

**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>RANGE OPERATING NEW MEXICO INC<br>777 MAIN STREET<br>FT WORTH, TX 76102 |  | 2. OGRID Number<br>227588     |
|   |  | 3. API Number<br>30-025-37613 |
| 4. Property Code<br>301551  | 5. Property Name<br>NEW MEXICO M STATE | 6. Well No.<br>052            |

**7. Surface Location**

| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| J        | 18      | 22S      | 37E   | J       | 1420      | S        | 2310      | E        | LEA    |

**8. Pool Information**

|          |       |
|----------|-------|
| DRINKARD | 19190 |
|----------|-------|

**Additional Well Information**

|  |                            |  |                         |  |
|--|----------------------------|--|-------------------------|--|
| 9. Work Type<br>New Well   | 10. Well Type<br>OIL       | 11. Cable/Rotary                                 | 12. Lease Type<br>State | 13. Ground Level Elevation<br>3414       |
| 14. Multiple<br>N  | 15. Proposed Depth<br>6800 | 16. Formation<br>Abo                             | 17. Contractor          | 18. Spud Date<br>8/1/2005                |
| Depth to Ground water<br>190   |                            | Distance from nearest fresh water well<br>> 1000 |                         | Distance to nearest surface water<br>250 |
| Pit: Liner: Synthetic <input checked="" type="checkbox"/> 20 _____ miles thick Clay <input type="checkbox"/> Pit Volume: 6200 _____ bbls Drilling Method:<br>Closed Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/> |                            |  |                         |  |

**19. Proposed Casing and Cement Program**

| Type | Hole Size | Casing Type | Casing Weight/ft | Setting Depth | Sacks of Cement | Estimated TOC |
|------|-----------|-------------|------------------|---------------|-----------------|---------------|
| Surf | 11        | 8.625       | 24               | 1116          | 700             | 0             |
| Prod | 7.875     | 5.5         | 17               | 6800          | 1250            | 916           |

**Casing/Cement Program: Additional Comments**

1. Drill 11" hole to depth of 1116'. 2. Set 8 5/8 casing, cement same to surface. 3. Test csg BOPs to 1500 psi prior to drilling out shoe joint. 4. Drill 7 7/8" hole to depth of 6800'. Log & evaluate. 5. If productive, run 5 1/2 csg to 6800' & cement same to surface.

**Proposed Blowout Prevention Program**

| Type      | Working Pressure | Test Pressure | Manufacturer |
|-----------|------------------|---------------|--------------|
| DoubleRam | 3000             | 3000          | Schaffer     |

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

I further certify that the drilling pit will be constructed according to NMOCB guidelines ☒ a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed Name: Electronically filed by Linda Stiles

Title: Sr Engineering Tech

Email Address: lstyles@rangeresources.com

Date: 12/30/2005

Phone: 817-810-1908

**OIL CONSERVATION DIVISION**

Approved By: Paul Kautz

Title: Geologist

Approved Date: 1/4/2006

Expiration Date: 1/4/2007

Conditions of Approval Attached

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(505) 393-6161 Fax:(505) 393-0720  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
Phone:(505) 748-1283 Fax:(505) 748-9720  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
District IV  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Permit 13216

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                               |  |                          |
|-------------------------------|--|--------------------------|
| 1. API Number<br>30-025-37613 | 2. Pool Code<br>19190                              | 3. Pool Name<br>DRINKARD |
| 4. Property Code<br>301551    | 5. Property Name<br>NEW MEXICO M STATE             | 6. Well No.<br>052       |
| 7. OGRID No.<br>227588        | 8. Operator Name<br>RANGE OPERATING NEW MEXICO INC | 9. Elevation<br>3414     |

10. Surface Location

|               |               |                 |              |         |                   |               |                   |               |               |
|---------------|---------------|-----------------|--------------|---------|-------------------|---------------|-------------------|---------------|---------------|
| UL - Lot<br>J | Section<br>18 | Township<br>22S | Range<br>37E | Lot Idn | Feet From<br>1420 | N/S Line<br>S | Feet From<br>2310 | E/W Line<br>E | County<br>LEA |
|---------------|---------------|-----------------|--------------|---------|-------------------|---------------|-------------------|---------------|---------------|

11. Bottom Hole Location If Different From Surface

|                              |                     |                        |               |         |           |          |           |          |        |
|------------------------------|---------------------|------------------------|---------------|---------|-----------|----------|-----------|----------|--------|
| UL - Lot                     | Section             | Township               | Range         | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
| 12. Dedicated Acres<br>40.00 | 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

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

## Permit Comments

**Operator:** RANGE OPERATING NEW MEXICO INC , 227588

**Well:** NEW MEXICO M STATE #052

**API:** 30-025-37613

| Created By | Comment  | Comment Date |
|------------|--|--------------|
| DMULL      | NSL-5322, 12/29/05, 1420/S & 2310/E, Drinkard formation. | 1/3/2006     |

# Permit Conditions of Approval

Operator: RANGE OPERATING NEW MEXICO INC , 227588

Well: NEW MEXICO M STATE #052

API: 30-025-37613

| OCD<br>Reviewer | Condition   |
|-----------------|---|
| pkautz          | Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines |
| pkautz          | prior to any pit construction notify Gary Wink at 505-393-6161 ext 114  |