

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><b>Matador Operating Company<br/>8340 Meadow Road #150<br/>Dallas, TX 75231</b> |  | OGRID Number<br><b>14245</b>     |
|  |  | API Number<br><b>30-25-36308</b> |
| Property Code<br><b>31990</b>  | Property Name<br><b>SHELLEY 36 STATE</b> | Well No.<br><b>004</b>           |

### Surface Location

| UL or Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
|-----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| K         | 36      | 19S      | 37E   |         | 2310      | S        | 1980      | W        | Lea    |

### Proposed Pools

|                            |
|----------------------------|
| <b>MONUMENT;TUBB 47090</b> |
|----------------------------|

|                              |                               |                          |                            |                                       |
|------------------------------|-------------------------------|--------------------------|----------------------------|---------------------------------------|
| Work Type<br><b>New Well</b> | Well Type<br><b>Oil</b>       | Cable/Rotary             | Lease Type<br><b>State</b> | Ground Level Elevation<br><b>3596</b> |
| Multiple<br><b>N</b>         | Proposed Depth<br><b>7200</b> | Formation<br><b>Tubb</b> | Contractor                 | Spud Date<br><b>6/25/2003</b>         |

### Proposed Casing and Cement Program

| Type | Hole Size | Casing Size | Casing Weight/ft | Setting Depth | Sacks of Cement | Estimated TOC |
|------|-----------|-------------|------------------|---------------|-----------------|---------------|
| Surf | 12.25     | 8.625       | 24               | 1350          | 450             | 0             |
| Prod | 7.875     | 5.5         | 17               | 7200          | 750             | 2000          |

### Proposed Blowout Prevention Program

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

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

Electronically Signed By: **Jim Kramer**

Title: **Senior Drilling Engineer**

Date: **6/20/2003**

Phone: **214-987-7128**

### OIL CONSERVATION DIVISION

Electronically Approved By: **Paul Kautz**

Title: **Geologist**

Approval Date: **6/23/2003**

Expiration Date: **6/23/2004**

Conditions of Approval:  
**No Conditions**

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State of New Mexico

Form C-102

## Energy, Minerals and Natural Resources

## Oil Conservation Division

1220 S. St Francis Dr.

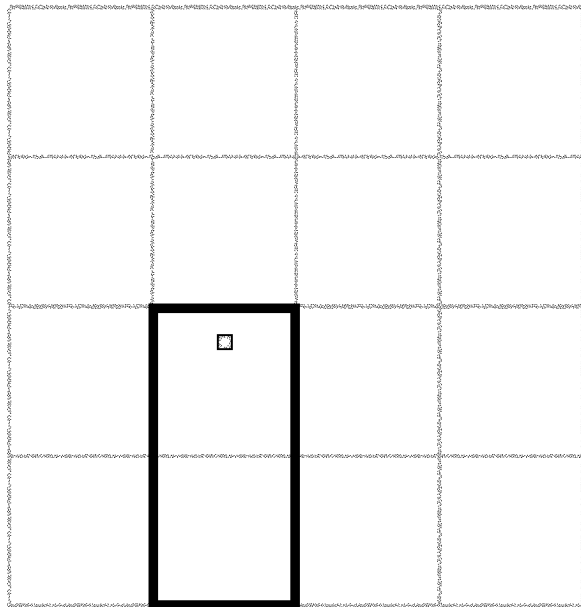
Santa Fe, NM 87505

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                           |  |                    |
|---------------------------|--|--------------------|
| API Number<br>30-25-36308 | Pool Name<br>MONUMENT;TUBB                 | Pool Code<br>47090 |
| Property Code<br>31990    | Property Name<br>SHELLEY 36 STATE          | Well No.<br>004    |
| OGRID No.<br>14245        | Operator Name<br>Matador Operating Company | Elevation<br>3596  |

**Surface And Bottom Hole Location**

|                       |               |                 |              |                    |                   |               |                   |               |               |
|-----------------------|---------------|-----------------|--------------|--------------------|-------------------|---------------|-------------------|---------------|---------------|
| UL or Lot<br>K        | Section<br>36 | Township<br>19S | Range<br>37E | Lot Idn            | Feet From<br>2310 | N/S Line<br>S | Feet From<br>1980 | E/W Line<br>W | County<br>Lea |
| Dedicated Acres<br>80 |               | Joint or Infill |              | Consolidation Code |                   | Order No.     |                   |               |               |

**OPERATOR CERTIFICATION**

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

Electronically Signed By: Jim Kramer

Title: Senior Drilling Engineer

Date: 6/20/2003

**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.*

Electronically Signed By: V. L. Bezner

Date of Survey: 6/13/2003

Certificate Number: 7920

|  |                     |
|--|---------------------|
| I hereby certify that the information given above is true and complete to the best of my knowledge and belief. |                     |
| Electronically Signed By: Jerry Sherrell   |                     |
| Title: Production Clerk  |                     |
| Date: 6/23/2003  | Phone: 505-748-1288 |

|  |                            |
|--|----------------------------|
| OIL CONSERVATION DIVISION                |                            |
| Electronically Approved By: Paul Kautz   |                            |
| Title: Geologist                         |                            |
| Approval Date: 6/23/2003                 | Expiration Date: 6/23/2004 |
| Conditions of Approval:<br>No Conditions |                            |