# State of New Mexico

#### Form C-101 Permit 115431

# **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

| MARBOB           | Name and Address<br>ENERGY CORP | 2. OGRID Number<br>14049 |  |  |
|------------------|---------------------------------|--------------------------|--|--|
| PO               | 3. API Number                   |                          |  |  |
| ARTESIA          | 30-015-37935                    |                          |  |  |
| 4. Property Code | 5. Property Name                | 6. Wett No.              |  |  |
| 38205            | COFFIN STATE                    | 001                      |  |  |

## 7. Surface Location

| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| D        | 30      | 198      | 26E   | 1       | 330       | N        | 330       | W        | EDDY   |

# 8. Pool Information

WILDCAT G-01 \$192617K;GLOR-YESO 97788

### Additional Well Information

|  | 160                   | and the same of th | Additional Well II                          | IIII IIII IIII                               |                            |
|--|-----------------------|--|---|--|----------------------------|
| 9. Work Type         10. Well Type           New Well         OIL           14. Multiple         15. Proposed Depth           N         4500 |                       | 11. Cable/Rotary   | 11. Cable/Rotary 12. Lease Type State       |  |                            |
|  |                       |  | 16. Formation 17. Contractor Yeso Formation |  | 18. Spud Date<br>6/25/2010 |
| Depth to Ground  | Depth to Ground water |  | Distance from nearest fre                   | Distance to nearest surface water            |                            |
| it: Liner: Synthetic Closed Loop Syste   | m 「                   | mils thick   | Clay Pit Volume:                            | bbls Drilling Method:<br>Fresh Water X 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               | 1000          | 675             | 0             |
| Prod | 8.75      | 7           | 23               | 4500          | 700             | 1000          |

# Casing/Cement Program: Additional Comments

Marbob proposes to drill 12 1/4" hole to 1000' with fresh water, run 9 5/8" 36# casing and cement to surface. Drill 8 3/4" hole to 4500' with cut brine, run 7" 23# N80 casing and cement to 1000'.

Proposed Blowout Prevention Program

| Type      | Working Pressure | Test Pressure | Manufacturer | ] |
|-----------|------------------|---------------|--------------|---|
| DoubleRam | 2000             | 2000          | Cameron      | 1 |

| 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 | OIL CONSERVATION DIVISION                           |  |  |  |  |
|--|---|--|--|--|--|
| NMOCD guidelines , a general permit , or an (attached) alternative OCD-approved plan .   | Approved By: Randy Dade                             |  |  |  |  |
| Printed Name: Electronically filed by Diana Briggs   | Title: District Supervisor                          |  |  |  |  |
| Title: Production Manager  | Approved Date: 6/18/2010 Expiration Date: 6/18/2012 |  |  |  |  |
| Email Address: production@marbob.com   |   |  |  |  |  |
| Date: 6/10/2010 Phone: 575-748-3303  | 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

# State of New Mexico

Form C-102 Permit 115431

# Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr.

Santa Fe, NM 87505

### WELL LOCATION AND ACREAGE DEDICATION PLAT

| 1. API Number   | 2. Pool Code     |                  | 3. Pool Name          |  |
|-----------------|------------------|------------------|-----------------------|--|
| 1. API Number   | 2. Pool Code     |                  | 3. Pool Name          |  |
| 30-015-37935    | 97788            | WILDCAT G-       | 01 S192617K;GLOR-YESO |  |
| . Property Code | 5. Property Name |                  | 6. Well No.           |  |
| 38205           | COFFIN           | STATE            | 001                   |  |
| 7. OGRID No.    | 8. Operat        | 8. Operator Name |                       |  |
| 14049           | MARBOB EN        | 3405             |                       |  |

### 10. Surface Location

| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| D        | 30      | 198      | 26E   | 1.      | 330       | N        | 330       | W        | EDDY   |

# 11. Bottom Hole Location If Different From Surface

| UL - Lot                                  | Section     | Township | Range           | Lot | Idn | Feet From         | N/S L | ine | Feet From | E/W Line      | County |
|---|-------------|----------|-----------------|-----|-----|-------------------|-------|-----|-----------|---------------|--------|
| V. 100 100 100 100 100 100 100 100 100 10 | cated Acres | 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

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

## OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

E-Signed By: Diana Briggs Title: Production Manager

Date: 6/10/2010

### 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.

Surveyed By: Ronald Eidson Date of Survey: 5/28/2010 Certificate Number: 3239

# **Permit Comments**

Operator: MARBOB ENERGY CORP , 14049 Well: COFFIN STATE #001

API: 30-015-37935

| Created<br>By | Comment   | Comment<br>Date |
|---------------|---|-----------------|
| MARBOB4       | Marbob Energy has conducted a review to determine if an H2S contingency plan is required for the above referenced well. We were able to conclude that any potential hazardous volume would be minimal. H2S concentrations of wells in this area from surface to TD are low enough; therefore we do not believe that an H2S Contingency Plan would be necessary. | 6/10/2010       |

# Permit Conditions of Approval

Operator: MARBOB ENERGY CORP , 14049
Well: COFFIN STATE #001

30-015-37935 API:

| OCD<br>Reviewer | Condition  |
|-----------------|--|
| pkautz          | Once the well is spud, to prevent ground water contamination through whole or partial conduits from the<br>surface, the operator shall drill without interruption through the fresh water zone or zones and shall<br>immediately set in cement the water protection string |