

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St Francis Dr., Santa Fe, NM 87505

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

Form C-101

**APPLICATION FOR PERMIT TO DRILL**

|  |                              |                            |
|--|------------------------------|----------------------------|
| Operator Name and Address<br>CONCHO RESOURCES, INC.<br>550 W. Texas Ave, Suite 1300<br>Midland, TX 79701 |                              | OGRID Number<br>193407     |
|  |                              | API Number<br>30-025-36450 |
| Property Code<br>33016   | Property Name<br>Burrus "23" | Well No.<br>003            |

**Surface Location**

| UL or Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
|-----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| J         | 23      | 12S      | 38E   | J       | 1650      | S        | 2200      | E        | Lea    |

**Proposed Pools**

|                        |
|------------------------|
| TRINITY;WOLFCAMP 59890 |
|------------------------|

|                       |                        |                       |                       |                                |
|-----------------------|------------------------|-----------------------|-----------------------|--------------------------------|
| Work Type<br>New Well | Well Type<br>OIL       | Cable/Rotary          | Lease Type<br>Private | Ground Level Elevation<br>3789 |
| Multiple<br>N         | Proposed Depth<br>9300 | Formation<br>Wolfcamp | Contractor            | Spud Date<br>10/20/2003        |

**Proposed Casing and Cement Program**

| Type | Hole Size | Casing Size | Casing Weight/ft | Setting Depth | Sacks of Cement | Estimated TOC |
|------|-----------|-------------|------------------|---------------|-----------------|---------------|
| Surf | 17.5      | 13.375      | 48               | 430           | 485             | 0             |
| Int1 | 12.25     | 8.625       | 32               | 4500          | 1240            | 0             |
| Prod | 7.875     | 5.5         | 17               | 9300          | 975             | 4000          |

**Casing/Cement Program: Additional Comments**

|  |
|--|
| Set 13 3/8 48# H40 STC @ 430. Cmt. w/485 sx C w/2% CaCl2 & 1/4# FC (14.8/1.32). Circ to surf. Set 8 5/8 32# HCK55STC csg set @ 4500. Cmt w/1040 sx 50:50:10 Poz C; Gel w/5% salt, 3# gil & 1/4# FC and 200 sx C w/1% CaCl2. Set 5 1/2 17#, N80 & J55 LTC csg @ 9300. Cmt w/525 sx 50:50:10 Poz H; Gel w/5% salt, 5# gil & 1/4# FC and 450 sx 50:50:2 Poz H; Gel w/5% salt, 0.4% D167 (dis), 0.2% D65 (FLA) & 0.1% D13 (retarder) !14.4/1.32) |
|--|

**Proposed Blowout Prevention Program**

| Type       | Working Pressure | Test Pressure | Manufacturer |
|------------|------------------|---------------|--------------|
| Annular    | 3000             | 1500          |              |
| Double Ram | 3000             | 3000          |              |

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

Electronically Signed By: Brenda Coffman

Title: Regulatory Analyst

Date: 10/09/2003

Phone: 432-685-4373

**OIL CONSERVATION DIVISION**

Electronically Approved By: Paul Kautz

Title: Geologist

Approval Date: 10/09/2003

Expiration Date: 10/09/2004

Conditions of Approval:

No Conditions

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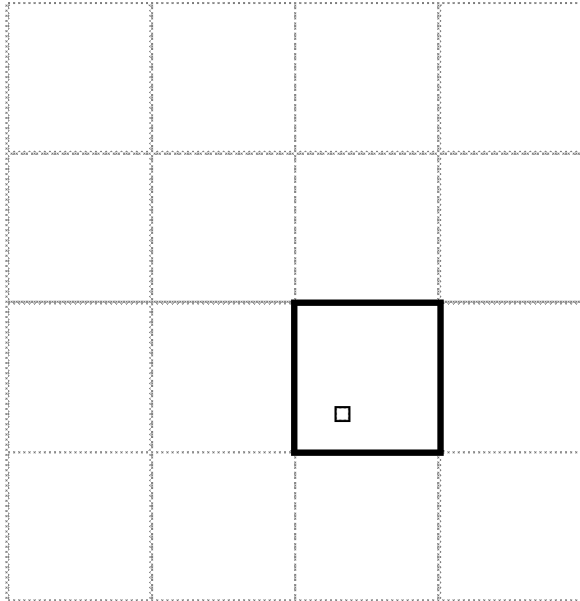
Form C-102

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                            |   |                    |
|----------------------------|---|--------------------|
| API Number<br>30-025-36450 | Pool Name<br>TRINITY;WOLFCAMP           | Pool Code<br>59890 |
| Property Code<br>33016     | Property Name<br>Burrus "23"            | Well No.<br>003    |
| OGRID No.<br>193407        | Operator Name<br>CONCHO RESOURCES, INC. | Elevation<br>3789  |

**Surface And Bottom Hole Location**

|                       |               |                 |              |                    |                   |               |                   |               |               |
|-----------------------|---------------|-----------------|--------------|--------------------|-------------------|---------------|-------------------|---------------|---------------|
| UL or Lot<br>J        | Section<br>23 | Township<br>12S | Range<br>38E | Lot Idn<br>J       | Feet From<br>1650 | N/S Line<br>S | Feet From<br>2200 | E/W Line<br>E | County<br>Lea |
| Dedicated Acres<br>40 |               | Joint or Infill |              | Consolidation Code |                   | Order No.     |                   |               |               |



|  |
|--|
| <p align="center"><b>OPERATOR CERTIFICATION</b></p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <p>Electronically Signed By: Brenda Coffman<br/>Title: Regulatory Analyst<br/>Date: 10/09/2003</p>   |
| <p align="center"><b>SURVEYOR CERTIFICATION</b></p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p>Surveyed By: V. L. Bezner<br/>Date of Survey: 09/15/2003<br/>Certificate Number: 7920</p> |