

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

PO BOX 2088

Santa Fe, NM 87504-2088

RECEIVED

FEB 11 2004

State Lease - 6 Copies

Fee Lease - 5 Copies

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

2040 South Pacheco, Santa Fe, NM 87501

OCD-ARTESIA ☐ 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- OIS - 28408
<sup>4</sup> Property Code 15788	<sup>5</sup> Property Name Patriot AIZ	<sup>6</sup> Well No. 9

**<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
L	21	19S	25E		1980'	South	660'	West	Eddy

**<sup>8</sup> Proposed Bottom Hole Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	Nor	ity
<sup>9</sup> Proposed Pool 1 Dagger Draw Upper Penn, North						NOTIFY OCD SPUD & TIME TO WITNESS 9 5/8" CASING	

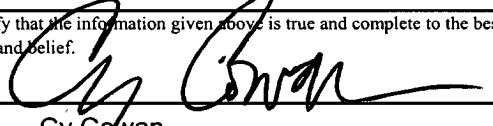
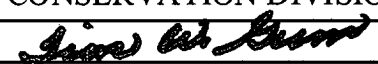
<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code P	<sup>15</sup> Ground Level Elevation 3498'
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 8300'	<sup>18</sup> Formation Canyon	<sup>19</sup> Contractor Not Determined	<sup>20</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"	9 5/8"	36#	1150'	1100 sx	Surface
8 3/4"	7"	23# & 26#	TD	1350 sx	Surface
		J-55 & N-80			

<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 production. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Yates Petroleum Corporation proposes to drill and test the Canyon and intermediate formations. Approximately 1150' 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: 0-1150' FWGel/LCM; 1150-5200' FW; 5200-7200' Cut Brine/KCL; 7200'-TD Cut Brine/Starch. BOPE PROGRAM: A 3000# BOPE will be installed on the 9 5/8" casing and tested daily.

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: 		OIL CONSERVATION DIVISION Approved by: 	
Printed name: Cy Cowan		Title: SUPERVISOR, DISTRICT II	
Title: Regulatory Agent		Approval Date: FEB 12 2004 Expiration Date: FEB 12 2005	
Date: 02/10/04	Phone: (505) 748-1471	Conditions of Approval Attached <input type="checkbox"/>	

**1625 N. French Dr., Hobbs, NM 88240**

**State of New Mexico**  
**Energy, Minerals & Natural Resources Department**

Form C-102  
Revised August 15, 2000

### District II

**811 South First, Artesia, NM 88210**

**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

**Submit to Appropriate District Office**  
**State Lease - 4 Copies**  
**Fee Lease - 3 Copies**

### District III

**1000 Rio Brazos Rd., Aztec, NM 87410**

### District IV

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

AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number	<sup>2</sup> Pool Code <b>15472</b>	<sup>3</sup> Pool Name <b>Dagger Draw, Upper Penn, North</b>
<sup>4</sup> Property Code	<sup>5</sup> Property Name <b>Patriot AIZ</b>	<sup>6</sup> Well Number <b>9</b>
<sup>7</sup> OGRID No. <b>025575</b>	<sup>8</sup> Operator Name <b>Yates Petroleum Corporation</b>	<sup>9</sup> Elevation <b>3480'</b>

## 10 Surface Location


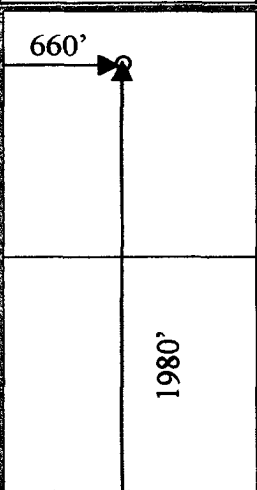
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	21	19S	25E		1980	South	1980	East	Eddy

<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>160</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

16				<b>17 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature
			RECEIVED FEB 11 2004 OCD-ARTESIA	<b>Cy Cowan</b> Printed Name <b>Regulatory Agent</b> Title <b>02/10/2004</b> Date
 660' 1980'	<b>FEE</b>			<b>18 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. <b>REFER TO ORIGINAL PLAT</b> Date of Survey Signature and Seal of Professional Surveyor:   Certificate Number

# **Yates Petroleum Corporation**

**105 S. Fourth Street  
Artesia, NM 88210**

## **Hydrogen Sulfide (H<sub>2</sub>S) Contingency Plan**

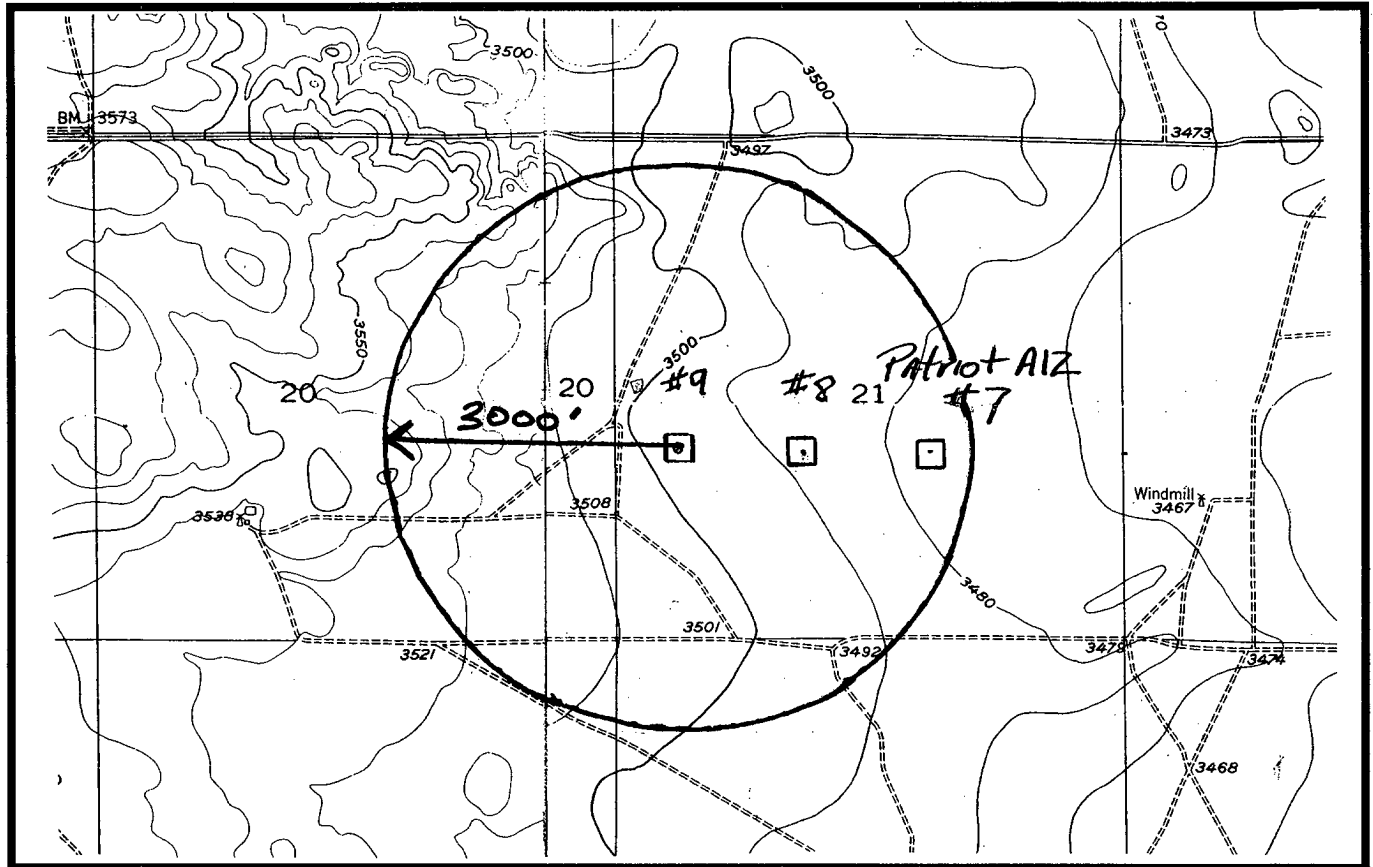
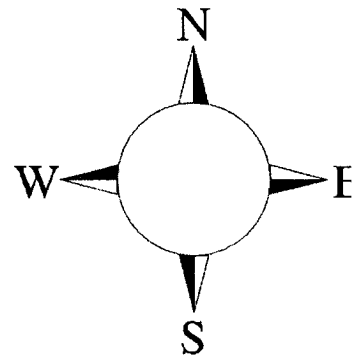
**For**

**Patriot AIZ #9  
1980' FSL, 660' FWL  
Sec-21, T-19S, R-25E  
Eddy County NM**

**RECEIVED  
FEB 11 2004  
OCD-ARTESIA**

## Patriot AIZ #9 Location

This is an open drilling site. H<sub>2</sub>S monitoring equipment and emergency response equipment will be used within 500' of zones known to contain H<sub>2</sub>S, including warning signs, wind indicators and H<sub>2</sub>S monitor.



Assumed 100 ppm RCE = 3000

100 ppm H<sub>2</sub>S concentration shall trigger activation of this plan.

## **Emergency Procedures**

In the case of a release of gas containing H<sub>2</sub>S, the first responder(s) must isolate the area and prevent entry by other persons into the 100 ppm ROE. Additionally the first responder(s) must evacuate any public places encompassed by the 100 ppm ROE. First responder(s) must take care not to injure themselves during this operation. Company and/or local officials must be contacted to aid in this operation. Evacuation of the public should be beyond the 100 ppm ROE.

All responders must have training in the detection of H<sub>2</sub>S, measures for protection against the gas, equipment used for protection and emergency response. Additionally, responders must be equipped with H<sub>2</sub>S monitors and air packs in order to control the release. Use the “buddy system” to ensure no injuries during the response.

## **Ignition of Gas Source**

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO<sub>2</sub>). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever there is an ignition of the gas

## **Characteristics of H<sub>2</sub>S and SO<sub>2</sub>**

<b>Common Name</b>	<b>Chemical Formula</b>	<b>Specific Gravity</b>	<b>Threshold Limit</b>	<b>Hazardous Limit</b>	<b>Lethal Concentration</b>
<b>Hydrogen Sulfide</b>	<b>H<sub>2</sub>S</b>	<b>1.189 Air = 1</b>	<b>10 ppm</b>	<b>100 ppm/hr</b>	<b>600 ppm</b>
<b>Sulfur Dioxide</b>	<b>SO<sub>2</sub></b>	<b>2.21 Air = 1</b>	<b>2 ppm</b>	<b>N/A</b>	<b>1000 ppm</b>

## **Contacting Authorities**

YPC personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available. The following call list of essential and potential responders has been prepared for use during a release. YPC Company response must be in coordination with the State of New Mexico’s ‘Hazardous Materials Emergency Response Plan’ (HMER)

## ***Yates Petroleum Corporation Phone Numbers***

---

YPC Office ..... (505) 748-1471  
Pinson McWhorter/Operations Manager ..... (505) 748-4189  
Darrel Atkins/Production Manager ..... (505) 748-4204  
Ron Beasley/Prod Superintendent ..... (505) 748-4210  
Al Springer/Drilling ..... (505) 748-4225  
Paul Hanes/Prod. Foreman/Roswell ..... (505) 624-2805  
Jim Krogman/Drilling Superintendent..... (505) 748-4215  
Artesia Answering Service ..... (505) 748-4302  
(During non-office hours)

### **Agency Call List**

#### **Eddy County (505)**

##### **Artesia**

State Police..... 746-2703  
City Police..... 746-2703  
Sheriff's Office ..... 746-9888  
Ambulance ..... 911  
Fire Department ..... 746-2701  
LEPC (Local Emergency Planning Committee) ..... 746-2122  
NMOCD..... 748-1283

##### **Carlsbad**

State Police..... 885-3137  
City Police..... 885-2111  
Sheriff's Office ..... 887-7551  
Ambulance ..... 911  
Fire Department ..... 885-2111  
LEPC (Local Emergency Planning Committee)..... 887-3798  
US Bureau of Land Management.....887-6544

New Mexico Emergency Response Commission (Santa Fe) (505)476-9600  
24 HR .....(505) 827-9126  
National Emergency Response Center (Washington, DC) ...(800) 424-8802

##### **Other**

Boots & Coots IWC .....1-800-256-9688 or (281) 931-8884  
Cudd Pressure Control.....(915) 699-0139 or (915) 563-3356  
Halliburton .....(505) 746-2757  
B. J. Services.....(505) 746-3569

Flight For Life -4000 24th St, Lubbock, TX .....(806) 743-9911  
Aerocare -Rr 3 Box 49f, Lubbock, TX .....(806) 747-8923  
Med Flight Air Amb 2301 Yale Blvd SE #D3, Albuq, NM .....(505) 842-4433  
S B Air Med Svc 2505 Clark Carr Loop SE, Albuq, NM .....(505) 842-4949  
.....