

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 units 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.

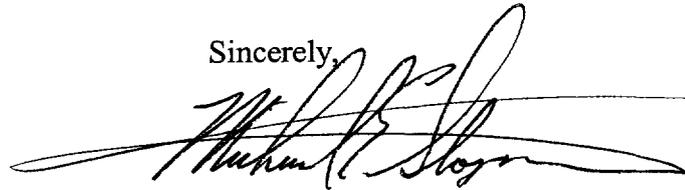
When these revisions to Rule 104 were under study and review, it was determined by industry representatives, which Yates was an active participant, and Division staff, that in order to assure prudent operations and orderly development of these deep gas reserves, this one well per quarter section rule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

Yates Petroleum Corporation
August 1, 2002
Page 2

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,



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

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Form C-103
 Revised March 25, 1999

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

WELL API NO.
30-005-62795

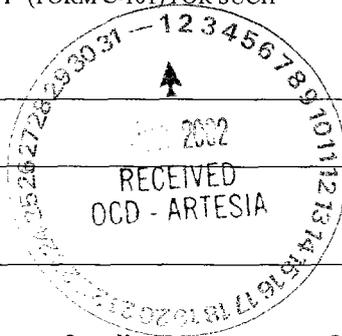
5. Indicate Type of Lease
 STATE FEE

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



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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: frac <input type="checkbox"/>		OTHER: Set BP and Frac <input checked="" type="checkbox"/>	

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 - Riggged 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

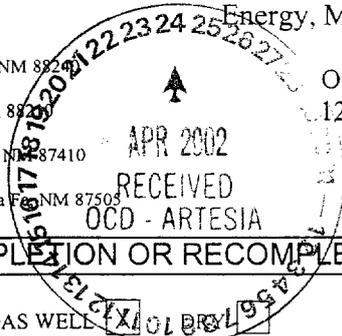
(This space for State use)
 APPROVED BY [Signature] TITLE District Supervisor DATE JUN 05 2002

Conditions of approval, if any:

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

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-105
 Revised March 25, 1999



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

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.
 WELL OVER DEEPEN BACK RESVR. OTHER Recompletion

7. Lease Name or Unit Agreement Name
Pathfinder AFT State

8. Well No.
#9

Pool name or Wildcat
~~Under~~ **Diablo Wolfcamp Gas**

Name of Operator
Artesia Petroleum Corporation

Address of Operator
05 South 4th St., Artesia, NM 88210

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 N/A	11. Date T.D. Reached N/A	12. Date Compl. (Ready to Prod.) 3/15/02	13. Elevations (DF& RKB, RT, GR, etc.) 3822' GR	14. Elev. Casinghead
5. Total Depth 6410'	16. Plug Back T.D. 5900'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By	19. Rotary Tools Cable Tools

9. 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
10-3/4"	40.5#	997'	14-3/4"	In Place	775
7-5/8"	29.7# & 26.4#	6410'	9-1/2"	In Place	1825

4. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	25. TUBING RECORD SIZE	DEPTH SET	PACKER SET
					2-7/8"	5421'	5430'

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
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"	

8. PRODUCTION

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

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

Test Witnessed By
Tom Benedict

0. 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. 3, from _____ to _____
 No. 2, 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

State of New Mexico
Energy, Minerals & Natural Resources

ST Form C-104
Revised July 28, 2000

District II
811 South First, Artesia, NM 88210

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

Submit to Appropriate District Office
5 Copies

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

AMENDED REPORT

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

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

II. ¹⁰ Surface Location

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

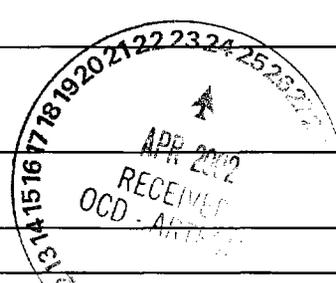
¹¹ Bottom Hole Location

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

¹² Lse Code S	¹³ Producing Method Code F	¹⁴ Gas Connection Date 3/18/02	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
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III. Oil and Gas Transporters

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



IV. Produced Water

²³ POD 2831888	²⁴ POD ULSTR Location and Description Unit K - Section 21 T10S-R27E
-------------------------------------	--

V. Well Completion Data

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

VI. Well Test Data

³⁵ Date New Oil 3/18/02	³⁶ Gas Delivery Date 3/18/02	³⁷ Test Date 4/16/02	³⁸ Test Length 24 hrs.	³⁹ Tbg. Pressure 270#	⁴⁰ Csg. Pressure Packer
⁴¹ Choke Size 12/64"	⁴² Oil 0	⁴³ Water 0	⁴⁴ Gas 210	⁴⁵ AOF	⁴⁶ Test Method Flowing

⁴⁷ 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> Printed name: Susan Herpin Title: Engineering Technician Date: April 22, 2002	Approved by: <i>Susan W. Beum</i> Title: <i>District Supervisor</i> Approval Date: MAY 18 2002
	Phone: 505-748-1471

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Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
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1000 Rio Brazos Rd., Aztec, NM 87410
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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.)

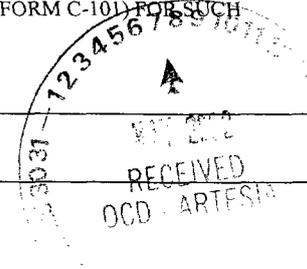
1. Type of Well:
Oil Well Gas Well Other

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:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: frac <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

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. Gunn* 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
 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

5K

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

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.)

7. Lease Name or Unit Agreement Name:
Pathfinder AFT State

1. Type of Well:
 Oil Well Gas Well Other

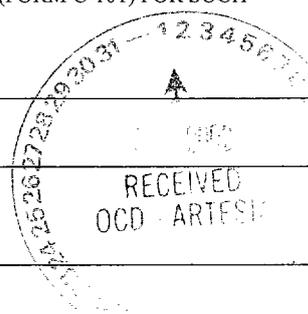
7. Well No.
#9

2. Name of Operator
Yates Petroleum Corporation

8. Pool name or Wildcat
Undes. Diablo Wolfcamp Gas

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:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: plug back, perforate and acidize <input checked="" type="checkbox"/>	

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

APPROVED BY *Siav W. Stein* TITLE District Supervisor DATE APR 03 2002
 Conditions of approval, if any:

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

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

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

II. ¹⁰ Surface Location

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

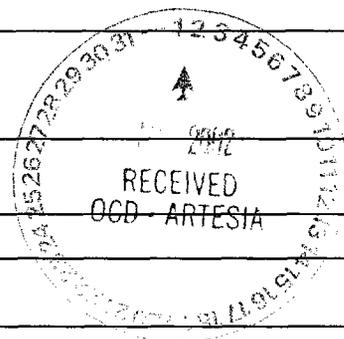
¹¹ Bottom Hole Location

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

¹² Lse Code S	¹³ Producing Method Code F	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
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III. Oil and Gas Transporters

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



IV. Produced Water

²³ POD 2831888	²⁴ POD ULSTR Location and Description Unit K - Section 21 T10S-R24E
-------------------------------------	--

V. Well Completion Data

²⁵ Spud Date	²⁶ Ready Date	²⁷ TD	²⁸ PBTB	²⁹ Perforations	³⁰ DHC, MC
³¹ Hole Size	³² Casing & Tubing Size	³³ Depth Set	³⁴ Sacks Cement		

VI. Well Test Data

³⁵ Date New Oil	³⁶ Gas Delivery Date	³⁷ Test Date	³⁸ Test Length 24 hrs.	³⁹ Tbg. Pressure	⁴⁰ Csg. Pressure
⁴¹ Choke Size	⁴² Oil	⁴³ Water	⁴⁴ Gas	⁴⁵ AOF	⁴⁶ Test Method Flowing

⁴⁷ 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: *Susan Herpin*

Printed name: **Susan Herpin**

Title: **Engineering Technician**

Date: **March 28, 2002**

Phone: **505-748-1471**

OIL CONSERVATION DIVISION

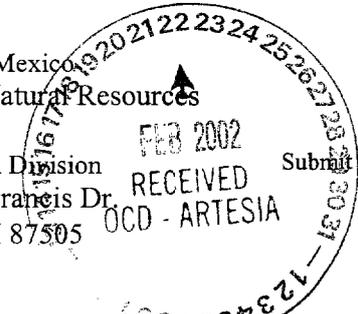
Approved by: *Jim W. Brown*

Title: **District Supervisor**

Approval Date: **APR 04 2002**

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



SF
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

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

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	21	10S	27E		660	South	2200	West	Chaves

⁸ 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

⁹ Proposed Pool 1

¹⁰ Proposed Pool 2

Undes. **Diablo Wolfcamp Gas**

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

²¹ Proposed Casing and Cement Program

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

²² 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.

²³ 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*
District Supervisor

Title:
Approval Date: **FEB 26 2002** Expiration Date: **FEB 26 2003**

Conditions of Approval: *B66*
Attached NSL required to Produce

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

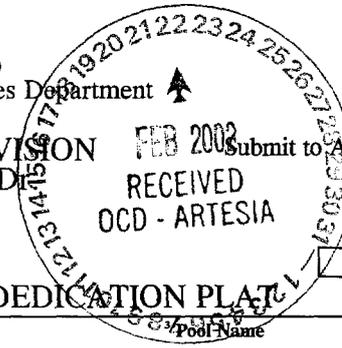
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

¹ API Number 30-005-62795		² Pool Code		³ Pool Name Diablo Wolfcamp Gas	
⁴ Property Code 012626		⁵ Property Name Pathfinder AFT State			⁶ Well Number #9
⁷ OGRID No. 025575		⁸ Operator Name Yates Petroleum Corporation			⁹ Elevation 3822' GR

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	21	10S	27E		660	South	2200	West	Chaves

¹¹ Bottom Hole Location If Different From Surface

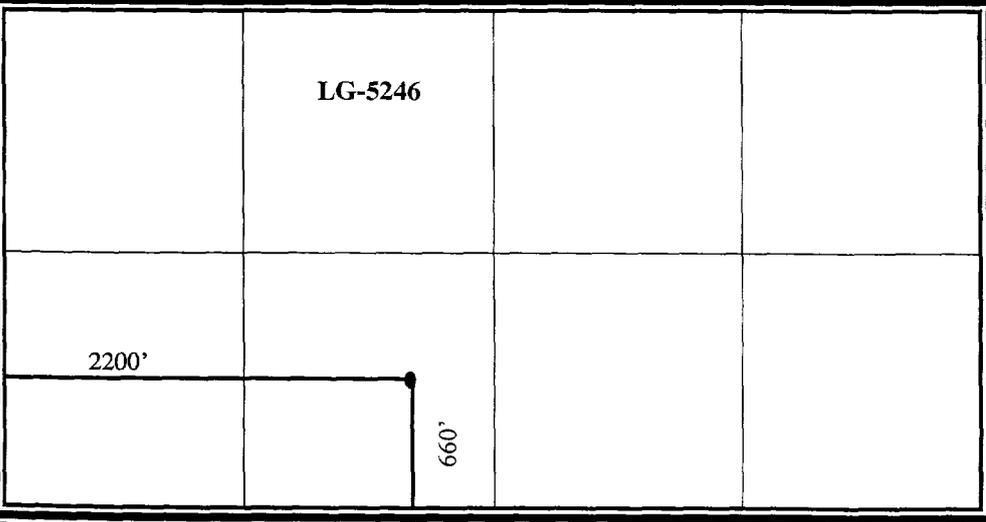
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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

¹⁶				¹⁷ OPERATOR CERTIFICATION	
				I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
				 Signature Susan Herpin Printed Name Engineering Technician Title February 21, 2002 Date	

	LG-5246			¹⁸ 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: See Original Plat Certificate Number	



CMD :
OG6IWCM INQUIRE WELL COMPLETIONS

ONGARD
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

OGOMES -TQGI
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		

E00005: Enter data to modify or PF keys to scroll
PF01 HELP PF02 PF03 EXIT PF04 GOTO PF05
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