of Approval Attached ☐

# Yates Petroleum Corporation

## Typical 3,000 psi Pressure System Schematic



Typical 3,000 psi choke manifold assembly with at least these minimum features



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State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised June 10, 2003  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number <b>30-005-63679</b>	<sup>2</sup> Pool Code <b>2465C</b>	<sup>3</sup> Pool Name <b>Unders. Foor Ranch San Andres</b>
<sup>4</sup> Property Code <b>34116</b>	<sup>5</sup> Property Name <b>Barracuda State Unit</b>	
<sup>7</sup> OGRID No. <b>025575</b>	<sup>8</sup> Operator Name <b>Yates Petroleum Corporation</b>	
		<sup>6</sup> Well Number <b>1</b>
		<sup>9</sup> Elevation <b>3934'GR</b>

<sup>10</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>H</b>	<b>5</b>	<b>10S</b>	<b>27E</b>		<b>1680</b>	<b>North</b>	<b>800</b>	<b>East</b>	<b>Chaves</b>

<sup>11</sup> 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>12</sup> Dedicated Acres <b>40</b>		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<sup>16</sup> 	<sup>17</sup> <b>OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature Tina Huerta Printed Name Regulatory Compliance Supervisor Title and E-mail Address December 7, 2005 Date	
	<sup>18</sup> <b>SURVEYOR CERTIFICATION</b> 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.	
	Date of Survey Signature and Seal of Professional Surveyor:	
	Certificate Number	

**RECEIVED**  
**DEC - 8 2005**  
**OCD-ARTESIA**

MARTIN YATES, III  
1912 - 1985  
FRANK W. YATES  
1936 - 1986



105 SOUTH FOURTH STREET  
ARTESIA, NEW MEXICO 88210-2118  
TELEPHONE (505) 748-1471

S. P. YATES  
CHAIRMAN OF THE BOARD  
JOHN A. YATES  
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EXECUTIVE VICE PRESIDENT  
RANDY G. PATTERSON  
SECRETARY  
DENNIS G. KINSEY  
TREASURER

December 7, 2005

Mr. Bryan Arrant  
Oil Conservation Division, District II Office  
1301 W. Grand Ave.  
Artesia, NM 88210

**RECEIVED**  
DEC - 8 2005  
**OCD-ARTESIA**

Re: Barracuda State Unit #1  
Section 5-T10S-R27E  
Chaves County, New Mexico  
H2S Contingency Plan

Sources at Yates Petroleum Corporation have relayed information to me that they believe there will not be enough H2S anticipated from the surface to the San Andres formation to even meet the OCD's minimum requirements for the submission of a contingency plan per Rule 118.

Thank you,

YATES PETROLEUM CORPORATION

Tina Huerta  
Regulatory Compliance Supervisor