

RECEIVED

JAN 14 2004

DISTRICT I

1625 N. French Dr., Hobbs, NM 88240

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-101

OCD-ARTESIA

Revised March 17, 1999

Instructions on back

Submit to appropriate District Office

DISTRICT II

811 South First, Artesia, NM 88210

OIL CONSERVATION DIVISION

State Lease - 6 Copies

Fee Lease - 5 Copies

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

PO BOX 2088

Santa Fe, NM 87504-2088

DISTRICT IV

2040 South Pacheco, Santa Fe, NM 87501

☐ 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- 30-015- <del>00000</del> 33177
<sup>4</sup> Property Code	<sup>5</sup> Property Name Barbara 17 SE Com.	<sup>6</sup> Well No. 20

**<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
O	17	19S	25E		660'	South	1980'	East	Eddy

**<sup>8</sup> Proposed Bottom Hole Loc:**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	NOTIFY OCD SPUD & TIME TO WITNESS 8 5/8" CASING	County
<sup>9</sup> Proposed Pool 1 Boyd Morrow Gas							

<sup>11</sup> Work Type Code PB	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary Rotary	<sup>14</sup> Lease Type Code P	<sup>15</sup> Ground Level Elevation 3519'
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 9650'	<sup>18</sup> Formation Morrow	<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
12 1/4"	8 5/8" - K-55	23#	1200'	835 sx circ.	Surface
7 7/8"	5 1/2" - L-55	17#	9650'	950 sx	6000' TOC

<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 Morrow and intermediate formations. Approximately 400' of surface casing will be set and cement circulated. If commercial, production casing will be run and cemented back to approximately 6000', perforated and stimulated as needed for production.

**MUD PROGRAM:** 0-4700' FW; 4700-7400' Cut Brine; 7400 - TD' Cut Brine/Starch.

**BOPE PROGRAM:** 3000# BOPE will be installed on 8 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: *Debbie C. Cowan*

Printed name: Cy Cowan/Land Department

OIL CONSERVATION DIVISION  
ORIGINAL SIGNED BY TIM W. GUN  
DISTRICT II SUPERVISOR

Approved by:

Title:

Title: Regulatory Agent debbiec@ypcnm.com

Approval: JAN 14 2004

Expiration Date:

JAN 14 2005

Date:

01/12/04

Phone:

(505) 748-1471

Conditions of Approval

Attached ☐

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 <b>30-015-29392</b>	<sup>2</sup> Pool Code <b>72800</b>	<sup>3</sup> Pool Name <b>Boyd Morrow Gas</b>
<sup>4</sup> Property Code	<sup>5</sup> Property Name <b>Barbara 17 SE Com.</b>	<sup>6</sup> Well Number <b>20</b>
<sup>7</sup> OGRID No. <b>025575</b>	<sup>8</sup> Operator Name <b>Yates Petroleum Corporation</b>	<sup>9</sup> Elevation <b>3519'</b>

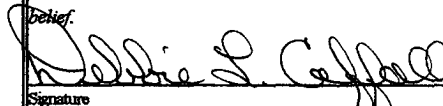
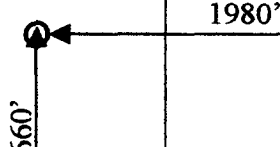
<sup>10</sup> Surface Location

UL or lot no. <b>0</b>	Section <b>17</b>	Township <b>19S</b>	Range <b>25E</b>	Lot Idn	Feet from the <b>660</b>	North/South line <b>South</b>	Feet from the <b>1980</b>	East/West line <b>East</b>	County <b>Eddy</b>
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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
<sup>12</sup> Dedicated Acres <b>320</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> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature <b>Cy Cowan</b> Printed Name <b>Regulatory Agent</b> Title <b>01/12/2004</b> Date
NM-1372		NM-1372		<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. <b>REFER TO ORIGINAL PLAT</b> Date of Survey Signature and Seal of Professional Surveyor:  Certificate Number
	FEE			

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2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural ResourcesOIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505Form C-102  
Revised March 17, 1999Submit 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 30-015-29392	<sup>2</sup> Pool Code 72800	<sup>3</sup> Pool Name Boyd Morrow Gas
<sup>4</sup> Property Code	<sup>5</sup> Property Name Barbara 17 SE Com.	<sup>6</sup> Well Number 20
<sup>7</sup> OGRID No. 025575	<sup>8</sup> Operator Name Yates Petroleum Corporation	<sup>9</sup> Elevation

<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
0	17	19-S	25-E		660'	South	1980'	East	Eddy

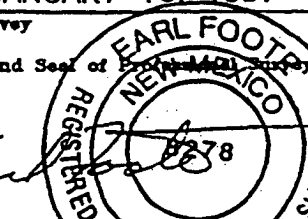
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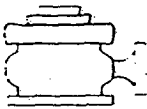
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NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<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 Printed Name Ken Beardemphl Title Landman Date February 4, 2000
	<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 Surveyer:  REFER TO ORIGINAL PLAT  Certificate Number

16		<p style="text-align: center;"><b>17 OPERATOR CERTIFICATION</b></p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <p style="text-align: right;"><i>Jerry W. Hoover</i></p> <p>Signature: <u>JERRY W. HOOVER</u></p> <p>Printed Name: <u>JERRY W. HOOVER</u></p> <p>Title: <u>SR. CONSERVATION COORDINATOR</u></p> <p>Date: <u>1-21-97</u></p>
<p><i>~ Cemetery Marrow</i></p>	<p><i>~ Daggor Draw Upper Penn, North</i></p>	<p style="text-align: center;"><b>18 SURVEYOR CERTIFICATION</b></p> <p><i>I hereby certify that the well location shown on this map was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to best of my belief.</i></p> <p style="text-align: right;">JANUARY 16, 1997</p> <p>Date of Survey: <u>JANUARY 16, 1997</u></p> <p>Signature and Seal of Surveyor: <i>Earl Foot</i></p> <div style="text-align: right;">  </div>

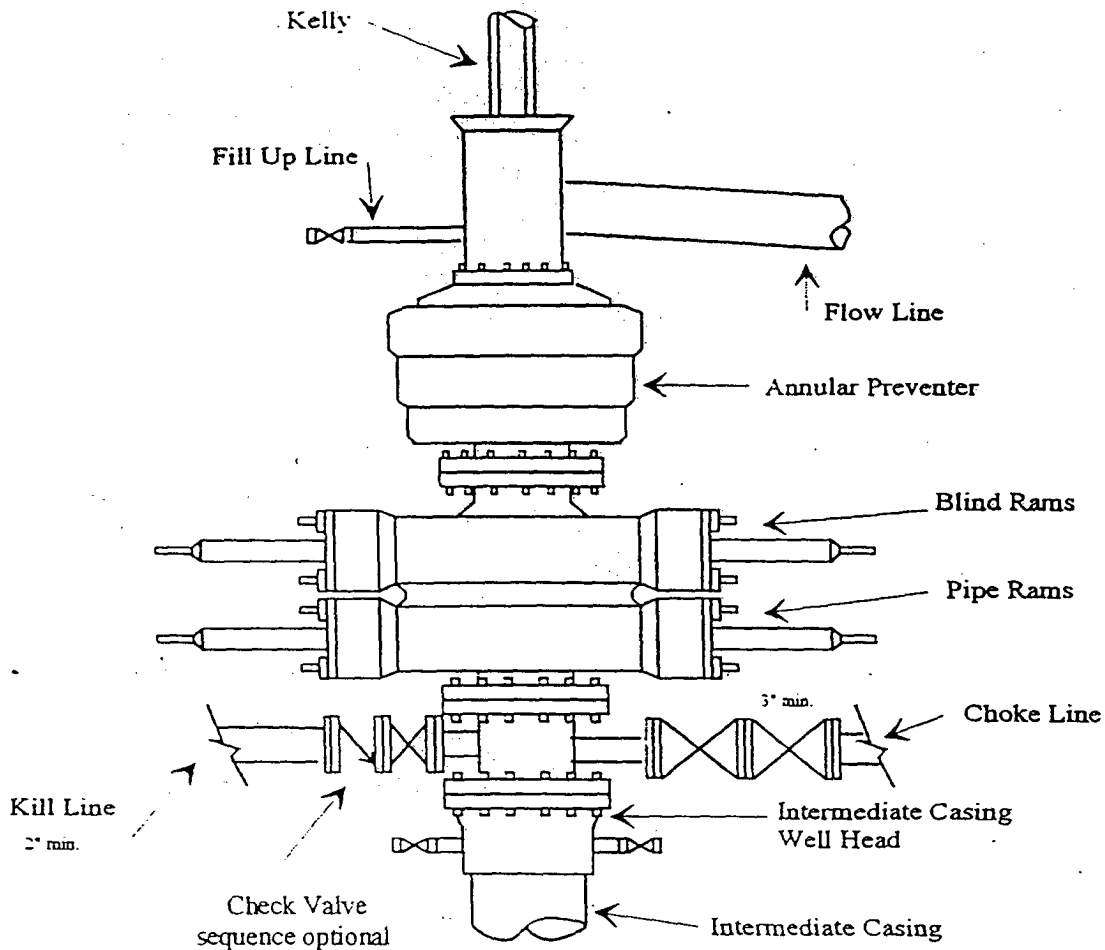
1980'



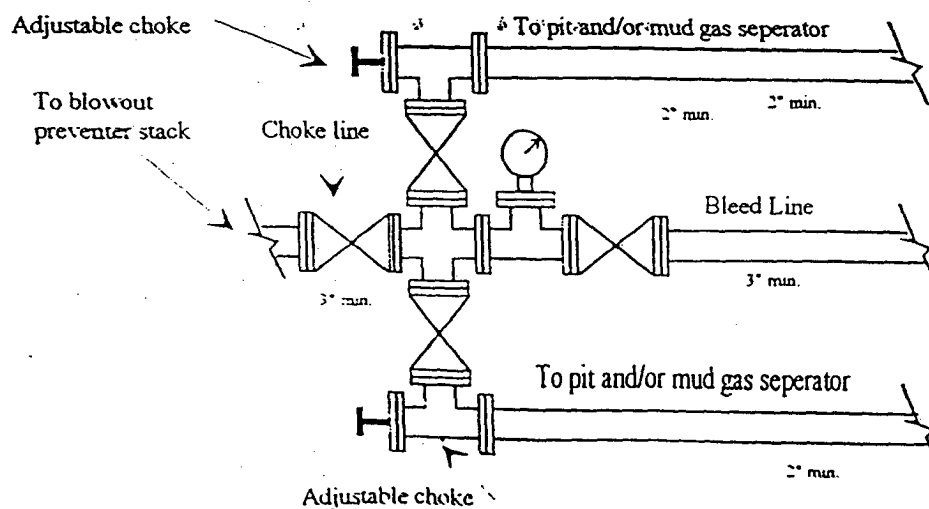
# Yates Petroleum Corporation

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



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  
PRESIDENT  
PEYTON YATES  
EXECUTIVE VICE PRESIDENT  
RANDY G. PATTERSON  
SECRETARY  
DENNIS G. KINSEY  
TREASURER

January 12, 2004

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

Re: Barbara 17 SE Com. #20  
660'FSL and 1980'FEL  
Section 17, T19S-R25E  
Eddy 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 Morrow to even meet the OCD's minimum requirements for the submission of a contingency plan per Rule 118.

Thank you,

YATES PETROLEUM CORPORATION

  
Debbie L. Caffall  
Regulatory Technician

/jrr

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Thank you,

YATES PETROLEUM CORPORATION

Debbie L. Caffall  
Regulatory Technician

/jrr

MOBILE ANALYTICAL LABORATORIES, INC.  
P. O. BOX 69210  
ODESSA, TEXAS 79769-9210  
PHONE 432-337-4744 FAX 432-337-8781

## ANALYSIS REPORT

COMPANY ..... CONOCO PHILLIPS  
LEASE ..... FRANCIS FEE #1  
STATION ..... 131-35-215  
OPERATOR ..... CONOCO PHILLIPS SENM  
EFFECTIVE .... 12/04/03  
CYLINDER ..... 382

LAB NUMBER ..... 6028  
DATE SAMPLED ..... 12/04/03  
DATE RUN ..... 12/05/03  
PRESS. PSIA ..... 232.7  
TEMP. DEG. F ..... 45  
SAMPLE ..... SPOT

COMPONENT	MOL %	GPM
NITROGEN .....	4.462	0.000
CARBON DIOXIDE .....	0.435	0.000
METHANE .....	77.937	0.000
ETHANE .....	10.265	2.729
PROPANE .....	4.676	1.280
ISO-BUTANE .....	0.515	0.168
N-BUTANE .....	1.107	0.347
ISO-PENTANE .....	0.218	0.079
N-PENTANE .....	0.204	0.073
HEXANES PLUS .....	0.178	0.077
H2S .....	0.003	0.000
TOTALS	100.000	4.753

ANALYSIS CALCULATED AT 14.65 PSIA &amp; 60 DEG. F

GROSS DRY BTU/CU.FT. .... 1165  
GROSS WET BTU/CU.FT. .... 1145  
CALC. REAL SP.GR. .... 0.7101  
C5+ GPM ..... 0.229  
WATER CONTENT LBS/MMSCF ... 15.0  
H2S PPM ..... 25

505-746-2523

To: Michael Watson

From: Cliff Sherman  
ConocoPhillips

Information to support provision for Rule 118.