

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  
2040 South Pacheco, Santa Re, NM 87501

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION  
PO BOX 2088  
Santa Fe, NM 87504-2088

Form C-101  
Revised March 17, 1999  
Instructions on back  
Submit to appropriate District Office  
State Lease - 6 Copies  
Fee Lease - 5 Copies

☐ 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 30-025-01284
<sup>4</sup> Property Code 32035	<sup>5</sup> Property Name Caviness State Unit	<sup>6</sup> Well No. 1

<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
I	34	16S	33E		1980'	South	660'	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 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 S	<sup>15</sup> Ground Level Elevation 4183'
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 14,000'	<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#	345'-in place	350 sx	Circulated
11"	8 5/8"	24#	4647'-in place	2000 sx	Circulated
7 7/8"	5 1/2"	17# & 20#	5100'-11850'-in place	500 sx	TOC-7868'
7 7/8"	5 1/2"	17#	Tie-in @ 5100'		Circulated
	3 1/2"	9.2#	11350 to 14000'	200sx	TOC-11350

<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.

See Attached Sheet.

Permit Expires 1 Year From Approval  
Date Unless Drilling Underway  
Re-Entry

FILED  
HOBBS  
NM

<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	
Printed name: Clifton R. May		Approved by: ORIGINAL SIGNED BY PAUL F. KAUTZ	
Title: Regulatory Agent		Title: PETROLEUM ENGINEER	
Date: 02/27/03		Approval Date: MAR 07 2003	
Phone: (505) 748-1471		Expiration Date:	
		Conditions of Approval Attached <input type="checkbox"/>	

*myP*

# **YATES PETROLEUM CORPORATION**

## **Caviness State Unit #1 Re-entry**

**1980' FSL & 660' FEL**

**Section 34-T16S-R33E**

**Lea County, New Mexico**

**Lease #VO-5279**

T.G.P. State No. 1 (Renamed the Caviness State No. 1)  
1980' FSL & 660' FEL of Sea. 34, T16S, R33E  
Lea County, New Mexico  
Originally T.G.P. State No. 1 drilled by Neville G. Penrose, Inc.

Yates' plan is 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 and at the base of the 8 5/8" at 4647 – 4547'. The wellbore will be cleaned out to the top of the 5 1/2" casing at 5100'. 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. The 5 1/2" casing will be cleaned out to the PBTD estimated to be at 11804'. Original perforations at 11708'-11722' 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 11400' and open hole logs will be run. A 3 1/2" liner will be run from approximately 11350' to TD, cemented with 200 sacks to bring cement top to the top of the liner at 11350'. 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 9.2-9.5 ppg brine water with a viscosity of 55-70 cp.

**A 3,000# BOPE will be installed on the 8 5/8" casing. After the 5 1/2" casing is repaired a 5000# BOPE will be nipped up on the 5 1/2" casing.**

REC'D  
FILED  
6-30

## 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 &amp; Natural Resources Department

Form C-102

Revised August 15, 2000

## 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

☐

AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-01284	<sup>2</sup> Pool Code ✓	<sup>3</sup> Pool Name Wildcat Mississippian
<sup>4</sup> Property Code 32035	<sup>5</sup> Property Name CAVINNESS STATE UNIT	<sup>6</sup> Well Number 1
<sup>7</sup> OGRID No. 025575	<sup>8</sup> Operator Name Yates Petroleum Corporation	<sup>9</sup> Elevation 4183'

<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
I	34	16S	33E		1980	South	660	East	Lea

<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 S/2	<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

16					<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. <i>Clifton R. May</i> Signature Clifton R. May Printed Name Regulatory Agent Title 2/20/2003 Date
V-5287		V-5279	660' 1980'	<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	

N MEXICO OIL CONSERVATION COMMISSION  
Well Location and Acreage Dedication Plat

Section A.

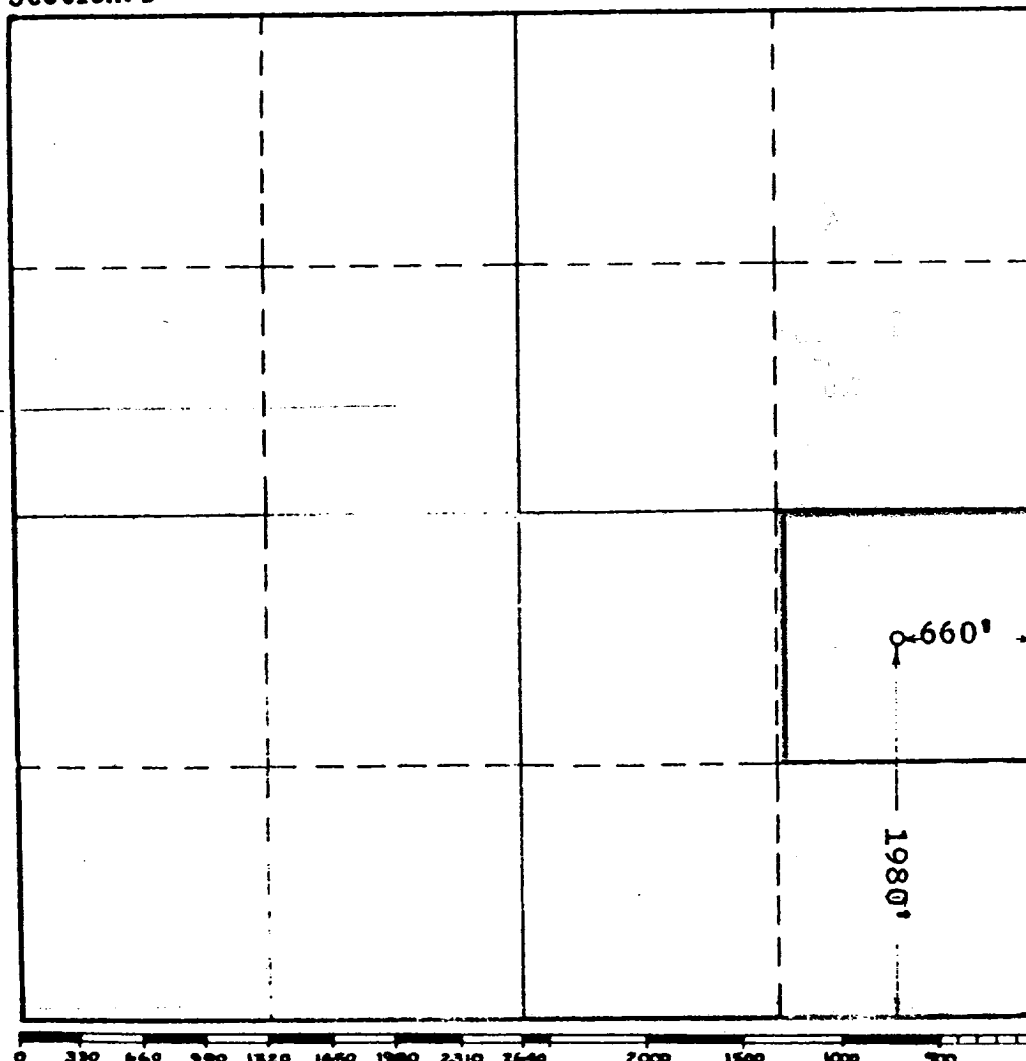
Date 6-14-1957

Operator Neville G. Penrose, Inc. Lease T G P State  
Well No. 1 Unit Letter I Section 34 Township 16 South Range 33 East NMPM  
Located 1980 Feet From South Line, 660 Feet From East Line  
County Lca G. L. Elevation 4182.7 Dedicated Acreage 400 Acres  
Name of Producing Formation Pennsylvanian Pool Wildest

1. Is the Operator the only owner\* in the dedicated acreage outlined on the plat below?  
Yes \_\_\_\_\_ No X .
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes \_\_\_\_\_ No X . If answer is "yes," Type of Consolidation \_\_\_\_\_
3. If the answer to question two is "no," list all the owners and their respective interests below:

<u>Owner</u>	<u>Land Description</u>
<u>Neville G. Penrose, Inc.</u>	<u>Undivided</u>
<u>W.D. Anderson &amp; Sons</u>	<u>Undivided</u>

Section B



This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

Neville G. Penrose, Inc.  
(Operator)  
T.H. Bright T.H. Bright  
(Representative)

Box 988, Eunice, N.M.  
Address

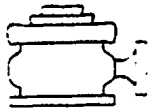
This is to certify that the well location shown on the plat in Section B was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed 6-14-1957

John W. West  
Registered Professional  
Engineer and/or Land Surveyor.

Certificate No. 676

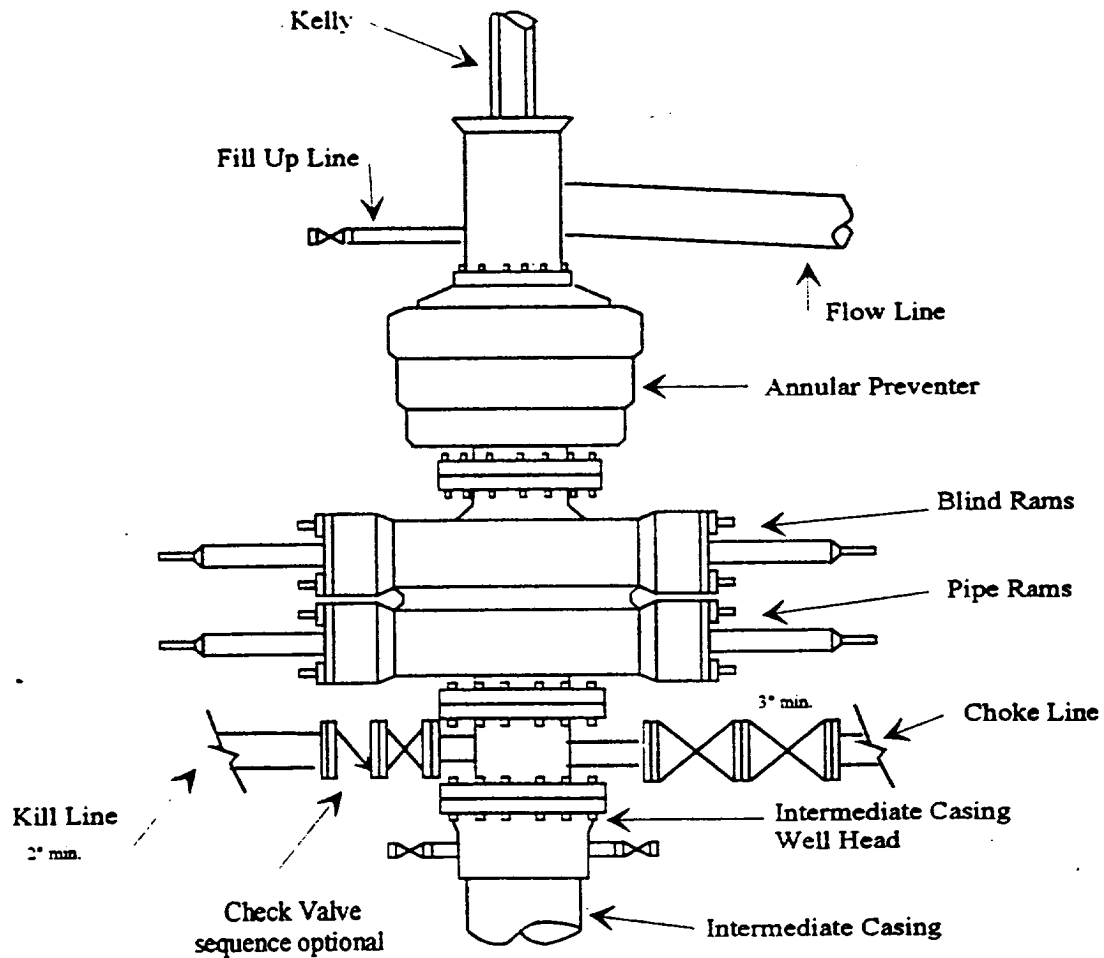
(See instructions for completing this form on the reverse side)



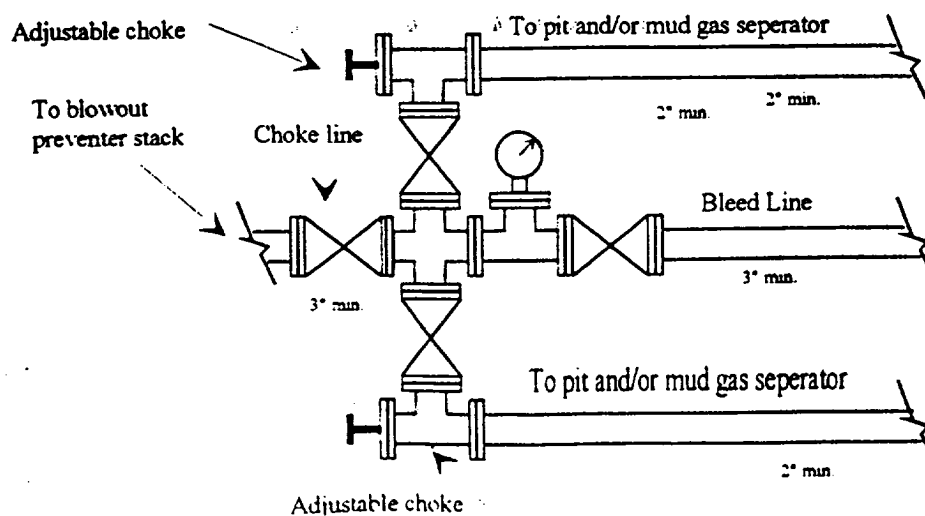
# Yates Petroleum Corporation

BOP-3

## Typical 3,000 psi Pressure System Schematic Annular with Double Ram Preventer Stack



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



RECEIVED  
Hobbs  
OCD