

**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>CIMAREX ENERGY CO.<br>15 EAST 5TH STREET<br>TULSA , OK 74103 |                                              | 2. OGRID Number<br>215099     |
|                                                                                              |                                              | 3. API Number<br>30-045-34188 |
| 4. Property Code<br>36345                                                                    | 5. Property Name<br>ILLINOIS AVE 13-36-21-11 | 6. Well No.<br>001            |

**7. Surface Location**

| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County   |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|----------|
| M        | 36      | 21N      | 11W   | M       | 466       | S        | 612       | W        | SAN JUAN |

**8. Pool Information**

|                          |   |
|--------------------------|---|
| WC 21N11W36; Entrada Oil | 0 |
|--------------------------|---|

**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>6366       |
| 14. Multiple<br>N           | 15. Proposed Depth<br>5000 | 16. Formation<br>Entrada Formation               | 17. Contractor          | 18. Spud Date                            |
| Depth to Ground water<br>50 |                            | Distance from nearest fresh water well<br>> 1000 |                         | Distance to nearest surface water<br>500 |

Pit: Liner: Synthetic ☒ 12 \_\_\_\_\_ miles thick Clay ☐ Pit Volume: 13350 bbls Drilling Method:  
 Closed Loop System ☐ Fresh Water ☐ 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       | 24               | 300           | 250             | 0             |
| Prod | 7.875     | 5.5         | 11.6             | 5000          | 650             | 0             |

**Casing/Cement Program: Additional Comments**

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

**Proposed Blowout Prevention Program**

| Type    | Working Pressure | Test Pressure | Manufacturer |
|---------|------------------|---------------|--------------|
| Annular | 3000             | 3000          | Regan        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| I hereby certify that the information given above is true and complete to the best of my knowledge and belief.<br>I further certify that the drilling pit will be constructed according to NMOCD guidelines <input checked="" type="checkbox"/> a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .<br>Printed Name: Electronically filed by Sharon LaValley<br>Title: Manager<br>Email Address: slavalley@cimarex.com<br>Date: 2/27/2007   Phone: 918-295-1673 | <b>OIL CONSERVATION DIVISION</b><br><br>Approved By: Charlie Perrin<br>Title: District Supervisor<br>Approved Date: 3/8/2007   Expiration Date: 3/8/2008 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|

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 & Mining Resources Department  
OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C - 102  
Revised October 12, 2005  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

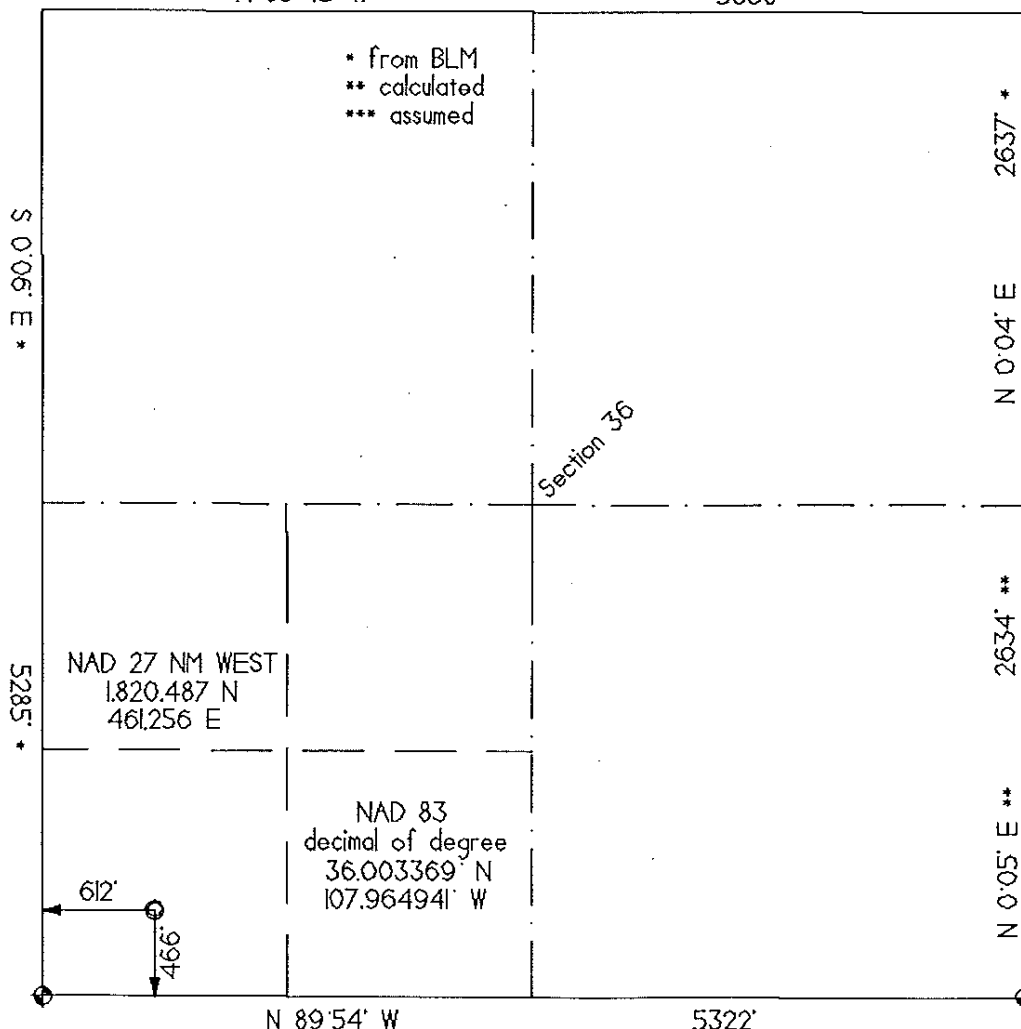
|               |                                           |                    |
|---------------|-------------------------------------------|--------------------|
| APA Number    | Pool Code                                 | Pool Name          |
| Property Code | Property Name<br>Illinois Ave 13-36-21-II | Well Number<br>1   |
| OGRID No.     | Operator Name<br>CIMAREX ENERGY CO.       | Elevation<br>6366' |

| Surface Location |      |       |       |          |             |             |             |           |          |
|------------------|------|-------|-------|----------|-------------|-------------|-------------|-----------|----------|
| UL or Lot        | Sec. | Twp.  | Rge.  | Lot Ltn. | Feet from > | North/South | Feet from > | East/West | County   |
| M                | 36   | 21 N. | 11 W. |          | 466'        | South       | 612'        | West      | San Juan |

| Bottom Hole Location If Different From Surface |      |      |      |          |             |             |             |           |        |
|------------------------------------------------|------|------|------|----------|-------------|-------------|-------------|-----------|--------|
| UL or Lot                                      | Sec. | Twp. | Rge. | Lot Ltn. | Feet from > | North/South | Feet from > | East/West | County |
|                                                |      |      |      |          |             |             |             |           |        |

|                 |                 |                    |           |
|-----------------|-----------------|--------------------|-----------|
| Dedicated Acres | Joint or Infill | Consolidation Code | 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.  
N 89°45' W \* 5338' \*



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| <b>OPERATOR CERTIFICATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                  |
| 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 bottom hole location 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 pool agreement or a compulsory pooling order heretofore entered by the division. |                  |
| Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2/27/07          |
| Signature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Sharon LaValley  |
| Printed Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Sharon LaValley  |
| <b>SURVEYOR CERTIFICATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                  |
| 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.                                                                                                                                                                                                                                                                               |                  |
| Date of survey                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 01 24 '07        |
| Signature of State Professional Surveyor                                                                                                                                                                                                                                                                                                                                                                                                                                                    | G. S. HODDLESTON |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |
| Certificate Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6844             |