

## 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

Submit to appropriate District Office

☐ AMENDED REPORT

JAN 23 2008

OCD-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 South Fourth Street Artesia, New Mexico 88210		<sup>2</sup> OGRID Number 025575
<sup>3</sup> Property Code 34586		<sup>4</sup> API Number 30-005-29020
<sup>5</sup> Property Name Patsy State Unit		<sup>6</sup> Well No. 1
<sup>9</sup> Proposed Pool 1 Wildcat Mississippian		<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
A	15	12S	31E		990'	North	660'	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 New well	<sup>12</sup> Well Type Code G	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code State	<sup>15</sup> Ground Level Elevation 4445'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth 11375'	<sup>18</sup> Formation Mississippi Limestone	<sup>19</sup> Contractor Not Determined	<sup>20</sup> Spud Date
Depth to Groundwater 12 6'		Distance from nearest fresh water well 2800'		Distance from nearest surface water 1050'
Pit: Liner Synthetic XX 12 mils thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input checked="" 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
17.5	13.375	48	400'	450	0
12.25	9.625	36	3700'	1300	0
8.75	5.5	15.5	11375'	1275	3000

**Permit Expires 2 Years From Approval  
Date Unless Drilling Underway**

<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 to shut off gravel and cavings. If commercial, production casing will be run and cemented, will perforate and stimulate as needed for production.

**MUD PROGRAM:** 0-400' FW/Spud Mud; 400-1450' Fresh Water; 1450-3700' Red Bed Mud/Oil; 3700-7200' Cut Brine; 7200-8550' S Gel/Oil; 8550-10500 S Gel/Starch; 10500-11375 SW/Starch/4% KCL.

**BOPE PROGRAM:** a 5000# BOPE will be installed on the 9 5/8" casing and tested daily for operational.

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

<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 NMOC guidelines ☐, a general permit ☒, or an (attached) alternative OCD approved plan ☐.

Signature: *Debbie L. Caffall*

Printed name: Debbie L. Caffall

Title: Regulatory Agent

E-mail Address: debbiec@ypcnm.com

Date 1/18/08

Phone: (575) 748-4376

## OIL CONSERVATION DIVISION

Approved by:

*Chris Williams*Title: **OC DISTRICT SUPERVISOR/GENERAL MANAGER**Approval Date: **FEB 15 2008**

Expiration Date:

Conditions of Approval Attached ☐

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1220 S. St. Francis Dr., Santa Fe, NM 87505

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 October 12, 2005

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>30-005-29020</b>		<sup>2</sup> Pool Code <b>/</b>		<sup>3</sup> Pool Name Wildcat Mississippian	
<sup>4</sup> Property Code <b>34586</b>		<sup>5</sup> Property Name Patsy State Unit			<sup>6</sup> Well Number <b>1</b>
<sup>7</sup> OGRID no. <b>025575</b>		<sup>8</sup> Operator Name Yates Petroleum Corporation			<sup>9</sup> Elevation <b>4445'</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
A	15	12S	31E		990'	North	660'	East	Chaves

**<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 320 E/2		<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.

16					<b><sup>17</sup> OPERATOR CERTIFICATION</b> <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division</i> <div style="text-align: right;">               1/18/08              Date           </div> <hr/> Signature Debbie L. Caffall Regulatory Agent Printed Name
					<b><sup>18</sup> SURVEYOR CERTIFICATION</b> <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>  Date of Survey Signature and Seal of Professional Surveyor:  <b>REFER TO ORIGINAL PLAT</b>  Certificate Number

## DISTRICT II

841 South First, Artesia, NM 88210

## DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

## DISTRICT IV

2040 South Pacheco, Santa Fe, NM 87505

Instruction on back  
Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

## OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
		Wildcat Mississippian
Property Code	Property Name	Well Number
	PATSY STATE UNIT	1
OGRID No.	Operator Name	Elevation
025575	YATES PETROLEUM CORPORATION	4445

## Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	15	12S	31E		990	NORTH	660	EAST	CHAVES

## 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
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						
320									

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

		N.33°16'54.6" W.103°48'10.9" N.830418.4 E.662220.8 (NAD-27)	660'
		VO-7216	
		VO-7195	

**OPERATOR CERTIFICATION**

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

*Robert Asher*

Signature

Robert Asher

Printed Name

Regulatory Agent

Title

2/1/2005

Date

**SURVEYOR CERTIFICATION**

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.

1/24/2005

Date Surveyed

Signature of Professional Surveyor

HERSCHEL JONES

NEW MEXICO

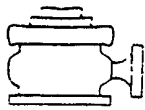
3640

Certificate No. Herschel Jones RLS 3640

PROFESSIONAL LAND SURVEYOR

GENERAL SURVEYING COMPANY

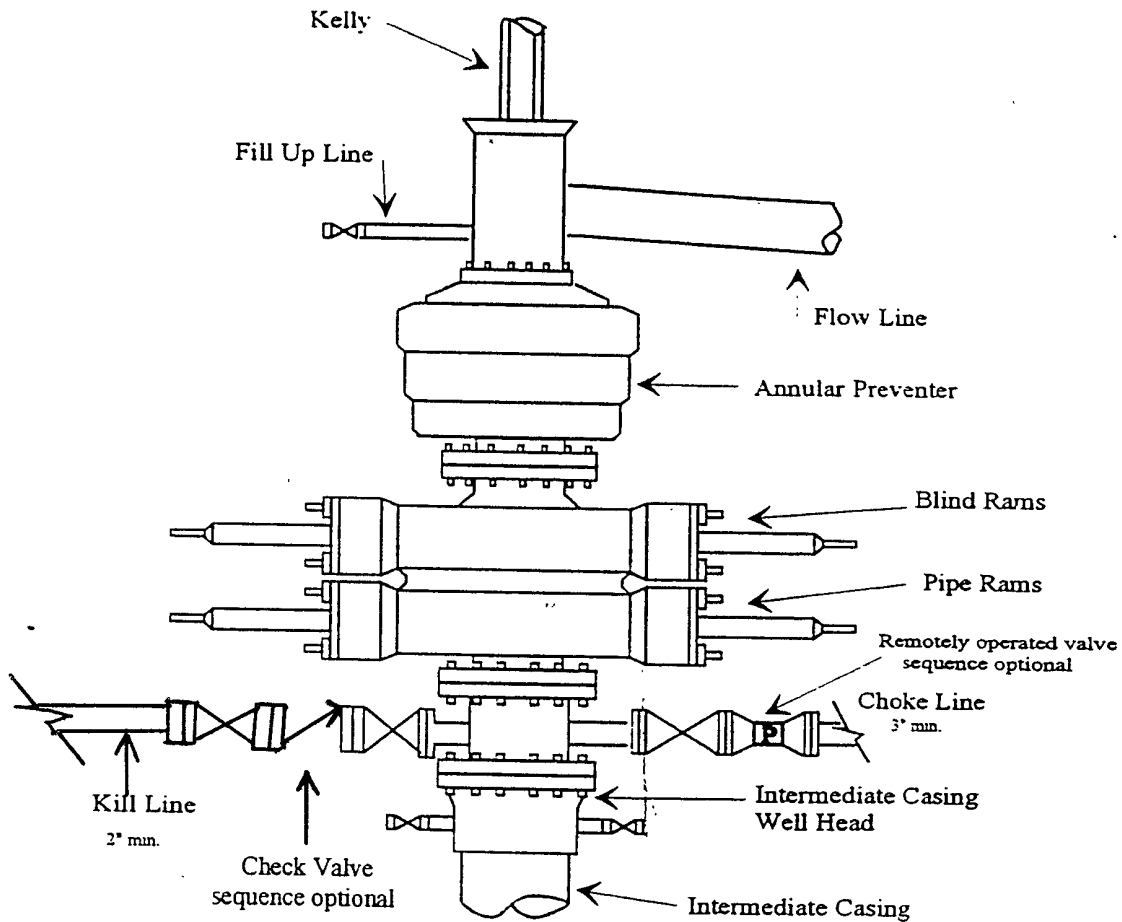
0 330' 660' 990' 1650' 1980' 2310' 2310' 1980' 1650' 990' 660' 330' 0'



# 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

