

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
DISTRICT II
811 South First St., Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410
DISTRICT IV
2040 S. Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

Form C-107-A
Revised August 1999

APPROVAL PROCESS:

Administrative ☐ Hearing ☐

EXISTING WELLBORE

YES ☐ NO ☒

APPLICATION FOR DOWNHOLE COMMINGLING

Conoco Inc.

P.O. Box 2197 Houston, TX 77252-2197

Operator

Address

STATE

4E

D, SEC 32, T-29N, R8W

SAN JUAN

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 005073

Property Code 003251

API NO. 30-045-29781

Federal ☐ State ☒ (and/or) Fee ☐

| | | | |
|---|---|---|---|
| 1. Pool Name and Pool Code | Blanco Mesa Verde 72319 | | Basin Dakota 71599 |
| 2. Top and Bottom of Pay Section (Perforations) | 4065' top 5071' base | | 6770' top 7031' base |
| 3. Type of production (Oil or Gas) | GAS | | GAS |
| 4. Method of Production (Flowing or Artificial Lift) | FLOWING INITIALLY | | FLOWING INITIALLY |
| 5. Bottomhole Pressure | a. (Current) est. 410 psi | a. (Current) est. 410 psi | a. est. 920 psi |
| Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original | b. (Original) est. 1215 psi | b. (Original) est. 1215 psi DEC - 8 1999 | b. est. 2900 psi |
| 6. Oil Gravity (EAPI) or Gas BTU Content | 1214 | | 1200 |
| 7. Producing or Shut-In? | Yes | | Yes |
| Production Marginal? (yes or no) | Date: _____ Rates: _____ | Date: _____ Rates: _____ | Date: _____ Rates: _____ |
| * If Shut-In, give date and oil/gas/water rates of last production | | | |
| Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data | | | |
| * If Producing, give date and oil/gas/water rates of recent test (within 60 days) | Date: _____ Rates: est. 2P 600-700 mcf/d | Date: _____ Rates: _____ | Date: _____ Rates: est. 2P 400 mcf/d |
| 8. Fixed Percentage Allocation Formula - % for each zone (total of %'s to equal 100%) | Oil: _____ Gas: _____ | Oil: _____ Gas: _____ | Oil: _____ Gas: _____ |

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.
10. Are all working, overriding, and royalty interests identical in all commingled zones? ☒ Yes ☐ No
If not, have all working, overriding, and royalty interests been notified by certified mail? ☐ Yes ☐ No
11. Will cross-flow occur? ☒ Yes ☐ No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. ☒ Yes ☐ No (If No, attach explanation)
12. Are all produced fluids from all commingled zones compatible with each other? ☒ Yes ☐ No
13. Will the value of production be decreased by commingling? ☐ Yes ☒ No (If Yes, attach explanation)
14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. ☐ Yes ☐ No
15. NMOC Reference Cases for Rule 303(D) Exceptions: ORDER NO(S). _____
16. ATTACHMENTS:
* C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
* Production curve for each zone for at least one year. (If not available, attach explanation.)
* For zones with no production history, estimated production rates and supporting data.
* Data to support allocation method or formula.
* Notification list of working, overriding, and royalty interests for uncommon interest cases.
* Any additional statements, data, or documents required to support commingling.

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

SIGNATURE Deborah Moore TITLE Regulatory Analyst DATE 12/7/98

Deborah Moore

TYPE OR PRINT NAME _____ TELEPHONE NO. (281) 293-1005

case

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
811 South First, Artesia, NM 87210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised March 25, 1999

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

| |
|---|
| WELL API NO. 30-045-29785 |
| 5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No. |
| 7. Lease Name or Unit Agreement Name: State Com G |
| 8. Well No. 3 |
| 9. Pool name or Wildcat Mesa Verde/Dakota |

| | |
|--|--|
| SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) | |
| 1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other | |
| 2. Name of Operator Conoco Inc. | |
| 3. Address of Operator P.O. Box 2197 DU 3066 Houston, TX 77252-2197 | |
| 4. Well Location Unit <u>P</u> : <u>940</u> feet from the <u>SOUTH</u> line and <u>1015</u> feet from the <u>EAST</u> line Section <u>32</u> Township <u>29N</u> Range <u>8W</u> NMPM County <u>SAN JUAN</u> | |
| 10. Elevation (Show whether DR, RKB, RT, GR, etc.) 6019 GR | |

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐
OTHER: DHC ☒

SUBSEQUENT REPORT OF:

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

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

CONOCO, INC. PROPOSES TO DOWNHOLE COMMINGLE THIS WELL USING THE ATTACHED PROCEDURE.

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

SIGNATURE Deborah Moore TITLE Regulatory Analyst DATE 12/3/99

Type or print name Deborah Moore

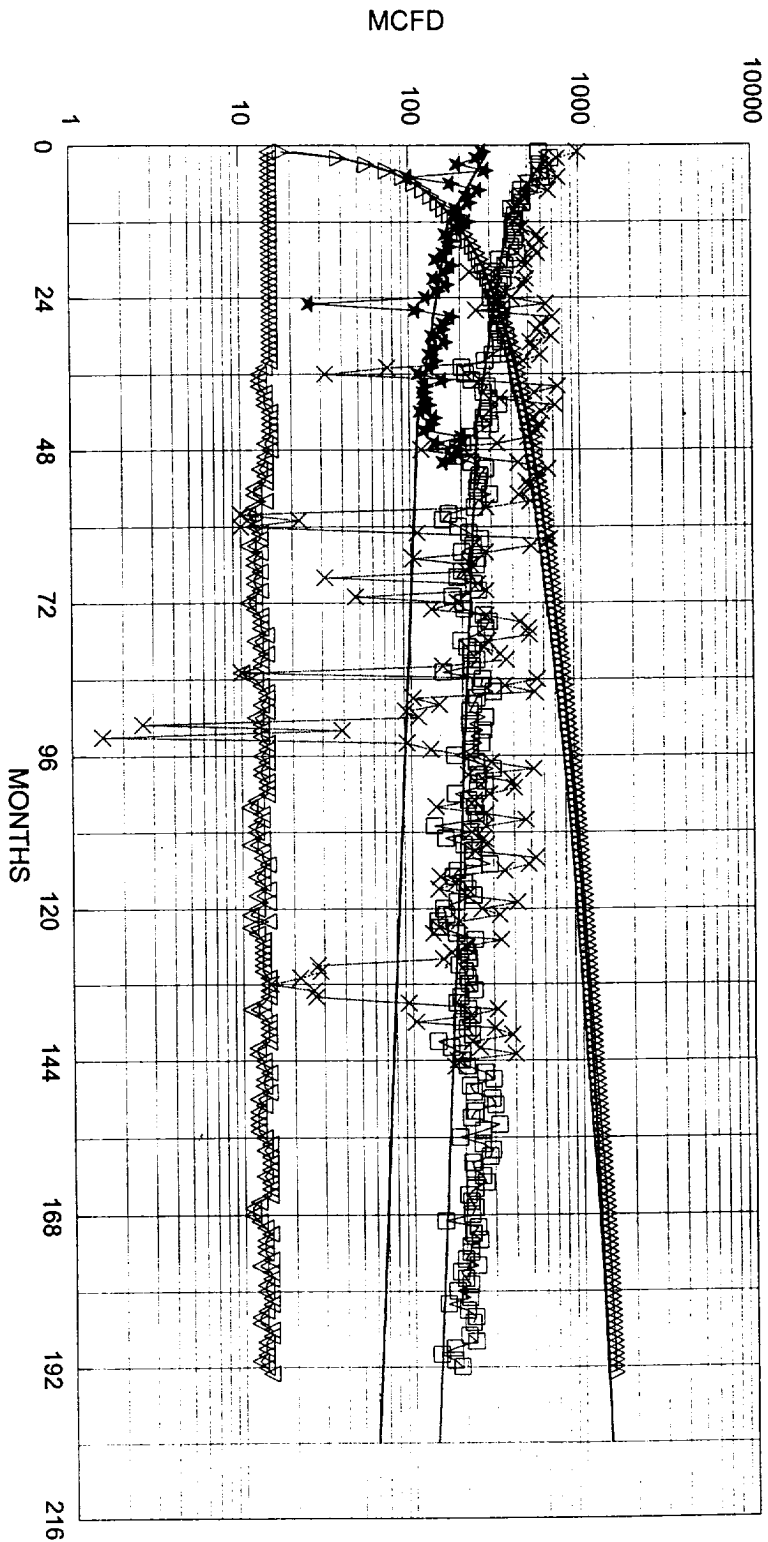
Telephone No. (281) 293-1005

(This space for State use)

APPROVED BY _____ TITLE _____ DATE _____

Conditions of approval, if any:

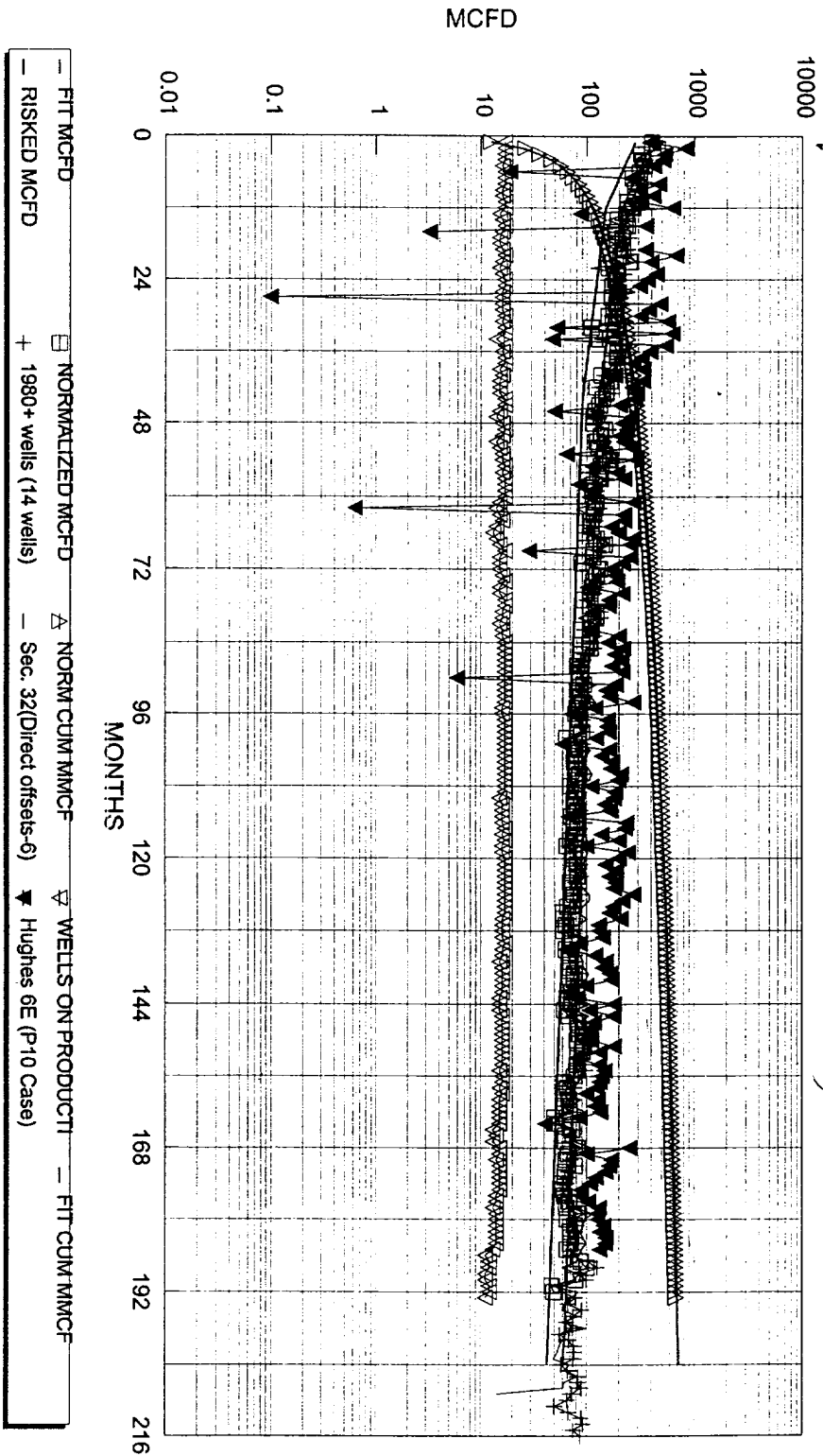
NORMALIZED MESAVERDE PRODUCTION
PROD. SINCE 1978; 15 MV WELLS OFFSETTING 32-29N-8W



Normalized plot for supporting State 4, 4E, G3, G3E

| | | |
|--|---|--|
| NORMALIZED AVG: 2277 MMCF EUR 2104 MMCF/40YRS 25 MCFD E.L. 0.004840 bbl/mcf oil yield | 700 MCFD IP 45% DECLINE, 1ST 12 MONTHS 15% DECLINE, NEXT 36 MONTHS 4.5% FINAL DECLINE | RISKED AVG: 55% RISK 907 MMCF EUR 903 MMCF/36 YRS 25 MCFD E.L. 0.004840 bbl/mcf oil yield |
| | | 315 MCFD IP 45% DECLINE, 1ST 12 MONTHS 15% DECLINE, NEXT 36 MONTHS 4.5% FINAL DECLINE |

NORMALIZED DAKOTA PRODUCTION
PROD. SINCE 1970: 17 DK WELLS OFFSETTING 32-29N-8W



Normalized plot for supporting State Com G-3, G-3E, 4 and 4E wells

| | | | |
|----------------------------|-----------------------------|---------------------------------|-----------------------------|
| NORMALIZED AVG: (P50 Case) | | RISKED AVG: 30% RISK (P90 Case) | |
| 948 MMCF EUR | 425 MCFD IP | 615 MMCF EUR | 298 MCFD IP |
| 945 MMCF/ 32YRS | 50% DECLINE, 1ST 12 MONTHS | 612 MMCF/ 26 YRS | 50% DECLINE, 1ST 12 MONTHS |
| 25 MCFD E.L. | 17% DECLINE, NEXT 36 MONTHS | 25 MCFD E.L. | 17% DECLINE, NEXT 36 MONTHS |
| 0.005723 bbl/mcf oil yield | 5.5% FINAL DECLINE | 0.005723 bbl/mcf oil yield | 6% FINAL DECLINE |

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer 00, Artesia, NM 88211-0719

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

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | |
|-----------------------------|--------------------------------|---------------------|----------------------------|
| *API Number 30-045-29781 | | *Pool Code 71599 | *Pool Name BASIN DAKOTA |
| *Property Code 003251 | *Property Name STATE | | *Well Number 4E |
| *OGRID No. 005073 | *Operator Name CONOCO, INC. | | *Elevation 5924' |

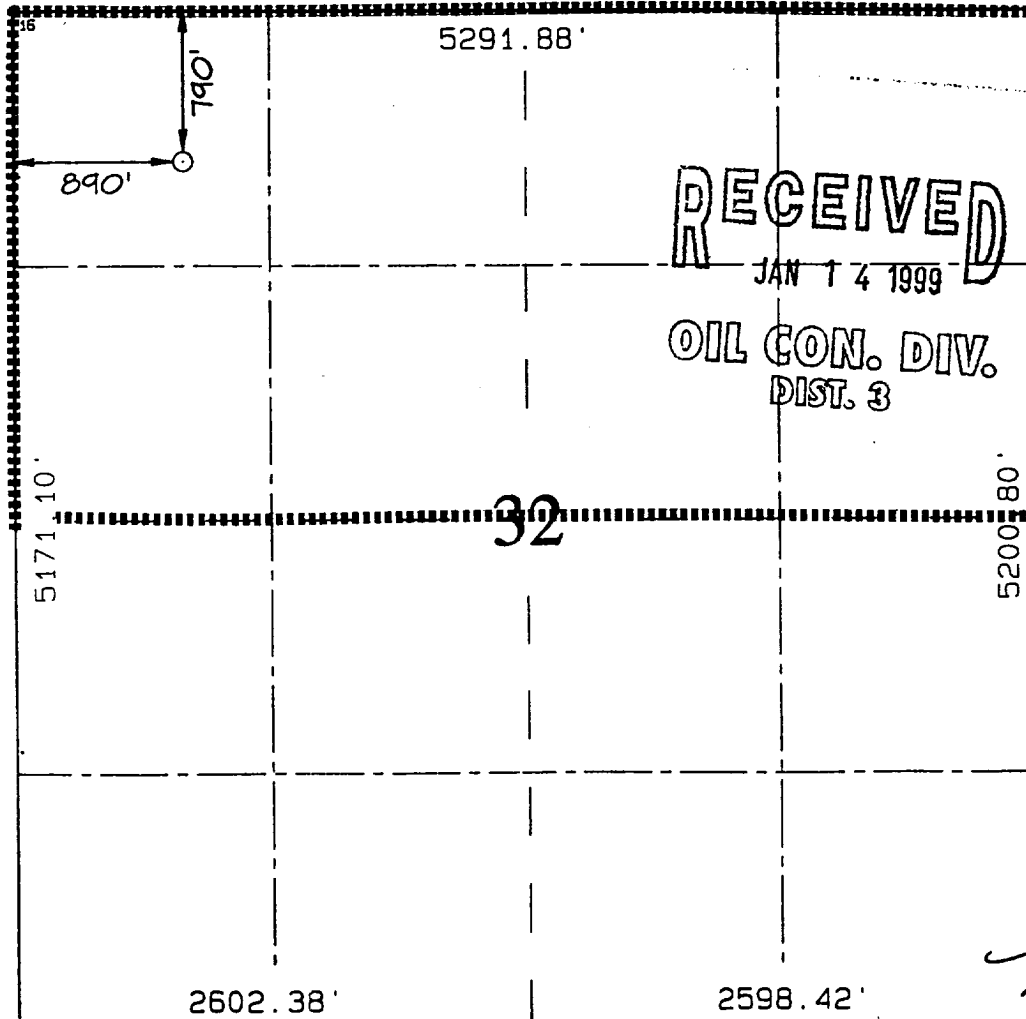
¹⁰ Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| D | 32 | 29N | 8W | | 790 | NORTH | 890 | WEST | SAN JUAN |

¹¹ Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|--------------------------------------|---------|-------------------------------|-------|----------------------------------|---------------|-------------------------|---------------|----------------|--------|
| | | | | | | | | | |
| ¹² Dedicated Acres 320 | | ¹³ Joint or Infill | | ¹⁴ Consolidation Code | | ¹⁵ Order No. | | | |

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

| | | | |
|---|--|---|--|
|  | | 17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature: <u>Mike L. Mankin</u> Printed Name: <u>MIKE L. MANKIN</u> Title: <u>RIGHT-OF-WAY AGENT</u> Date: <u>12-15-98</u> | |
| 32 | | 18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey: <u>DECEMBER 7, 1998</u> Signature and Seal of Professional Surveyor: <u>Neale C. Edwards</u> Certificate Number: <u>6857</u> | |