

NSL-4731



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor

BETTY RIVERA

Cabinet Secretary

August 1, 2002

Lori Wrotenbery

Director

Oil Conservation Division

**Yates Petroleum Corporation**  
**105 South Fourth Street**  
**Artesia, New Mexico 88210**

**Telefax No. (505) 748-4572**

**Attention: Robert Bullock**

*Re: Recompletion of the existing Pathfinder "AFT" State Well No. 3 (API No. 30-005-62636) located 1650 feet from the South line and 2310 feet from the West line (Unit K) of Section 21, Township 10 South, Range 27 East, NMPM, Chaves County, New Mexico, into the Undesignated Diablo-Wolfcamp Gas Pool.*

Dear Mr. Bullock:

I have reviewed: (i) your application dated July 26, 2002 (*application reference No. pKRV0-221134979*); and (ii) the records of the New Mexico Oil Conservation Division ("Division") in Santa Fe: all concerning Yates Petroleum Corporation's ("Yates") request for the above-described well to be recompleted as a Wolfcamp gas well at an unorthodox location within the S/2 of Section 21, being a standard 320-acre lay-down gas spacing unit for the Undesignated Diablo-Wolfcamp Gas Pool. Subsequent to this review your application is not only found to be incomplete and lacking information, I have determined it to be a request for a location exception to Rule 104.C (2) (b), revised by Division Order No. R-11231, issued by the New Mexico Oil Conservation Commission in Case No. 12119 on August 12, 1999 (see copy attached), within an existing spacing unit in the Undesignated Diablo-Wolfcamp Gas Pool. The Division's records in Santa Fe shows that the S/2 of Section 21 is currently dedicated to Yates's Pathfinder "AFT" State Well No. 9 (API No. 30-005-62795), which is located at an unorthodox gas well location (approved by Division Administrative Order NSL-4731, dated May 14, 2002) 660 feet from the South line and 2200 feet from the West line (Unit N) of Section 21.

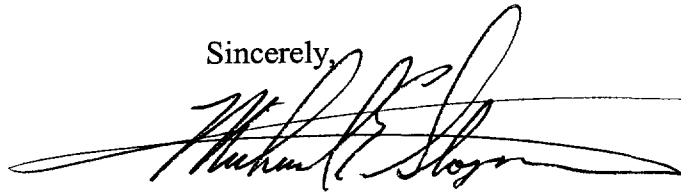
The changes to Division Rule 104 made in 1999 instituted new operating requirements for deep unprorated gas wells in southeast New Mexico whereby operators were given very flexible and liberal location requirements and are automatically allowed to drill one infill well within an existing 320-acre gas spacing unit; however, this one infill well can only be located in the opposite quarter from the unit's original well. Being an unprorated gas pool, spacing, well density, and location are the only factors available to protect correlative rights, prevent waste, and assure the orderly development of a reservoir.

When these revisions to Rule 104 were under study and review, it was determined by industry representatives, which Yates was an active participant, and Division staff, that in order to assure prudent operations and orderly development of these deep gas reserves, this one well per quarter section rule would need to be strictly adhered to and enforced.

Your request to re-enter and recomplete the Pathfinder "AFT" State Well No. 1 into the Undesignated Diablo-Wolfcamp Gas Pool, thereby resulting in two Wolfcamp gas wells within the SW/4 of the existing lay-down 320-acre gas spacing unit (S/2 of Section 21), is hereby denied.

IT SHALL BE ORDERED THAT, if Yates is currently producing Wolfcamp gas from the subject Pathfinder "AFT" State Well No. 3, such gas production shall be shut-in immediately.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael E. Stogner", written over a horizontal line.

Michael E. Stogner  
Chief Hearing Officer/Engineer

cc: New Mexico Oil Conservation Division, Attention: Tim Gum, Supervisor - Artesia  
New Mexico State Land Office - Santa Fe  
**File:** NSL-4731  
NSL-4748  
William F. Carr, Legal Counsel for Yates Petroleum Corporation - Santa Fe  
Randy Patterson, Yates Petroleum Corporation - Artesia

Submit 3 Copies To Appropriate District  
Office  
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 and Natural Resources

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

58

Form C-103  
Revised March 25, 1999

WELL API NO.

**30-005-62795**

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

**LG-5246**

7. Lease Name or Unit Agreement Name:

**Pathfinder AFT State**

7. Well No.

**9**

8. Pool name or Wildcat

**Undes. Diablo Wolfcamp Gas**

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

Oil Well ☐ Gas Well ☒ Other ☐

2. Name of Operator

**Yates Petroleum Corporation**

3. Address of Operator

**105 S. 4th Street Artesia, NM 88210**

4. Well Location

Unit Letter **N** : **660** feet from the **South** line and **2200** feet from the **West** line

Section **21** Township **10S** Range **27E** NMPM **Chaves** County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)

**3822' GR**

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETION ☐

OTHER: frac ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: Set BP and Frac ☒

Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

5/9/02 - Rigged up Baker and set CIBP at 5735' with 35' of cement on top.

5/13/02 - Frac'd Wolfcamp perms 5508'-5546' with 75,000 gals of 40# Viking and 115,400# of 20/40 sand.

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

SIGNATURE Tina Huerta TITLE Regulatory Compliance Supervisor DATE May 30, 2002

Type or print name **Tina Huerta**

Telephone No. **505-748-1471**

(This space for State use)

APPROVED BY [Signature]

TITLE District Supervisor

DATE JUN 05 2002

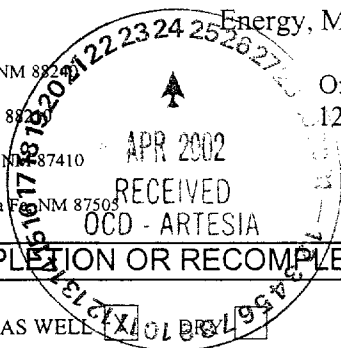
Conditions of approval, if any:

Submit To Appropriate District Office  
State Lease - 6 copies  
Lease - 5 copies  
District I  
25 N. French Dr., Hobbs, NM 88249  
District II  
1 South First, Artesia, NM 88210  
District III  
400 Rio Brazos Rd., Aztec, NM 87410  
District IV  
220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-105  
Revised March 25, 1999



WELL API NO.

**30-005-62795**

5. Indicate Type of Lease

STATE ☒ FEE ☐

State Oil & Gas Lease No.

**LG-5246**

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1. Type of Well:

OIL WELL ☐ GAS WELL ☒ OTHER ☐

2. Type of Completion:

EW ☐ WORK ☐ PLUG ☐ DIFF. ☐  
ELL ☐ OVER ☐ DEEPEN ☐ BACK ☒ RESVR. ☒ OTHER Recompletion

Name of Operator

**ates Petroleum Corporation**

Address of Operator

**05 South 4th St., Artesia, NM 88210**

7. Lease Name or Unit Agreement Name

**Pathfinder AFT State**

8. Well No.

**#9**

Pool name or Wildcat

**Under. Diablo Wolfcamp Gas**

Well Location

Unit Letter **N** : **660** Feet From The **South** Line and **2200** Feet From The **West** Line  
Section **21** Township **10S** Range **27E** NMPM **Chaves** County

9. Date Spudded 11. Date T.D. Reached 12. Date Compl. (Ready to Prod.) 13. Elevations (DF& RKB, RT, GR, etc.) 14. Elev. Casinghead

**N/A** **N/A** **3/15/02** **3822' GR**

5. Total Depth 16. Plug Back T.D. 17. If Multiple Compl. How Many Zones? 18. Intervals Drilled By 19. Rotary Tools 20. Cable Tools

**6410'** **5900'**

21. Producing Interval(s), of this completion - Top, Bottom, Name

**508-5546' Wolfcamp**  
**751-5762' Wolfcamp SI below packer with blanking plug**

20. Was Directional Survey Made

**No**

1. Type Electric and Other Logs Run

**none on recompletion**

22. Was Well Cored

**No**

3. **CASING RECORD** (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<b>10-3/4"</b>	<b>40.5#</b>	<b>997'</b>	<b>14-3/4"</b>	<b>In Place</b>	<b>775</b>
<b>7-5/8"</b>	<b>29.7# &amp; 26.4#</b>	<b>6410'</b>	<b>9-1/2"</b>	<b>In Place</b>	<b>1825</b>

4. **LINER RECORD**

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. **TUBING RECORD**

SIZE	DEPTH SET	PACKER SET
<b>2-7/8"</b>	<b>5421'</b>	<b>5430'</b>

6. Perforation record (interval, size, and number)

**751-5762' 24 holes .42"**  
**Note - perfs 5751-5762' are currently SI below packer with blanking plug set at 5680')**  
**508-5546' 78 holes .42"**

27. **ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.**

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
<b>5751-5762'</b>	<b>1100 gals 7.5% IC HCL</b>
<b>5508-5546'</b>	<b>1900 gals 7.5% IC HCL</b>

8. **PRODUCTION**

Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)			Well Status (Prod. or Shut-in)		
<b>1/18/02</b>		<b>Flowing</b>			<b>Producing</b>		
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
<b>4/16/02</b>	<b>24</b>	<b>12/64"</b>		<b>0</b>	<b>210</b>	<b>0</b>	
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	
<b>270#</b>	<b>Packer</b>		<b>0</b>	<b>210</b>	<b>0</b>		

9. Disposition of Gas (Sold, used for fuel, vented, etc.)

**Sold**

Test Witnessed By

**Tom Benedict**

10. List Attachments

I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief

Signature

Printed

Name **Susan Herpin**

Title **Engineering Tech.** Date **April 22, 2002**

## INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Otzte _____
. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
. Tubb _____	T. Delaware Sand _____	T. Todilto _____	T. _____
. Drinkard _____	T. Bone Springs _____	T. Entrada _____	T. _____
. Abo _____	T. Yeso _____	T. Wingate _____	T. _____
. Wolfcamp _____ 5500'	T. Ordovician _____	T. Chinle _____	T. _____
. Penn Clastics _____	T. Morrow _____	T. Permian _____	T. _____
		T. Penn "A" _____	T. _____

OIL OR GAS SANDS  
OR ZONES

No. 1, from.....to.....  
No. 2, from.....to.....  
No. 3, from.....to.....  
No. 4, from.....to.....

## IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....  
 No. 2, from.....to.....feet.....  
 No. 3, from.....to.....feet.....

## LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology

**Note:** The Wolfcamp formation top has been re-examined and re-interpreted since the original completion report was filed.

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 South First, Artesia, NM 88210  
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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

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

57 Form C-104  
Revised July 28, 2000

Submit to Appropriate District Office  
5 Copies

☐ AMENDED REPORT

## I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

<sup>1</sup> Operator name and Address <b>Yates Petroleum Corporation 105 South Fourth Street Artesia NM 88210</b>		<sup>2</sup> OGRID Number <b>025575</b>
<b>Note: Verbal approval received from Stogner with Santa Fe OCD for NSL</b>		<sup>3</sup> Reason for Filing Code/ Effective Date <b>RC</b>
<sup>4</sup> API Number <b>30-005-62795</b>	<sup>5</sup> Pool Name <b>Under Diablo Wolfcamp Gas</b>	<sup>6</sup> Pool Code <b>76053</b>
<sup>7</sup> Property Code <b>012626</b>	<sup>8</sup> Property Name <b>Pathfinder AFT State</b>	<sup>9</sup> Well Number <b>#9</b>

II. <sup>10</sup> Surface Location									
UL or lot no. <b>N</b>	Section <b>21</b>	Township <b>10S</b>	Range <b>27E</b>	Lot Idn	Feet from the <b>660</b>	North/South Line <b>South</b>	Feet from the <b>2200</b>	East/West line <b>West</b>	County <b>Chaves</b>
III. <sup>11</sup> Bottom Hole Location									
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> Lse Code <b>S</b>	<sup>13</sup> Producing Method Code <b>F</b>	<sup>14</sup> Gas Connection Date <b>3/18/02</b>	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date				

## III. Oil and Gas Transporters

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name & Address	<sup>20</sup> POD	<sup>21</sup> O/G	<sup>22</sup> POD ULSTR Location and Description
<b>015694</b>	<b>Navajo Refining Company P. O. Drawer 159 Artesia, NM 88210</b>	<b>2831886</b>	<b>O</b>	<b>Unit K - Section 21 T10S-R27E</b>
<b>147831</b>	<b>Agave Energy Co. 105 South Fourth St Artesia, NM 88510</b>	<b>2831887</b>	<b>G</b>	<b>Unit K - Section 21 T10S-R27E</b>

## IV. Produced Water

<sup>23</sup> POD <b>2831888</b>	<sup>24</sup> POD ULSTR Location and Description <b>Unit K - Section 21 T10S-R27E</b>
-------------------------------------	--

## V. Well Completion Data

<sup>25</sup> Spud Date <b>N/A</b>	<sup>26</sup> Ready Date <b>3/15/02</b>	<sup>27</sup> TD <b>PBTD: 5900'</b>	<sup>28</sup> PBTB <b>5900'</b>	<sup>29</sup> Perforations <b>5508-5546'</b>	<sup>30</sup> DHC, MC
<sup>31</sup> Hole Size <b>14-3/4"</b>	<sup>32</sup> Casing & Tubing Size <b>10-3/4"</b>	<sup>33</sup> Depth Set <b>997'</b>	<sup>34</sup> Sacks Cement <b>In Place</b>		
<b>9-1/2"</b>	<b>7-5/8"</b>	<b>6410'</b>	<b>In Place</b>		
	<b>2-7/8"</b>	<b>5422'</b>			

## VI. Well Test Data

<sup>35</sup> Date New Oil <b>3/18/02</b>	<sup>36</sup> Gas Delivery Date <b>3/18/02</b>	<sup>37</sup> Test Date <b>4/16/02</b>	<sup>38</sup> Test Length <b>24 hrs.</b>	<sup>39</sup> Tbg. Pressure <b>270#</b>	<sup>40</sup> Csg. Pressure <b>Packer</b>
<sup>41</sup> Choke Size <b>12/64"</b>	<sup>42</sup> Oil <b>0</b>	<sup>43</sup> Water <b>0</b>	<sup>44</sup> Gas <b>210</b>	<sup>45</sup> AOF	<sup>46</sup> Test Method <b>Flowing</b>
<sup>47</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Susan Herpin</i>			OIL CONSERVATION DIVISION Approved by: <i>Susan W. Herpin</i> Title: <i>District Supervisor</i> Approval Date: <b>MAY 18 2002</b>		
Printed name: <b>Susan Herpin</b>					
Title: <b>Engineering Technician</b>					
Date: <b>April 22, 2002</b>		Phone: <b>505-748-1471</b>			

Submit 3 Copies To Appropriate District  
Office  
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 and Natural Resources

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

Form C-103

Revised March 25, 1999

WELL API NO.

**30-005-62795**

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

**LG-5246**

7. Lease Name or Unit Agreement Name:

**Pathfinder AFT State**

7. Well No.

**#9**

8. Pool name or Wildcat

**Undes. Diablo Wolfcamp Gas**

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

Oil Well ☐ Gas Well ☒ Other ☐

2. Name of Operator

**Yates Petroleum Corporation**

3. Address of Operator

**105 S. 4th Street Artesia, NM 88210**

4. Well Location

Unit Letter **N** : **660** feet from the **South** line and **2200** feet from the **West** line

Section **21** Township **10S** Range **27E** NMPM **Chaves** County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)

**3822' GR**

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETION ☐

OTHER: frac

☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

Yates proposes to workover this well as follows:

Retrieve packers set at 5430' and 5680'.

Set a CIBP at 5720' capped with 20' cement to isolate the lower Wolfcamp perms 5751-5762'.

Frac the upper Wolfcamp perms 5508-5546'.

Return well to production.

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

SIGNATURE *Susan Herpin* TITLE Engineering Technician DATE May 7, 2002

Type or print name **Susan Herpin**

Telephone No. **505-748-1471**

(This space for State use)

APPROVED BY *Jim W. Green* TITLE District Supervisor

DATE MAY 18 2002

Conditions of approval, if any:

Submit 3 Copies To Appropriate District Office  
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  
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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

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

5K  
Form C-103  
Revised March 25, 1999

WELL API NO.

**30-005-62795**

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STATE ☒ FEE ☐

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**LG-5246**

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PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETION ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: plug back, perforate and acidize ☒

Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

3/1/02 - MIRU pulling unit.

3/4/02 - Set CIBP at 5910'. Perforate Wolfcamp 5751-5762', 24 holes, .42".

3/5/02 - Cap CIBP with 10' cement.

3/6/02 - Acidize perms 5751-5762' with 1100 gals 7.5% IC HCL. Swab and flow test.

3/8/02 - Set blanking plug in packer at 5680'. Perforate Wolfcamp 5508-5546' with 78 holes, .42".

3/12/02 - Acidize perms 5508-5546' with 1900 gals 7.5% IC HCL. Swab and flow test.

3/15/02 - Rig down and turn well to production department.

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

SIGNATURE *Susan Herpin* TITLE Engineering Technician DATE March 28, 2002

Type or print name Susan Herpin Telephone No. 505-748-1471

(This space for State use)

APPROVED BY *Jim W. Bunn* TITLE District Supervisor

DATE APR 03 2002

Conditions of approval, if any:



District I  
1625 N. French Dr., Hobbs, NM 88240  
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State of New Mexico  
Energy, Minerals & Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

SF

Form C-104  
Revised July 28, 2000

Submit to Appropriate District Office  
5 Copies

☐ AMENDED REPORT

## I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

<sup>1</sup> Operator name and Address <b>Yates Petroleum Corporation</b> <b>105 South Fourth Street</b> <b>Artesia NM 88210</b>		<sup>2</sup> OGRID Number <b>025575</b>
<b>Note: Verbal approval received from Stogner with Santa Fe OCD for NSL</b>		<sup>3</sup> Reason for Filing Code/ Effective Date <b>RT of Wolfcamp perfs 5508-5546' for the month of March, 2002</b> <b>Request 30,000 MCF gas</b>
<sup>4</sup> API Number <b>30-005-62795</b>	<sup>5</sup> Pool Name <b>Undes. Diablo Wolfcamp Gas</b>	<sup>6</sup> Pool Code <b>76053</b>
<sup>7</sup> Property Code <b>012626</b>	<sup>8</sup> Property Name <b>Pathfinder AFT State</b>	<sup>9</sup> Well Number <b>#9</b>

II. <sup>10</sup> Surface Location									
UL or lot no. <b>N</b>	Section <b>21</b>	Township <b>10S</b>	Range <b>27E</b>	Lot Idn	Feet from the <b>660</b>	North/South Line <b>South</b>	Feet from the <b>2200</b>	East/West line <b>West</b>	County <b>Chaves</b>

III. <sup>11</sup> Bottom Hole Location									
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> Lse Code <b>S</b>	<sup>13</sup> Producing Method Code <b>F</b>	<sup>14</sup> Gas Connection Date		<sup>15</sup> C-129 Permit Number		<sup>16</sup> C-129 Effective Date		<sup>17</sup> C-129 Expiration Date	

III. Oil and Gas Transporters				
<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name & Address	<sup>20</sup> POD	<sup>21</sup> O/G	<sup>22</sup> POD ULSTR Location and Description
<b>138648</b>	<b>Amoco P/L Int. Trucking</b> <b>502 N. West Avenue</b> <b>Levelland, TX 79336</b>	<b>2831886</b>	<b>O</b>	<b>Unit K - Section 21 T10S-R24E</b>
<b>147831</b>	<b>Agave Energy Co.</b> <b>105 South Fourth St</b> <b>Artesia, NM 88510</b>	<b>2831887</b>	<b>G</b>	<b>Unit K - Section 21 T10S-R24E</b>

IV. Produced Water	
<sup>23</sup> POD <b>2831888</b>	<sup>24</sup> POD ULSTR Location and Description <b>Unit K - Section 21 T10S-R24E</b>

V. Well Completion Data					
<sup>25</sup> Spud Date	<sup>26</sup> Ready Date	<sup>27</sup> TD	<sup>28</sup> PBDT	<sup>29</sup> Perforations	<sup>30</sup> DHC, MC
<sup>31</sup> Hole Size		<sup>32</sup> Casing & Tubing Size	<sup>33</sup> Depth Set	<sup>34</sup> Sacks Cement	

VI. Well Test Data					
<sup>35</sup> Date New Oil	<sup>36</sup> Gas Delivery Date	<sup>37</sup> Test Date	<sup>38</sup> Test Length <b>24 hrs.</b>	<sup>39</sup> Tbg. Pressure	<sup>40</sup> Csg. Pressure
<sup>41</sup> Choke Size	<sup>42</sup> Oil	<sup>43</sup> Water	<sup>44</sup> Gas	<sup>45</sup> AOF	<sup>46</sup> Test Method <b>Flowing</b>
<sup>47</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Susan Herpin</i>			OIL CONSERVATION DIVISION Approved by: <i>Jim W. Brown</i> District Supervisor Approval Date: <b>APR 04 2002</b>		
Printed name: <b>Susan Herpin</b>			Title: <b>Engineering Technician</b>		
Date: <b>March 28, 2002</b>			Phone: <b>505-748-1471</b>		

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 South First, 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

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

FEB 2002  
RECEIVED  
OCD - ARTESIA

Form C-101  
Revised March 17, 1999

Submit to appropriate District Office  
State Lease - 6 Copies  
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUG BACK, OR ADD A ZONE

<sup>1</sup> Operator Name and Address <b>Yates Petroleum Corporation 105 South Fourth Street Artesia, NM 88210</b>		<sup>2</sup> OGRID Number <b>025575</b>
<sup>3</sup> Property Code <b>012626</b>	<sup>5</sup> Property Name <b>Pathfinder AFT State</b>	<sup>4</sup> API Number <b>30-005-62795</b>
		<sup>6</sup> Well No. <b>#9</b>

<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
<b>N</b>	<b>21</b>	<b>10S</b>	<b>27E</b>		<b>660</b>	<b>South</b>	<b>2200</b>	<b>West</b>	<b>Chaves</b>

<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

**Undes. Diablo Wolfcamp Gas**

<sup>10</sup> Proposed Pool 2

<sup>11</sup> Work Type Code <b>P</b>	<sup>12</sup> Well Type Code <b>G</b>	<sup>13</sup> Cable/Rotary <b>N/A</b>	<sup>14</sup> Lease Type Code <b>S</b>	<sup>15</sup> Ground Level Elevation <b>3822' GR</b>
<sup>16</sup> Multiple <b>N/A</b>	<sup>17</sup> Proposed Depth <b>PBTD - 5920'</b>	<sup>18</sup> Formation <b>Wolfcamp</b>	<sup>19</sup> Contractor <b>Unknown</b>	<sup>20</sup> Spud Date <b>ASAP</b>

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

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
<b>14-3/4"</b>	<b>10-3/4"</b>	<b>40.5#</b>	<b>997'</b>	<b>In place</b>	<b>Circulated</b>
<b>9-1/2"</b>	<b>7-5/8"</b>	<b>29.7# &amp; 26.4#</b>	<b>6410'</b>	<b>In place</b>	<b>Circulated</b>

<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.

Propose to recomplete well to the Wolfcamp zone as follows:

Clean out hole to 5930'. Set CIBP at 5930', capped with 10' of cement.

Perforate Wolfcamp 5708-5902'. Stimulate as needed for production.

Return well to production.

BOP Program: A 3000# BOP will be installed 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: *Susan Herpin*

Printed name: **Susan Herpin**

Title: **Engineering Technician**

Date: **February 22, 2002**

Phone: **505-748-1471**

OIL CONSERVATION DIVISION

Approved by: *Signe W. Baum*

Title: *District Supervisor*

Approval Date: **FEB 26 2002**

Expiration Date: **FEB 26 2003**

Conditions of Approval: *B60*

Attached ☐ NSL required to Produce

Certificate Number

CMD :  
OG6IWCMD

ONGARD  
INQUIRE WELL COMPLETIONS  
08/01/02 13:46:49  
OGOMES -TQGI

API Well No : 30 5 62795 Eff Date : 03-04-2002 WC Status : A  
Pool Idn : 76053 DIABLO;WOLFECAMP (GAS)  
OGRID Idn : 25575 YATES PETROLEUM CORPORATION  
Prop Idn : 12626 PATHFINDER AFT STATE

Well No : 009  
GL Elevation: 3822

U/L Sec Township Range North/South East/West Prop/Act (P/A)  
-----  
B.H. Locn : N 21 10S 27E FTG 660 F S FTG 2200 F W P  
Lot Identifier:  
Dedicated Acre: 320.00  
Lease Type : S  
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

PF01 HELP PF02 PF03 EXIT PF04 GOTO PF05 PF06  
PF07 PF08 PF09 PF10 NEXT-WC PF11 HISTORY PF12 NXTREC

CMD : ONGARD  
OG6ACRE C102-DEDICATE ACREAGE

08/01/02 13:46:59  
OGOMES -TQG1  
Page No : 1

API Well No : 30 5 62795 Eff Date : 03-04-2002  
Pool Idn : 76053 DIABLO,WOLFCAMP (GAS)  
Prop Idn : 12626 PATHFINDER AFT STATE  
Spacing Unit : 55984 OCD Order :  
Sect/Twp/Rng : 21 10S 27E Acreage : 320.00 Revised C102? (Y/N) :  
Dedicated Land:

S	Base U/L	Sec	Twp	Rng	Acreage	L/W	Ownership	Lot	Idn
I	21	21	10S	27E	40.00	N	ST		
J	21	21	10S	27E	40.00	N	ST		
K	21	21	10S	27E	40.00	N	ST		
L	21	21	10S	27E	40.00	N	ST		
M	21	21	10S	27E	40.00	N	ST		
N	21	21	10S	27E	40.00	N	ST		
O	21	21	10S	27E	40.00	N	ST		
P	21	21	10S	27E	40.00	N	ST		

E0005: Enter data to modify or PF keys to scroll  
PF01 HELP PF02 PF03 EXIT PF04 GOTO PF05 PF06 CONFIRM  
PF07 BKWD PF08 FWD PF09 PF10 LAND PF11 NXTSEC PF12 RECONF

CMD : ONGARD

08/01/02 13:47:09

OG6IPRD INQUIRE PRODUCTION BY POOL/Well

OGOMES -TQG1

Page No: 1

OGRID Identifier : 25575 YATES PETROLEUM CORPORATION

Pool Identifier : 76053 DIABLO,WOLFCAMP (GAS)

API Well No : 30 5 62795 Report Period - From : 01 2000 To : 06 2002

API Well No	Property Name	Prodn. Days MM/YY Prod	Production Volumes Gas Oil Water Stat	Well
30	5 62795	03 02 5	3688	F
30	5 62795 PATHFINDER AFT STATE	04 02 12	2631	F
30	5 62795 PATHFINDER AFT STATE	05 02 16	6392	202 F

Reporting Period Total (Gas, Oil) : 12711 202

M0025: Enter PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM  
PF07 BKWD PF08 FWD PF09 PF10 NXTPool PF11 NXTOGD PF12