

DATE IN 6/7/02	EXPENSE 6/27/02	ENGINEER MS	LOGGED IN MV	TYPE NSL	APP NO 216135657
-------------------	--------------------	----------------	-----------------	-------------	---------------------

ABOVE THIS LINE FOR DIVISION USE ONLY

## NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



### ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

#### Application Acronyms:

**[NSL-Non-Standard Location]** **[NSP-Non-Standard Proration Unit]** **[SD-Simultaneous Dedication]**  
**[DHC-Downhole Commingling]** **[CTB-Lease Commingling]** **[PLC-Pool/Lease Commingling]**  
**[PC-Pool Commingling]** **[OLS - Off-Lease Storage]** **[OLM-Off-Lease Measurement]**  
**[WFX-Waterflood Expansion]** **[PMX-Pressure Maintenance Expansion]**  
**[SWD-Salt Water Disposal]** **[IPI-Injection Pressure Increase]**  
**[EOR-Qualified Enhanced Oil Recovery Certification]** **[PPR-Positive Production Response]**

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication  
☒ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement  
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify \_\_\_\_\_

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or **Does Not Apply**

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☐ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO  
 U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Robert Bullock  
 Print or Type Name

Robert Bullock  
 Signature

Landman  
 Title

6-5-02  
 Date

e-mail Address \_\_\_\_\_

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

June 5, 2002

Mr. Michael Stogner  
New Mexico Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, NM 87508

Re: Non-Standard Location  
Pathfinder ATF St. #3  
Township 10 South, Range 27 East  
Section 21: 1650' FSL & 2310' FWL  
Chaves County, New Mexico

Dear Mr. Stogner:

Yates Petroleum Corporation respectfully requests administrative approval for a non-standard location for a Strawn gas well, the Pathfinder ATF St. #3. The well is located on State of New Mexico oil and gas lease LG-5246 that covers ALL of Section 21, Township 10 South, Range 27 East, Chaves County, New Mexico.

Yates permitted this well in October 1988 as a 7200' Wildcat Fusselman test and the well was completed as a Fusselman oil well and produced according to the Diablo Fusselman Associated Pool rules. The well status was changed in November 1992 from an oil well to a gas well, however it was still produced according to the Diablo Fusselman Associated Pool rules.

In February 2002 the well was plugged back and completed in the Strawn formation with perf's between 6196-6234' and is now subject to Undesignated Diablo Pennsylvanian Gas Pool rules which requires 320 acre spacing and a 660' set back from the outer boundary of the quarter section. The location of 2310' FWL does not comply with these rules and therefore makes this location non-standard. There is no encroachment involved, as the Yates companies own 100% of the working interest in the Strawn formation in all of Section 21. There are no overriding royalty owners on the Yates working interests and therefore no notification has been given in this application. Yates hereby requests administrative approval to produce this well in the Strawn formation only.

Please find enclosed a land plat, C-101, C-102 and an administrative application checklist. If I can provide additional information please call me at (505) 748-4351.

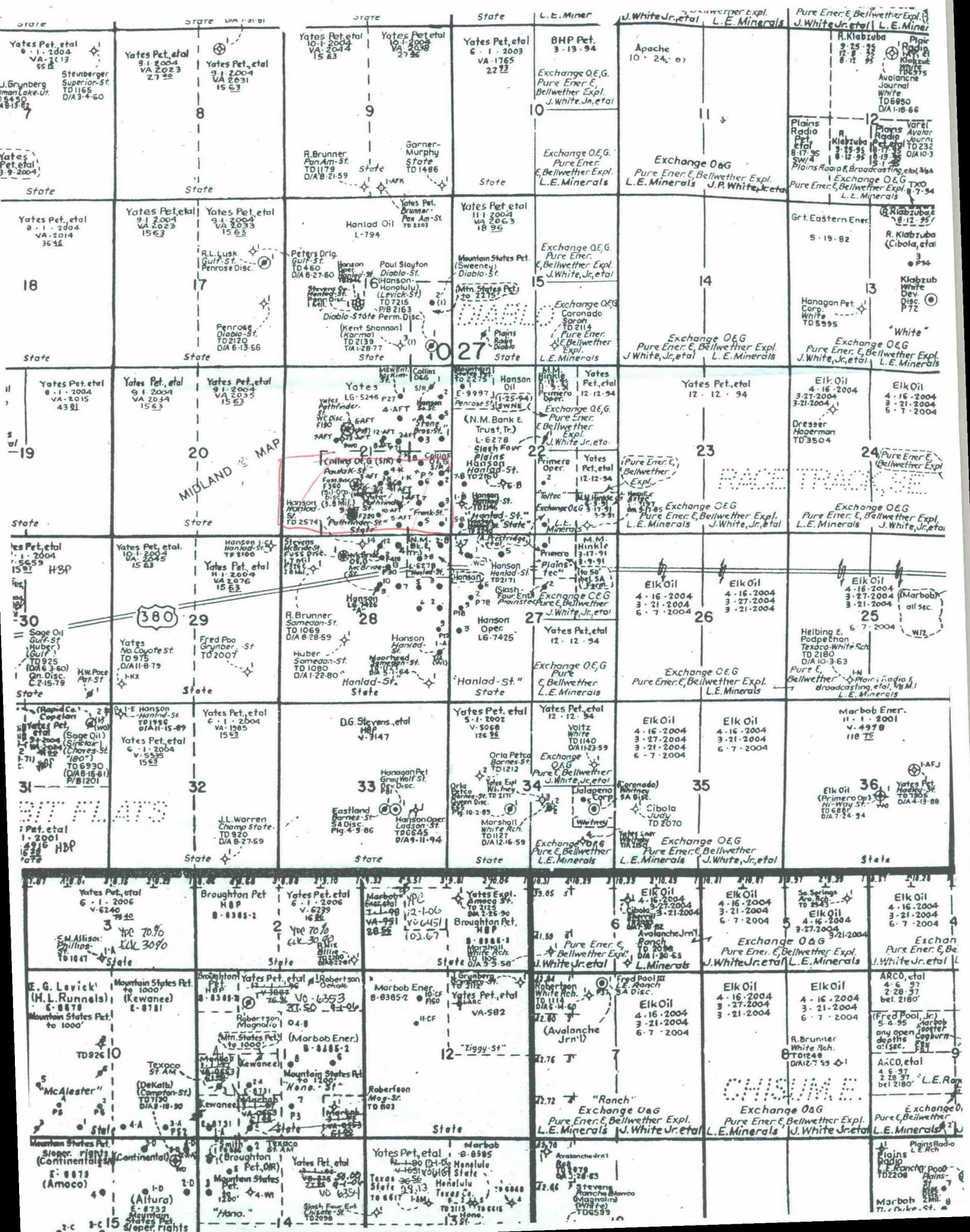
Very truly yours,

**YATES PETROLEUM CORPORATION**

Robert Bullock  
Landman

RB/dlr





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

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, PLUGBACK, 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>30-005-62636</b>
		<sup>6</sup> Well No. <b>#3</b>

<sup>7</sup> Surface Location									
UL or lot no. <b>K</b>	Section <b>21</b>	Township <b>10S</b>	Range <b>27E</b>	Lot Idn	Feet from the <b>1650</b>	North/South line <b>South</b>	Feet from the <b>2310</b>	East/West line <b>West</b>	County <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 <b>Undes. Diablo Pennsylvanian Gas</b>					<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>3840'</b>
<sup>16</sup> Multiple <b>N</b>	<sup>17</sup> Proposed Depth <b>PBTD 6240'</b>	<sup>18</sup> Formation <b>Strawn</b>	<sup>19</sup> Contractor <b>Not Determined</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>12-1/4"</b>	<b>8-5/8"</b>	<b>24#</b>	<b>622'</b>	<b>In place</b>	<b>surface</b>
<b>7-7/8"</b>	<b>5-1/2"</b>	<b>15.5#</b>	<b>6650'</b>	<b>In place</b>	<b>5142' CBL</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 plug back as follows:

Set CIBP at 6240' capped with 10' cement.

Perforate Strawn 6196-6234'. Stimulate as needed for production.

If Strawn is not productive:

Dump 25' additional cement on CIBP at 6240'. Set CIBP at 6190' capped with 20' cement.

Perforate Cisco 6044-6157'. Stimulate as needed for production.

<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:  
**May 7, 2002**

Phone:  
**505-748-1471**

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

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

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 <b>30-005-62636</b>		<sup>2</sup> Pool Code	<sup>3</sup> Pool Name <b>Undes. Diablo Pennsylvanian Gas</b>
<sup>4</sup> Property Code <b>012626</b>	<sup>5</sup> Property Name <b>Pathfinder AFT State</b>		<sup>6</sup> Well Number <b>#3</b>
<sup>7</sup> OGRID No. <b>025575</b>	<sup>8</sup> Operator Name <b>Yates Petroleum Corporation</b>		<sup>9</sup> Elevation <b>3840'</b>

<sup>10</sup> Surface Location

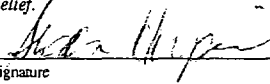
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	21	10S	27E		1650	South	2310	West	Chaves

<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

16				<b>17 OPERATOR CERTIFICATION</b>
				<i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>
				 Signature
				<b>Susan Herpin</b> Printed Name
				<b>Engineering Technician</b> Title
				<i>May 7, 2002</i> Date
18			LG-5246	<b>SURVEYOR CERTIFICATION</b>
				<i>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.</i>
				Date of Survey
				Signature and Seal of Professional Surveyor:
				<b>See Original Plat</b>
				Certificate Number

CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

06/12/02 08:51:20  
OGOMES -TQIX  
PAGE NO: 1

Sec : 21 Twp : 10S Rng : 27E Section Type : NORMAL

D	C	B	A
40.00 TWR LG5246 0000 YATES PETROLEUM C 04/01/88	40.00 TWR LG5246 0000 YATES PETROLEUM C 04/01/88	40.00 TWR LG5246 0000 YATES PETROLEUM C 04/01/88 A	40.00 TWR LG5246 0000 YATES PETROLEUM C 04/01/88 A
E	F	G	H
40.00 TWR LG5246 0000 YATES PETROLEUM C 04/01/88	40.00 TWR LG5246 0000 YATES PETROLEUM C 04/01/88 A A A	40.00 TWR LG5246 0000 YATES PETROLEUM C 04/01/88 A A A A	40.00 TWR LG5246 0000 YATES PETROLEUM C 04/01/88 A A A A

PF01 HELP PF02 PF03 EXIT PF04 GOTO PF05 PF06  
PF07 BKWD PF08 FWD PF09 PRINT PF10 SDIV PF11 PF12

CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

06/12/02 08:51:28  
OGOMES -TQIX  
PAGE NO: 2

Sec : 21 Twp : 10S Rng : 27E Section Type : NORMAL

L	K	J	I
40.00 TWR	40.00 TWR	40.00 TWR	40.00 TWR
LG5246 0000 YATES PETROLEUM C 04/01/88	LG5246 0000 YATES PETROLEUM C 04/01/88	LG5246 0000 YATES PETROLEUM C 04/01/88	LG5246 0000 YATES PETROLEUM C 04/01/88
A	A	A A A A	A A A A
M	N	O	P
40.00 TWR	40.00 TWR	40.00 TWR	40.00 TWR
LG5246 0000 YATES PETROLEUM C 04/01/88	LG5246 0000 YATES PETROLEUM C 04/01/88	LG5246 0000 YATES PETROLEUM C 04/01/88	LG5246 0000 YATES PETROLEUM C 04/01/88
A	A	A A A	A A A A

PF01 HELP PF02 PF03 EXIT PF04 GOTO PF05 PF06  
PF07 BKWD PF08 FWD PF09 PRINT PF10 SDIV PF11 PF12

CMD :  
OG6IWCN  
ONGARD  
INQUIRE WELL COMPLETIONS

06/12/02 08:51:38  
OGOMES -TQIX

API Well No : 30 5 62636 Eff Date : 04-13-1994 WC Status : A  
Pool Idn : 17625 DIABLO,FUSSELMAN (ASSOCIATED)  
OGRID Idn : 25575 YATES PETROLEUM CORPORATION  
Prop Idn : 12626 PATHFINDER AFT STATE

Well No : 003  
GL Elevation: 99999

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
B.H. Locn	:	K	21	10S	27E	FTG 1650 F S FTG 2310 F W	A
Lot Identifier:							
Dedicated Acre:	80.00						
Lease Type	: S						
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :							

M0025: Enter PF keys to scroll  
PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06  
PF07 PF08 PF09 PF10 NEXT-WC PF11 HISTORY PF12 NXTREC



County CHAVES

Pool DIABLO - PENNSYLVANIAN GAS

TOWNSHIP 10 S

Range 27 E

NMPM

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Description: 5/2 Sec 16 (B-9418, 2-1-91)

District I  
PO Box 1900, Hobbs, NM 88241-1900

District II  
PO Drawer DD, Artesia, NM 88211-0719

District III  
1000 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-104

Revised February 10, 1994

Instructions on back

Submit to Appropriate District Office

5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Operator name and Address Yates Petroleum Corporation 105 South Fourth Street Artesia, NM 88210		OGRID Number 025575
		Reason for Filing Code AG - effective 1-1-97
API Number 30 - 0 05-62636	Pool Name Diablo Fusselman	Pool Code 17625
Property Code 012626	Property Name Pathfinder AFT State	Well Number 3

II. Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South Line	Feet from the	East/West line	County
K	21	10S	27E		1650	S	2310	W	Chaves

Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
Lee Code S	Producing Method Code F	Gas Connection Date	C-129 Permit Number	C-129 Effective Date	C-129 Expiration Date				

III. Oil and Gas Transporters

Transporter OGRID	Transporter Name and Address	POD	O/G	POD ULSTR Location and Description
138648	Amoco P/L Int. Trucking 502 N. West Avenue Levelland, TX 79336	2805825	O	Unit K - Section 21-T10S-R27E
147831	Agave Energy Co. 105 South Fourth St. Artesia, NM 88210	2807988	G	Unit K - Section 21-T10S-R27E
020759	Shoreham Pipeline Co. 333 Clay St. - Suite 4010 Houston, TX 77002	2818685	G	Unit K - Section 21-T10S-R27E

IV. Produced Water

POD	POD ULSTR Location and Description
2805824	Unit K - Section 21-T10S-R27E

V. Well Completion Data

Spud Date	Ready Date	TD	PBTD	Perforations
Hole Size	Casing & Tubing Size	Depth Set	Sacks Cement	

VI. Well Test Data

Date New Oil	Gas Delivery Date	Test Date	Test Length	Tbg. Pressure	Cog. Pressure
Choke Size	Oil	Water	Gas	AOF	Test Method

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:

Printed name:

Title:

Date: Jan. 29, 1997

Phone: 505-748-1471

OIL CONSERVATION DIVISION

Approved by: SUPERVISOR, DISTRICT II

Title:

Approval Date:

FEB - 4 1997

If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature

Printed Name

Title

Date

District I  
PO Box 1908, Hobbs, NM 88241-1908  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1008 Rio Brabco 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-104  
Revised February 10, 1994  
Instructions on back  
Submit to Appropriate District Office  
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Operator name and Address Yates Petroleum Corporation 105 South Fourth Street Artesia, NM 88210		OGRID Number 025575
		Reason for Filing Code CG - effective 10-1-95
API Number 30 - 0 05-62636	Pool Name Diablo Fusselman	Pool Code 17625
Property Code 012626	Property Name Pathfinder AFT State	Well Number 3

II. <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
K	21	10S	27E		1650	S	2310	W	Chaves

<sup>11</sup> Bottom Hole Location

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> Loc Code S	<sup>13</sup> Producing Method Code F	<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 and Address	<sup>20</sup> POD	<sup>21</sup> O/G	<sup>22</sup> POD ULSTR Location and Description
138648	Amoco P/L Int. Trucking 502 N. West Avenue Levelland, TX 79336	2805825	O	Unit K - Section 21-T10S-R27E
147831	Agave Energy Co. 105 South Fourth Street Artesia, NM 88210	2807988	G	Unit K - Section 21-T10S-R27E

IV. Produced Water

<sup>23</sup> POD	<sup>24</sup> POD ULSTR Location and Description
2805824	Unit K - Section 21-T10S-R27E

V. Well Completion Data

<sup>25</sup> Spud Date	<sup>26</sup> Ready Date	<sup>27</sup> TD	<sup>28</sup> PBTD	<sup>29</sup> Perforations
<sup>30</sup> Hole Size	<sup>31</sup> Casing & Tubing Size	<sup>32</sup> Depth Set	<sup>33</sup> Sacks Cement	

VI. Well Test Data

<sup>34</sup> Date New Oil	<sup>35</sup> Gas Delivery Date	<sup>36</sup> Test Date	<sup>37</sup> Test Length	<sup>38</sup> Tbg. Pressure	<sup>39</sup> Csg. Pressure
<sup>40</sup> Choke Size	<sup>41</sup> Oil	<sup>42</sup> Water	<sup>43</sup> Gas	<sup>44</sup> AOF	<sup>45</sup> Test Method

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:

Printed name:

Rusty Klein

Title:

Operations Technician

Date: Jan. 29, 1997

Phone: 505-748-1471

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

2/4/97

If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature

Printed Name

Title

Date

TRICT I  
Box 1980, Hobbs, NM 88240

TRICT II  
Drawer DD, Artesia, NM 88210

TRICT III  
Rio Brazos Rd., Aztec, NM 87410

**OIL CONSERVATION DIVISION**  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

WELL API NO.
30-005-62636
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. LG 5246
7. Lease Name or Unit Agreement Name Pathfinder AFT State
8. Well No. 3
9. Pool name or Wildcat Diablo Fusselman Associated

**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.)

Type of Well:  
OIL WELL ☐ GAS WELL ☒ OTHER ☐ 12-3-92

Name of Operator  
ATES PETROLEUM CORPORATION ✓

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

Well Location

Unit Letter K : 1650 Feet From The South Line and 2310 Feet From The West Line

Section 21 Township 10S Range 27E NMPM Chaves County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)  
3839.5' GR

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

**NOTICE OF INTENTION TO:**

FORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
L OR ALTER CASING ☐  
TER: ☐

**SUBSEQUENT REPORT OF:**

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐  
OTHER: Acidize existing sand jet cuts ☒

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.

12-3-92. Acidized existing jet holes 6255' and 6278' w/1500 gals 7½% NEFE acid.  
Flowed back load.

12-11-92. Acidized existing sand jet holes 6255' and 6278' w/3000 gals 7½% NEFE acid + 250#  
block. Returned well to production.

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

SIGNATURE Juanita Goodlett TITLE Production Supervisor DATE 12-22-92

TYPE OR PRINT NAME Juanita Goodlett TELEPHONE NO. 505/748-1471

This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR, DISTRICT II DATE DEC 30 1992

CONDITIONS OF APPROVAL, IF ANY:

Submit 3 Copies  
to Appropriate  
District Office

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
100 Rio Brazos Rd., Aztec, NM 87410

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-103  
Revised 1-1-89

WELL API NO. 30-005-62636
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. LG 5246
7. Lease Name or Unit Agreement Name Pathfinder AFT State
8. Well No. 3
9. Pool name or Wildcat Diablo Fusselman Associated

**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.)

Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER WORKOVER
Name of Operator YATES PETROLEUM CORPORATION
Address of Operator 105 South 4th St., Artesia, NM 88210
Well Location Unit Letter <u>K</u> : <u>1650</u> Feet From The <u>South</u> Line and <u>2310</u> Feet From The <u>West</u> Line Section <u>21</u> Township <u>10S</u> Range <u>27E</u> NMPM <u>Chaves</u> County
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3839.5' GR

1. 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 ☐  
DRILL OR ALTER CASING ☐  
OTHER: ☐

**SUBSEQUENT REPORT OF:**

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐  
OTHER: CHANGE WELL STATUS TO GAS WELL ☒

2. 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.

11-17-92. RUPU. Unset packer. TOH w/tubing, blast joints, sliding sleeve and packer. TIH w/bit, scraper, seating nipple and 2-7/8" tubing to 6595'. Drop SV and test tubing to 2000 psi. TOH w/tubing, scraper and bit. Set retainer at 6375'. Squeeze perfs 6386-6415'. Sting into retainer at 6375'. Pumped 100 sx Class "H" cement w/additives. Squeeze perfs 6386-6415' to 2500 psi. Sting out of retainer. Set retainer on wireline at 6230'. Pumped 245 sx Class "H" w/additives. Pumped 245 sx Class "H" with additives. Squeezed perfs 6235-6356' to 3000 psi. Sting out of retainer. Drilled out retainer at 6230'. Drilled cement to 6310'. TIH w/sand jet tool and sand jet holes as follows: 6278' (2 holes), 6269' (2 holes); 6255' (2 holes). Acidized sand jet holes w/1500g. 15% NEFE (500g. each). Swabbed well. Acidized holes 6278, 69, 55' w/500g. 15% NEFE acid. Well cleaned up and flowed 275 psi on 3/8" choke = 975 mcf/gpd, no water and no condensate.

\*Will produce this gas well under the auspices of Rule 7 of R-5353.

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

SIGNATURE Juanita Goodlett TITLE Production Supervisor DATE 11-25-92

TYPE OR PRINT NAME Juanita Goodlett TELEPHONE NO. 505/748-1471

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR, DISTRICT II DATE DEC 30 1992

CONDITIONS OF APPROVAL, IF ANY:

Submit 5 Copies  
Appropriate District Office  
DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-104  
Revised 1-1-89  
See Instructions  
at Bottom of Page

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

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

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

RECEIVED

SEP 28 1992

REQUEST FOR ALLOWABLE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

Operator YATES PETROLEUM CORPORATION	Well API No. 30-005-62636
Address 105 South 4th St., Artesia, NM 88210	
Reason(s) for Filing (Check proper box) New Well <input type="checkbox"/> Change in Transporter of: <input checked="" type="checkbox"/> Other (Please explain) Recompletion <input type="checkbox"/> Oil <input checked="" type="checkbox"/> Dry Gas <input type="checkbox"/> CHANGE OIL TRANSPORTER EFFECTIVE 10-1-92. Change in Operator <input type="checkbox"/> Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/> CORRECT GAS TRANSPORTER.	

If change of operator give name  
and address of previous operator

II. DESCRIPTION OF WELL AND LEASE

Lease Name PATHFINDER AFT STATE	Well No. 3	Pool Name, Including Formation DIABLO FUSSELMAN ASSOCIATED	Kind of Lease State, Federal or Fee/ State, Federal or Fee/	Lease No. LG 5246
Location Unit Letter K : 1650 Feet From The South Line and 2310 Feet From The West Line Section 21 Township 10S Range 27E, NMPM, Chaves County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Amoco Pipeline Intercompany Trucking	Address (Give address to which approved copy of this form is to be sent) 502 N. West Avenue, Levelland, TX 79336					
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/> Yates Petroleum Corporation	Address (Give address to which approved copy of this form is to be sent) 105 South 4th St., Artesia, NM 88210					
If well produces oil or liquids, give location of tanks.	Unit K	Sec. 21	Twp. 10	Rge. 27	Is gas actually connected? YES	When? 3-9-90

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.		
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
Perforations						Depth Casing Shoe		
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET			SACKS CEMENT		

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas- MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations 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  
Juanita Goodlett - Production Supvr.  
Printed Name  
9-24-92  
Date  
(505) 748-1471  
Telephone No.

OIL CONSERVATION DIVISION

Date Approved SEP 29 1992

By Mike Williams

Title SUPERVISOR, DISTRICT II

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.



'91 NOV 18 AM 10 31

RECEIVED

NOV 14 1991

Type Test [x] Initial [ ] Annual [ ] Special				Test Date 2/20/90		NOV 14 1991	
Company Yates Petroleum Corporation			Connection Transwestern Pipeline Company			O. C. D. ARTESIA OFFICE	
Pool Fusselman			Formation Diablo			Unit	
Completion Date 1/24/90		Total Depth 6650.0'		Plug Back TD 6588.0'		Elevation 3839.5'	
Farm or Lease Name Pathfinder AFT St.		Well No. 3		Unit Sec Twp Rge K 21 10S 27E			
Csg Size 5.500"	Wt. 14.000#	d 5.012"	Set At 6650.0'	Perforations: From 6386.0' To 6415.0'			
Tbg Size 2.875"	Wt. 6.500#	d 2.441"	Set At 6360.0'	Perforations: From 0.0' To 0.0'			
Type Well Single				Packer Set At 6360.0'		County Chaves	
Producing Thru Tubing		Resv. Temp. °F 151 @ 6190'		Mean Temp. °F 62.0		Baro. Press. - Pa 13.2 psia.	
L 6360.0'		H 6360.0'		Gg .756		%CO2 2.39	
				%N2 1.99		%H2S 0.00	
				Prover 0.000"		Meter Run 2.000"	
						Taps Flange	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO	Prover Size	Orifice X Size	Press. psig	Diff. hw	Temp. °F	Press. psig	Temp. °F	Press. psig	Temp. °F	
SI	0.000	X 0.000	0	0.0	44	2468	0	0	0	0 hrs.
1.	2.067	X .500	530	12.0	43	1731	62	0	0	24 hrs.
2.	2.067	X .500	530	13.7	41	1408	62	0	0	24 hrs.
3.	2.067	X .500	520	21.7	44	1224	62	0	0	24 hrs.
4.	2.067	X .500	520	30.0	45	700	62	0	0	24 hrs.
5.	0.000	X 0.000	0	0.0	0	0	0	0	0	0 hrs.

## RATE OF FLOW CALCULATIONS

NO	Coefficient (24 HOUR)	$\sqrt{hwPm}$	Pressure Pm	Flow Temp Factor Ft.	Gravity Factor Fg	Super Compress. Fact. Fpv	Rate of Flow Q, Mcfd
1.	1.189	80.74	543.20	1.017	1.150	1.081	121
2.	1.189	86.27	543.20	1.019	1.150	1.082	130
3.	1.189	107.57	533.20	1.016	1.150	1.079	161
4.	1.189	126.48	533.20	1.015	1.150	1.078	189
5.	0.000	0.00	0.00	0.000	0.000	0.000	0

NO	Pr	Temp. °R	Tr	Z	Gas Liquid Hydrocarbon Ratio	15.800 Mcf/bbl.
1.	.81	503	1.26	.856	A.P.I. Gravity of Liquid Hydrocarbons	34.000 Deg.
2.	.81	501	1.26	.854	Specific Gravity Separator Gas	.756
3.	.79	504	1.27	.860	Specific Gravity Flowing Fluid	.969
4.	.79	505	1.27	.861	Critical Pressure	673.5 PSIA
5.	0.00	0	0.00	0.000	Critical Temperature	397.9°R

Pc	2481.2	Pc <sup>2</sup>	6156.4			
NO	Pt <sup>2</sup>	Pw	Pw <sup>2</sup>	Pc <sup>2</sup> -Pw <sup>2</sup>	(1) $\frac{Pc^2}{Pc^2-Pw^2} = 1.0829$	(2) $\left[ \frac{Pc^2}{Pc^2-Pw^2} \right]^n = 1.0609$
1.	3042.2	1744.2	3042.3	3114.1		
2.	2019.8	1421.2	2019.9	4136.5		
3.	1530.7	1237.3	1530.8	4625.5		
4.	508.7	713.4	508.9	5647.4		
5.	0.0	0.0	0.0	0.0		

$$ROF = Q \left[ \frac{Pc^2}{Pc^2 - Pw^2} \right]^n = 201 \text{ Mcfd}$$

Absolute Open Flow 201 Mcfd @ 15.025 Angle of Slope, 0 37 Slope, n .742  
Remarks:

Approved By:	Conducted By: Paul Hanes	Calculated By: Andrea Carpenter	Checked By:
--------------	-----------------------------	------------------------------------	-------------

WORKSHEET FOR CALCULATION OF STATIC COLUMN WELLHEAD PRESSURE (Pw) C-122D

Adopted 9-1-65

DATE 10/30/91

COMPANY Yates Petroleum Corporation LEASE Pathfinder AFT St. WELL NO. 3

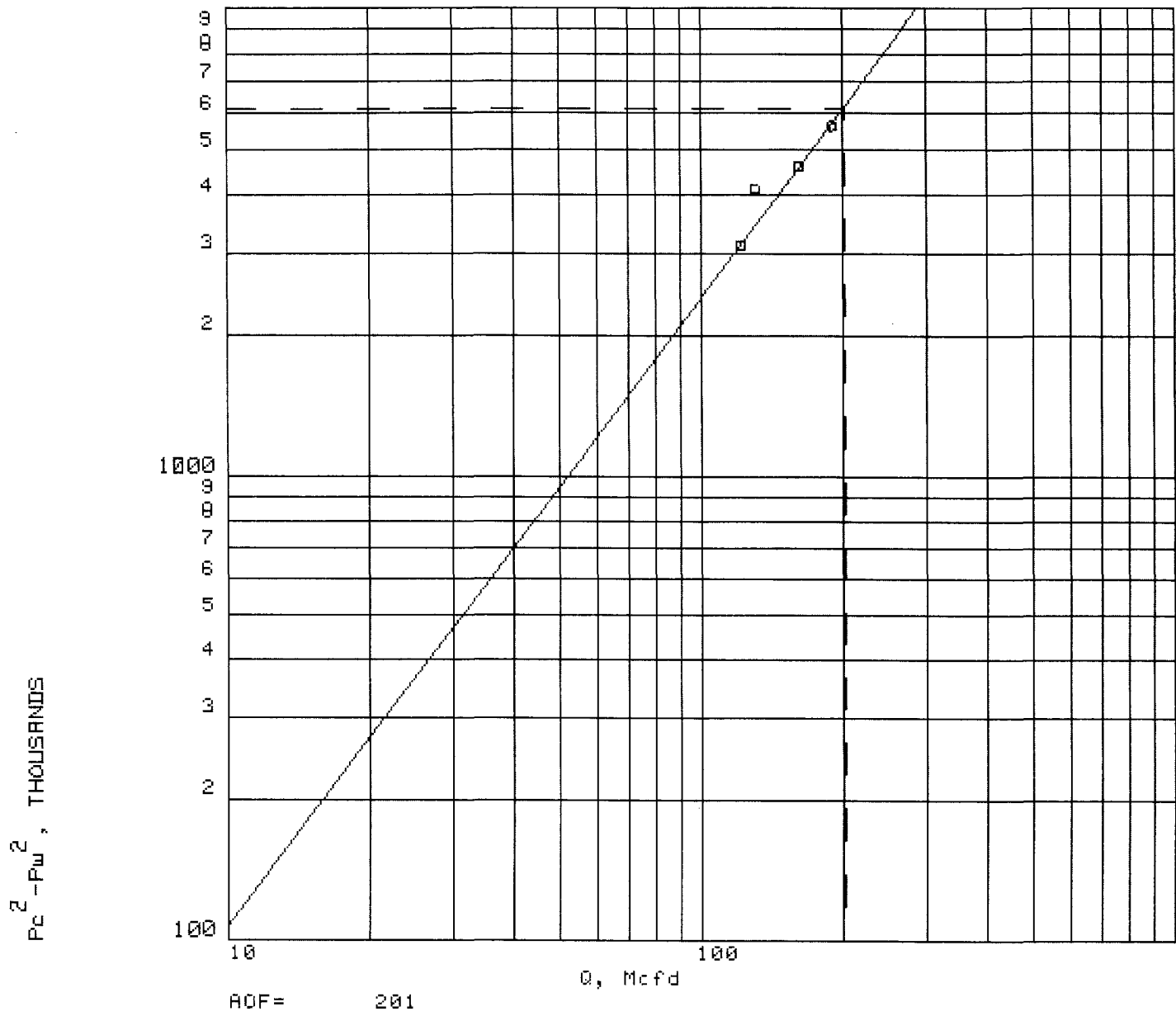
LOCATION: Unit K Section 21 Township 10S Range 27E

L 6360.0 H 6360.0 L/H 1.000 G .969 %CO<sub>2</sub> 2.39 %N<sub>2</sub> 1.99 %H<sub>2</sub>S 0.00

d 2.441 Fr .010495 GH 6161.3 Pcr 666.1 Tcr 468.1

LINE	1st Rate	2nd Rate	3rd Rate	4th Rate	5th Rate
1 Qm	.121	.130	.161	.189	0.000
2 Tw(W.H.°R)	522.0	522.0	522.0	522.0	0.0
3 Ts(B.H.°R)	611.0	611.0	611.0	611.0	0.0
4 T=(Tw+Ts)/2	566.5	566.5	566.5	566.5	0.0
5 Z(Est.)	.550	.530	.540	.727	0.000
6 TZ	311.6	300.2	305.9	412.1	0.0
7 GH/TZ	19.774	20.527	20.141	14.951	0.000
8 e <sup>s</sup> (Table XIV)	2.099	2.159	2.128	1.752	0.000
9 1-e <sup>-s</sup> (Table XIV)	.524	.537	.530	.429	0.000
10 Pt	1744.2	1421.2	1237.2	713.2	0.0
11 Pt <sup>2</sup> /1000	3042.2	2019.8	1530.7	508.7	0.0
12 Fr(Table XV)	.010495	.010495	.010495	.010495	0.000000
13 Fc=FrTZ	3.269	3.150	3.211	4.325	0.000
14 FcQm	.397	.410	.517	.818	0.000
15 L/H(FcQm) <sup>2</sup>	.157	.168	.268	.669	0.000
16 Fw=L/H(FcQm) <sup>2</sup> (1-e <sup>-s</sup> )	.082	.090	.142	.287	0.000
17 Pw <sup>2</sup> =Pt <sup>2</sup> +Fw	3042.3	2019.9	1530.8	508.9	0.0
18 Ps <sup>2</sup> =e <sup>s</sup> Pw <sup>2</sup>	6387.0	4361.5	3257.6	891.5	0.0
19 Ps	2527.3	2088.4	1804.9	944.2	0.0
20 P=(Pt+Ps)/2	2135.7	1754.8	1521.1	828.7	0.0
21 Pr=(P/Pcr)	3.21	2.63	2.28	1.24	0.00
22 Tr=(T/Tcr)	1.21	1.21	1.21	1.21	0.00
23 Z(Table XI)	.550	.530	.540	.727	0.000

Company	Yates Petroleum Corporation
Well	Pathfinder AFT St. No. 3
Location	K, 21-10S-27E
County	Chaves
Date	10/30/91



Submit 5 Copies  
Appropriate District Office  
DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

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

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-104  
Revised 1-1-89  
See Instructions  
at Bottom of Page

DEC 27 AM 10 54

REQUEST FOR ALLOWABLE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

Operator YATES PETROLEUM CORPORATION	Well API No. 30-005-62636
Address 105 South 4th St., Artesia, NM 88210	
Reason(s) for Filing (Check proper box) <input checked="" type="checkbox"/> Other (Please explain)	
New Well <input type="checkbox"/>	Change in Transporter of:
Recompletion <input type="checkbox"/>	Oil <input checked="" type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Operator <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>
EFFECTIVE DATE: January 1, 1991	

If change of operator give name  
and address of previous operator

II. DESCRIPTION OF WELL AND LEASE

Lease Name Pathfinder AFT State	Well No. 3	Pool Name, Including Formation Diablo Fusselman	Kind of Lease State, Federal or Fee	Lease No. LG-5246
Location				
Unit Letter K : 1650 Feet From The South Line and 2310 Feet From The West Line				
Section 21 Township 10S Range 27E, NMPM, Chaves County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Western Oil Transportation Co., Inc.	PO Box 1183, Houston, TX 77251-1183
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Transwestern Pipeline Co.	PO Box 1188, Houston, TX 77001
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When ?
K 21 10s 27E Yes	3-9-90

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.		
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
Perforations						Depth Casing Set		
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET			O.C.D. SACKS CEMENT		
						ARTESIA, OFFICE		

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas- MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations 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.

Juanita Goodlett JKG  
Signature  
Juanita Goodlett - Production Supvr.  
Printed Name  
12-14-90 (505) 748-1471  
Date Telephone No.

OIL CONSERVATION DIVISION

Date Approved DEC 14 1990

By Mike Williams

Title SUPERVISOR, DISTRICT II

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

Submit 5 Copies  
Appropriate District Office  
DISTRICT I  
P.O. Box 1980, Hobbs, NM, 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

RECEIVED

MAR 15 '90

Form C-104  
Revised 1-1-89  
See Instructions  
at Bottom of Page

REQUEST FOR ALLOWABLE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

Operator YATES PETROLEUM CORPORATION	Well API No. 30-005-62636
Address 105 South 4th St., Artesia, NM 88210	
Reason(s) for Filing (Check proper box) New Well <input type="checkbox"/> Change in Transporter of: <input type="checkbox"/> Other (Please explain) Recompletion <input type="checkbox"/> Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/> Casinghead gas connection. Change in Operator <input type="checkbox"/> Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>	

If change of operator give name  
and address of previous operator

II. DESCRIPTION OF WELL AND LEASE

Lease Name Pathfinder AFT State	Well No. 3	Pool Name, Including Formation Und. Siluro-Ordovician	Kind of Lease State, Federal or Fed	Lease No. LG 5246
Location Unit Letter K : 1650 Feet From The South Line and 2310 Feet From The West Line Section 21 Township 10S Range 27E, NMPM, Chaves County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil Navajo Refg. Co.	<input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) PO Box 159, Artesia, NM 88210				
Name of Authorized Transporter of Casinghead Gas Transwestern Pipeline Co.	<input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) PO Box 1188, Houston, TX 77001				
If well produces oil or liquids, give location of tanks.	Unit K	Sec. 21	Twp. 10	Rge. 27	Is gas actually connected? YES	When? 3-9-90

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			

TUBING, CASING AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations 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  
Juanita Goodlett - Production Supvr.  
Printed Name  
3-12-90  
Date  
Title  
(505) 748-1471  
Telephone No.

OIL CONSERVATION DIVISION

Date Approved MAR 16 1990  
By  
Title SUPERVISOR, DISTRICT II

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

54

OIL CONSERVATION DIVISION

OIL CONSERVATION DIVISION  
RECEIVED

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

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

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

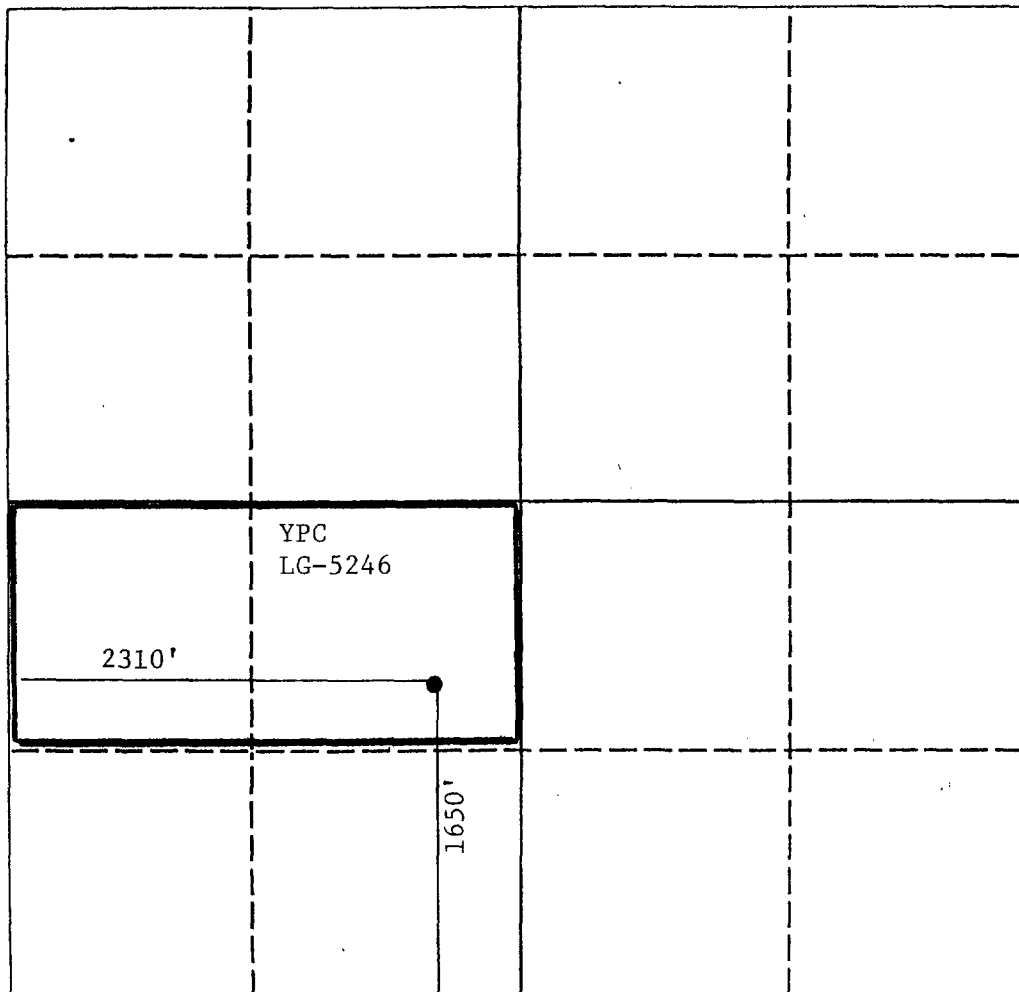
'90 OCT 10 AM 9 41

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator YATES PETROLEUM CORPORATION			Lease Pathfinder AFT State		Well No. 3
Unit Letter K	Section 21	Township 10-S	Range 27-E	County Chaves	
Actual Footage Location of Well: 1650 feet from the South line and 2310 feet from the West line					
Ground level Elev. 3839.5'		Producing Formation Fusselman		Pool Diablo Fusselman Associated Pool	
				Dedicated Acreage: 80 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?  
☐ Yes ☒ No If answer is "yes" type of consolidation \_\_\_\_\_  
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary).  
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature

Printed Name

JUANITA GOODLETT

Position

PRODUCTION SUPERVISOR

Company

YATES PETROLEUM CORPORATION

Date

8-15-90

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 knowledge and belief.

Date Surveyed

Original plat submitted

Signature & Seal of Professional Surveyor 8/17/88

Certificate No.

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0



DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

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

OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

MAR 15 '90

WELL API NO.  
30-005-62636

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

8. Well No.  
3

9. Pool name or Wildcat  
Undes. Siluro-Ordovician

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 (505) 748-1471

3. Address of Operator  
105 South 4th St., Artesia, New Mexico 88210

4. Well Location  
Unit Letter K : 1650 Feet From The South Line and 2310 Feet From The West Line  
Section 21 Township 10S Range 27E NMPM Chaves County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)  
3839.5' 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 ☐  
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐  
OTHER: Acidize well ☒

12. 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.

2-9-90. Dump 250 gals acid followed by 39 bbls 2% KCL water. Well on vacuum.  
Wait 1 hr. RU swab. Swabbed well.  
2-10-90. Dumped 500 gals 20% gelled acid and flushed with 37 bbls 2% KCL water.  
3-6-90. Acidized existing perforations 6401-6415' w/1250 gals 15% retarded acid  
with paraffin solvent.  
Swabbed well.  
3-8-90. Well returned to production.

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

SIGNATURE Juanita Goodlett TITLE Production Supervisor DATE 3-12-90  
TYPE OR PRINT NAME Juanita Goodlett TELEPHONE NO. 505/748-1471

(This space for State Use)

APPROVED BY Mr. A. Williams TITLE SUPERVISOR, DISTRICT II DATE MAR 16 1990  
CONDITIONS OF APPROVAL, IF ANY:

Submit 5 Copies  
Appropriate District Office  
DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Department

RECEIVED

Form C-104  
Revised 1-1-89  
See Instructions  
at Bottom of Page

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

JAN 26 '90

O. C. D.

ARTESIA, OFFICE

REQUEST FOR ALLOWABLE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

Operator YATES PETROLEUM CORPORATION	Well API No. 30-005-62636
Address 105 South 4th St., Artesia, NM 88210	
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)	
New Well <input checked="" type="checkbox"/>	Change in Transporter of:
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Operator <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>

If change of operator give name  
and address of previous operator

II. DESCRIPTION OF WELL AND LEASE

Lease Name Pathfinder AFT State	Well No. 3	Pool Name, Including Formation <del>Und. Siluro-Ordovician</del>	Kind of Lease State, Federal or Fed	Lease No. LG 5246
Location Unit Letter <u>K</u> : <u>1650</u> Feet From The <u>South</u> Line and <u>2310</u> Feet From The <u>West</u> Line Section <u>21</u> Township <u>10S</u> Range <u>27E</u> , NMPM, Chaves County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Navajo Refining Co.	Address (Give address to which approved copy of this form is to be sent) PO Box 159, Artesia, NM 88210					
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
If well produces oil or liquids, give location of tanks.	Unit K	Sec. 21	Twp. 10s	Rge. 27e	Is gas actually connected? No	When ?

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well X	Gas Well	New Well X	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded 8-21-88	Date Compl. Ready to Prod. 1-24-90	Total Depth 6650'	P.B.T.D. 6588'					
Elevations (DF, RKB, RT, GR, etc.) 3839.5' GR	Name of Producing Formation Siluro-Ordovician	Top Oil/Gas Pay 6386'	Tubing Depth 6360'					
Perforations 6386-6415'	Depth Casing Shoe 6650'							
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
12 1/2"	10-3/4"	245'	Mudded in, pulled out					
12 1/2"	8-5/8"	622'	300 sx					
7-7/8"	5 1/2"	6650'	910 sx					
	2-7/8"	6360'						

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank 1-22-90	Date of Test 1-24-90	Producing Method (Flow, pump, gas lift, etc.) Flowing	
Length of Test 24 hrs	Tubing Pressure 950	Casing Pressure Pkr	Choke Size 18/64"
Actual Prod. During Test 360	Oil - Bbls. 360	Water - Bbls. 0	Gas - MCF 545

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations 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  
Juanita Goodlett - Production Supvr.

Printed Name  
1-25-90

Date  
(505) 748-1471

Telephone No.

OIL CONSERVATION DIVISION

Date Approved

EEB 2 8 1990

By

Title  
SUPERVISOR, DISTRICT II

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

Submit to Appropriate  
District Office  
State Lease - 6 copies  
Fee Lease - 5 copies  
DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-105  
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87508

WELL API NO.  
30-005-62636

5. Indicate Type of Lease  
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.  
LG 5246

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:  
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. Type of Completion:  
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER ☐

2. Name of Operator  
YATES PETROLEUM CORPORATION (505) 748-1471

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

4. Well Location  
Unit Letter K : 1650 Feet From The South Line and 2310 Feet From The West Line

Section 21 Township 10S Range 27E NMPM Chaves County

10. Date Spudded 8-21-88 11. Date T.D. Reached 11-24-88 12. Date Compl. (Ready to Prod.) 1-24-90 13. Elevations (DF& RKB, RT, GR, etc.) 3839.5' GR 14. Elev. Casinghead

15. Total Depth 6650' 16. Plug Back T.D. 6588' 17. If Multiple Compl. How Many Zones? 18. Intervals Drilled By Rotary Tools 2102-6650' Cable Tools 0-2102'

19. Producing Interval(s), of this completion - Top, Bottom, Name 6386-6415' Siluro-Ordovician 20. Was Directional Survey Made No

21. Type Electric and Other Logs Run CNL/LDT, DLL 22. Was Well Cored No

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#	245'	12 1/2"	Mudded in, pulled out	
8-5/8"	24#	622'	12 1/2"	300 sx	
5-1/2"	15.5#	6650'	7-7/8"	910 sx	

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-7/8"	6360'	6360'

26. Perforation record (interval, size, and number) 6386-92, 6401-02, 6408-15 w/56 0.52" Holes (4 SPF)				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 6386-6415'		AMOUNT AND KIND MATERIAL USED w/500g. 20% NEFE acid.

28. PRODUCTION							
Date First Production 12-2-88		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing	

Date of Test 1-24-90	Hours Tested 17	Choke Size 18/64"	Prod'n For Test Period	Oil - Bbl. 255	Gas - MCF 386	Water - Bbl. -	Gas - Oil Ratio 1514
Flow Tubing Press. 950	Casing Pressure PKR	Calculated 24-Hour Rate	Oil - Bbl. 360	Gas - MCF 545	Water - Bbl. -	Oil Gravity - API - (Corr.) 34-35°	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)  
Vented - Will be sold

Test Witnessed By  
Bill Hansen

30. List Attachments  
Deviation Survey, DST's, Logs (submitted to NMOCD)

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

Signature Juanita Coodlett Printed Name Juanita Coodlett Title Production Supv. Date 1-24-90

# 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

T. Anhy	T. Canyon
T. Salt	T. Strawn
B. Salt	T. Atoka
T. Yates	T. Miss 6211
T. 7 Rivers	T. Devonian
T. Queen	T. Silurian
T. Grayburg	T. Montoya
T. San Andres 1406	T. Simpson
T. Glorieta 2582	T. McKee
T. Paddock YESI 2664	T. Ellenburger
T. Blinberry	T. Gr. Wash
T. Tubb	T. Delaware Sand
T. Drinkard	T. Bone Springs
T. Abo 4838	T. Siluro-Ordovician-6244
T. Wolfcamp 5512	T. Precambrian -6564
T. Penn 6158	T.
T. Cisco (Bough C) 6044	T.

### Northwestern New Mexico

T. Ojo Alamo	T. Penn. "B"
T. Kirtland-Fruitland	T. Penn. "C"
T. Pictured Cliffs	T. Penn. "D"
T. Cliff House	T. Leadville
T. Menefee	T. Madison
T. Point Lookout	T. Elbert
T. Mancos	T. McCracken
T. Gallup	T. Ignacio Otzte
Base Greenhorn	T. Granite
T. Dakota	T.
T. Morrison	T.
T. Todilto	T.
T. Entrada	T.
T. Wingate	T.
T. Chinle	T.
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
0	100	100	Surface, Rock, Sd	5580	6160	580	Lm, Sh
100	245	145	Sd, Sh	6160	6280	120	Lm, Sh, Sd
245	395	150	Anhy	6280	6580	300	Dolo, Cht
395	2100	1705	Anhy, Sh, Lm	6580	6650	70	Qtz
2100	2140	40	Dolo				
2140	2410	270	LS				
2410	2538	128	Dolo, Anhy, LS				
2538	3080	542	Dolo, Sd, Anhy, Lm				
3080	3400	320	Sh, Salt, Dolo, SS				
3400	3500	100	Dolo, Anhy, Sh				
3500	3774	274	Salt, Sh, Dolo, Anhy				
3774	3880	106	Dolo, Anhy				
3880	4066	186	Dolo, Anhy, Salt				
4066	4620	554	Anhy, Dolo, Sd				
4620	4810	190	Anhy, Dolo				
4810	5420	430	Shale				
5420	5580	340	Shale, Dolo				

Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

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

OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

WELL API NO.  
30-005-62636

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

8. Well No.  
3

9. Pool name or Wildcat  
~~Unders. Siluro-Ordovician~~  
*Double Fosselman*

10. Elevation (Show whether DF, RKB, RT, GR, etc.)  
3839.5' GR

JAN 25 '90

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 South 4th St., Artesia, NM 88210

4. Well Location  
Unit Letter K : 1650 Feet From The South Line and 2310 Feet From The West Line  
Section 21 Township 10S Range 27E NMPM Chaves County

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 ☐  
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐  
OTHER: Acidize perms. change well status ☒

12. 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.

CHANGE WELL STATUS FROM GAS WELL TO OIL WELL. WELL COMPLETION RE-FILED.

1-23-90. Acidized perforations 6386-6415' w/500 gals 20% NEFE acid.

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

SIGNATURE Juanita Goodlett TITLE Production Supervisor DATE 1-24-90  
TYPE OR PRINT NAME Juanita Goodlett TELEPHONE NO. 505/748-1471

(This space for State Use)

APPROVED BY Mr. Williams TITLE SUPERVISOR, DISTRICT II DATE FEB 28 1990  
CONDITIONS OF APPROVAL, IF ANY:

Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240  
DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210  
DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088  
JAN 24 '90

WELL API NO. 30-005-62636
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. LG 5246
7. Lease Name or Unit Agreement Name Pathfinder AFT State
8. Well No. 3
9. Pool name or Wildcat Und. Siluro Ordovician Diablo Fusselman
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3839.5' GR

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 <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	2. Name of Operator YATES PETROLEUM CORPORATION
3. Address of Operator 105 South 4th St., Artesia, NM 88210	4. Well Location Unit Letter K : 1650 Feet From The South Line and 2310 Feet From The West Line Section 21 Township 10S Range 27E NMPM Chaves County
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3839.5' 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"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: Perforate existing zone <input checked="" type="checkbox"/>

12. 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.

Well completed as gas well 12-2-88. Well has been shut-in waiting on pipeline connection. 1-20-90 - 1-22-90. RUPU to workover well. POOH w/packer. TIH w/Vann System, packer, on/off tool, tubing, subs. Correlate guns into position. Drop bar and perforated 6386-6415' with 4 SPF (56 0.52" holes) as follows: 6386-92', 6401-02' and 6408-15'. GTS in 1 minute with 2" flare (TSTM). Swabbed well. Well started unloading oil. Top of packer set at 6360'.

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

SIGNATURE Juanita Goodlett TITLE Production Supervisor DATE 1-23-90  
TYPE OR PRINT NAME Juanita Goodlett TELEPHONE NO. 505/748-1471

(This space for State Use)

APPROVED BY Mike Williams TITLE SUPERVISOR, DISTRICT II DATE FEB 2 8 1990  
CONDITIONS OF APPROVAL, IF ANY:



NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	<input checked="" type="checkbox"/>
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

## OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

RECEIVED

DEC 07 '88

ARTESIA OFFICE

Form O-105  
Revised 10-1-78

54

API #30-005-62636

5a. Indicate Type of Lease

State ☒ Fee ☐

5. State Oil &amp; Gas Lease No.

LG 5246

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

TYPE OF WELL

OIL WELL ☐GAS WELL ☒DRY ☐

OTHER TITE HOLE!

TYPE OF COMPLETION

NEW WELL ☒WORK OVER ☐DEEPEN ☐PLUG BACK ☐DIFF. RESVR. ☐OTHER ☐

Name of Operator

Yates Petroleum Corporation

Address of Operator

105 South 4th St., Artesia, NM 88210

Location of Well

T. LETTER K LOCATED 1650 FEET FROM THE South SANTA FE

West LINE OF SEC. 21 TWP. 10S RGE. 27E NMPM

Date Spudded  
8-21-8816. Date T.D. Reached  
11-24-8817. Date Compl. (Ready to Prod.)  
12-2-8818. Elevations (DF, RKB, RT, GR, etc.)  
3839.5' GR

19. Elev. Casinghead

Total Depth  
6650'21. Plug Back T.D.  
6588'

22. If Multiple Compl., How Many

23. Intervals Drilled By

Rotary Tools  
2102-6650'Cable Tools  
0-2102'

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

6255-6356' Siluro-Ordovician

25. Was Directional Survey Made

No

Type Electric and Other Logs Run

CNL/LDT; DLL

27. Was Well Cored

No

## 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#	245'	12 1/4"	Mudded in, pulled out	
8-5/8"	24#	622'	12 1/4"	300 sx	
5-1/2"	15.5#	6650'	7-7/8"	910 sx	

LINER RECORD					TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-7/8"	6196'	6207'

1. Perforation Record (Interval, size and number)

6255-6356' w/53 .50" Holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
6255-6356'	w/2500g. 15% HCL acid + 100 Ball Sealers
	Post FD-2 12-30-88 Comp + BK

3. PRODUCTION

Date First Production 12-2-88		Production Method (Flowing, gas lift, pumping -- Size and type pump) Flowing				Well Status (Prod. or Shut-in) SIWOPLC	
Date of Test 12-2-88	Hours Tested 5	Choke Size 32/64"	Prod'n. For Test Period →	Oil - Bbl. -	Gas - MCF 800	Water - Bbl. -	Gas - Oil Ratio -
Flow Tubing Press. 600 psi	Casing Pressure PKR	Calculated 24-Hour Rate →	Oil - Bbl. -	Gas - MCF 3839	Water - Bbl. -	Oil Gravity - API (Corr.) -	

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

Vented-Will be sold

Test Witnessed By

Bill Hansen

5. List of Attachments

Deviation Survey, DST's, Logs

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

Signed Arleta D. Doolittle TITLE Production Supervisor

DATE 12-6-88

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-dilled or deepened well. It shall be accompanied by one copy of all essential and preliminary 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 30 through 34 shall be reported for each zone. The form is to be filed in quadruplicate except on state land, where six copies are required, less Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss 6211	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres 1406	T. Simpson	T. Gallup	T. Ignacio Qtzite
T. Glorieta 2582	T. McKee	Base Greenhorn	T. Granite
T. <del>Panaca</del> YESO 2664	T. Ellenburger	T. Dakota	T.
T. Blinberry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Granite	T. Todillo	T.
T. Drinkard	T. Delaware Sand	T. Entrada	T.
T. Abo 4838	T. Bone Springs	T. Wingate	T.
T. Wolfcamp 5512	T. Siluro-Ordovician-6244	T. Chinle	T.
T. Penn. C1 6158	T. Precambrian -6564	T. Permian	T.
T. Cisco (Dough C) 6044	T.	T. Penn. "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....	No. 4, from.....to.....
No. 2, from.....to.....	No. 5, from.....to.....
No. 3, from.....to.....	No. 6, 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.....
No. 4, from.....to.....feet.....

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	100	100	Surface, Rock, Sd	5580	6160	580	Lm, Sh
100	245	145	Sd, Sh	6160	6280	120	Lm, Sh, Sd
245	395	150	Anhy	6280	6580	300	Dolo, Cht
395	2100	1705	Anhy, Sh, Lm	6580	6650	70	Qtz
2100	2140	40	Dolo				
2140	2410	270	LS				
2410	2538	128	Dolo, Anhy, LS				
2538	3080	542	Dolo, Sd, Anhy, Lm				
3080	3400	320	Sh, Salt, Dolo, SS				
3400	3500	100	Dolo, Anhy, Sh				
3500	3774	274	Salt, Sh, Dolo, Anhy				
3774	3880	106	Dolo, Anhy				
3880	4066	186	Dolo, Anhy, Salt				
4066	4620	554	Anhy, Dolo, Sd				
4620	4810	190	Anhy, Dolo				
4810	5420	430	Shale				

YATES PETROLEUM CORPORATION

Pathfinder AFT State No. 3, LG-5246  
Unit K, 1650' FSL & 2310' FWL  
Section ~~260~~ T10S-R27E  
Chaves County, New Mexico

DRILL STEM TESTS

DST #1 5516-5553' WOLFCAMP: Opened tool 1:39 AM with 6" blow. Bottom of bucket in 12 mins. In 30 mins, had 8 oz. on 1/8" choke. SI 60". Opened 1/8" choke - 5 oz. In 5 mins had 6 oz. Stayed at 6 oz. throughout 60 mins. SI 180". No GTS. RECOVERY: 60' rathole mud. SAMPLER: 32 psi .2 cfg. PRESSURES: (Bottom) IHP 3010, IFP 41-50, ISIP 323, FFP 50-50, FSIP 689, FHP 3010.

DST #2 6252-6325' ORDOVICIAN: Times- TO 17", SI 60", TO 60", SI 180". Flowing pressure at surface during FF 1250 psi on 1/4" choke = 1.8 mmcf/d. RECOVERY: Reversed out 2.1 bbls gas cut oil. Gravity 28 @ 55°. SAMPLER: 16.5 cfg, 2000 psi. PRESSURES: IHP 3445, IFP 416-1073, ISIP 2489, FFP 463-1635, FSIP 2489, FHP 3445.

# Walters

DRILLING INC.

P. O. BOX 717

FARMINGTON, NEW MEXICO 87499

(505) 327-5218

RECEIVED

DEC 07 '88

O. C. D.  
ARTESIA, OFFICE

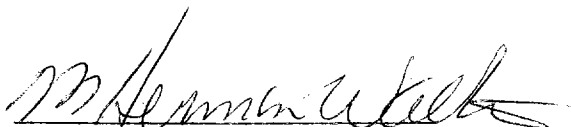
November 29, 1988

Yates Petroleum Company ✓  
105 South 4th St.  
Artesia, New Mexico 88210

Re: Pathfinder AFT State #3

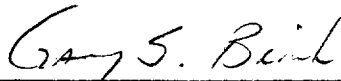
## Deviation Survey

<u>Depth</u>	<u>Degrees</u>
600'	2 1/4° - 600'
650'	2 1/4° - 50'
700'	2 1/4° - 50'
2098'	2° - 1398'
2410'	2° - 312' ✓
2911'	1° - 501' ✓
3400'	1/4° - 489' ✓
3898'	1 3/4° - 498' ✓
4465'	3/4° - 567' ✓
4827'	1/4° - 362' ✓
5366'	1 1/2° - 539' ✓
5840'	1 1/4° - 474' ✓
6459'	1 1/2° - 1619' ✓
6650'	1 1/2° - 191' ✓



M. Herman Walters  
President

Subscribed and sworn before me on this 29th day of November, 1988.



Gary S. Brink  
San Juan County, New Mexico  
My Commission Expires August 15, 1989.

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

RECEIVED

DEC 07 '88

O. C. D.

Form C-103  
Revised 10-1-78

API #30-005-62636

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
LG 5246	
7. Unit Agreement Name	
8. Farm or Lease Name	
Pathfinder AFT State	
9. Well No.	
3	
10. Field and Pool, or Wildcat	
Undes. Siluro-Ordovician	
12. County	
Chaves	

SUNDY NOTICES AND REPORTS ON WELLS ~~ARTESIA OFFICE~~

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT - 1" (FORM C-101) FOR SUCH PROPOSALS.)

1. Name of Operator  
Yates Petroleum Corporation

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

3. Location of Well  
UNIT LETTER K 1650 FEET FROM THE South LINE AND 2310 FEET FROM THE West LINE, SECTION 20 21 TOWNSHIP 10S RANGE 27E NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)  
3839.5' GR

16. 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"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER <u>Production Casing, Perforate, Treat</u> <input checked="" type="checkbox"/>

17. 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.

TD 6650'. Reached TD 12:30 AM 11-24-88. Ran 160 joints 5-1/2" 15.5# J-55 LT&C (6682') casing set 6650'. Float shoe set 6650', float collar set 6608'. DV tool set 2725'. Cemented as follows: Stage 1 - 350 sx Class "C" w/10% salt + .8% CF-14, (yield 1.32, weight 14.8). PD 12:00 AM 11-25-88. Circulated thru DV tool 3 hrs. Stage 2 - 460 sx Pacesetter Lite (yield 1.98, weight 12.4). Tailed in w/ 100 sx Class "C" (yield 1.32, weight 14.8). PD 3:00 AM 11-26-88. Bumped plug to 2800 psi for 5 mins, released pressure, float and casing held okay. WOC.

11-29-88. Drilled out DV tool at 2725'.

11-30-88. Perforated 6255-6356' w/53 .50" holes as follows: 6255, 56, 57, 58, 59, 68, 69, 70, 76, 77, 78, 79, 80, 86, 87, 88, 96, 97, 98, 6302, 03, 04, 10, 11, 12, 13, 17, 18, 19, 20, 21, 22, 23, 24, 28, 29, 30, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 52, 53, 54, 55, and 6356'.

12-1-88. Acidized perforations 6255-6356' w/2500 gals 15% HCL acid + 100 ball sealers.

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

SIGNED Arata Sood TITLE Production Supervisor DATE 12-5-88

APPROVED BY Mike Williams TITLE SUPERVISOR, DISTRICT II DATE DEC 27 1988

CONDITIONS OF APPROVAL, IF ANY:

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	<input checked="" type="checkbox"/>
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

OIL CONSERVATION DIVISION

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-1-78

NOV 16 '88

C. C. D.  
ARTESIA, OFFICE

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. 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.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- <input type="checkbox"/>		7. Unit Agreement Name
2. Name of Operator Yates Petroleum Corporation		8. Farm or Lease Name Pathfinder AFT State
3. Address of Operator 105 South 4th St., Artesia, NM 88210		9. Well No. 3
4. Location of Well UNIT LETTER <u>K</u> , <u>1650</u> FEET FROM THE <u>South</u> LINE AND <u>2310</u> FEET FROM THE <u>West</u> LINE, SECTION <u>20 21</u> TOWNSHIP <u>10S</u> RANGE <u>27E</u> NMPM.		10. Field and Pool, or Wildcat Wildcat
15. Elevation (Show whether DF, RT, GR, etc.) 3839.5' GR		12. County Chaves

16. 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"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER <u>Drilling status</u> <input checked="" type="checkbox"/>

17. 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.

11-4-88. Moved in rotary rig and continue to drill to a new total depth of 7200' and test the Fusselman formation.  
Drilled rat and mouse holes. Picked up drill collars and drill pipe. Reamed and circulated to bottom. Resumed drilling.

11-14-88. TD 4443'.

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

SIGNED [Signature] TITLE Production Supervisor DATE 11-15-88

APPROVED BY [Signature] TITLE SUPERVISOR, DISTRICT 7 DATE NOV 18 1988

CONDITIONS OF APPROVAL, IF ANY:



## OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

OCT 07 '88

Form C-103  
Revised 10-1-79  
API #30-005-62636

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

O. C. D.  
ARTESIA, OFFICE

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. 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 - I" (FORM C-101) FOR SUCH PROPOSALS.)OIL WELL ☒ GAS WELL ☐ OTHER ☐

Name of Operator

Yates Petroleum Corporation ✓

Address of Operator

105 South 4th St., Artesia, NM 88210

Location of Well

UNIT LETTER K 1650 FEET FROM THE South LINE AND 2310 FEET FROMTHE West LINE, SECTION 21 TOWNSHIP 10S RANGE 27E NMPM.

7. Unit Agreement Name

8. Farm or Lease Name

Pathfinder APT State

9. Well No.

3

10. Field and Pool, or Wildcat

Undes. Diablo San Andres

15. Elevation (Show whether DF, RT, GR, etc.)

3839.5' GR

12. County

Chaves

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO:PERFORM REMEDIAL WORK ☐TEMPORARILY ABANDON ☐PULL OR ALTER CASING ☐PLUG AND ABANDON ☐CHANGE PLANS ☐OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐COMMENCE DRILLING OPNS. ☐CASING TEST AND CEMENT JOBS ☒OTHER ☐ALTERING CASING ☐PLUG AND ABANDONMENT ☐

7. 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.

9-4-88. Ran 15 joints 8-5/8" 24# J-55 ST&C casing set 622'. Texas Pattern guide shoe set 622', baffle plate set 578'. Cemented w/300 sacks Class "C" with 2% CaCl<sub>2</sub> (yield 1.32, weight 14.8). PD 1:30 PM 9-4-88. Bumped plug to 300 psi. Cement circulated 15 sacks. NU and tested to 1000 psi for 15 minutes, OK. WOC. Note: Prior to cement job pulled and laid down 6 joints 10-3/4" 40.5# (245') previously mudded in. Drilled out 3:00 PM 9-6-88. WOC 49-1/2 hrs. Tested 2 hours, water shut off. Resumed drilling.

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

SIGNED Guarata D. WilliamsTITLE Production SupervisorDATE 10-5-88APPROVED BY Mr. WilliamsTITLE SUPERVISOR, DISTRICT IIDATE OCT 11 1988

CONDITIONS OF APPROVAL, IF ANY:

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-1-78

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.O.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. LG-5246

SUNDRY NOTICES AND REPORTS ON WELLS RECEIVED  
(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.)

OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	OCT 04 '88	7. Unit Agreement Name
1. Name of Operator Yates Petroleum Corporation	O. C. S.	8. Farm or Lease Name Pathfinder AFT State
2. Address of Operator 105 South Fourth Street - Artesia, NM 88210	ARTESIA, OFFICE	9. Well No. 3
3. Location of Well UNIT LETTER K, 1650 FEET FROM THE South LINE AND 2310 FEET FROM THE West LINE, SECTION 21 TOWNSHIP 10S RANGE 27E NMPM.		10. Field and Pool, or Wildcat Wildcat
15. Elevation (Show whether DF, RT, GR, etc.) 3839.5' GR		12. County Chaves

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 checked="" type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	

7. 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.

We propose to move the cable tool rig off the well and move a rotary rig on the well. We will continue to drill a 7-7/8" hole to our new proposed total depth of 7200' and test the Fusselman formation. If commercial, 5-1/2" 15.5# casing will be ran and cemented with adequate cover, perforated and stimulated as needed for production.

MUD PROGRAM: Brine to 4300', starch to TD

BOP PROGRAM: BOP's will be installed on the 8-5/8" casing and tested daily.

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

SIGNED <u>Clifton R. May</u>	TITLE <u>Permit Agent</u>	DATE <u>Oct. 4, 1988</u>
APPROVED BY <u>Mike Williams</u>	TITLE <u>SUPERVISOR, DISTRICT II</u>	DATE <u>OCT 6 1988</u>

CONDITIONS OF APPROVAL, IF ANY:

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
Supersedes C-128  
Effective 1-4-85

All distances must be from the outer boundaries of the Section.

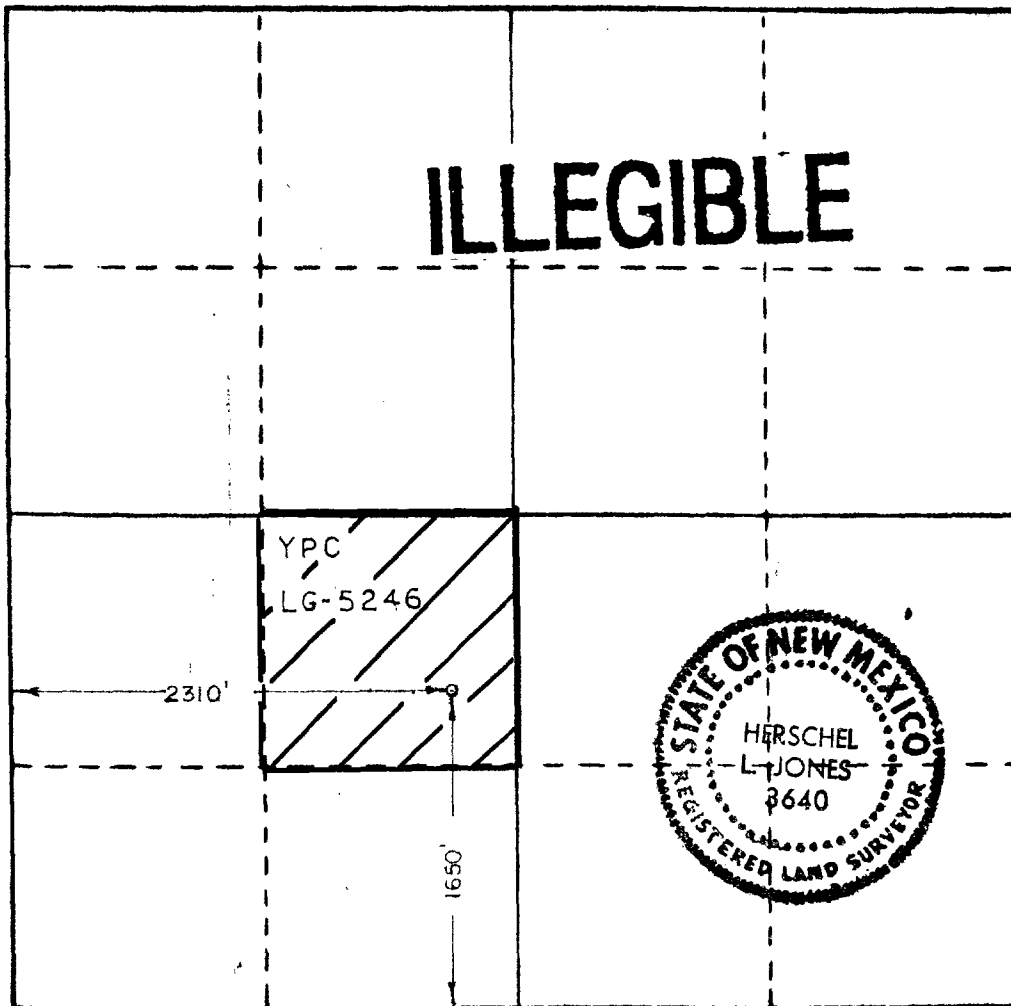
Operator <b>Yates Petroleum Corporation</b>			Lease <b>Pathfinder "AFT" State</b>		Well No. <b>3</b>
Unit Letter <b>K</b>	Section <b>21</b>	Township <b>10 South</b>	Range <b>27 East</b>	County <b>Chaves</b>	
Actual Footage Location of Well <div style="display: flex; justify-content: space-between;"> <span>1650 feet from the South line and</span> <span>2310 feet from the West line</span> </div>					
Ground Level Elev. <b>3839.5</b>	Producing Formation <b>FUSSELMAN</b>		Pool <b>WILDCAT</b>	Dedicated Acreage <b>40</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes   ☐ No   If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



**CERTIFICATION**

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

*Clifton R. May*  
Name

Clifton R. May

Position

Permit Agent

Company

Yates Petroleum Corporation

Date

October 4, 1988

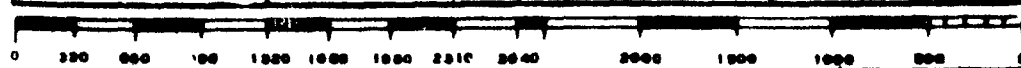
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

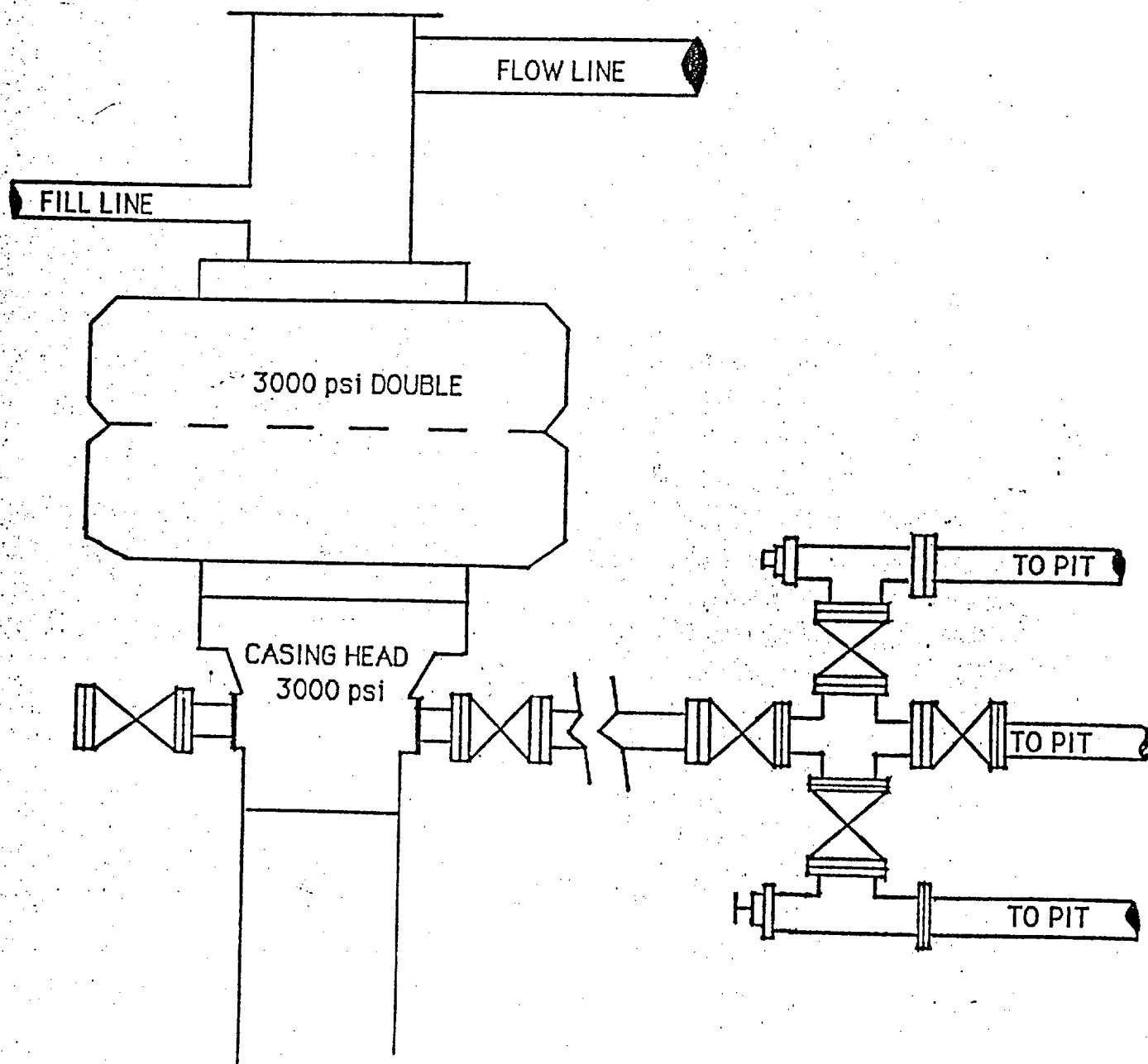
Date Surveyed

8/17/88

Registered Professional Engineer and/or Land Surveyor

*Herschel L. Jones*  
Certificate No. 3640





**BLOWOUT PREVENTER**

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

SEP 01 '88

O. C. D.

Form C-103  
Revised 10-1-79  
API #30-005-62636

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.)

ARTESIA, OFFICE

OIL WELL ☒ GAS WELL ☐ OTHER ☐  
Name of Operator  
Yates Petroleum Corporation  
Address of Operator  
105 South 4th St., Artesia, NM 88210

Location of Well  
UNIT LETTER K 1650 FEET FROM THE South LINE AND 2310 FEET FROM  
THE West LINE, SECTION 21 TOWNSHIP 10S RANGE 27E NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)  
3839.5' GR

5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>	
5. State Oil & Gas Lease No. LG 5246	
7. Unit Agreement Name	
8. Farm or Lease Name Pathfinder AFT State	
9. Well No. 3	
10. Field and Pool, or Wildcat Undes. Diablo San Andres	
12. County Chaves	

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 checked="" type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	

7. 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.

Spudded 12-1/4" hole at 10:30 AM 8-21-88 with Frank's Rathole. Notified John Robinson, NMOCD, Artesia, NM.  
Resumed drilling with cable tool 9:30 AM 8-23-88.  
Received verbal permission from Darrell Moore, NMOCD, Artesia, NM, to set 10-3/4" casing.  
Ran 6 joints 10-3/4" 40.5# J-55 casing set 245'. Texas pattern shoe set 245'.  
Mudded in and bailed hole dry. Water shut off. Drilled out and made 2', water broke through seal. Reset casing at 247'. Bailed hole dry. No water entry.

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

SIGNED Janita S. Seditt TITLE Production Supervisor DATE 8-31-88  
APPROVED BY Mike Williams TITLE SUPERVISOR, DISTRICT II DATE SEP 6 1988

CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	✓
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease
STATE <input checked="" type="checkbox"/> REC <input type="checkbox"/>
5. State Oil & Gas Lease No.
IG-5246

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

a. Type of Work

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. Type of Well

OIL WELL ☒GAS WELL ☐

OTHER

SINGLE ZONE ☐MULTIPLE ZONE ☐

Name of Operator

Yates Petroleum Corporation ✓

Address of Operator

105 South Fourth Street - Artesia, NM 88210

Location of Well

UNIT LETTER K LOCATED 1650 FEET FROM THE South LINENO 2310 FEET FROM THE West LINE OF SEC. 21 TWP. 10S RGE. 27E NMPM

7. Unit Agreement Name

8. Form or Lease Name

Pathfinder AFT State

9. Well No.

3

10. Field and Pool, or Wildcat

Undes. Diablo San Andres

12. County

Chaves

1. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	19. Proposed Depth	19A. Formation	20. Rotary or C.T.
3839.5' GR	Blanket	2200'	San Andres	Cable Tool
2. Approx. Date Work will start	21B. Drilling Contractor			
ASAP	C & J Cable Tool			

3.

## PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/2"	8-5/8"	24# J-55	Approx. 600'	300 sacks	Circulate
8"	5-1/2"	14# J-55	TD	300 sacks	

We propose to drill and test the San Andres formation. Approximately 600' of surface casing will be set and cement circulated. If commercial, production casing will be run and cemented with adequate cover, perforated and stimulated as needed for production.

APPROVAL VALID FOR 180 DAYS  
PERMIT EXPIRES 2/18/89  
UNLESS DRILLING UNDERWAY

ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTION ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Clifton R. May Title Permit Agent Date August 17, 1988  
(This space for State Use)

PROVED BY M. Williams TITLE SUPERVISOR, DISTRICT II DATE AUG 18 1988  
CONDITIONS OF APPROVAL, IF ANY:

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

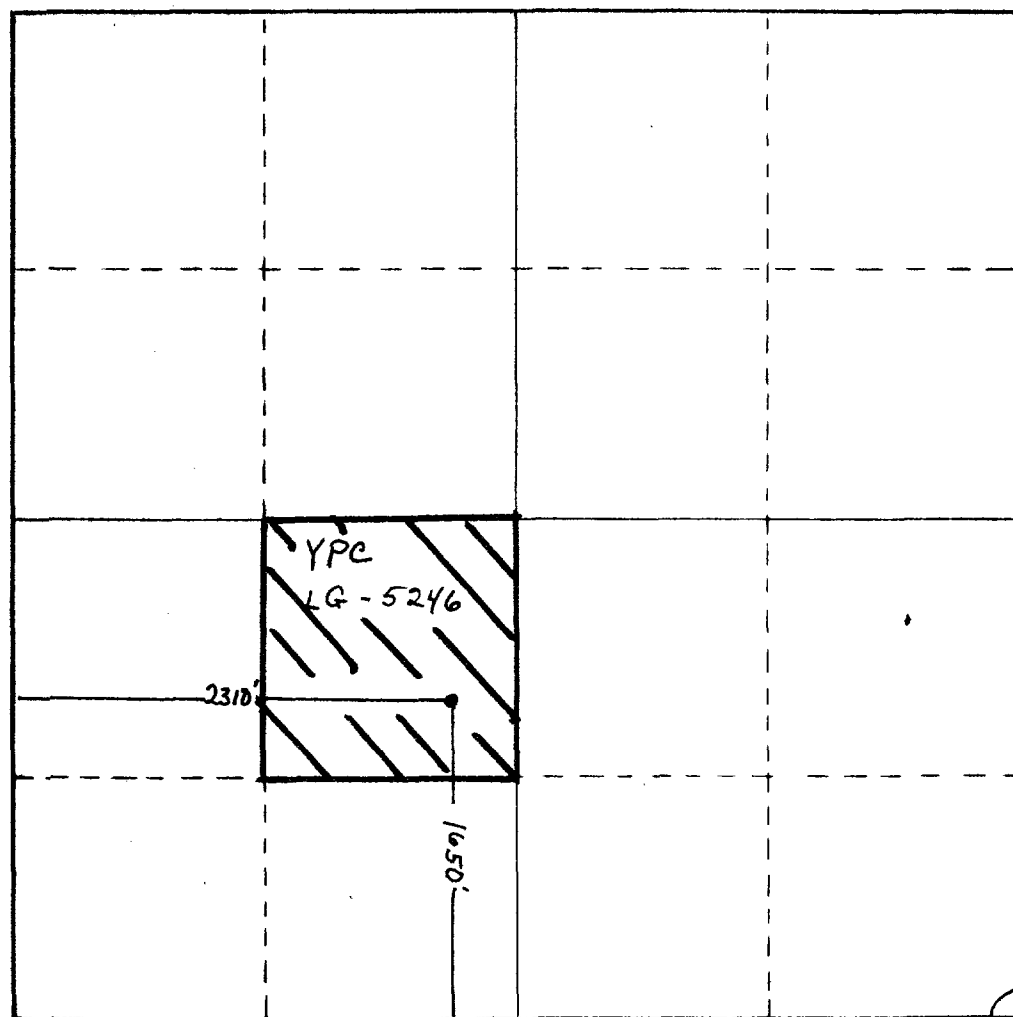
Operator <b>YATES PETROLEUM CORPORATION</b>			Lease <b>PATHFINDER AFT STATE</b>		Well No. <b>3</b>
Unit Letter <b>K</b>	Section <b>21</b>	Township <b>10S</b>	Range <b>27E</b>	County <b>CHAVES</b>	
Actual Footage Location of Well: <b>1650</b> feet from the <b>South</b> line and <b>2310</b> feet from the <b>West</b> line					
Ground Level Elev. <b>3839.5</b>	Producing Formation <b>SAN ANDRES</b>		Pool <b>UNDESIGNATE DIABLO SAN ANDRES</b>		Dedicated Acreage: <b>40</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



**CERTIFICATION**

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

*Clifton R. May*

Name  
**Clifton R. May**

Position  
**Permit Agent**

Company  
**Yates Petroleum Corporation**

Date  
**August 17, 1988**

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 knowledge and belief.

Date Surveyed  
**7-28-88**  
Herschel E. Jones  
Registered Professional Engineer  
and/or Land Surveyor  
**3640**  
Certificate No. **2640**

0 330 660 990 1320 1650 1980 2310 2640 2000 1800 1600 1400 1200 1000 800 600 400 200 0

**WRS COMPLETION REPORT**

COMPLETIONS SEC 21 TWP 10S RGE 27E  
PI# 30-T-0002 03/30/90 30-005-62636-0001 PAGE 1

NMEX CHAVES \* 1650FSL 2310FWL SEC NE SW  
STATE COUNTY FOOTAGE SPOT

YATES PET WSX WSD  
OPERATOR WELL CLASS INIT FIN

3 PATHFINDER "AFT" STATE  
WELL NO. LEASE NAME

3840GR DIABLO  
OPER ELEV FIELD POOL AREA

API 30-005-62636-0001  
PERMIT OR WELL ID NO

01/20/1990 01/24/1990 WO-UNIT VERT OIL-WO  
SPUD DATE COM DATE TYPE HOLE TYPE STATUS

6588 FUSSELMN NOT RPTD  
PROJ DEPTH PROJ FORM CONTRACTOR

DTD 6650 PB 6588 OTD 6650 FM/TD PR CMBRN  
DRILLERS TD LOG TD FDC PDC H TD OLD TD FORM TD

**LOCATION DESCRIPTION**

19 MI NE DEXTER, NM

**TUBING DATA**

TBG 2 7/8 AT 6360

**INITIAL POTENTIAL**

IPF 360BOPD 545 MCFD 18/64CK 24HRS  
FUSSELMN PERF W/ 56/IT 6386- 6415 GROSS

PERF 6386- 6392 6401- 6402 6408- 6415  
ACID 6386- 6415 500GALS

20% NEFE  
TP 950

GTY 35.0 GOR 1514  
FIELD /RESERVOIR

/FUSSELMAN  
POT BASED ON 17 HR TEST, FLWD 255 BO, 386 MCFG

FCP PKR

**PRODUCTION TEST DATA**

ORDOVICN PERF 6255- 6356  
PERF 6255- 6356

UNDG 6255- 6356

**DRILLING PROGRESS DETAILS**

YATES PET

CONTINUED IC# 300057002590

Copyrighted 1990  
Reproduction  
Prohibited

**Petroleum Information**

PI-WRS-GFT  
Form No 187

**BB** a company of  
The Dun & Bradstreet Corporation



COMPLETIONS SEC 21 TWP 10S RGE 27E  
Pl# 30-T-0002 03/30/90 30-005-62636-0001 PAGE 2

YATES PET  
3

PATHFINDER "AFT" STATE

WSX WSD

DRILLING PROGRESS DETAILS

105 S 4TH ST  
ARTESIA, NM 88210  
505-748-1471

OWWO: OLD INFO: FORMERLY YATES PET #3  
PATHFINDER AFT. ELEV 3863 KB, 3840 GR. SPUD  
8/21/88. 10 3/4 @ 245, 8 5/8 @ 622 W/300 SX,  
5 1/2 @ 6650 W/910 SX. LOG TOPS: CISCO 6044,  
MISSISSIPPIAN 6244, PRE-CAMBRIAN 6564.  
OTD 6650. PB 6588. COMP 12/2/88. IPF 3839  
MCFGPD. PROD ZONE: ORDOVICIAN 6255-6356.

03/14 LOC/1990/  
03/26 6650 TD, PB 6588  
COMP 1/24/90, IPF 360 BO, 545 MCFGPD,  
18/64 CK, GOR 1514, GTY 35,  
FTP 950, FCP PRR  
PROD ZONE FUSSELMAN 6386-6415  
FIRST REPORT & COMPLETION  
03/26 FUSSELMAN DISCOVERY - SHALLOWER POOL