

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

DISTRICT II  
811 South First, Artesia, NM 88210

OIL CONSERVATION DIVISION

Submit to appropriate District Office

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 Re, NM 8750.

☐ 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- 025-29451
<sup>4</sup> Property Code 32128	<sup>5</sup> Property Name Reed AXV Com.	<sup>6</sup> Well No. 1

<sup>7</sup> Surface Location

UL or lot no. K	Section 12	Township 15S	Range 34E	Lot Idn	Feet from the 1870	North/South Line South	Feet from the 2080	East/West Line West	County Lea
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<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 Wildcat Mississippian					<sup>10</sup> Proposed Pool 2				

<sup>11</sup> Work Type Code E	<sup>12</sup> Well Type Code G	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code P	<sup>15</sup> Ground Level Elevation 4063'
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 13,400	<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
17 1/2"	13 3/8"	48#	406'-in place	460 sx	Circulated
11"	8 5/8"	24 & 28#	4616'-in place	2130 sx	Circulated
7 7/8"	5 1/2"	17#	10450'-in place	1825 sx	TOC-2400'
	3 1/2"	9.2#	13400'	200 sx	TOC-10000'

<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.

See Attached Sheet.

Re-entry

RECEIVED  
Hobbs  
OCD

<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 PAUL F. KAUTZ	
Printed name: Clifton R. May		Title: PETROLEUM ENGINEER	
Date: 03/19/03		Approval Date: MAR 25 2003	
Phone: (505) 748-1471		Expiration Date:	
		Conditions of Approval	
		Attached <input type="checkbox"/>	

**YATES PETROLEUM CORPORATION**

**Reed AXV Com. #1 Re-Entry**

1870' FSL & 2080' FWL

Section 12-T15S-R34E

Lea County, New Mexico

Yates Petroleum Corporation plans to re-enter the well with a pulling unit and a reverse unit to drill out cement plugs in the 8 5/8" casing at the surface, 336-456', 1360-1900' and at the top of the cut on the 5 1/2" at 2180-2616'. The 5 1/2" stub will be dressed off and new 5 1/2" casing will be run with a slip joint and joined on to the existing 5 1/2" casing. Cement plugs in the 5 1/2" casing at 4416'-4666', 5850-6100' and 7850-8100' and a CIBP at 9826' will be drilled out and the well will be cleaned out to the PBTD, estimated to be at 10445'. Original Wolfcamp perforations at 10415'-10420' will be squeeze cemented with 100 sacks of cement and the well will again be cleaned out to PBTD. At that point, a drilling rig will be moved in and the well will be deepened to a total depth of approximately 13400' and open hole logs will be run. A 3 1/2", 9.2# P110 casing will be run from TD to surface and will be cemented with 200 sacks to bring the cement top to 10000'. The well will be completed with a pulling unit in the Austin Cycle, Morrow or Atoka, depending on results of the open hole and mud logs. The mud program will be 9.2 to 9.5 ppg brine water with a viscosity of 55-70 cp.

FOR 2011  
RESERVED  
Hobbs  
OCD

Well Name: Reed No. 2 Field: \_\_\_\_\_

Location: 1870' FSL & 2080' FWL Sec. 12-15S-34E Lea Co, NM

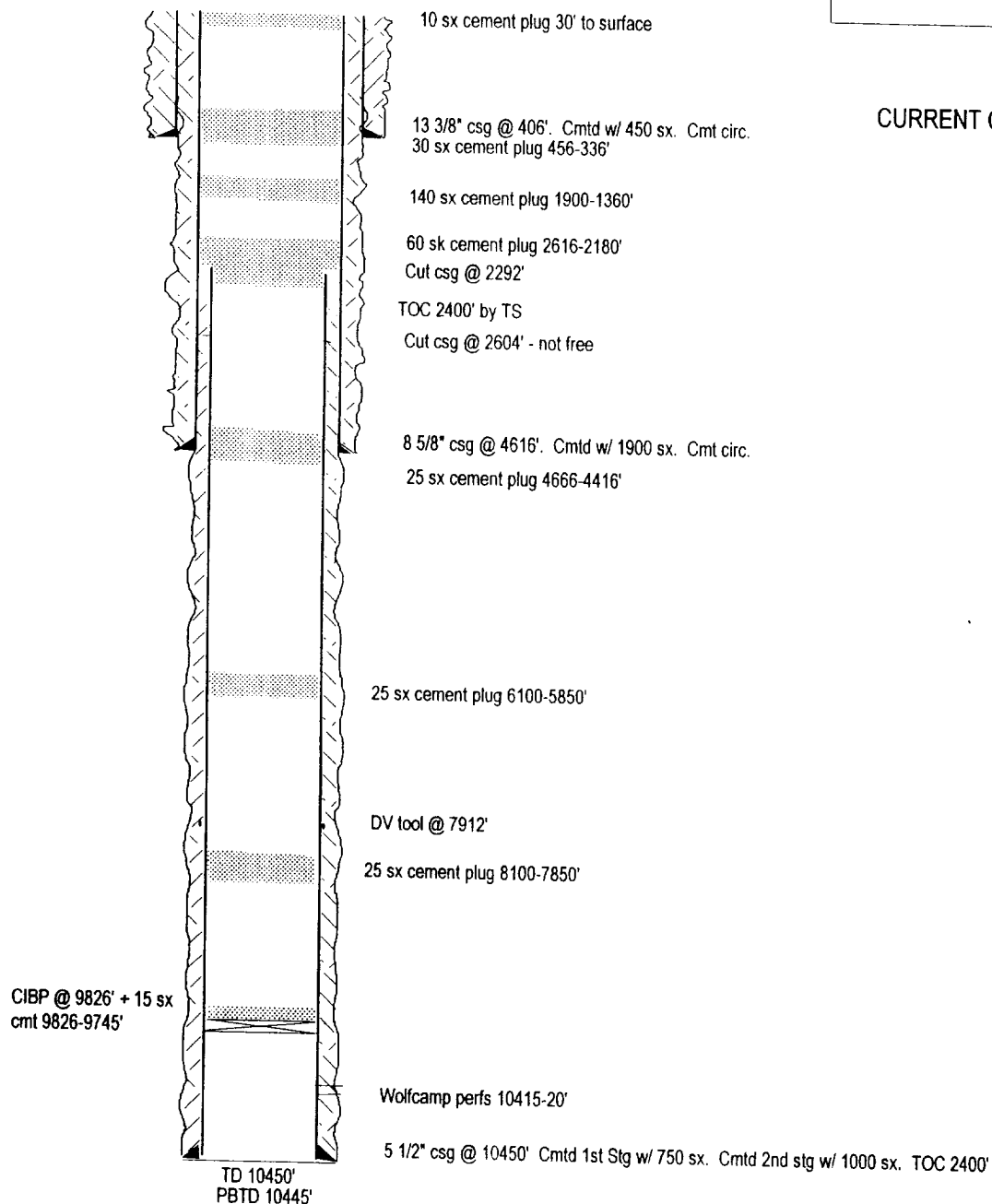
GL: 4063' Zero: \_\_\_\_\_ AGL: \_\_\_\_\_ KB: \_\_\_\_\_

Spud Date: \_\_\_\_\_ Completion Date: \_\_\_\_\_

Comments: \_\_\_\_\_

Casing Program	
Size/Wt/Grade/Conn	Depth Set
13 3/8" 48#	406'
8 5/8" 24 & 28#	4616'
5 1/2" 17#	10450'

### CURRENT CONFIGURATION



SKETCH NOT TO SCALE

DATE: \_\_\_\_\_

Well Name: Reed No. 2 Field: \_\_\_\_\_

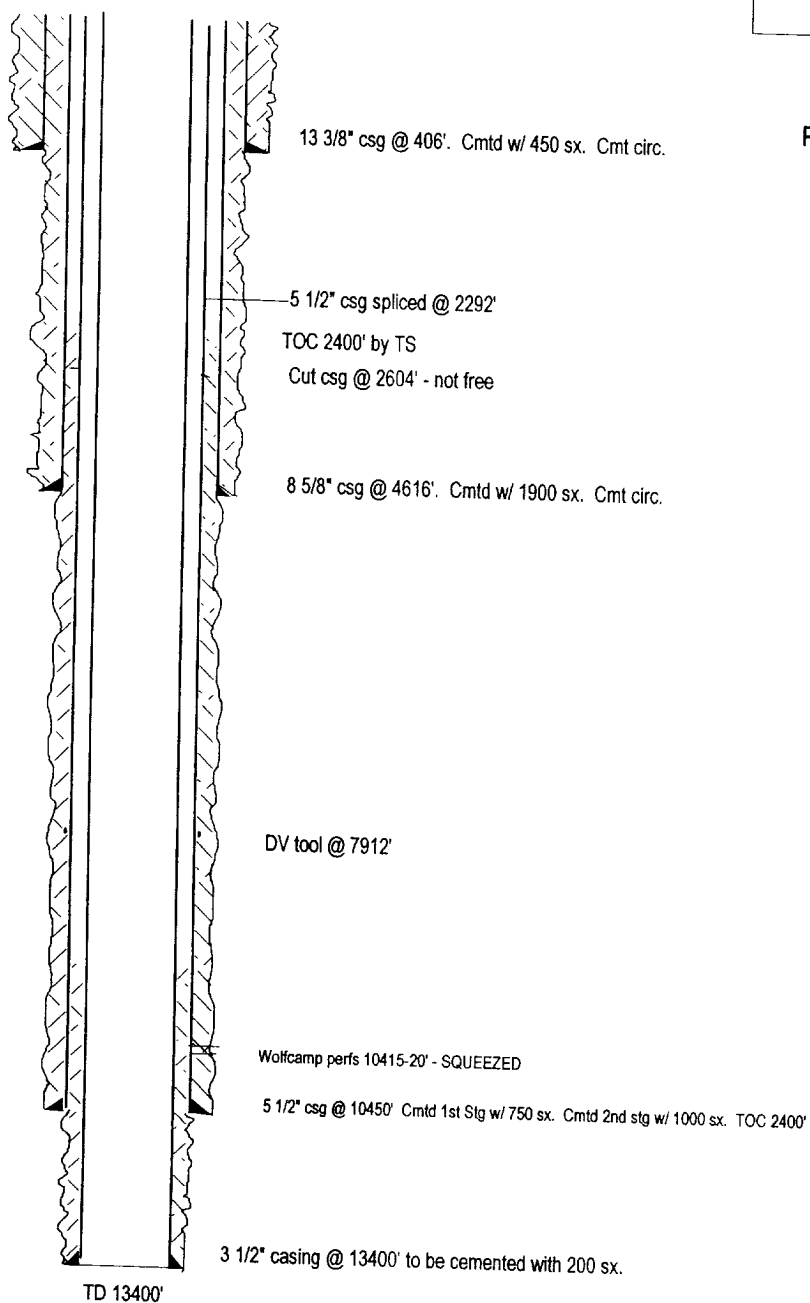
Location: 1870' FSL & 2080' FWL Sec. 12-15S-34E Lea Co, NM

GL: 4063' Zero: \_\_\_\_\_ AGL: \_\_\_\_\_ KB: \_\_\_\_\_

Spud Date: \_\_\_\_\_ Completion Date: \_\_\_\_\_

Comments: \_\_\_\_\_

Casing Program	
Size/Wt/Grade/Conn	Depth Set
13 3/8" 48#	406'
8 5/8" 24 & 28#	4616'
5 1/2" 17#	10450'



PROPOSED CONFIGURATION

RECEIVED  
Hobbs  
OCD

SKETCH NOT TO SCALE

DATE: \_\_\_\_\_

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

District II  
811 South First, Artesia, NM 88210

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

District IV  
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 August 15, 2000

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 30-025-29451	<sup>2</sup> Pool Code ✓	<sup>3</sup> Pool Name Wildcat Mississippian
<sup>4</sup> Property Code 32128	<sup>5</sup> Property Name REED AXV COM.	<sup>6</sup> Well Number 1
<sup>7</sup> OGRID No. 025575	<sup>8</sup> Operator Name Yates Petroleum Corporation	<sup>9</sup> Elevation 4063'

<sup>10</sup> Surface Location

UL or lot no. K	Section 12	Township 15S	Range 34E	Lot Idn	Feet from the 1870	North/South line South	Feet from the 2080	East/West line West	County Lea
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<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
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<sup>12</sup> Dedicated Acres 320	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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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

FEE	2080'	1870'	FEE	RECEIVED HOBBS OCT	<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Clifton R. May Signature Clifton R. May Printed Name Regulatory Agent Title 3/19/2003 Date
					<sup>18</sup> 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. REFER TO ORIGINAL PLAT Date of Survey Signature and Seal of Professional Surveyor: Certificate Number

# NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-199  
Supersedes C-138  
Effective 1-1-85

All distances must be from the outer boundaries of the Section.

Operator <b>UNION OIL OF CALIFORNIA</b>			Lease <b>REED</b>		Well No. <b>2</b>
Unit Letter <b>K</b>	Section <b>12</b>	Township <b>15 SOUTH</b>	Range <b>34 EAST</b>	County <b>LEA</b>	
Actual Footage Location of Well:					
<b>1870</b> feet from the <b>SOUTH</b> line and		<b>2080</b> feet from the <b>WEST</b> line			
Ground Level Elev. <b>4063.0'</b>	Producing Formation <b>WOLFCAMP</b>		Pool <b>MORTON WOLFCAMP</b>	Dedicated Acreage: <b>80</b>	
Acres					

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

## CERTIFICATION

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

*J.R. Hughes*  
J.R. Hughes

Position

District Drilling Supt.

Company

Union Oil Co. of California

Date

October 3, 1985

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 knowledge and belief.

Date Surveyed

SEPTEMBER 12, 1985

Registered Professional Engineer and/or Land Surveyor



2080'

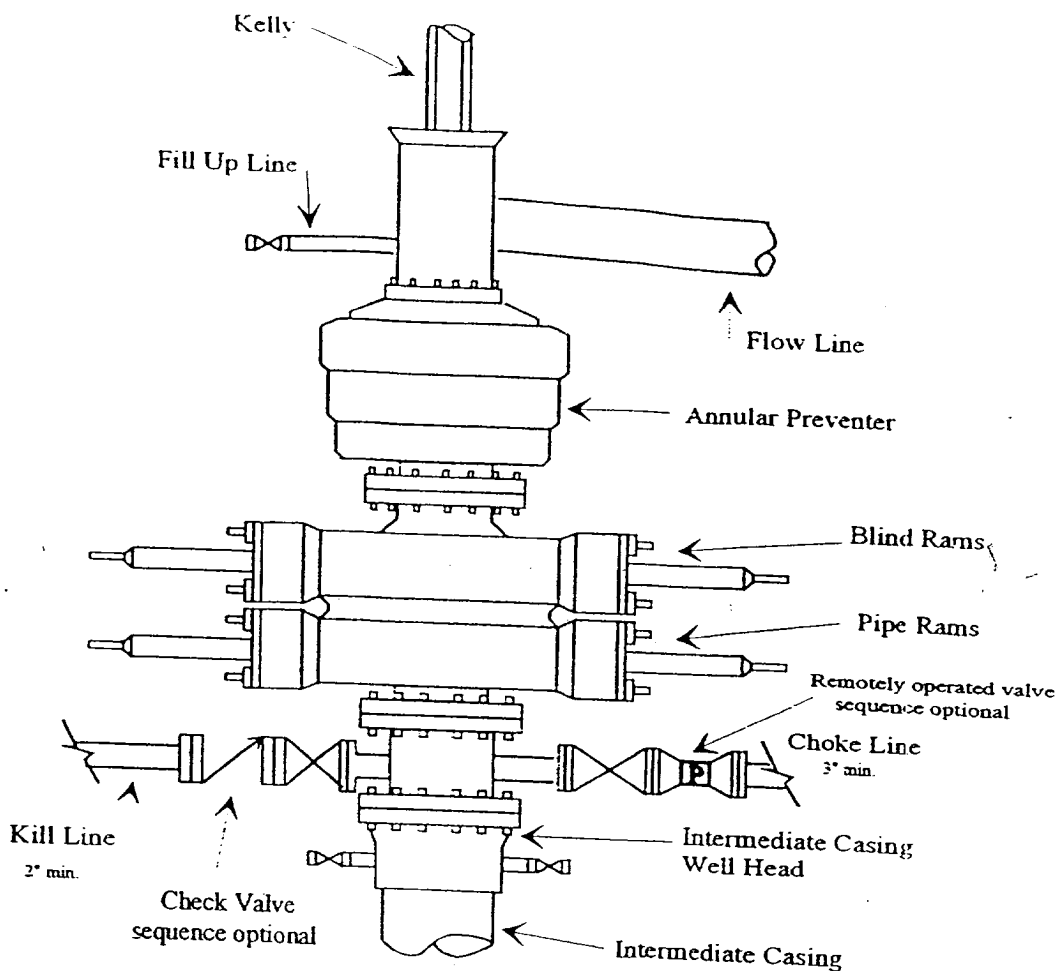
1870'



# 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

