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] Location - Spacing Unit - Simultaneous Dedication NSL NSP SD Check One Only for [B] or [C] Commingling - Storage - Measurement ☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ [C]Injection - Disposal - Pressure Increase - Enhanced Oil Recovery WFX PMX SWD IPI EOR PPR
 PR [D] Other: Specify NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Ooes Not Apply [2] Working, Royalty or Overriding Royalty Interest Owners [A] [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 SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE [3] 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. Signature Sullick

e-mail Address

MARTIN YATES, III 1912 - 1985 FRANK W. YATES 1936 - 1986



S. P. YATES
CHAIRMAN OF THE BOARD
JOHN A. YATES
PRESIDENT
PEYTON YATES
EXECUTIVE VICE PRESIDENT
RANDY G. PATTERSON
SECRETARY

DENNIS G. KINSEY

105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210-2118

TELEPHONE (505) 748-1471

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 1J 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 <u>ALL</u> of Section 21, <u>Township 10 South</u>, <u>Range 27 East</u>, 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

other But lake

Robert Bullock Landman

RB/dlr

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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

May 7, 2002

State of New Mexico Energy Minerals and Natural Resources

Form C-101 Revised March 17, 1999

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe. NM 87505 Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

Fee Lease - 5 Copies District IV Santa Fe, NM 87505 1220 S. St. Francis Dr., Santa Fe, NM 87505 AMENDED REPORT APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE Operator Name and Address OGRID Number Yates Petroleum Corporation 025575 API Number 105 South Fourth Street 30-005-62636 Artesia, NM 88210 Property Name Property Code Well No 012626 Pathfinder AFT State #3 ⁷ Surface Location UL or lot no. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County K 21 105 27E 1650 South 2310 West Chaves ⁸ Proposed Bottom Hole Location If Different From Surface Range Lot Idn Feet from the North/South line East/West line UL or lot no. Section Township Feet from the County 9 Proposed Pool 1 10 Proposed Pool 2 Undes. Diablo Pennsylvanian Gas 11 Work Type Code 12 Well Type Code 13 Cable/Rotary 14 Lease Type Code 15 Ground Level Elevation **3840'** 20 Spud Date G N/A S 19 Contractor 16 Multiple 17 Proposed Depth N PBTD 6240' Strawn Not Determined **ASAP** ²¹ Proposed Casing and Cement Program Casing weight/foot Hole Size Casing Size Setting Depth Sacks of Cement Estimated TOC 12-1/4" 8-5/8" 24# 622' In place surface 7-7/8" 5-1/2" 15.5# 6650" In place 5142' CBL 22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary. Propose to 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. ²³ I hereby certify that the information given above is true and complete to the OIL CONSERVATION DIVISION best of my knowledge and belief. Approved by: Signature: Printed name: Susan Herpin Title: Approval Date: Title: Engineering Technician Expiration Date: Date: Phone: Conditions of Approval:

Attached

505-748-1471

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

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

1220 S. St. Francis Dr., Santa Fe, NM 87505 · AMENDED REPORT WELL LOCATION AND ACREAGE DEDICATION PLAT 1 API Number Pool Code 30-005-62636 Undes. Diablo Pennsylvanian Gas 5 Property Name Well Number ⁴ Property Code Pathfinder AFT State 012626 #3 1 Operator Name OGRID No. ⁹ Elevation Yates Petroleum Corporation 025575 3840' ¹⁰ Surface Location Lot Idn Feet from the North/South line East/West line Feet from the UL or lot no. Section Township Range County 27E 1650 K 21 105 South 2310 West Chaves Bottom Hole Location If Different From Surface Lot Idn Feet from the North/South line Feet from the East/West line UL or lot no. Section Township Range County ⁴ Consolidation Code 15 Order No. 12 Dedicated Acres Joint or Infill 320 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 ¹⁷ OPERATOR CERTIFICATION hereby certify that the information contained herein is true and complete to the best of my knowledge and Susan Herpin **Engineering Technician** 18SURVEYOR CERTIFICATION LG-5246 hereby certify that the well location shown on this plat vas plotted from field notes of actual surveys made by ne or under my supervision, and that the same is true 2310' and correct to the best of my belief. Date of Survey Signature and Seal of Professional Surveyor: 1650 See Original Plat Centificate Number

Page: 1 Document Name: untitled

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Sec : 21 Twp : 10S Rng : 27E

Section Type : NORMAL

-2/02 08:51:20 OGOMES -TQIX PAGE NO: 1

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ONGARD

CMD : OG6IWCM INQUIRE WELL COMPLETIONS 06/12/02 08:51:38 OGOMES - TQIX

API Well No: 5 62636 Eff Date : 04-13-1994 WC Status

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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)

Lot Identifier: B.H. Locn 108 27E FTG 1650 F S FTG 2310 F Σ

 \triangleright

Dedicated Acre: 80.00

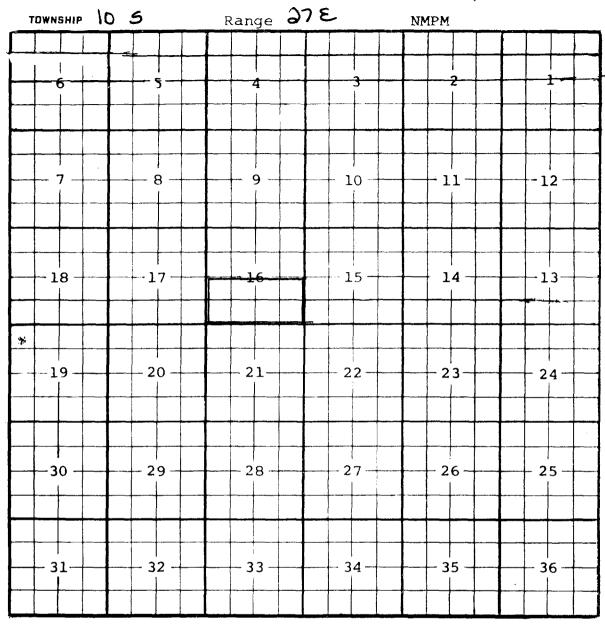
Lease Type

Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

M0025: Enter PF keys to scroll

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

Date: 6/12/2002 Time: 08:52:49 AM



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Form C-104
Revised February 10, 1994
Instructions on back

District I
PO Box 1986, Hobbs, NM 28241-1986

District II

District II

Previous Operator Signature

| PO Drawer DD, District III | | | - | OIL CONSE | 10 D | 2000 | | NC | Subm | it to App | ropria | ate District Office 5 Copies |
|--|--------------------|------------------------|--------------------------|----------------------|---|------------------|-------------|--|--|---------------------|-------------|------------------------------|
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| Printed name: | Rus | tyKlei | <u> </u> | | *************************************** | Title: | | | | | | |
| Title: | | | Technici | ian | T | Appro | oval Date: | 1 | EEB - 4 19 | 197 | | |
| Date: Jan | n. 29, | | | 505-748-1 | 471 | | | | | <u> </u> | | |
| | | | in the OGRID v | number and name | e of the pre- | rious ope | crator | | | | | |
| 1 | | | | | | | | | | | | |

Printed Name

Title

Date

District I PO Box 1988, Hobbs, NM 22241-1986 District II

March.

Form C-104

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

Revised February 10, 1994

Instructions on back
Submit to Appropriate District Office

Date: Jan. 29, 1997

Previous Operator Signature

Phone: 505-748-1471

Printed Name

Title

Date

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

| District III 1000 Rio Brazos | | NM 87410 | U | F Santa F | PO Box Se, NM S | 2088 | | | | | 5 Copies | |
|--------------------------------|------------------------|----------------|-----------------------|---------------------------------------|-----------------|----------|---------------|-------------|---------------------------------------|---------------------------------------|--|--|
| District IV PO Box 2008, Se | inta Fe, NM | 87504-2068 | TOD A | | | | · | , | | | ENDED REPORT | |
| I | RI | EQUES I | | LLUWAB | | AU | THORE | ZAII | ON TO TR | OGRID Numb | | |
| Yates | Petrole | um Corp | poration | | | | | | | 025575 | | |
| • | uth Fou | | reet | | | | | Ţ | , | Reason for Filing | Code | |
| Artesi | a, NM | 88210 | | | | | | ļ | CG - e | ffective | 10-1-95 | |
| 'A | Pl Number | | | | ' Pc | oi Name | t | | · · · · · · · · · · · · · · · · · · · | | Pool Code | |
| 30 - 0 05- | | | Diablo | Fusselma | | | | · | · · · · · · · · · · · · · · · · · · · | | 17625 | |
| | operty Code | | | | • | perty Na | m 4 | | | '" | di Number | |
| 01262 | | . nastian | | nder AFT | State | | | | | | 3 | |
| II. 10 S | Surface I | Township | Range | Lot.ldn | Feet from t | he | North/See | th Line | Feet from the | East/West fine | Consty | |
| K | 21 | 10S | 27E | | 165 | 0 | 5 | 1 | 2310 | w | Chaves | |
| 11] | Bottom I | Hole Loc | | <u></u> | | | | | | | <u> </u> | |
| UL or lot me. | Section | Township | Range | Lot lda | Feet from | Une | North/Sou | th line | Feet from the | East/West Lac | County | |
| 13 Lee Code | 13 Producis | Method C | ode 14 Gas | Connection Dat | 1 C-1 | 29 Perm | it Number | 1 | C-129 Effective I | Date 17 C- | 129 Expiration Date | |
| S | | F | | | } | | | | | | | |
| III. Oil a | nd Gas | Transpor | rters | | | | | | | | | |
| Transpo | | ŀ | Transporter | | | " PO | D | 11 O/G | 7 | POD ULSTR L | · · · · · · · · · · · · · · · · · · · | |
| | | oco P/I | Int. T | rucking | 2 | 80582 | 25 | 0 | Unit K - | Section 2 | 1-T10S-R27E | |
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| 147001 | Ag | ave Ene | ergy Co. | | | 00700 | 20 | 0 | Unit K - | Section 2 | 1-T10S-R27E | |
| 147831 105 South Fourth Street | | | | | | 80798 | 38 | G | ii. | | | |
| Artesia, NM 88210 | | | | | | <u> </u> | | | | · · · · · · · · · · · · · · · · · · · | | |
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| IV. Prod | | ater | | ··· | | | - | | | | | |
| | rob | 1 | | | | | LSTR Locati | ion and l | Description | | | |
| V. Well | | | | ection 2 | I-TIOS- | R2/E | | | | | ************************************** | |
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| | Test D | | | | | | | | | | | |
| Date | New Oil | " Gas | Delivery Date | - 1 | est Date | | " Test Les | oguh | " Thg. P | Tessu re | " Cag. Pressure | |
| " Cho | ke Size | | " Oil | 4 | Water | | a G⊷ | | | OF | 4 Test Method | |
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| knowledge an | | NI BIACII SDOA | e is u'ue and co | mpicae to the bei | n or my | | 01 2 | L.CC | ONSERVAT | TON DIAL | PION | |
| Signature: | Kus | te I | Sein | <u></u> | | Appro | vod by: | | مرب م | w. | | |
| Printed name: | Rust | y Kleir | 1 | | | Title: | resu | us = | 2/4/9 | | | |
| Title: | Opera | ations | Technic | i <i>a</i> n | | Appro | vai Date: | | 2/1/9 | `つ | | |

| mit 3 Copies ppropriate not Office mit 3 Copies Energy, Minerals and Natural Resolution | |
|---|--|
| TRICT I Box 1980, Hobbs, NM 88240 P.O. Box 208 | 8 |
| TRICT II Santa Fe, New Mexico | 5. Indicate Type of Lease |
| TRICT III 3 Rio Brazos Rd., Aztec, NM 87410 | 6. State Oil & Gas Lease No. LG 5246 |
| SUNDRY NOTICES AND REPORTS ON WEL | |
| O NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN DIFFERENT RESERVOIR. USE "APPLICATION FOR PEF (FORM C-101) FOR SUCH PROPOSALS.) | OR PLUG BACK TO A 7. Lease Name or Unit Agreement Name |
| Type of Well: OIL, GAS WELL X OTHER | Pathfinder AFT State |
| Name of Operator ATES PETROLEUM CORPORATION | 8. Well No. |
| Address of Operator | C. D. 3 9. Pool name or Wildcat |
| 05 South 4th St., Artesia, NM 88210 | Diablo Fusselman Associated |
| Well Location | |
| Unit Letter K: 1650 Feet From The South | Line and 2310 Feet From The West Line |
| Section 21 Township 10S Rea | 27E NMPM Chaves County |
| Section 21 Township 108 Rail 10. Elevation (Show whether I | DF, RKB, RT, GR, etc.) |
| Check Appropriate Box to Indicate N | Nature of Notice, Report, or Other Data |
| NOTICE OF INTENTION TO: | SUBSEQUENT REPORT OF: |
| REFORM REMEDIAL WORK PLUG AND ABANDON | REMEDIAL WORK ALTERING CASING |
| APORARILY ABANDON CHANGE PLANS | COMMENCE DRILLING OPNS. PLUG AND ABANDONMENT |
| L OR ALTER CASING | CASING TEST AND CEMENT JOB |
| 4ER: | OTHER: Acidize existing sand jet cuts |
| . Describe Proposed or Completed Operations (Clearly state all pertinent details, an work) SEE RULE 1103. | d give pertinent dates, including estimated date of starting any proposed |
| 12-3-92. Acidized existing jet holes 6255' a Flowed back load. | and 6278' w/1500 gals 7½% NEFE acid. |
| | 6255' and 6278' $\text{w}/3000$ gals $7\frac{1}{2}\%$ NEFE acid + 250# on. |
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| knowledge and belief. | |
|----------------------------|------------------------------------|
| TIME Production Supervisor | DATE12-22-92 |
| | ТЕГЕРНО ВЕ NO. 505/748-1471 |
| | |
| SUPERVISOR, DISTRICT II | DEC 3 0 1992 |
| | TIME Production Supervisor |

CONDITIONS OF APPROVAL, IF ANY:

74 DIA12

Energy, Minerals and Natural Resources Department Form C-103 ubmit 3 Copies Appropriate Revised 1-1-89 , CONSERVATION DIVISION WELL API NO. O. Box 1980, Hobbs, NM 88240 P.O. Box 2088 30-005-62636 Santa Fe, New Mexico 87504-2088, 5. Indicate Type of Lease O. Drawer DD, Artesia, NM 88210 STATEX FEE ISTRICT III 000 Rio Brazos Rd., Aztec, NM 87410 6. State Oil & Gas Lease No. 1992 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 7. Lease Name or Unit Agreement Name DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) Pathfinder AFT State Type of Well: GAS WELL X OIL WELL OTHER WORKOVER Name of Operator 8. Well No. YATES PETROLEUM CORPORATION Address of Operator 9. Pool name or Wildcat Diablo Fusselman Associated 105 South 4th St., Artesia, NM Well Location 1650 Feet From The South 2310 West Unit Letter . Line and Feet From The Line 10S 27E Chaves Township NMPM Range 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: SUBSEQUENT REPORT OF: RFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK **ALTERING CASING IMPORARILY ABANDON** CHANGE PLANS COMMENCE DRILLING OPNS. PLUG AND ABANDONMENT JLL OR ALTER CASING CASING TEST AND CEMENT JOB OTHER: CHANGE WELL STATUS TO GAS WELL THER: 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. l1-17-92. 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 $\rm w/$ cubing, scraper and bit. Set retainer at 6375'. Squeeze perfs 6386-6415'. Sting into retainer at 5375'. 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. rilled out retainer at 6230'. Drilled cement to 6310'. TIH w/sand jet tool and sand jet holes is 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 :leaned up and flowed 275 psi on 3/8" choke = 975 mcfgpd, no water and no condensate.

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

CONDITIONS OF APPROVAL, IF ANY:

| I hereby certify that the infor | mation above is true and complete to the best of my kn | owledge and bel | ief. | | |
|---------------------------------|--|-----------------|-------------------------|----------|---------------------|
| SIGNATURE L'AN | ita Dodlett | TTILE | Production Supervisor | _ DATE _ | 11-25-92 |
| TYPE OR PRINT NAME | Juanita Goodlett | | | TELEPHO | NE NO. 505/748-1471 |
| (This apace for State Use) | | | SUPERVISOR, DISTRICT II | | DEC 3 0 1992 |
| APPROVED BY | he William | TTILE | SUPERVISOR, DISTRICT II | _ DATE | DEC 9 0 1932 |

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

ON DIVISION CONSERVATION DIVISION

P.O. Box 2088

RECEIVED

| DISTRICT II P.O. Drawer DD Aite (1911) | 88210 |
|---|-------|
| | RE! |

Santa Fe, New Mexico 87504-2088

SEP 2.8 1992

| DISTRICT III 1000 Rio Brazos Rd., Azzec, NM 87410 1. 92 00 | am peo ti | ACT EC | וא סר | | ARI E AND | ALITHORI | ZATION | N 0 1332 | | |
|---|--|---------------------|------------------|-------------|-----------------------------|--------------------|----------------|-------------------------------------|-------------|------------------|
| ı. '92 00° h | JUDGOO | TO TRA | NSP(| ORT O | IL AND NA | TURAL G | AS ANTES | C. D. | | |
| Operator YATES PETROLEUM CO | · · · · · · · · · · · · · · · · · · · | | | | | | Well | api no. -005–62636 | | |
| Address 105 South 4th St., | Artosi | o NM | 8821 | 10 | | | _ | | | |
| Reason(s) for Filing (Check proper box) | Artesia | a, Mri | 0021 | 1.0 | X Oth | er (Please expl | lain) | | | |
| New Well | | Change in | Transpo | orter of: | G-2.4 | • | - | R EFFECTI | VE 10- | 1-92. |
| Recompletion | Oil | | Dry Ga | _ | CORREC | CT GAS TE | RANSPORT | ER. | | |
| Change in Operator | Casinghea | d Gas | Conden | nsate | | | | | | |
| If change of operator give name and address of previous operator | | | | | | | | | | |
| II. DESCRIPTION OF WELL | AND LEA | ASE | | | | | | | | |
| Lease Name PATHFINDER AFT STATE | | Well No. | | | uding Formation USSELMAN | ASSOCIAT | | of Lease Fødetål/of Fee/ | | ease No. 5246 |
| Location | 1650 | | | | a 1 | 0 | 010 | | | |
| Unit Letter K | <u>: 1650</u> | | Feet Fn | rom The _ | South Lin | e and $\frac{2}{}$ | 310 F | eet From The | West | Line |
| Section 21 Township | p 10S | | Range | 27E | , N | мрм, | C | haves | | County |
| III. DESIGNATION OF TRAN Name of Authorized Transporter of Oil | | | | D NAT | | us address to w | bish summan | | | |
| Amoco Pipeline Intêrco | XX orporat | or Conden e Truc | | | | | | l copy of this form evelland, | | - |
| Name of Authorized Transporter of Casing | | [XX] | or Dry | Gas | | | | l copy of this forn | | |
| Yates Petroleum Corpor | ration | | _ | | | | St., Ar | tesia, NM | 88210 | |
| If well produces oil or liquids, give location of tanks. | Unit K | Sec. 21 | Twp. | Rg | e. Is gas actual! YES | y connected? | When | 1? -9 - 90 | | |
| If this production is commingled with that i | from any oth | er lease or p | pool, giv | L | ngling order num | ber: | | | * | |
| IV. COMPLETION DATA | | | | | | | | | | |
| Designate Type of Completion | - (X) | Oil Well | (| Gas Well | New Well | Workover | Deepen | Plug Back Sa | me Res'v | Diff Res'v |
| Date Spudded | Date Comp | l. Ready to | Prod. | | Total Depth | <u> </u> | 1 | P.B.T.D. | | |
| Classican /DE DED DT CD etc.) | Name of Pr | ndusina Es | | | Top Oil/Gas | Pav | | mu: p a | | |
| Elevations (DF, RKB, RT, GR, etc.) | Name of Fi | oducing ro | HIRAGOU | | Top Oil Oil | , | | Tubing Depth | | |
| Perforations | ************************************* | | | | | | | Depth Casing S | ihoe | |
| | | UBING. | CASII | NG AN | D CEMENTI | NG RECOR | ND . | <u> </u> | | |
| HOLE SIZE | | SING & TU | | | | DEPTH SET | | SA | CKS CEM | ENT |
| | ļ | | | | | | | | <u> </u> | |
| | | .,, | | | | | | | | |
| | | | | | | | | | | |
| V. TEST DATA AND REQUES OIL WELL (Test must be after re | | | | سد ادسم الم | and he control to on | s areand top all | awable for thi | is denth on he for | 6.11 24 hav | 1 |
| Date First New Oil Run To Tank | Date of Tes | | oj ioda c | ou ana mi | | ethod (Flow, pi | | | Juli 24 Hou | 73.) |
| | | | | | | | | 100 1 00 | · | |
| Length of Test | Tubing Pres | ssure | | | Casing Press | ure | | Choke Size | | |
| Actual Prod. During Test | Oil - Bbls. | | <u></u> | | Water - Bbis | * | | Gas- MCF | | |
| GAS WELL | <u></u> | | | | | | | | | |
| Actual Prod. Test - MCF/D | Length of T | rest . | | | Bbls. Conder | nsate/MMCF | | Gravity of Con | densate | |
| Testing Method (pitot, back pr.) | Tubing Pre | ssure (Shut | -in) | | Casing Press | ure (Shut-in) | | Choke Size | | |
| VI. OPERATOR CERTIFIC | | | | NCE | | | USED!/ | ATION D | IVICIO |)NI |
| I hereby certify that the rules and regular Division have been complied with and | | | | e | ' | | TOLITY. | ATIOND | IVIOIC | 71 N |
| is true and complete to the best of my k | | | | | Date | e Approve | ed SE | P 2 9 199 | 2 | <u></u> |
| Suanita () | Sa. | MII | Z. | | | | | Man | _ | |
| Signature Juanita Goodlett - | Product | tion Su | upvr. | • | By_ | [h.f. | | e coepa | ~~ | |
| Printed Name | ··· <u>······</u> | | Title | | Title | SUPE | RVISOR | DISTRICT | и | |
| 9-24-92 Date | (5) | | 8-147 phone N | | | | | · · · · · · · · · · · · · · · · · · | | |

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) Senarate Form C-104 must be filed for each pool in multiply completed wells.

OIL CONSERVATION COMMISSION REC: VED NEW MEXICO OIL CONSERVATION COMMISSION MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

191 NOT 18 AM 10 31

RECEIVED

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| Type Test | | _ | | | Test Da | | IN. | 0V 1 4 | וככו | |
| [x] Initial | [] Anr | lua! Connec | | Special | 2/20/90 | <u>'</u> | | 0. c. | 0. | |
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| Pool | orporación | Format | ion | ripelin | e compar | <u>'Υ</u> | Unit | | | |
| Fusselman | | Diablo | | | | | 01114 | | | |
| Completion Date | Total Dept | | | ack TD | Elevati | on | Farm | or Lea | ise h | lame |
| 1/24/90 | | 5650.01 | _ | 6588.01 | 1 | | | inder | | |
| Csg Size Wt. | | ≘t At | At Perforations: | | | | | No. | | |
| 5.500 <u>"</u> 14.000# | | | | 6386.0′ | To 641 | 5.07 | 3 | | | |
| | | et At | Perfora | | | | Unit | | wp | Rge |
| 2.875" 6.500# | 2.441" 6 | 5360.0′ | From | 0.01 | | 0.04 | | | <u>0S</u> | 27E |
| Type Well | | | | Packer | | / | Count | | | |
| Single | T OF | M | O.E. | D D | | | Chave | | | |
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| Tubing 15: | Gq 8198 | %002 | 2N2 | ! %H2 | | | | r Run | Tana | |
| 6360.0′ 6360.0° | | 2.3 | | 1.99 | | 000' 3.000' | | .000" | Flar | |
| | OW DATA | <u> </u> | | TUBING | DATA | | SING D | | | ation |
| NO Prover Orifice | | Diff. | Temp. | Press. | | | | emp. | | _v.o ⊃f |
| Size X Size | | hw | ٥F | psig | °F | psi | | °F | | low |
| SI 0.000 X 0.000 | | 9.0 | 44 | 246 | | | 9 | Ø | | hrs. |
| 1. 2.067 X .509 | | 12.0 | 43 | | | | 0 | Ø | | hrs. |
| 2. 2.067 X .500 | | 13.7 | 41 | 140 | 8 62 | | 0 | 0 | | hrs. |
| 3. 2.067 X .500 | 520 | 21.7 | 44 | 122 | 4 62 | | 0 | 0 | 24 | hrs. |
| 4. 2.067 X .500 | | 30.0 | 45 | | | | 0 | 0 | | hrs. |
| 5. 0.000 X 0.000 | a <u> </u> | 0.0 | 9 | | 0 0 | | 0 | Ø | 0 | hrs. |
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| Coefficient | ∠hwPm | Pressur | I | | Factor | | | Rate | | |
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| 4. 1.189 | 126.48 | 533.2 | | .015 | 1.150 | | 1.078 | | | 189 |
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| 479 505 | 1.27 | <u>.861</u> Cr | itical ' | Temperat | une | 39 | <u>97.9</u> °R | 티 | 468 | <u>3.1</u> °R |
| 5. 0.00 0 | , - | .000 | | · · · · · · · · · · · · · · · · · · · | | | | | | |
| Pc 2481.2 Pc2 61 | | a _ | ^ | | | Г | _ ^ | ٦n | . <u>-</u> - | |
| NO Pt ² Pw | Pw2 Pc | |) <u>Pc2</u> B 3 = | <u> =1.</u> | 0829 | (2) _ | Pc ² | - = | 1.06 | <u> </u> |
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| 2. 2019.8 1421.2 | 1500 0 40 | 35.3 35.5 00' | [| n_。 ٦٣ | | L 1 M.A | _ | _ | | |
| 3. 1530.7 1237.3 4. 508.7 713.4 | 500 0 52 | 23.3 NO | - ~ ₌ | -9-5-2 | = | 1 11010 | <u> </u> | | | |
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| Approved By: | | cted By | Y R | Calcula | ted By: | | Check | ed By: | | ····· |
| | Paul | Hanes | | | Carpent | | <u> </u> | | | |
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Adopted 9-1-65

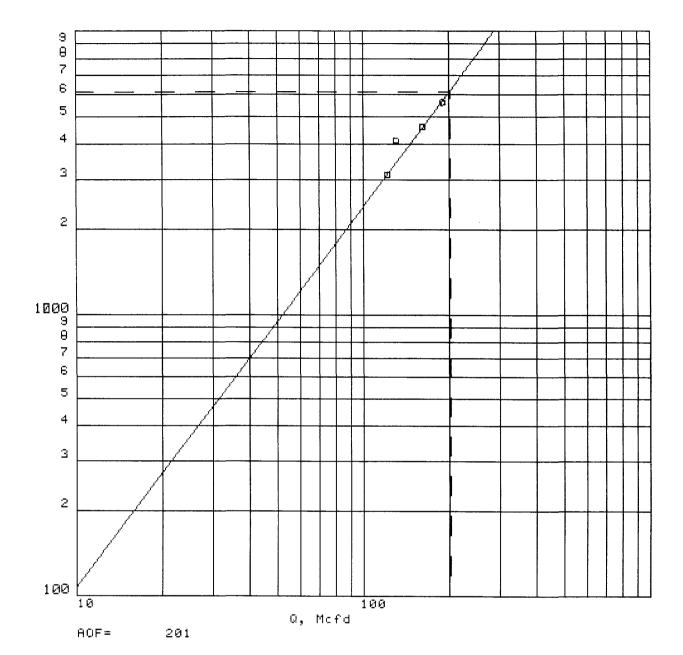
DATE <u>10/30/91</u>

| COMPANY <u>Yates Petroleu</u> | m Corporation LEASE | Pathfinder AFT St. | WELL NO. 3 | _ |
|-----------------------------------|------------------------------------|------------------------|-----------------------|----|
| LOCATION: Unit <u>K</u> | Section 21 | Township 108 | Range 27E | |
| L <u>6360.0</u> H <u>6360.0</u> L | /H <u>1.000</u> G <u>.96</u> | 9 %CO2 <u>2.39</u> %N2 | 1.99 %H2S <u>0.0</u> | 12 |
| d <u>2.441</u> F | r <u>.010495</u> GH <u>6161.</u> : | <u>3</u> Pcr | 666.1 Tor <u>468.</u> | 1 |

| LINE | ist 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 eS(Table XIV) | 2.099 | 2.159 | 2.128 | 1.752 | 0.000 |
| 9 1-e-S(Table XIV) | .524 | .537 | .530 | .429 | 0.000 |
| 10 Pt | 1744.2 | 1421.2 | 1237.2 | 713.2 | 0.0 |
| 11 Pt2/1000 | 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) ² | .157 | .168 | .268 | .669 | 0.000 |
| 16 Fw=L/H(FcQm)2(1-e-s) | .082 | .090 | .142 | .287 | 0.000 |
| 17 Pw2=Pt2+Fw | 3042.3 | 2019.9 | 1530.8 | 508.9 | 0.0 |
| 18 Ps2=espw2 | 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 |

Chaves

10/30/91



Pc²-Pu², THOLISANDS

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

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

State of New Mexico Energy, Minerals and Natural Resources Department

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

OIL CONSERVATION DIVISION

P.O. Box 2088

| | , | | Sar | nta Fe, | New Me | xico 875 | 504-20 | 88 | | | | |
|---|---|-------------|--------------|-----------|------------|--------------|-----------|-------------|-----------------|---------------------|-----------------|-------------|
| <u>DISTRICT III</u> 1000 Ria Brazos Rd., A: | ziec. NM 87410 | | | | | | | | | | | |
| | | | JEST FC | | | | | | | | | |
| l. | | | TO TRA | NSPO | ORT OIL | AND N | ATUR | AL GA | | | · | |
| Operator | IMPOT PURE CO. | DD0114m | T 011 | | | | | | Well A | .ri no. -005-626 | 26 | |
| | TROLEUM CO | RPORAT | ION | | | | | | 30. | -003-626 | 0.50 | |
| Address | / L1 0 L | A A | - 1774 | 0001 | ^ | | / | | | | | |
| | 4th St., | Artesi | a, NM | 8821 | .0 | (FE) A | / | | | | | |
| Reason(s) for Filing (Ch | ueck proper box) | | _ | | | X Ø | ther (Ple | ase explai | 1) | | | |
| New Well | 片 | 0" | Change in : | | | | | | | _ | | |
| Recompletion | H | Oil | | Dry Gar | | EF | FECT. | IVE DA | TE: J | anuary 1 | ., 1991 | |
| Change in Operator | | Casinghea | d Gas | Conden | sale | | | | | | | |
| If change of operator given address of previous | e name operator | | | | | | | | | | | |
| - | | ANID FE | A CYP | | | | | | | | | • |
| II. DESCRIPTIO | N OF WELL F | AND LEA | | Dool No | me Includi | ng Formation | | | Kind o | f Lease | 1 | ease No. |
| Pathfinder | AFT State | | 3 | ł | | sselman | | | | Pederal pr/Fee | | |
| Location | ATT DEALE | | | Dia | DIO Fu | SETMAN | | | | (1111111 | | 240 |
| | TZ | 1650 | 1 | | C | | | 2216 | | | | |
| Unit Letter _ | K | : 1650 |) | Feet Fro | om The So | outh L | ine and . | 2310 | Fe | et From The _ | West | Line |
| Cartian | 21 Township | . 10s | | n | 27E | 1 | NMPM, | | | Chaves | | 0 |
| Section | rownsnip | | | Range | | L | NMPM, | | | Onaves | · | County |
| III. DESIGNATIO | ON OF TRANS | SPADTE | ነጋ ላይ ላነ | I A NJ | n Natii | DAT. GAG | 2 | | | | | |
| Name of Authorized Tr | | SIONIE | or Conden | | | | | ess to whi | ch approved | copy of this fo | orm is to be s | ent) |
| Western Oil | - | ation (| | | \square | 1 | | | | TX 77 | | • |
| Name of Authorized Tr | | | | | Gas X | | | | | copy of this fo | | |
| Transwester | - | | L | J. 2., | ريما | | | | | TX 770 | | |
| If well produces oil or I | | Unit | Sec. | Twp. | Rge. | Is gas actu | | | When | | .01 | |
| give location of tanks. | | K | 21 | 10s | | Yes | • | | • | 9-90 | | |
| If this production is com | mingled with that f | rom any oth | ner lease or | pool, giv | e comming! | ing order nu | mber: | | | | | |
| IV. COMPLETIC | | | • | | _ | _ | | | | | ····· | |
| | | | Oil Well | 1 | Gas Well | New We | II Wo | kover | Deepen | Plug Back | Same Res'v | Diff Res'v |
| Designate Type | of Completion - | - (X) | 1 | _ İ | | İ | İ | | - | | İ | İ |
| Date Spudded | | Date Com | pl. Ready to | Prod. | | Total Dept | h | | | P.B.T.D. | | |
| | | | | | | | | | | RECE | VED | _ |
| Elevations (DF, RKB, R | RT, GR, etc.) | Name of P | roducing Fo | rmation | | Top Oil/Ga | a Pay | | | Tubing Dep | | |
| | | | | | | <u> </u> | | | | | | |
| Perforations | | | | | | | | | | Depth Casia | 8 Ant 90 | |
| | | | | | | , | | | | DLO . | F - 1 | |
| | | 7 | rubing, | CASI | NG AND | CEMEN | TING F | RECORI |) | | c 0. | |
| HOLE S | IZE | CA | SING & TU | JBING S | SIZE | | DEP | TH SET | | 0. | SACKS CEM | ENT |
| | | | | | | | | | | ARTES | M, O, 1,00 | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| V. TEST DATA | | | | | | | | | | | | |
| OIL WELL (| <mark>Test mus</mark> t be after re | | | | | | | | | | for full 24 hoi | us.) |
| Date First New Oil Rus | n To Tank | Date of Te | est | | | Producing | Method | (Flow, pur | np, gas lift, i | itc.) | | |

Actual Prod. During Test

Length of Test

Date

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

Casing Pressure

Water - Bbis.

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 two and complete to the best of my knowledge and belief

| is true and complete to me pest of it | ly knowledge and belief. |
|---------------------------------------|--------------------------|
| Junita Goo | Soft OLG |
| Juanita Goodlett | |
| Printed Name 12-14-90 | Title (505) 748–1471 |

OIL CONSERVATION DIVISION

Choke Size

Gas- MCF

Date Approved mike Welliam

SUPERVISOR, DISTRICT II Title.

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

Tubing Pressure

Oil - Bbls.

- 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.

Telephone No.

- 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

State of New Mexico Energy, Minerals and Natural Resources Department

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

| 1.0. 50%, 1700, 12000, 1447, 002, 10 | OIL CONSERVATION DIVIS | ION |
|---|---------------------------------|-----|
| DISTRICT II P.O. Drawer DD, Anesia, NM 88210 | P.O. Box 2088 | |
| בוביים ביים ביים ביים ביים ביים ביים בי | Santa Ea Navy Marian 97504 2099 | |

MAR 15 '90

| P.O. Drawer DD, Artesia, NM 88210 |) | | | 07.50 | 4 2000 | | | | |
|---|---------------------|------------------|--------------------------------|----------------|------------------|------------------|-----------------------------------|-----------------|------------------|
| DISTRICT III 'QA (1) 1000 Rio Brazos Rd., Aztec, NM 87 | | 11127 | Fe, New Me | | | | D. C. D. Esia, cipti ci | Ę | |
| I. | | | SPORT OIL | | | | • | | |
| Operator | | / | | | | Well A | PI No. | | |
| YATES PETROLEUM | CORPORAT | ION / | | | | 30 | -005-62 | 636 | |
| Address 105 South 4th St | ., Artesi | a, NM 8 | 8210 | | | | | | |
| Reason(s) for Filing (Check proper b | ox) | | | Oth | er (Please explo | zin) | | | |
| New Well Recompletion | Oil | Change in Tra | nsporter of: y Gas | Casi | inghead g | gas conn | ection. | | |
| Change in Operator | Casinghea | · · · · · | ndensate | | | | | | |
| If change of operator give name and address of previous operator | | | | | | | | | |
| II. DESCRIPTION OF WE | LL AND LEA | ASE |) in the | Fund | man | R924 | 4 | | |
| Lease Name Pathfinder AFT Stat | | Well No. Po | ol Name, Includi d - Silure | | _ | Kind o | of Lease Fjedetal dr/Fje | | ease No. 5246 |
| Location | | 1 | | | | | | | ···· |
| Unit Letter K | . 165 | 0 Fee | et From The _S | outh Lin | and 2310 |) Fe | et From The | West | Line |
| Section 21 Tov | vnship 10S | Ra | nge 27E | . , N | мРМ, | | Chaves | | County |
| III. DESIGNATION OF TR | RANSPORTE | R OF OIL | AND NATU | RAL GAS | | | | | |
| Name of Authorized Transporter of (| | or Condensate | | | e address to wh | uch approved | copy of this fo | orm is to be se | eni) |
| Navajo Refg. Co. | | | | | Box 159, | | | | |
| Name of Authorized Transporter of C | | XX or | Dry Gas | | e address to wh | | | | ent) |
| Transwestern Pipel: If well produces oil or liquids, | Unit | Sec. Tw | p. Rge. | Is gas actuall | 1188, F | When | | 001 | |
| give location of tanks. | K | 21 1 | 0 27 | YES | 3 | | 3-9- | 90 | |
| If this production is commingled with IV. COMPLETION DATA | that from any oth | er lease or pool | , give commingl | ing order num | er: | | | | |
| Designate Type of Comple | tion - (X) | Oil Well | Gas Well | New Well | Workover | Deepen | Plug Back | Same Res'v | Diff Res'v |
| Date Spudded | · · · | pl. Ready to Pro | d. | Total Depth | | <u>l</u> | P.B.T.D. | <u> </u> | _1 |
| Elevations (DF, RKB, RT, GR, etc.) | Name of P | roducing Forma | tion | Top Oil/Gas | Pay | | Tubing Dept | ıh | |
| Perforations | | | | | | | Depth Casin | a Shoo | |
| TOTOGRADOUS | | | | | | | Depui Casin | g snoe | |
| 1101 5 0175 | | | SING AND | CEMENTI | | D | | A OVO OFM | F-1-17* |
| HOLE SIZE | CAS | SING & TUBIN | IG SIZE | | DEPTH SET | | 3 | SACKS CEM | ENI |
| | | | | | | <u> </u> | | | |
| | | | | | | | | | |
| N MDCM D LOL LAND DEC | LINGE FOR | T T OWN D | (37) | | | | | | |
| | fter recovery of to | | | | | | | for full 24 hou | rs.) |
| Date First New Oil Run To Tank | Date of Te | st | | Producing M | ethod (Flow, pu | ımp, gas lift, e | tc.) | | |
| Length of Test | Tubing Pre | essure | | Casing Press | ire | | Choke Size | | |
| Actual Prod. During Test | Oil - Bbls. | | | Water - Bbis. | | | Gas- MCF | | |
| GAS WELL | | | | | | | | | |
| Actual Prod. Test - MCF/D | Length of | Test | | Bbls. Conden | sate/MMCF | | Gravity of C | Condensate | · |
| Testing Method (pitot, back pr.) | Tubing Pre | essure (Shut-in) | | Casing Press | re (Shut-in) | | Choke Size | | |
| VI. OPERATOR CERTI | FICATE OF | COMPLI | ANCE | <u> </u> | | | | | |
| I hereby certify that the rules and Division have been complied with | regulations of the | Oil Conservation | On . | | OIL CON | ISERV | ATION | DIVISIO | NC |
| is true and complete to the best of | | | - = · • | Date | Approve | d | MAR 1 | 6 1990 | |

Date Telephone No.

Signature Juanita Goodlett

Printed Name

INSTRUCTIONS: This form is to be filed in compliance with Rule 11041) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.

SUPERVISOR, DISTRICT II

2) All sections of this form must be filled out for allowable on new and recompleted wells.

Title

- 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.

- Production Supvr.

State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION CONSERVE ON DIVISION P.O. Box 2088

RECEIVED

Santa Fe, New Mexico 87504-2088

'90 OCT 10 AM 9 41

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

| perator | , | , , , , , , , , , , , , , , , , , , , | | Lease | | | | Well No. | |
|---------------------------|---------------------------------------|--|----------------------|-------------------|-----------------|------------------------|-----------------------------|---------------------------------------|----------------|
| YATES PETROI | LEUM CO | RPORATION | | Pathf | inder AF | T State | | 3 | |
| - | ection | Township | | Range . | | | County | | |
| K | 21 | 10-S | | | 27-E | | <u>Ch</u> | aves | |
| ctual Footage Location | | Court | ., . | 2210 | | , | | | |
| round level Elev. | eet from the | South oducing Formation | line and | 2310 Pool | | feet from | the West | line Dedicated Acrea | ge: |
| 3839.51 | | Fusselman | | Diablo | Fusselma | an Associat | ed Pool | 80 | Acres |
| 1. Outline th | e acreage de | dicated to the subject | well by colored pe | | | | | L | |
| 2. If more th | an one lease | is dedicated to the w | ell, outline each an | d identify the ov | vnership thereo | f (both as to worki | ng interest and 1 | royalty). | • |
| unitization If answer is | 1, force-pool (es "no" list the | | I answer is "yes" ty | pe of consolidat | ion | | | nunitization, | |
| | e will be ass | igned to the well until nit, eliminating such i | | | | itization, unitization | ı, forced-pooling | g, or otherwise) | |
| | | | | | | | OPERAT | OR CERTIFIC | CATION |
| | 1 | | | | j | | I hereby | certify that the | : information |
| | ; | | | |] | 1 1 | | n in true and co ledge and belief. | mplese to the |
| • | į | | | | l | | ignature | - 0 | |
| | ļ | | | | 1 | 4/2 | 1-0-0-1 | . od and | ou |
| | ! | | | | 1 . | N I | rinted Name | 227 | |
| | | | | | † |) | UANITA G | OODLETT | |
| | ļ | | | | ! | l L | RODUCTIO | N SUPERVIS | SOR |
| | ļ | | | | | 1 1 | Company | | |
| | 1 | | | | 1 | | ATES PET | ROLEUM COL | RPORATION |
| | j | | | | ĺ | | 8 | 15-90 | |
| | <u> </u> | | ٠. | | | | SURVEY | OR CERTIFIC | CATION |
| | I Y | PC | | | 1 | | hereby certifi | that the well lo | ocation shows |
| | L | G-5246 | | | 1 | | on this plat w | as plotted from | field notes of |
| | i | | 1 | | İ | | | made by me of that the same | |
| 2310' | 1 | | 1 | | 1 | | correct to the | best of my ku | |
| 2310 | | • | 1 | | ! | | selief. | | |
| | | | | | 1 | 1 1 | Date Surveyed | | |
| | | | | | + | 1 1- | Original Signature & Sea | plat subm | |
| | í | 1650 | | | İ | | Professional Su | al of 8/17/ rveyor | 88 |
| | j | 16 | | | İ | | | | |
| | 1 | | | | 1 | | | | |
| | | | | | 1 | | | | |
| | ţ | , | | | 1 | | Certificate No. | | |
| | | | | | | | | | |
| 0 330 660 99 | 90 1320 | 1650 1980 2310 | 2640 20 | 000 1500 | 1000 | 500 0 | | | |
| | | | | | | | | | |

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-103 Revised 1-1-89

| DISTRICT I | OTT CONTO | | | | |
|---|--|------------------------------|---------------------------------------|---------------------------|------------------------|
| 1.0. DOX 1300, 110008, 1111 002-10 | MAR 26 99 11 | ERVATION D | LYISION | WELL API NO. | |
| DISTRICT II | Santa Fe. 1 | | | 30-005-6 | ··· |
| P.O. Drawer DD, Artesia, NM 88210 | | | | 5. Indicate Type of I | STATE X FEE |
| DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 874 | Santa Fe, New Mexico 87504-2088 Santa Fe, New Mexico 87504-2088 Santa Fe, New Mexico 87504-2088 Santa Fe, New Mexico 87504-2088 Santa Fe, New Mexico 87504-2088 Santa Fe, New Mexico 87504-2088 Santa Fe, New Mexico 87504-2088 Santa Fe, New Mexico 87504-2088 Santa Fe, New Mexico 87504-2088 Santa Fe, New Mexico 87504-2088 Santa Fe, New Mexico 87504-2088 Santa Fe, New Mexico 87504-2088 Santa Fe, New Mexico 87504-2088 Santa Fe, New Mexico 87504-2088 Santa Fe, New Mexico 87504-2088 Santa Fe, New Perperson Fer PLUG ARCK Fo A LG 524 Santa Fe A LG 524 Santa Fe A LG 524 Santa Fe A LG 524 Santa Fe A LG 524 Santa Fe A LG 524 Santa Fe A LG 524 Santa Fe A LG 524 Santa Fe A LG 524 Santa Fe A LG 524 Santa Fe A LG 524 Santa Fe A LG 524 Santa Fe A LG 524 Santa Fe A LG 524 Santa Fe A LG 524 Santa Fe A LG 524 Santa Fe A LG 524 Santa Fe A LG 524 Santa Fe A LG 524 Santa Fe A LG 524 Santa Fe A | | 6. State Oil & Gas L LG 5246 | | |
| SUNDRY N | IOTICES AND REPO | RTS ON WELLS | SIA: CERICE: | | |
| DIFFERENT RE (FOR | ESERVOIR. USE "APPLIC | ATION FOR PERMIT | UG BACK TO A | 7. Lease Name or U | nit Agreement Name |
| 1. Type of Well: ORL GAS WELL XX WELL | | THER | | Pathfinde | r AFT State |
| 2. Name of Operator | DDDDDAMTON / | (505) 7/0 1/ | | | |
| 3. Address of Operator | ORPORATION V | (505) 748-14 | 71 | ļ | doet |
| <u>-</u> | . Artesia. New M | exico 88210 | | 1 | o-Ordovician |
| 4. Well Location | , 111 0 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 01100 00210 | | <u> </u> | |
| Unit Letter <u>K</u> : 1 | 650 Feet From The | South | Line and 2310 | Feet From T | he West Li |
| Section 21 | | | | NMPM | Chaves County |
| | 10. Elevation | • | · · | | |
| 11. Chec | ck Appropriate Box | | · | eport, or Other I | Data |
| | ** - | į | · · · · · · · · · · · · · · · · · · · | • | |
| PERFORM REMEDIAL WORK | PLUG AND ABA | ANDON REM | EDIAL WORK | AL | LTERING CASING |
| TEMPORARILY ABANDON | CHANGE PLAN | is COM | MENCE DRILLING | OPNS. D | LUG AND ABANDONMENT |
| PULL OR ALTER CASING | | CASI | NG TEST AND CE | MENT JOB | |
| OTHER: | | П | R: Acidize | well | |
| 12. Describe Proposed or Completed Cowork) SEE RULE 1103. | Operations (Clearly state all p | ertinent details, and give p | ertinent dates, includ | ding estimated date of su | arting any proposed |
| <u>-</u> | ~ | | 2% KCL wat | er. Well on | vacuum. |
| 2-10-90. Dumped 3-6-90. Acidized | 500 gals 20% ge d existing perfo | lled acid and | | | |
| Swabbed well. | rvent. | | | | |
| | turned to produc | tion. | | | |
| | | | | | • |
| | | | | | |
| | | | | | |
| | | | | | |
| I hereby certify that the information above | is frue and complete to the best of | f my knowledge and belief. | | | |
| SIGNATURE CANTELLY | X | | duction Su | pervisor | рате 3-12-90 |
| | Goodlett | | | | TELEPHONE NO. 505/748- |
| | | | | | |
| (This space for State Use) | | | | | MAD 1 6 1000 |

APPROVED BY

SUPERVISOR, DISTRICT II

MAR 1 6 1990

DATE .

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

JM 26'90

| DISTRICT II P.O. Drawer DD, Artesia, NM 88210 | OL | L CO | | ox 2088 | 71 1 1010 | 1.4 | OMM CO | 10 | |
|--|---------------------------------------|-----------------|----------------------|----------------------|----------------------|-----------------|-------------------|------------------|--------------|
| DISTRICT III; EIVED | | Santa 1 | Fe, New M | lexico 8750 | 04-2088 | | O. C. D |) . | |
| 1000 Rio Brazos Rd., Aztec, NM 87410 A MAR 12 AM 10 50 | REQUES | | | | AUTHORII TURAL GA | | ARTESIA, OF | FICE | |
| Operator | | | . 0.11 | 271112 1171 | 101111201 | | API No. | | |
| YATES PETROLEUM (| CORPORATION | | | | | 30- | 005-626 | 36 | |
| 105 South 4th St. | | NM 88 | 210 | | (D) | | -· | | |
| Reason(s) for Filing (Check proper box) New Well | | nge in Tran | sporter of: | U Oth | er (Please expl | zun) | | | |
| Recompletion | Oil | ☐ Dry | - — | | | | | | |
| Change in Operator | Casinghead Gar | s Con | densate | | | | | | |
| If change of operator give name and address of previous operator | · · · · · · · · · · · · · · · · · · · | | | | | | | . , | · |
| II. DESCRIPTION OF WELI | AND LEASE | .] | Diable | Fuss | elman | / | | | · |
| Lease Name | | [| Name, Includ | ing Formation | | Kind | of Lease | | ease No. |
| Pathfinder AFT State | | 3 -U | nd. Sil ı | iro-Ordov | ician- | State, | Festigital log Fe | LG 5 | 246 |
| Unit LetterK | :1650 | Feet | From The _S | South Lin | e and231 | 0 Fe | et From The . | West | Line |
| Section 21 Towns | hip 10S | Ran | ge 27E | , N | MPM, | | Chave | es | County |
| III. DESIGNATION OF TRA | NSPORTER O | F OIL A | ND NATU | IRAL GAS | | | | | |
| Name of Authorized Transporter of Oil | | Condensate | | Address (Giv | e address to wi | | | | ent) |
| Navajo Refining Co. Name of Authorized Transporter of Casi | nahaad Caa | | | | 159, Art | | | | |
| Traine of Authorized Transporter of Casi | ngread Gas | | ry Gas | Address (Giv | e address to wi | исп арргочеа | copy of this f | orm is to be si | ent) |
| If well produces oil or liquids, give location of tanks. | Unit Sec. | Twp | | Is gas actuall | y connected? | When | ? | | |
| If this production is commingled with tha | | | | | ber: | | | | |
| IV. COMPLETION DATA | lo: | | - W II | 1 | 1 | ı <u>.</u> | r | 1 | |
| Designate Type of Completion | | Well X | Gas Well | New Well | Workover | Dеереп | Plug Back | Same Res'v | Diff Res'v |
| Date Spudded | Date Compl. Re | ady to Prod | | Total Depth | L | | P.B.T.D. | I | |
| 8-21-88 Elevations (DF, RKB, RT, GR, etc.) | 1-: Name of Produc | 24-90 | | 665 Top Oil/Gas | | | 658 | 7 | |
| 3839.5' GR | Siluro-0 | _ | | 1 - | .e, .86' | | Tubing Dep | | |
| Perforations | | | | <u>~</u> | | · | Depth Casin | g Shoe | |
| 6386-6415' | THE | DIC CAL | CINIC AND | CEMENTE | NC DECOR | <u> </u> | 665 | 50 ' | |
| HOLE SIZE | | & TUBING | | CEMENTI | NG RECOR | <u>D</u> | | SACKS CEM | ENT |
| 121" | 10-3 | | | | 245' | | | in, pul | |
| 121" | 8-5/ | 8" | | | 622' | | | 00 sx | |
| 7-7/8" | 5½" | | | | 650' | | 9 | 0 sx | |
| V. TEST DATA AND REQUE | 2-7/ST FOR ALL | | E | 6 | 360' | | | | |
| OIL WELL (Test must be after | recovery of total vo | | | | | | | for full 24 hou | rs.) |
| Date First New Oil Run To Tank | Date of Test | 0 | | 1 | ethod (Flow, pu | mp, gas lift, e | etc.) | | |
| 1-22-90 Length of Test | 1-24-9 | | | Casing Pressu | Flowing | ··· | Choke Size | | |
| 24 hrs | 950 | | | Casing 1100s | Pkr | | | ⁷ 64" | |
| Actual Prod. During Test | Oil - Bbls. | | | Water - Bbls. | | | Gas- MCF | 04 | . |
| 360 | 360 | | | | 0 | | 54 | <u> </u> | |
| GAS WELL | | | | | · | | | | |
| Actual Prod. Test - MCF/D | Length of Test | | | Bbls. Conden | sate/MMCF | | Gravity of C | ondensate | |
| Testing Method (pitot, back pr.) | Tubing Pressure | (Shut-in) | | Casing Press. | ire (Shut-in) | | Choke Size | | |
| | | | | | | · | | | |
| VI. OPERATOR CERTIFIC I hereby certify that the rules and regularity that the rules are regularity that the rules are regularity than the rules are regularity to the rules are regularit | | | | | DIL CON | ISERV | ATION | DIVISIO | N |
| Division have been complied with and | d that the informatio | n given abo | | | | | EEB 2 | R 1000 | |
| is true and complete to the best of my | knowledge and bei | ieī. | | Date | Approve | d | | - 1000 | |
| A De T | X 1151 | | | | 7001 | (// | 1.11 | • | |
| Signature | Drod | n C | | By_ |] | em. | Mac | 2-Eile | \approx |
| Juanita Goodlett - | Production | n Supv Title | | Title | SIIP | ERVISO | R, DISTR | ICT II | |
| | | 1.410 | | | | | | | |

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

1-25-90

Date

1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.

Title

2) All sections of this form must be filled out for allowable on new and recompleted wells.

(505) 748-1471

Telephone No.

- 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.

58

State of New Mexico
Energy, Minerals and Natural Resources Department Form C-105 Submit to Appropriate: Revised 1-1-89 District Office State Lease - 6 copies Fee Lease - 5 copies
DISTRICT I AN OIL CONSERVATION DIVISION WELL API NO. 30-005-62636 P.O. Box 1980, Hobbs, NW 88240 P.O. Box 2088 5. Indicate Type of Lease DISTRICT II P.O. Drawer DD, Artesia, NM 88210 Santa Fe, New Mexico 88509E70ED STATE X 6. State Oil & Gas Lease No. DISTRICT III LG 5246 1000 Rio Brazos Rd., Aztec, NM 87410 WELL COMPLETION OR RECOMPLETION REPORT la. Type of Well: 7. Lease Name or Unit Agreement Name OIL WELL X GAS WELL DRY OTHER b. Type of Completion: Pathfinder AFT State WELL X WORK DEEPEN 2. Name of Operator 8. Well No. YATES PETROLEUM CORPORATION (505) 748-1471 3 9. Pool name or Wildcat 3. Address of Operator Undes. Siluro-Ordovician 105 South 4th St., Artesia, NM 88210 FUSSE MAN Diablo 4. Well Location South Line and 2310 K : 1650 Feet From The Unit Letter Feet From The West Line Section Township 10s Rance 27E **NMPM** Chaves 13. Elevations (DF& RKB, RT, GR, etc.) 14. Elev. Casinghead 10. Date Spudded 11. Date T.D. Reached 12. Date Compl. (Ready to Prod.) 1 - 24 - 908-21-88 11-24-88 3839.5' GR 18. Intervals | Rotary Tools
Drilled By 15, Total Depth 16. Plug Back T.D. 17. If Multiple Compl. How Cable Tools Many Zones? 6650' 65881 2102-6650' 0-2102 19. Producing Interval(s), of this completion - Top, Bottom, Name 20. Was Directional Survey Made 6386-6415' Siluro-Ordovician No 21. Type Electric and Other Logs Run 22. Was Well Cored CNL/LDT, DLL 23. CASING RECORD (Report all strings set in well) HOLE SIZE CEMENTING RECORD CASING SIZE WEIGHT LB/FT. DEPTH SET AMOUNT PULLED 10-3/4" 40.5# 245' 121" Mudded in, pulled out 8-5/8" 622' 121" 24# 300 sx 5-1/2" 15.5# 6650' 7-7/8" 910 sx 24. LINER RECORD TUBING RECORD TOP SIZE BOTTOM SACKS CEMENT SCREEN DEPTH SET SIZE PACKER SET 2-7/8" 6360' 6360 Perforation record (interval, size, and number) 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 6386-92, 6401-02, 6408-15 w/56 0.52" Holes 6386-6415' w/500g. 20% NEFE acid. (4 SPF) PRODUCTION Date First Production Production Method (Flowing, gas lift, pumping - Size and type pump) Well Status (Prod. or Shut-in) 12-2-88 Flowing Producing -Date of Test Hours Tested Oil - Bbl. Gas - Oil Ratio Choke Size Prod'n For Gas - MCF Water - Bbl. Test Period 1-24-90 18/64" 17 255 386 1514 Flow Tubing Press. Calculated 24-Oil - Bbl. Gas - MCF Water - Bbl. Oil Gravity - API - (Corr.) Casing Pressure 950 360 545 34-35° 29. Disposition of Gas (Sold, used for fuel, vented, etc.) Test Witnessed By Vented - Will be sold 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 Printed Name Juanita Coodlett Title Production Supv. Date 1-24-90 Signature

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 ests 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

Northwestern New Mexico Southeastern New Mexico _ T. Penn. "B"_ ______ T. Canyon _____ _____ T. Ojo Alamo ___ r. Salt ______ T. Strawn _____ T. Kirtland-Fruitland _____ T. Penn. "C"_ T. Pictured Cliffs T. Penn. "D" B. Salt ____ ______ T. Atoka _____ 6211 T. Cliff House T. Leadville Г. Yates _____ Т. Miss _____ T. Devonian T. Menefee T. Madison F. 7 Rivers _____ T. Silurian T. Point Lookout T. Elbert I. Oueen T. Montoya _____ T. Mancos _____ T. McCracken ____ I. Grayburg _ 1406 T. Simpson T. Gallup I. San Andres T. Ignacio Otzte 2582 Base Greenhorn ______ T. Granite _____ Γ. Glorieta __ T. McKee____ 2664 T. Ellenburger____ I. Phyddock YESI T. Dakota ______ T. _____ T. _____ _____ T. Morrison ____ _____ T. ____ I. Blinebry_ _____ T. Gr. Wash ____ T. Delaware Sand T. Todilto T. r. Tubb _____ T. ____ T. Drinkard T. Bone Springs_ T. Entrada TSiluro-Ordovician-6244 T. Wingate ______ T. 4838 T. Abo T. Precambrian -6564 T. Chinle T. T. Wolfcamp 5512 T. _____ T. Permain _____ T. _ T. Penn 6158 T. Cisco (Bough C)_ T. Penn "A" T. 6044 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......feet......feet..... No. 2, from......to.....feet...... No. 3, from.......to.......feet......

LITHOLOGY RECORD (Attach additional sheet if necessary)

| From | From To Thickness in Feet | | Lithology | From | То | 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 | | | | | | |
| | | | , | | | | | | |
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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

OIL CONSERVATION DIVISION

| | PI NO. 005- | 62636 | 5 | |
|---|----------------|-------|---|------|
| _ | | | | |

| 1,0, but 1700, 110004 1111 10011 | P.O. Box 208 | | 30-005-62636 | 1 |
|--|---|-------------------------|--|---------------|
| DISTRICT II P.O. Drawer DD, Artesia, NM 88210 | Santa Fe, New Mexico | 8750428BBED | 5. Indicate Type of Lease STATE XX FEE | \neg |
| DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410 | | JAN 25 '90 | 6. State Oil & Gas Lease No. LG 5246 | |
| (DO NOT USE THIS FORM FOR PROPOS. DIFFERENT RESERVOIR (FORM C-101) | AND REPORTS ON WEL ALS TO DRILL OR TO DEEPEN . USE "APPLICATION FOR PEF FOR SUCH PROPOSALS.) | LS OR PLHG PAOK TO A | 7. Lease Name or Unit Agreement Name | |
| 1. Type of Well: OIL GAS WELL X WELL | OTHER | | Pathfinder AFT State | |
| 2. Name of Operator YATES PETROLEUM CORPORATION | ON | | 8. Well No. | |
| 3. Address of Operator 105 South 4th St., Artesia 4. Well Location | a, NM 88210 | | 9. Pool name or Wildcat Undes Siluro Ordovician Juanto Fanselman | |
| Unit Letter K: 1650 | eet From The South | Line and2310 | Feet From The West | Line |
| Section 21 | Township 10S Rail 10. Elevation (Show whether I 3839.5' | OF, RKB, RT, GR, etc.) | NMPM Chaves Count | <i>Y</i> |
| 11. Check Appr NOTICE OF INTEN | opriate Box to Indicate N | Nature of Notice, Re | eport, or Other Data SEQUENT REPORT OF: | 2223 |
| PERFORM REMEDIAL WORK | PLUG AND ABANDON | REMEDIAL WORK | ALTERING CASING | |
| | CHANGE PLANS | COMMENCE DRILLING | | اا |
| PULL OR ALTER CASING OTHER: | | CASING TEST AND CE | MENT JOB L_ perfs_change_well_status | x |
| 12. Describe Proposed or Completed Operations (6 work) SEE RULE 1103. CHANGE WELL STATUS FROM | | | | |
| 1-23-90. Acidized perfo | orations 6386-6415' | | | |
| PECCIVED RECEIVED 190 MRR 12 RM 1 | | | | |
| I hereby certify that the information above is true and co | mplete to the best of my knowledge and b | | | |
| SKINATURE CONTACT A | valett m | Production Su | DATE | |
| TYPE OR PRINT NAME Juanita Go | odlett | | тецерноме NO. 505/748 | <u>3-1</u> 47 |

(This space for State Use)

SUPERVISOR, DISTRICT II

FEB 2 8 1990

CONDITIONS OF APPROVAL, IF ANY:

| Submit 3 Copies |
|-----------------|
| to Appropriate |
| District Office |

CONDITIONS OF APPROVAL, IF ANY:

State of New Mexico Energy, Minerals and Natural Resources Department

|] | Form | c. | 103 | , |
|---|-------|------|------|----|
| 1 | Revis | ed : | 1-1- | 89 |

| | <u></u> |
|---|---------|
| | // |
| Ć | 7 |

| District Office | Kealsed 1-1-92 |
|--|--|
| DISTRICT OIL GOVE OIL CONSERVATION DIVISION P.O. Box 1980, Hobbs, NM 88240 EDELVED ON PROPERTY 2009 RECEIVED | WELL API NO. |
| P.O. BOX 2088 | 30-005-62636 |
| P.O. Drawer DD, Artesin NM 183219 2 AM 10 50 | 5. Indicate Type of Lease STATE X FEE |
| DISTRICT III 1000 Rio Brazos Rd., Aziec, NM 87410 | 6. State Oil & Gas Lease No. |
| | LG 5246 |
| SUNDRY NOTICES AND REPORTS ON WELLS TESIA OFFICE (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OF PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) | 7. Lease Name or Unit Agreement Name |
| 1. Type of Well: Ott. GAS WELL OTHER | Pathfinder AFT State |
| 2. Name of Operator YATES PETROLEUM CORPORATION | 8. Well No. |
| 3. Address of Operator | 9. Pool name or Wildcat |
| 105 South 4th St., Artesia, NM 88210 | Und. Siluro Ordovician |
| 4. Well Location | diable tusselman |
| Unit Letter K: 1650 Feet From The South Line and 2310 | O Feet From The West Line |
| 10. Elevation (Show whether DF, RKB, RT, GR, etc.) | NMPM Chaves County |
| 3839.5' GR | |
| 11. Check Appropriate Box to Indicate Nature of Notice, R | · · |
| NOTICE OF INTENTION TO: SUB | SEQUENT REPORT OF: |
| ERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK | ALTERING CASING |
| EMPORARILY ABANDON L CHANGE PLANS COMMENCE DRILLING | OPNS. PLUG AND ABANDONMENT |
| ULL OR ALTER CASING CASING TEST AND CE | |
| OTHER: OTHER: Perfora | ate existing zone |
| 12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, incluwork) SEE RULE 1103. Well completed as gas well 12-2-88. Well has been shut-in 1-20-90 - 1-22-90. RUPU to workover well. POOH w/packer. off tool, tubing, subs. Correlate guns into position. Drop with 4 SPF (56 0.52" holes) as follows: 6386-92', 6401-02 with 2" flare (TSTM). Swabbed well. Well started unloading Top of packer set at 6360'. | n waiting on pipeline connection. TIH w/Vann System, packer, on/ bar and perforated 6386-6415' 2' and 6408-15'. GTS in 1 minute |
| I hereby certify that the information above if true and complete to the best of my knowledge and belief. SIGNATURE A CENTULA DE AUCTION SU TYPE OR FRINT NAME JUANITA GOODLETT | pervisor date 1-23-90 TELEPHONE NO. 505/748-14 |
| (This space for State Use) APPROVED BY JULIAN TITLE | |
| APPROVED BY TITLE | DATE |

This form is to be filed with the oppositate District Office of the DIVISION not later than 20 days after the completion of any newly-killed or dampened self. It shall be accompanied by one copy of all ejectival and indicentifying logic can be used and a summary of all special tests conducted, including diffusion, tests. All depths reported shall be measured depths. In the case of directionally diffied wells, two vertical depths shall also be reported. For multiple completions, flows 30, through 34 shall be reported for each zone. The form is to be tiled in quantuplicate except on state limit, where six copies are required. See itself 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

| | | Son | theastern i | Yew Mexico | | | | Northw | vestem Ne | w Mexico | |
|----------|-------------|------------------------|--------------|--------------------------|-----------|----------|------------|----------------------|------------|--|--------|
| T. A: | nhy | | Т. | Canyon | тт | Ojo 7 | Manxo | | т. | Penn. "B" | |
| | | | | | | | | | | Penn. "C" | |
| U. Sa | 11 | - | T. | Atoka | т. | Pictu | red Cliffs | · | Т. | Penn, "D" | |
| T. Y | stc 3 | | T | Miss6211 | Т. | Cliff | House | | Т. | Leadville | |
| T. 7 | Rivers | | Т. | Devonion | т. | Mene | fee | | T. | Madison | |
| т. Q. | JC 60 | | Т. | Silurian | т. | Point | Lookout | | T. | Elbert | |
| T. Gr | ayburg | | Т. | Montaya | т. | Милс | os | | т. | McCracken | |
| T, Sa | n Andres _ | 1406 | l. | Simpson | т. | Gallu | p | | т. | Ignacio Quzte | |
| T. GI | orieta | 2582 | 1. | McKee | 13a | se Gre | enborn 🚤 | | Т. | Granite | |
| T. Pi | mitteek YES | 50 2664 | т. | Ellenburger | т. | Dako | в | | Т. | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| T. Dr | inkard | | | | | | | | | | |
| T. At | 00 | | т. ू | Bone Springs | т. | Winga | ı.c | | Т. | | |
| T. Wo | olfcamp | | | | | | | | | | |
| T. Fe | enn. C1 | 6158 | | | | | | | | | |
| T Cie | ico (Dough | c) = 6044 | т | | | | | | т. | | |
| | | | | OIL OR O | SAS SA | ANDS | OR ZON | ies | | | |
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| No. 3. f | rom | | | 0 | No | . 6. fro | m | ****** | | | |
| | | | | | | | • | | | | |
| | | | | IMPORT | ANT V | IATER | SANDS | | | | |
| Include | data on ra | te of water | bas wollni | elevation to which water | rose in l | ole. | | | | | |
| No. 1, f | rom | | | to | | | | fect. | ********** | ************************************** | |
| No. 2, f | ัญ:ก | | ************ | to | | ••••• | ···· | fect. | | . + | |
| No. 3, 1 | rom | | | to | | | | fcct. | | ************************************** | |
| • | | | | | | | | | | | |
| No. 4, I | гопа | | | DRMATION RECORD (Att | | | | | | | |
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| From | То | Thickness in Feet | | Formation | | From | То | Thickness in Feet | | Formation | |
| _ | 1 | | | | - 11 _ | | | | | | |

| From | То | Thickness in Feet | Formation | From | То | 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 | - | | | 1 |
| 2140 | 2410 | 270 | LS | | | | |
| 2410 | 2538 | 128 | Dolo, Anhy, LS | | ĺ | 1 | |
| 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 | | | 1 | |
| 4810 | 5420 | 430 | Shale | | | | |
| - · = 1 | ! | ~ . ~ ! | ~ · · · · · | 1 | | | |

YATES PETROLEUM CORPORATION

Pathfinder AFT State No. 3, LG-5246 Unit K, 1650' FSL & 2310' FWL Section 20-T10S-R27E Chaves County, New Mexico

DRILL STEM TESTS

DST #1 5516-553' 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 $\overline{50-50}$, 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 mmcfd. 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.



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

| Depth | Degrees |
|---------------|-------------|
| 600' | 240 - 600 |
| 650 ' | 2½° - 50 j. |
| 700 ' | 2½° - 50 |
| 2098 ' | 2° - /3% j |
| 2410' | 2° - 3/2' |
| 2911' | 10 - 50/ |
| 3400' | 140 - 489 |
| 3898 ' | 1 3/4° 498° |
| 4465' | 3/4° 567 |
| 4827' | 40.362 |
| 5366' | 1½°- 5¾ ´/ |
| 5840' | 14° - 474 |
| 6459' | 1½° - 6/9 |
| 6650' | 130-19/ |

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

| Wa, 42 COPIES GCLEIVED | | |
|------------------------|---|----|
| DISTRIBUTION | | 1 |
| SANTA FE | V | |
| FILE | | |
| U.S.G.S. | | |
| LAND OFFICE | | |
| OPERATOR | | 7- |

| Na. 42 Cortes accelyes | | ATION DIVISION | |
|---|---|--|--|
| DISTRIBUTION | Р. О. ВС | X 2088 RECEIVED | Form C-103 |
| SANTA FE | | V MEXICO 87501 | Revised 10-1-7 API #30-005-62636 , |
| FILE | | | Sa. Indicate Type of Lease |
| U.S.G.S. | | DEC 07 '88 | State X Fee |
| OPERATOR . | · | | 5. State Oil & Gas Lease No. |
| 100 | <u>.</u> | Ø. C. D. | LG 5246 |
| CIMIZ | RY NOTICES AND REPORTS ON | | |
| DO NOT USE 1413 FURN FOR PA | ROPUSALS IN DRILL OR TO DEEPEN OF PLUG | DALK TO A DIFFERENT MESERVOIR. | |
| USL "APPLICA | ATION FOR PERMIT -" (FORM C-101) FOR 30 | CH PROPOSALS. | 7. Unit Agreement Name |
| OIL X | OTHER- | | |
| Name of Operator | OTHER- | | 8, Furm or Lease Hume |
| | eum Corporation 🗸 | | Pathfinder AFT State |
| , Address of Operator | | | 9. Well No. |
| | h St., Artesia, NM 88210 | | 3 |
| . Location of Well | | | 10. Field and Pool, or Wildcat |
| | 1.650 | 2210 | 1 |
| UNIT LETYER K | 1650 FEET FROM THE South | LINE AND FEET FRO | Undes. Siluro-Ordovicia |
| | ad 0/ | 075 | |
| THE West LINE, SECT | 10H 202/ TOWNSHIP 10S | NANGE Z/E NMPh | |
| market en caracteria | 1777 | no no co | |
| | 15. Elevation (Show whether | | 12. County |
| | 3839.5 | ' GR | Chaves |
| 6. Check | Appropriate Box To Indicate I | Nature of Notice, Report or O | ther Data |
| | NTENTION TO: | • • | T REPORT OF: |
| | | | |
| PERFORM REMEDIAL WORK | PLUG AND ABANDON | REMEDIAL WORK | ALTERING CASING |
| TEMPORARILY ABANDON | | COMMENCE DRILLING OPHS. | PLUG AND ABANDONMENT |
| PULL OR ALTER CASING | CHANGE PLANS | CASING TEST AND CEMENT JOB | |
| | | OTHER Production Casin | g, Perforate, Treat |
| OTHER | | | |
| · · · · · · · · · · · · · · · · · · · | | | |
| Describe Proposed or Completed C work) SEE RULE 1103. | Operations (Clearly state all pertinent det | ails, and give pertinent dates, includin | g estimated date of starting any proposed |
| Work) SEE NOLE 1103. | | | |
| TD 6650! Parchad TD | 12:30 AM 11-24-88. Ran 1 | 160 ioints 5-1/2" 15 5# T | -55 LT&C (66821) |
| | loat shoe set 6650', flo | | |
| | | | |
| | Stage 1 - 350 sx Class | | |
| | :00 AM 11-25-88. Circula | | |
| | 1d 1.98, weight 12.4). T | | |
| - | 00 AM 11-26-88. Bumped p | lug to 2800 psi for 5 mi | ns, released |
| - | casing held okay. WOC. | | |
| 11-29-88. Drilled or | | | |
| | d 6255-6356' w/53 .50" ho | | |
| | 79, 80, 86, 87, 88, 96, 9 | | |
| 19, 20, 21, 22, 23, | 24, 28, 29, 30, 38, 39, 4 | 0, 41, 42, 43, 44, 45, 4 | 6, 47, 48, 52, 53, |
| 54, 55, and 6356'. | | | |
| 12-1-88. Acidized p | erforations 6255-6356' w/ | 2500 gals 15% HCL acid + | 100 ball sealers. |
| | | is well a | properties of the second secon |
| | | | The Property of the Control of the C |
| • | · | 1 | • |
| | | | |
| | | | |
| | | | |
| hereby certify that the information | n above is true and complete to the best o | of my knowledge and belief. | |
| 11 - X | | • | |
| the anda I | ar allest ritte Pr | oduction Supervisor | DATE 12-5-88 |
| <u> </u> | | | |
| Wa. 1 , 1 | • | | |
| 111.0-11.1 | 1/- | EMPERICAR TUSTRICT II | DEC 2 7 1988 |

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

| MB. OF COPIES MELETYED | | |
|------------------------|---|--|
| DISTRIBUTION | | |
| SANTA FE | V | |
| FILE | | |
| U.S.G.S. | | |
| LAND OFFICE | | |
| OPERATOR | | |

OIL CONSERVATION DREUSIVEN

| DISTRIBUTION | and the second s | OX 2088 | Form C-103 · Revised 10-1-78 |
|--|--|---|--|
| SANTA FE | SANTA FE, NEV | WMEXICO 87501 | • |
| U.S.Q.S. | r English to Atlanti | NOV 16 '88 | Sa. Indicate Type of Lease State X Fee |
| LAND OFFICE | | | 5, State Oil & Gas Lease No. |
| OPERATOR | The second secon | ASSESSIA OFFICE | LG 5246 |
| SUNDRY | NOTICES AND REPORTS OF | | |
| USE "APPLICATION OF | ON FOR PERMIT -" (FORM C-101) FOR SU | BALK TO A DIFFERENT RESERVOIR. JCH PROPOSALS.) | 7, Unit Agreement Name |
| OIL SAS WELL | OTHER- | | |
| 2. Name of Operator | | | 8. Farm or Lease Hame |
| Yates Petroleum Cor | poración | | Pathfinder AFT State 9. Well No. |
| 105 South 4th St., | Artesia NM 88210 | | 3 |
| 4. Location of Well | Artesia, Mi 00210 | | 10. Field and Pool, or Wildcat |
| UNIT LETTER K 165 | 00 FEET FROM THE South | LINE AND 2310 FEET FROM | Wildcat |
| | | | |
| THE West LINE, SECTION | . 20 d/ TOWNSHIP 10S | HANGE 27E NMPM. | |
| | 15, Elevation (Show whethe | | 12. County |
| | 383 | 9.5' GR | Chaves |
| Check A | ppropriate Box To Indicate | Nature of Notice, Report or Oth | ner Data |
| NOTICE OF IN | TENTION TO: | SUBSEQUENT | REPORT OF: |
| - | | | _ |
| PERFORM REMEDIAL WORK | PLUG AND ABANDON | REMEDIAL WORK | ALTERING CASING |
| PULL OR ALTER CASING | CHANGE PLANS | CASING TEST AND CEMENT JOB | PLUG AND ABANDONMENT |
| THE SAME PROPERTY OF THE PROPE | | OTHER Drilling status | X X |
| ОТНЕЯ | | | |
| 17. Describe Proposed or Completed Operovs) SEE RULE 1103. | rations (Clearly state all pertinent de | tails, and give pertinent dates, including | estimated date of starting any proposed |
| 11-4-88. Moved in ro | tary rig and continue t | o drill to a new total de | pth of 7200' and |
| test the Fusselman fo | rmation. | | |
| Drilled rat and mouse circulated to bottom. | | 1 collars and drill pipe. | Reamed and |
| 11-14-88. TD 4443'. | | | |
| | | | |
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| | | | |
| 18. I hereby certify that the information at | bove is true and complete to the best | of my knowledge and belief. | |
| | Dr | oduction Supervisor | 11_15_88 |
| alearn unua / x a | Valenty TITLE 11 | odderion Supervisor | DATE 11-15-88 |
| 7- 1 | | | 88 M 1 C A A A A A A A A A A A A A A A A A A |
| APPROVED BY MAND MA | Mama 11111_ | RUPESYISOR DISTRICT T | NOV 1 8 1988 |

CONDITIONS OF APPROVAL, IF ANY:

| NERGY AND MINERALS DEPARTMENT | | | |
|---|--|---|--|
| No. or Contenticions | OIL CONSERVA | NORTHARONT | |
| DISTRIBUTION | P. O. BO | | Form C-103 |
| SANTA PE | SANTA FE, NEW | | API #30-005-62636 |
| FILE | SANTA LE, MEW | OCT 07 '88 | |
| U.S.O.S. | | 301 07 00 | \$a. Indicate Type of Lease |
| LAND OFFICE | _ | | State XX Fee |
| OPERATOR | · | O. C. D. | 5. State Oil & Gas Lease No. |
| | · | ARTESIA, OFFICE | LG 5246 |
| SUNDRY NO SUNDRY NO PROPOSAL- | TICES AND REPORTS ON TO DRIVE OF PLUG BE FERMIT - " (FORM C-101) FOR SUC | ACX TO A DIFFERENT RESERVOIR. | |
| OIL X GAS WELL OT | *HE#• | | 7. Unit Agreement Name |
| Name of Operator | | | 8. Farm or Lease Name |
| Yates Petroleum Corpor | ation √ | | Pathfinder AFT State |
| Address of Operator | _ | | 9. Well No. |
| 105 South 4th St., Art | esia, NM 88210 | | 3 |
| Location of Well | | | 10. Field and Pool, or Wildcat |
| UNIT LETTER K 1650 | FEET FROM THE South | LINE AND PE | Undes. Diablo San And |
| 2 | | | |
| THE West LINE, SECTION 2 | | RANGE 27E | _ HMPM. (())))))))) |
| | | | |
| | 15. Elevation (Show whether | DF, RT, GR, etc.) | 12. County |
| | 3839.5' | GR | Chaves |
| Check Appro NOTICE OF INTEN | priate Box To Indicate N TION TO: | | or Other Data |
| | | , | |
| ERFORM REMEDIAL WORK | PLUG AND ABANDON | REMEDIAL WORK | ALTERING CASING |
| EMPORANILY ABANDOM | | COMMENCE DRILLING OPNS. | PLUS AND ABANDONMENT |
| ULL OR ALTER CASING | CHANGE PLANS | CASING TEST AND CEMENT JOB | X) |
| | | OTHER | |
| OTHER | | | · |
| . Describe Proposed or Completed Operation work) SEE RULE 163. | ns (Clearly state all pertinent deta | ails, and give pertinent dates, in | cluding estimated date of starting any propos |
| 9-4-88. Ran 15 joints shoe set 622', baffle (yield 1.32, weight 14 lated 15 sacks. NU and cement job pulled and Drilled out 3:00 PM 9-Resumed drilling. | plate set 578'. Cem. 8). PD 1:30 PM 9-4 tested to 1000 psi laid down 6 joints 10 | ented w/300 sacks C1 -88. Bumped plug to for 15 minutes, OK. 0-3/4" 40.5# (245') | ass "C" with 2% CaCl2 300 psi. Cement circu- WOC. Note: Prior to |
| | | | |
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| I hereby certify that the information above | is true and complete to the heat - | I my knowledge and halief | |
| A county wint the intollector spoke | re due and complete to the pest of | t mi suomienke sun nerrere | |
| () () () () () () () () () () | / - < | | |
| arolleraa () ball | MAN TITLE Pr | oduction Supervisor | DATE 10-5-88 |

SUPERVISOR, DISTRICT R

ONDITIONS OF APPROVAL, IF ANY:

.... OCT 1 1 1988

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

| NO. OF COPIES ACCEIVED | | |
|------------------------|---|--|
| PISTRIBUTION | | |
| SANTA FE | V | |
| FILE | | |
| U.S.O.S. | | |
| LAND OFFICE | | |
| CREMATOR | | |

OIL CONSERVATION DIVISION

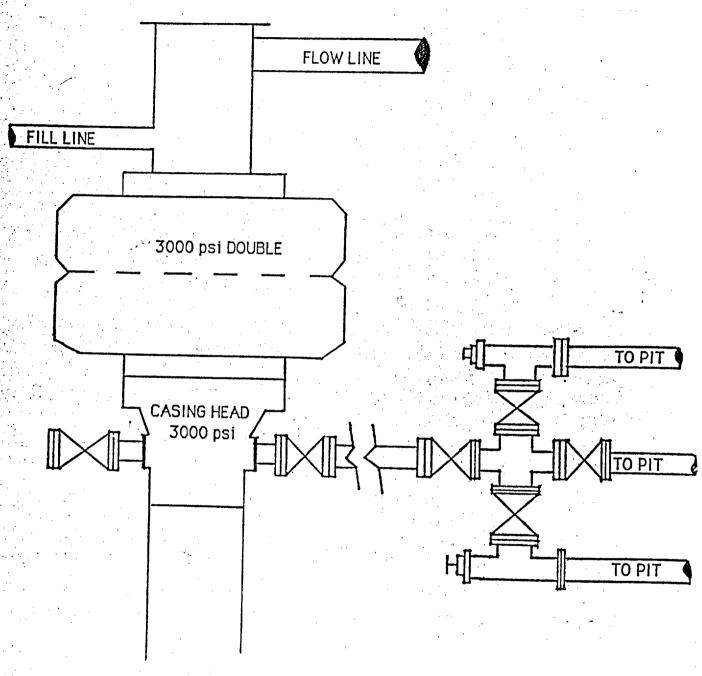
| DISTRIBUTION | P. O. BOX 2088 | Form C-103 · Revised 19-1-78 |
|--|--|--|
| | NTA FE, NEW MEXICO 87501 | NC11364 13-1-76 |
| V.S.O.S. | | 5a. Indicate Type of Lease |
| LAND OFFICE | Commence of the Commence of th | State X Fee |
| OPERATOR | , part, | 5. State Oil & Gas Lease No. |
| | | LG-5246 |
| SUNDRY NOTICES AN | ID REPORTS ON WELLS RECEIVED | |
| (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR USE "APPLICATION FOR PERMIT" | TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. (FORM C-101) FOR SUCH PROPOSALS.) | |
| OIL TT GAS | | 7, Unit Agreement Name |
| WELL A WELL OTHER- | OCT 04 '88 | 8. Farm or Lease Name |
| Plame of Operator | • | Pathfinder AFT State |
| Yates Petroleum Corporation V | O. C. D. | 9. Well No. |
| Address of Operator | ARTESIA, OFFICE | 9. Well No. |
| 105 South Fourth Street - Artesi | a, NM 00210 | 10. Field and Pool, or Wildcat |
| _ | South 2310 | Wildcat |
| UNIT LETTER K 1650 | OM THE SOULIE LINE AND 2010 FEE | T FROM |
| | 100 27E | |
| THE West LINE, SECTION 21 | TOWNSHIP 10S HANGE 27E | нмрм. /////////////////////////////////// |
| 1 | vation (Show whether DF, RT, GR, etc.) | 12. County |
| | 3839.5' GR | Chaves |
| | | |
| | x To Indicate Nature of Notice, Report | |
| NOTICE OF INTENTION TO: | SUBSEQ | UENT REPORT OF: |
| | [-] | The second secon |
| . = | UG AND ABANDON REMEDIAL WORK | ALTERING CASING |
| EMPORARILY ABANDON | COMMENCE DRILLING OPHS. | PLUG AND ABANDONMENT |
| TULL OR ALTER CASING CH. | ANGE PLANS X CASING TEST AND CEMENT JOB | |
| | OTHER | |
| OTHER | | |
| 7. Describe Proposed or Completed Operations (Clearly s. | tate all pertinent details, and give pertinent dates, inc | luding estimated date of starting any proposed |
| work) SEE RULE 1103. | | |
| We propose to move the cable too | 1 rig off the well and move a rot | ary 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. I | f commercial, 5-1/2" 15.5# casing | will be ran and |
| cemented with adequate cover, pe | rforated and stimulated as needed | for production. |
| _ | | |
| MUD PROGRAM: Brine to 4300', st | arch to TD | |
| | | · |
| BOP PROGRAM: BOP's will be inst | alled on the $8-5/8$ " casing and te | sted daily. |
| | | |
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| I harabu oostifu shareta lafaan stan lafaan stan la | amplitude to the heat of my branched and helicit | |
| . I hereby certify that the information above is true and c | complete to the best of my knowledge and belief. | |
| (I) H P M | Downst | Oot 4 1088 |
| ENED Liston 1. 1 ay | Permit Agent | Oct. 4, 1988 |
| | | |
| W/h 1/11 | SUPERVISOR DISTRICT I | OCT 6 1988 |
| PROVED BY // N/W W/N/Warm2 | TITLE GUPERVIOUS SHIP | DATE ULI 0 1900 |

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Porm C-192 Supercodes C-128 Effective 1-1-85

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

| Yates I | Petroleum Corpo | oration Pathfin | der "AFT" State | Well No. |
|--|---|--|-------------------------------|---|
| Letter Beatle | | South 27 Eas | t Chaves | |
| 1650 | twen the South | line and 2310 | West | 44 |
| 3839.5 | Producing Formation FUSSELMAN | Prot WILDC | A.T. | adicated Acresses |
| ا ــــــــــــــــــــــــــــــــــــ | | subject well by calared pen | | alat hakaw |
| : | | to the well, outline such and | | • |
| interest and re- | | | • | |
| | e leane of different on mitisation, unitisation, | mership is dedicated to the w | rell, have the interests of s | ill avaem born censoli- |
| Yes | | yes," type of consolidation | | |
| 127 | | | | |
| this form if nec | eeeery .) | d tract descriptions which ha | | |
| No allowable w | ill be neeigned to the w | ell until all interente have bo non-standard unit, climinating | ren consolidated (by comm | unitisation, unitisation |
| sion. | | The second secon | g out a moreous, mas seen a | pprocess by the Commis |
| | | | | CERTIFICATION |
| | | 1 | I haraby oa | rilly that the information con |
| | | -amir | best of my | to is true and complete to the homologie and belief. |
| | | LEGIBLE | 1 Cly | the R. May |
| | | | { 14 min 1 | on R. May |
| • | • | 1 | Position | nit Agent |
| • | | | Company | |
| <u>*</u> | • | į | Date | croleum Corporatio |
| | | 1 | Octob | er 4, 1988 |
| , | YPC | | | write that the well because |
| · | LG-5246 | A STATE OF THE PARTY OF THE PAR | , shown on a | his plat was placed from find |
| 2310 | //// | Of MEN. | | sparvision, and that the sem |
| 2510 | 1/// | HERSCHEL | in two on | d correct to this best of m and belief. |
| | | | 737-1 | |
| | · | | Date Surveye | |
| | 1650 | PA LAND | B | 17/88 |
| د | | | and/or Land | |
| | 1 | | - Pok | child on |
| 320 000 100 | 1980 1980 1990 2310 30 | 40 2000 1900 1000 | Cortificate N | J640 |



BLOWOUT PREVENTER

| STATE OF NEW MEXICO NERGY AND MINERALS DEPARTMENT | |
|---|---|
| OIL CONSERVATION DIVISION RECEIVED | Camp. C. 101 |
| SANTA FE SANTA FE, NEW MEXICO 87501 | Form C-103 . Revised 10-1-79 API #30-005-62636. |
| FILE | Sa. Indicate Type of Lease |
| LAND OFFICE SEP 01 '88 | State X Fee |
| OPERATOR OF T 1988 TEL - | S. State Oil & Gas Lease No. LG 5246 |
| ADTECA OFFICE | TUTTUTUTUTUTUTUTUTUTUTUTUTUTUTUTUTUTUT |
| SUNDRY NOTICES AND REPORTS ON WELLS AKIESIA, OFFICE (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL ON TO DECEMEN OR PLUG BACK TO A DIFFERENT RESERVOIR. | |
| OIL (V) GAS (T) | 7. Unit Agreement Name |
| Name of Operator | 8. Farm or Lease Name |
| Yates Petroleum Corporation | Pathfinder AFT State |
| Address of Operator | 9. Well No. |
| 105 South 4th St., Artesia, NM 88210 | 10. Field and Pool, or Wildcat |
| 7 1650 | |
| UNIT LETTER K 1000 FEET FROM THE SOUTH LINE AND 2310 FEET FROM | |
| THE West LINE, SECTION 21 TOWNSHIP 10S HANGE 27E NMPM. | |
| 15. Elevation (Show whether DF, RT, GR, etc.) | 12. County |
| 3839.5' GR | Chaves |
| Check Appropriate Box To Indicate Nature of Notice, Report or Oth | ner Data |
| NOTICE OF INTENTION TO: SUBSEQUENT | REPORT OF: |
| PLUG AND ABANDON REMEDIAL WORK | ALTERING CASING |
| EMPORABILY ABANDON COMMENCE DRILLING OPNS. | PLUG AND ABANDONMENT |
| TULL OR ALTER CASING CEMENT JOB CHANGE PLANS CASING TEST AND CEMENT JOB | |
| OTHER | |
| ОТНЕЯ | |
| 7. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including work) SEE RULE 1703. | estimated date of starting any proposed |
| Spudded 12-1/4" hole at 10:30 AM 8-21-88 with Frank's Rathole. No Robinson, NMOCD, Artesia, NM. Resumed drilling with cable tool 9:30 AM 8-23-88. Received verbal permission from Darrell Moore, NMOCD, Artesia, NM, casing. Ran 6 joints 10-3/4" 40.5# J-55 casing set 245'. Texas pattern shoulded in and bailed hole dry. Water shut off. Drilled out and material materials and set 245'. | to set 10-3/4" oe set 245'. ade 2', water |
| broke through seal. Reset casing at 247'. Bailed hole dry. No wa | ater entry. |
| | |
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| | |
| | |
| 8. I hereby certify that the information above is true and complete to the beat of my knowledge and belief. | |
| | 0.07.00 |
| IGHEO Production Supervisor | DATE 8-31-88 |
| PPROVED BY MINE WILLIAM STRICT II | SEP 6 1988 |

CONDITIONS OF APPROVAL, IF ANYL

| STATE OF NEW MEXIC | | OIL CC | NSERVA P. O. BO | TION DIVIS | SION | | 30-00 Form C-101 Revised 10 | 5-62636 |
|--|----------------------------|----------------|--------------------|--|----------------|---------------|-----------------------------------|--|
| DISTRIBUTION SANTA FE V | | SANT | | V MEXICO 875 | 01 | | SA. Indicate | Type of Loase |
| FILE | | | | | | | .S. State Oil | & Gas Leane No. |
| U.S.G.S. | | | | | | İ | T.C. | -5246 |
| OPERATOR | | | | | | | 111111 | |
| APPLICATIO | N FOR PE | RMIT TO DR | HLL, DEEP | EN, OR PLUG B | ACK | | | |
| a. Type of Work | | | | | | | 7. Unit Agre | ement Name |
| DRILL XX | | DE | EPEN 🗌 | | PLUG E | BACK [] | | · |
| b. Type of Well | | | | | | | 8. Farm or L | |
| OIL X WELL WELL | отн | CR | | SINGLE ZONE | MUL | TIPLE ZONE | | der AFT State |
| . Name of Operator | | | | | | | 9. Well No. | 2 |
| Yates Petroleum Co | rporatio | n 🗸 | | | | | | 3 |
| , Address of Operator | | 4 33 | B.E. 00010 | | | | | d Pool, or Wildcal iablo San Andres |
| 105 South Fourth S | | | | | Q -1 | | TTTTT | Tanto pan Andres |
| UNIT LETTI | ERK | LOCATE | <u> 1650 </u> | FEET FROM THE _ | South | LINE | | |
| . 1210 | THE West | LINE OF | · sec. 21 | twp. 10S | pge. 27 | E NMPM | | |
| illimmit in in the contraction i | 177777 | i iinn | THIN | riiriin | Triff | 177777 | 12. County | |
| | | | | | | | Chaves | |
| :::::::::::::::::::::::::::::::::::::: | <i>HHH</i> | <i>++++</i> ++ | <i>†††††</i> | ///////////////////////////////////// | 77777 | 777777 | TTTTT | HHHHH |
| | | | | | | | | |
| HHHHHHH | 777777 | <i>///////</i> | <i> </i> | 19. Proposed De | pth 1 | 9A. Formation | | 20. Rotury or C.T. |
| | /////// | | | 2200' | | San And | res | Cable Tool |
| 1. Elevations (show whether DF. | , KT, etc.) | 21A. Kind & S | atus Plug. Bor | nd 21B. Drilling Co | ntractor | | 22. Approx | . Date Work will start |
| 3839.5' GR | | Blanket | | C & J Cal | le Too | 1 | AS | AP |
| 3. | | PROF | POSED CASING | AND CEMENT PRO | CRAN | | | |
| | | | | · · · · · · · · · · · · · · · · · · · | | | | |
| SIZE OF HOLE | SIZE OF | | | COT SETTING | · | | | EST. TOP |
| 12-1/2" | 8-5/8'' | | .4#_J-55_ | Approx. 6 | 500' | 300 sac | | Circulate |
| 8" | 5-1/2" | | <u>4# J−55</u> | | <u> </u> | 300 sac | ks | |
| | 1 | | | | | | | |
| | • | • | | • | | | | |
| We propose to dr casing will be s and cemented wit | set and c | ement circ | ulated. | If commercial | L, prod | luction c | asing wi | ll be run |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | • |
| | | | | | А | PPROVAL ' | | 1/80 DAYS |
| | | | | | | | | UNDERWAY |
| | | | | | | y www. | DITTELLING | CHERTITI |
| ABOVE SPACE DESCRIBE PRICE TONE, GIVE BLOWOUT PREVENTS | | | OSAL IS TO DEE! | PEN OR PLUG BACK, 619 | E DATA OH | PRESENT PROI | DUCTIVE ZONE | AND PROPOSED NEW PRODU |
| ereby certify that the information | m above is tru | e and complete | to the best of | my knowledge and be | lief. | | | |
| ('luth P | $\gamma \gamma \gamma_{a}$ | | ile I | ermit Agent | | r | Augu | st 17, 1988 |
| inea | | 7 | | CIMIC HECHE | | <i>L</i> | ate | |
| This space for S | itate (ise) | <i>J.</i> | | | | | | |
| mile | 1./11/1. | am | 87 0 | PERVISOR, DIST | RIC T U | | AUG | 1 8 1988 |

INDITIONS OF APPROVAL, IF ANYI

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.

| Operation | | | Lec | ıse | | | Well No. |
|--|---|---|--|--|---|--|---|
| YATES PETROLEUM CORPORATION | | | _ <u>i</u> | PATHFINDER AFT STATE | | | 3 |
| Init Letter | Section | Township | | Hange | County | | |
| K | 21 | 108 | | 27E | СН | AVES | |
| Actual Footage La | cution of Well: | | | | | | |
| 1650 | feet from the | South line or | nd | 2310 | feet from the | West | line |
| Ground Level Elev | . Producing F | ormation | Poc | | 2 | | icated Acreage; |
| 3839.5 | SAN | ANDRES | 16 | lndes ignate | : VIABLOJA | w/wores | 40 Acres |
| 2. If more interest and attention and the second se | the acreage dediction one lease is and royalty). han one lease of communitization, No If is "no;" list the if necessary.) | ated to the subject a dedicated to the w different ownership i unitization, force-po- answer is "yes," type e owners and tract de | well or real of construction well of construction well into the well int | by colored pendutline each and icated to the wester? onsolidation ions which have because have be | il or hachure identify the cell, have the e actually been consolidate | marks on the plownership there interests of all en consolidated ed (by communs, has been app | at below. of (both as to working owners been consolition). (Use reverse side of itization, unitization, proved by the Commission). |
| | 2310 2310 | 5246 | | | | Name Clift Position Perm: Company Yates Petro Date Augu I hemby cert shown on this notes of actual | ty that the information consister on and complete to the swiedge and belief. L. May ton R. May it Agent cleum Corporation ast 17, 1988 ify that the well location plat was plotted from field all surveys made by me or revision, and that the same correct to the best of my belief. Traces IERSCHEINSPRINGERS |
| | | | - 1/2 | | | Corrificate No. | LAND S |
| 0 330 660 | 196 1320 (480) | 080 231C 2640 2 | 000 | 1500 1000 | 8 00 0 | / | 164U |

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 * 1650F * 1650FSL 2310FWL SEC NE SW SPOT YATES PET WSX WSD WELL CLASS INIT WEIN 3 PATHFINDER "AFT" STATE
WELL NO. LEASE NAME 3840GR DIABLO A SE SE FILLD POOL AREA 2500 TO 2000 SOME SOME SOME API 30-005-62636-0001
01/20/1990 01/24/1990 WO-UNIT VERT OIL-WO
SPUD DATE OF COM DATE OF THE STATUS
6588 FILSCEL MN NOT BRED 6588 FUSSELMN NOT RPTD PROJ DEPTHE FIROLORM PROCESSES OF DESCRIPTION OF THE PROCESSES OF DESCRIPTION OF THE PROCESSES OF THE PROCES LOCATION DESCRIPTION 19 MI NE DEXTER, NM TUBING DATA TBG 2 7/8 AT 6360 INITIAL POTENTIAL IPF 360BOPD 545 MCFD 18/64CK 24 FUSSELMN PERF W/ 56/IT 6386- 6415 GROSS PERF 6386- 6392 6401- 6402 6408- 6415 ACID 6386- 6415 500GALS 18/64CK 24HRS 20% NEFE TP 950 GTY 35.0 GOR 1514 /RESERVOIR /FUSSELMAN FIELD POT BASED ON 17 HR TEST, FLWD 255 BO, 386 MCFG FCP PKR PRODUCTION TEST DATA ORDOVICN PERF 6255- 6356 PERF 6255- 6356 6255- 6356 UNDG DRILLING PROGRESS DETAILS YATES PET

CONTINUED IC# 300057002590

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PI-WRS-GET

BB a company of The Dun's Bradstreety of polition YATES PET 3

PATHFINDER "AFT" STATE

WSX WSD

DRILLING PROGRESS DETAILS

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

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.

LOC/1990/
6650 TD, PB 6588

COMP 1/24/90, IPF 360 BO, 545 MCFGPD,
18/64 CK, GOR 1514, GTY 35,
FTP 950, FCP PKR

PROD ZONE FUSSELMAN 6386-6415
FIRST REPORI & COMPLETION

03/14 03/26

03/26

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FUSSELMAN DISCOVERY - SHALLOWER POOL