

**Santa Fe, NM 87505**

|  |                               |                               |
|--|-------------------------------|-------------------------------|
| 1. Operator Name and Address<br>MACK ENERGY CORP<br>PO BOX 960<br>ARTESIA , NM 88211 |                               | 2. OGRID Number<br>13837      |
|  |                               | 3. API Number<br>30-015-36066 |
| 4. Property Code<br>36961  | 5. Property Name<br>IVY STATE | 6. Well No.<br>001            |

|               |               |                 |              |              |                  |               |                   |               |                |
|---------------|---------------|-----------------|--------------|--------------|------------------|---------------|-------------------|---------------|----------------|
| UL - Lot<br>C | Section<br>32 | Township<br>16S | Range<br>30E | Lot Idn<br>C | Feet From<br>330 | N/S Line<br>N | Feet From<br>1650 | E/W Line<br>W | County<br>EDDY |
|---------------|---------------|-----------------|--------------|--------------|------------------|---------------|-------------------|---------------|----------------|

|                   |       |
|-------------------|-------|
| WC; GLORIETA-YESO | 97482 |
|-------------------|-------|

|   |                      |  |                         |                                    |
|---|----------------------|--|-------------------------|------------------------------------|
| 9. Work Type<br>New Well  | 10. Well Type<br>OIL | 11. Cable/Rotary                       | 12. Lease Type<br>State | 13. Ground Level Elevation<br>3731 |
| 14. Multiple<br>N   | 15. Proposed Depth   | 16. Formation<br>Blinebry              | 17. Contractor          | 18. Spud Date<br>1/30/2008         |
| Depth to Ground water<br>110  |                      | Distance from nearest fresh water well |                         | Distance to nearest surface water  |
| Pit: Liner: Synthetic <input type="checkbox"/> mls thick      Clay <input type="checkbox"/> Pit Volume:      bbls      Drilling Method:   |                      |  |                         |                                    |
| Closed Loop System <input checked="" type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/> |                      |  |                         |                                    |

| Type | Hole Size | Casing Type | Casing Weight/ft | Setting Depth | Sacks of Cement | Estimated TOC |
|------|-----------|-------------|------------------|---------------|-----------------|---------------|
| Surf | 17.5      | 13.375      | 48               | 425           | 450             | 0             |
| Prod | 8.75      | 5.5         | 17               | 6000          | 1700            | 0             |

Mack Energy proposes to drill a 17 1/2 hole to 425', run 13 3/8 casing and cement. Drill a 8 3/4 hole to 6000', test Blinberry formation. Run 5 1/2 casing and cement. Note: On production string a fluid caliper will be run and will figure cement with excess, attempt to circulate.

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

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

Form C-102  
 Permit 68106

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                               |                                      |                                   |
|-------------------------------|--------------------------------------|-----------------------------------|
| 1. API Number<br>30-015-36066 | 2. Pool Code<br>97482                | 3. Pool Name<br>WC; GLORIETA-YESO |
| 4. Property Code<br>36961     | 5. Property Name<br>IVY STATE        | 6. Well No.<br>001                |
| 7. OGRID No.<br>13837         | 8. Operator Name<br>MACK ENERGY CORP | 9. Elevation<br>3731              |


**10. Surface Location**

|               |               |                 |              |         |                  |               |                   |               |                |
|---------------|---------------|-----------------|--------------|---------|------------------|---------------|-------------------|---------------|----------------|
| UL - Lot<br>C | Section<br>32 | Township<br>16S | Range<br>30E | Lot Idn | Feet From<br>330 | N/S Line<br>N | Feet From<br>1650 | E/W Line<br>W | County<br>EDDY |
|---------------|---------------|-----------------|--------------|---------|------------------|---------------|-------------------|---------------|----------------|

**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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|  |   |  |  |

**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: Jerry Sherrell  
 Title: Production Clerk  
 Date: 1/22/2008

**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: 1/9/2008  
 Certificate Number: 3239



## Permit Comments

Operator: MACK ENERGY CORP , 13837

Well: IVY STATE #001

API: 30-015-36066

| Created By | Comment   | Comment Date |
|------------|---|--------------|
| JWSHERRELL | H2S concentrations of wells in this area from surface to TD are low enough that a contingency plan is not required. | 1/22/2008    |



# Permit Conditions of Approval

Operator: MACK ENERGY CORP , 13837

Well: IVY STATE #001

API: 30-015-36066

| OCD<br>Reviewer | Condition   |
|-----------------|---|
| BArrant         | 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 |
| BArrant         | As noted, operator drill w/fresh water mud while drilling surface hole and set casing above the Salado.   |