

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

|                                                                                                             |                               |                               |
|-------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------|
| 1. Operator Name and Address<br>WILLIAMS PRODUCTION COMPANY, LLC<br>ONE WILLIAMS CENTER<br>TULSA , OK 74101 |                               | 2. OGRID Number<br>120782     |
|                                                                                                             |                               | 3. API Number<br>30-039-30381 |
| 4. Property Code<br>17033                                                                                   | 5. Property Name<br>ROSA UNIT | 6. Well No.<br>017C           |

**7. Surface Location**

|          |         |          |       |         |           |          |           |          |            |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|------------|
| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County     |
| L        | 20      | 31N      | 05W   | L       | 1940      | S        | 535       | W        | RIO ARRIBA |

**8. Pool Information**

|                                 |       |
|---------------------------------|-------|
| BLANCO-MESAVERDE (PRORATED GAS) | 72319 |
|---------------------------------|-------|

**Additional Well Information**

|                              |                                                  |                                   |                                             |                                    |
|------------------------------|--------------------------------------------------|-----------------------------------|---------------------------------------------|------------------------------------|
| 9. Work Type<br>New Well     | 10. Well Type<br>GAS                             | 11. Cable/Rotary                  | 12. Lease Type<br>Private                   | 13. Ground Level Elevation<br>6341 |
| 14. Multiple<br>N            | 15. Proposed Depth<br>6701                       | 16. Formation<br>Mesa Verde Group | 17. Contractor                              | 18. Spud Date<br>4/8/2007          |
| Depth to Ground water<br>100 | Distance from nearest fresh water well<br>> 1000 |                                   | Distance to nearest surface water<br>> 1000 |                                    |

Pit: Liner: Synthetic ☒ 12 \_\_\_\_\_ miles thick Clay ☐ Pit Volume: 12689 \_\_\_\_\_ bbls Drilling Method:  
 Closed Loop System ☐ Fresh Water ☐ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐

**19. Proposed Casing and Cement Program**

| Type | Hole Size | Casing Type | Casing Weight/ft | Setting Depth | Sacks of Cement | Estimated TOC |
|------|-----------|-------------|------------------|---------------|-----------------|---------------|
| Surf | 12.25     | 9.625       | 36               | 300           | 150             | 0             |
| Int1 | 8.75      | 7           | 20               | 4266          | 600             | 0             |
| Prod | 6.25      | 4.5         | 10.5             | 6701          | 155             | 4166          |

**Casing/Cement Program: Additional Comments**

|  |
|--|
|  |
|--|

**Proposed Blowout Prevention Program**

| Type      | Working Pressure | Test Pressure | Manufacturer |
|-----------|------------------|---------------|--------------|
| DoubleRam | 2000             | 4000          |              |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I hereby certify that the information given above is true and complete to the best of my knowledge and belief.<br>I further certify that the drilling pit will be constructed according to NMOCD guidelines <input checked="" type="checkbox"/> a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .<br>Printed Name: Electronically filed by Mike Turnbaugh<br>Title: E & P District Manager<br>Email Address: mike.turnbaugh@williams.com<br>Date: 10/1/2007 | <b>OIL CONSERVATION DIVISION</b><br><br>Approved By: Charlie Perin<br>Title: District Supervisor<br>Approved Date: 10/19/2007   Expiration Date: 10/19/2008<br><br>Conditions of Approval Attached |
| Phone: 918-573-6180                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                    |



## Permit Comments

Operator: WILLIAMS PRODUCTION COMPANY, LLC , 120782

Well: ROSA UNIT #017C

API: 30-039-30381

| Created By | Comment                                                                                                              | Comment Date |
|------------|----------------------------------------------------------------------------------------------------------------------|--------------|
| SHAYDEN    | SWW4 is Fee for gas and oil.                                                                                         | 9/27/2007    |
| SHAYDEN    | There is no setting depth given for the production casing. This is a required field. Please fill it in and resubmit. | 9/27/2007    |

# Permit Conditions of Approval

Operator: WILLIAMS PRODUCTION COMPANY, LLC , 120782

Well: ROSA UNIT #017C

API: 30-039-30381

| OCD Reviewer | Condition                                          |
|--------------|----------------------------------------------------|
| SHAYDEN      | Will require a directional survey with the C-104   |
| KSHARP       | C-102 "As Drilled" plat required for C104 approval |