

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

**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 <b>30-025-34777</b>
<sup>5</sup> Property Code 34283	<sup>3</sup> Property Name Mattea BFA State	<sup>6</sup> Well No. 2
<sup>9</sup> Proposed Pool 1 Wildcat		<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
M	35	10S	34E		330'	South	330'	West	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

**Additional Well Information**

<sup>11</sup> Work Type Code E & D	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 4161'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth 10500'	<sup>18</sup> Formation Bough B	<sup>19</sup> Contractor Not Determined	<sup>20</sup> Spud Date ASAP
Depth to Groundwater 40'		Distance from nearest fresh water well More than 1000'		Distance from nearest surface water More than 1000'
Pit: Lner: Synthetic XX 12_mils thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

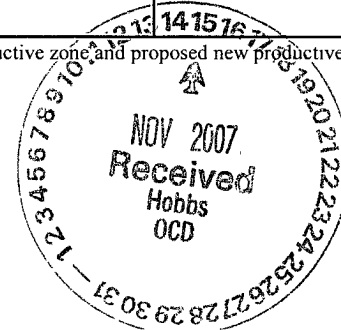
**<sup>21</sup> Proposed Casing and Cement Program**

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	48#	391' - in place	425 sx	Surface
11"	8 5/8"	32#	3800' - in place	800 sx	Surface
7 7/8"	5 1/2"	17#	0-10500'	1600 sx	3240'

<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

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



<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 NMOCD guidelines <input type="checkbox"/> , a general permit <input checked="" type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		<b>OIL CONSERVATION DIVISION</b>	
Signature: <i>Clifton R. May</i>		Approved by: <i>Tary W. Wink</i>	
Printed name: Clifton R. May		Title: <b>OC FIELD REPRESENTATIVE / STAFF MANAGER</b>	
Title: Regulatory Agent		Approval Date: <b>NOV 27 2007</b> Expiration Date:	
E-mail Address:			
Date: 11/14/07	Phone: (505) 748-4347	Conditions of Approval Attached <input type="checkbox"/>	

PREVIOUSLY APPROVED

**YATES PETROLEUM CORPORATION**

**Mattea BFA State #2 Re-entry**

**330' FSL & 330' FWL**

**Section 35-T10S-R34E**

**Lea County, New Mexico**

**Lease VO-6091**

**Drilling Plans:** Yates Petroleum Corporation plans to re-enter this well bore that was originally drilled by Manzano Oil Corporation as their Sand Springs State Unit #1, which was plugged on August 23, 2000. Yates will use a pulling unit and a reverse unit to drill out the cement plugs using a 7 7/8" bit in the 8 5/8" casing to a plug at approximately 3728'. Test the casing to 500 psi. Circulate hole clean and trip out of hole and rig down pulling unit.

A drilling rig will be moved onto location and the remaining plugs will be drilled out to the original TD of 9222'. The well will be deepened with a 7 7/8" bit to approximately 10500'. New logs will be run. Then, 5 1/2" casing will be run and cemented to approximately 3240' with 1600 sacks. The well will be completed with a pulling unit in the Penn intervals as indicated by the interpretation of the open hole logs by Geology. The mud program will be 9.2 to 9.8 ppg brine water with viscosity of 35-40 cp. A 5,000 psi BOP will be used.

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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 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>30-025-34777</b>	<sup>2</sup> Pool Code <b>✓</b>	<sup>3</sup> Pool Name <b>Wildcat</b>
<sup>4</sup> Property Code <b>34283</b>	<sup>5</sup> Property Name <b>MATTEA BFA STATE</b>	<sup>6</sup> Well Number <b>2</b>
<sup>7</sup> OGRID No. <b>025575</b>	<sup>8</sup> Operator Name <b>YATES PETROLEUM CORPORATION</b>	<sup>9</sup> Elevation <b>4161'</b>

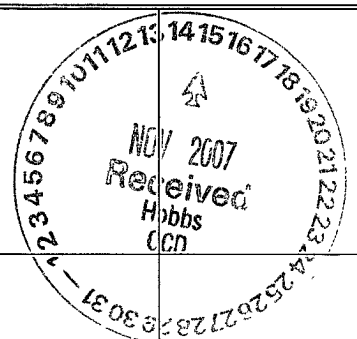
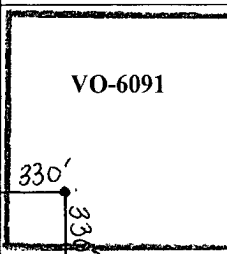
<sup>10</sup> Surface Location

UL or lot no. <b>M</b>	Section <b>35</b>	Township <b>10S</b>	Range <b>34E</b>	Lot Idn	Feet from the <b>330</b>	North/South line <b>SOUTH</b>	Feet from the <b>330</b>	East/West line <b>WEST</b>	County <b>LEA</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>40 SWSW</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, 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  Signature: <u>Clifton R. May</u> Date: <u>11/14/07</u> Printed Name: <u>Clifton R. May</u> Regulatory Agent Title: _____
		<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.  Date of Survey: _____ Signature and Seal of Professional Surveyor: _____ REFER TO ORIGINAL PLAT  Certificate Number: _____
		

**DISTRICT I**

1225 N. French St., Hobbs, NM 88240

**DISTRICT II**

811 South First, Artesia, NM 88210

**DISTRICT III**

1000 Rio Bravos Rd., Aztec, NM 87410

**DISTRICT IV**

2040 South Pacheco, Santa Fe, NM 87605

**State of New Mexico**

Energy, Minerals and Natural Resources Department

**OIL CONSERVATION DIVISION**

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

Form C-102

Revised March 17, 1989

Instruction on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

AFT Number 30-025-34777		Pool Code ✓	Pool Name Wildcat
Property Code 34283	Property Name Mattea BFA State		Well Number 2
OCGR No. 025575	Operator Name Yates Petroleum Corporation		Elevation 4161'

**Surface Location**

UL or lot No.	Section	Township	Range	Lot Mn	Feet from the	North/South line	Feet from the	East/West line	County
M	35	10S	34E		330	South	330	West	Lea

**Bottom Hole Location If Different From Surface**

UL or lot No.	Section	Township	Range	Lot Mn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40		Joint or Infill	Consolidation Code	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**

				<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 Clifton R. May Printed Name Regulatory Agent Title November 16, 2005 Date
				<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.  Refer to original plat  Date Surveyed Signature & Seal of Professional Surveyor  Certificate No.

District I  
PO Box 1988, Hobbs, NM 88241-1988  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1008 Rio Brazos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

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

Form C-102  
Revised February 10, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-34777		Pool Code -96803-	Pool Name Wildcat Sand Springs Abo
Property Code 25114	Property Name Boxcar-State- : Boxcars State		Well Number 1
OGRID No. 013954	Operator Name Manzano Oil Corp.		Elevation 4161

<sup>10</sup> Surface Location

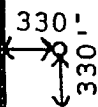
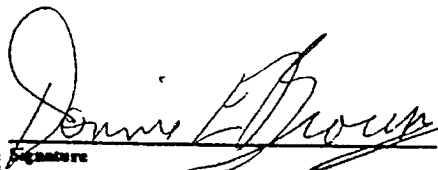
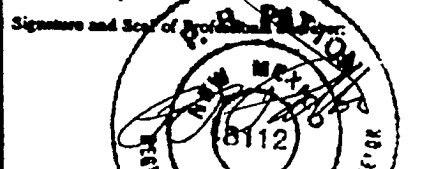
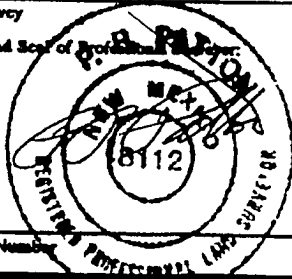
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
M	85	10S	34E		330	South	330	West	Lea

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County

<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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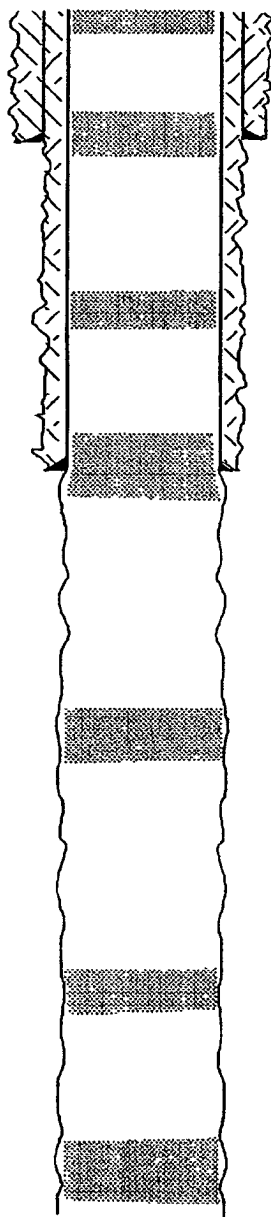
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<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 Donnie E. Brown Printed Name VP Engineering Title 12/1/99 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. October 5, 1999 Date of Survey  Signature and Seal of Professional Surveyor  8112 Certificate Number

**Comments:** Re-entry. Drilled as Sand Springs State Unit #1 by Manzano

Casing Program	
Size/Wt/Grade/Conn	Depth Set
13 3/8" 48#	391'
8 5/8" 24 & 32#	3800'

## CURRENT CONFIGURATION



TD 9222'

10 sx cement plug 30' to surface

13 3/8" csg @ 391'. Cmt'd w/ 425 sx. Cmt circ.  
35 sx cement plug 441-341'

35 sx cement plug 2260-2160'

35 sx cement plug 3850'. Spotted 2nd 35 sx plug 3850'-3728' & tagged.

30 sx cement plug 5660-5560'

30 sx cement plug 7170-7070'

50 sx cement plug 9213-9100'

SKETCH NOT TO SCALE

DATE: 11/11/05      Mlttea2

Well Name: Mattea BFA State No. 2 Field: \_\_\_\_\_

Location: 330' FSL & 330' FWL Sec. 35-10S-34E Lea Co, NM

GL: 4161' Zero: \_\_\_\_\_ AGL: \_\_\_\_\_ KB: \_\_\_\_\_

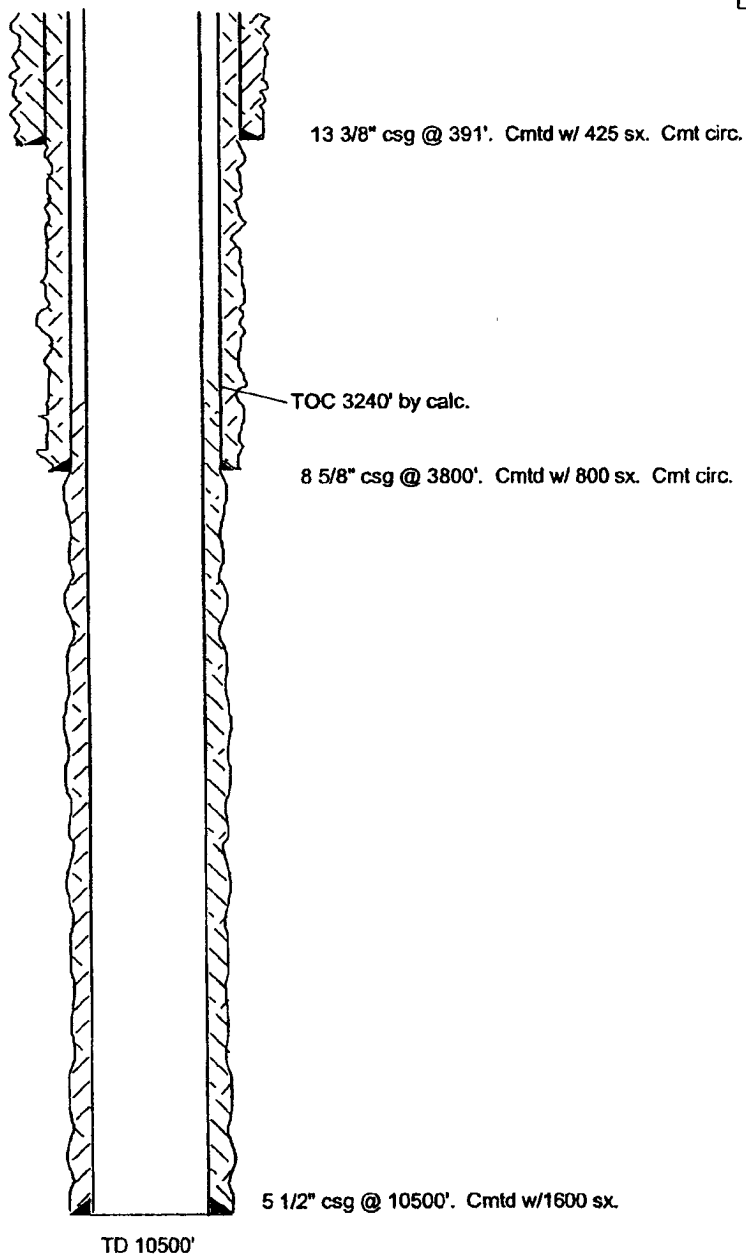
Spud Date: 12/27/99 Completion Date: 8/23/00

Comments: Re-entry. Drilled as Sand Springs State Unit #1 by Manzano

Casing Program	
Size/Wt/Grade/Conn	Depth Set
13 3/8" 48#	391'
8 5/8" 24 & 32#	3800'
5 1/2" 17# J55 & L80	10500'

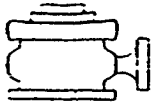
Size/Wt/Grade/Conn	Depth Set
13 3/8" 48#	391'
8 5/8" 24 & 32#	3800'
5 1/2" 17# J55 & L80	10500'

PROPOSED CONFIGURATION



SKETCH NOT TO SCALE

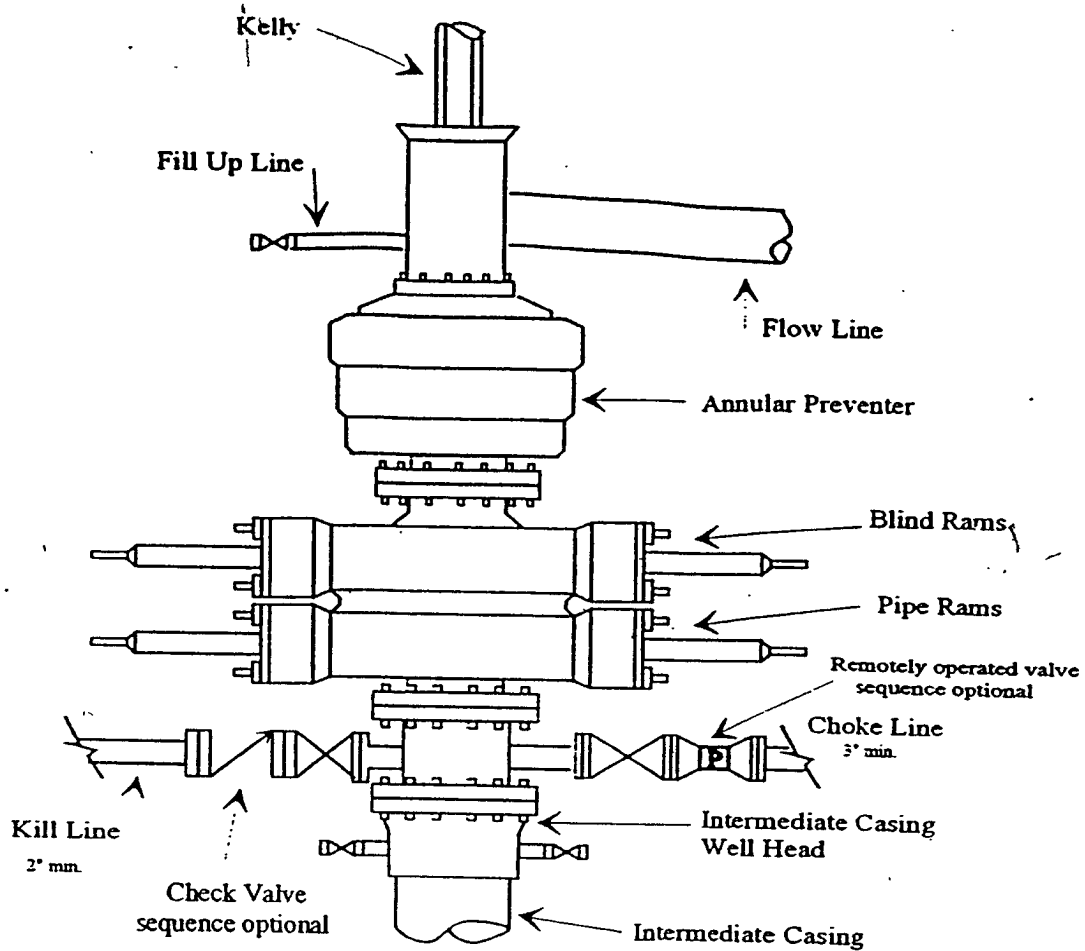
DATE: 11/11/05 Mltea2A



# 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

