| Submit 3 Copies To Appropriate District | State of New Mexico | | | Form C-103 | |
|--|--|-------------------------|------------------------------|----------------------------------|------------------------|
| District I | Energy, Minerals a | ınd Natu | ral Resources | | Revised June 10, 2003 |
| 1625 N. French Dr., Hobbs, NM 88240 | | | / | WELL API NO. | .7./1 |
| District II 1301 W. Grand Ave., Artesia, NM 88210 | OIL CONSERV | , | t t | 30 – 039 - 2 5. Indicate Type | of Lense |
| <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 | 1220 South | St. Fran | icis Dr. | STATE | FEE |
| District IV | Santa Fe | , NM 87 | 7 505 | 6. State Oil & G | |
| 1220 S. St. Francis Dr., Santa Fe, NM | | ا الماريمين ر | 77 | Indian/Fed | eral |
| 87505 | | 1500 | | Jicarilla Co | |
| SUNDRY NOT | ICES AND REPORTS ON | WELLS | - On | 7. Lease Name of | or Unit Agreement Name |
| (DO NOT USE THIS FORM FOR PROPO DIFFERENT RESERVOIR. USE "APPLIC | SALS TO DRILL OR TO DEEP. CATION FOR PERMIT" (FOR N | EN OR PLU (C-101) FC | JG BACKTO'A | | |
| PROPOSALS.) | January College | | 0, | Tribal "C" | |
| 1. Type of Well: | • | | | 8. Well Number # 5B | |
| Oil Well Gas Well | Other | 15 | (4) (4) | | |
| 2. Name of Operator | | () () | , C, Y | 9. OGRID Num | ber |
| Patina San Juan, Inc. | | | 0.68 July | 173252 | |
| 3. Address of Operator | | | | 10. Pool name o | |
| 1625 Broadway, Suite 200 4. Well Location | 0, Denver, CO 80202 | <u> </u> | | Basin Dakota / I | Blanco Mesaverde |
| | | | | | |
| Unit Letter K: | 980_feet from the _Sout | <u>h_</u> line a | and <u>1980</u> feet fro | om the <u>East</u> li | ne |
| Section 5 Towns | | 3 We | | | Rio Arriba |
| | al II. Elevation (Silon min | ether DR, | RKB, RT, GR, etc.) | | |
| | 7190' GR | | | | |
| | Appropriate Box to Inc | dicate N | | | |
| NOTICE OF IN | | _ | i e | SEQUENT RE | |
| PERFORM REMEDIAL WORK | PLUG AND ABANDON | | REMEDIAL WORK | (| ALTERING CASING |
| TEMPORARILY ABANDON | CHANGE PLANS | | COMMENCE DRII | LLING OPNS. | PLUG AND ABANDONMENT |
| PULL OR ALTER CASING | MULTIPLE COMPLETION | | CASING TEST AN CEMENT JOB | ID 🗆 | |
| OTHER: Down-hole Commingle | ; pre-approved pools | \boxtimes | OTHER: | | |
| 13. 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 recompletion. | | | | | |
| Patina San Juan, Inc. requ | est approval to down | -hole co | mminale the sub | siect well Patir | na plans to |
| • | • • | | • | • | • |
| down-hole commingle the Basin Dakota (71599) and the Blanco Mesaverde (72319) pools in this wellbore. The commingling of the pools is pre-approved per NMOCD Order #11563. The well will be initially completed | | | | | |
| in both the Dakota and Mesaverde formations. Work will begin soon after approval. | | | | | |
| See Attached Exhibits: | | | | | |
| | | | | | |
| Wellbore Diagram, Allocation Method with supporting data, Statement of Commingle, Interest Owner Notification and Copy of WIO Letter. | | | | | |
| A copy of this application | has been sent to the I | BLM. | | | |
| Please contact Can/Ohln | an at 303 380 3400 | th any a | nuestions 0 | 11 | 1 - |
| Please contact Gary Ohlman at 303.389.3600 with any questions. | | | | | |
| I hereby certify that the information above is true and complete to the best of my knowledge and belief. | | | | | |
| SIGNATURE Jal | | TITLE | Agent for Patir | na San Juan | DATE_10/26/24 |
| Type or print game Joe Mazotti | E-mail address | : jmaza | otti @ easy.net | Telephone 1 | No. 720.352.0158 |
| (This space for State use) | 1 1 | | | | |
| APPPROVED BY | 7/12-1 | DEPUT | y Oil & John Marke | -708, UIST. ## | OCT 23 2004 |
| Conditions of approval if any | <i></i> | | | | |

Recommended Allocation for Commingle

Well: Tribal C #5B

30-day average production based on Offset Well Performance (see attached decline curves)

| G | Zone | Average MCFD | Percentage of total flow |
|---|-------|-----------------|--------------------------|
| а | MV | 48 | 53% |
| s | DK | 42 | 47% |
| | Total | 90 | 100% |

| 0 | Zone | Average BOPD | Percentage of total flow |
|---|-------|-----------------|--------------------------|
| i | MV | 0.1 | 21% |
| | DK | 0.37 | 79% |
| | Total | 0.47 | 100% |

Recommended allocation for future downhole commingled production

| Zone | Gas | Oil |
|-------|------|------|
| MV | 53% | 21% |
| DK | 47% | 79% |
| Total | 100% | 100% |

Tribal "C" #5B Section 5, T26N – R3W Rio Arriba County, New Mexica

Data from surrounding active Dakota and Mesaverde Wells

Dakota Wells

9 active Dakota wells

Gas Production

Well average monthly rate = 11500 mcf

Monthly rater per well = 11500/9 = 1278 mcf

Daily rate per well = 1278/30.416 = 42 mcfd

Oil Production

Well average monthly rate = 100 bopm

Monthly rater per well = 100/9 = 11.11 bopm

Daily rate per well = 11.11/30.416 = 0.37 bopd

Mesaverde Wells

13 active Mesavede wells

Gas Production

Well average monthly rate = 19000 mcf

Monthly rater per well = 19000/13 = 1462 mcf

Daily rate per well = 1462/30.416 = 48 mcfd

Oil Production

Well average monthly rate = 40 bopm

Monthly rater per well = 40/9 = 3.07 bopm

Daily rate per well = 3.07/30.416 = 0.1 bond

Statement of Notification

Tribal "C" #5B
"K", Section 5, T26N – R5W
Rio Arriba County, New Mexico

The interested parties in the two pools affected by this commingle have been sent a copy of this application via certified mail, return receipt requested.

Joe Mazotti

Régulatory Agent for Patina San Juan, Inc.

Statement of Commingling

Tribal "C" #5B
"K", Section 5, T26N – R5W
Rio Arriba County, New Mexico

The commingling of the Blanco Mesaverde and Basin Dakota pools in this wellbore will not reduce the value of the remaining production. Commingling these pools should increase the value of the remaining reserves due to using the remaining reservoir energy in both zones to produce the well.

Commingling operations conducted on other similar wells have resulted in increased production rates and greater reserve than producing the zones separately.



Tribal "C" #5B **Proposed Wellbore**

Elevation: 7190' GR, 7202' KB

9-5/8", 36#, J-55, STC, set @ +/- 250"

Cement w/ +/- 165 cu ft

Location:

1980'FSL, 1980'FEL,

SE/4, Sec 5, T26N, R3W,

Rio Arriba County, NM

Lease #: Jicarilla Contract #97

Field: Zone: Basin Dakota / Blanco Mesaverde Basin Dakota / Blanco Mesaverde

Perfs:

Mesaverde: 5666 - 5748', 6005 -

Dakota: 8116' - 8254'

4-1/2", 11.6#, N-80, Liner set @ +/- 4150' to 8370', circulated preflush, pressure tested to 3,000 psi

7", 20#, J-55, LTC, set @ +/- 4200', Cemtn w/ +/- 1270 cu ft

Proposed Cliff House Mesaverde Perforations 1 JSPF @ 5666 - 5748', 21 shots

Proposed Point Lookout Mesaverde Perforations 1 JSPF @ 6005 - 6153', 24 shots

Proposed Dakota Perforations 1 JSPF @ 8116' - 8254', 24 shots

4-1/2", 11.6#, N-80, Liner set @ +/- 4150' to 8370', cement w/ 750 cu ft

TD: +/- 8370'