

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

C.I.L CONSERVATION DIVISION

Form C-101  
Revised 10-1-78

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

|                        |  |
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|                                                                                                      |
|------------------------------------------------------------------------------------------------------|
| 5A. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |
| 5. State Oil & Gas Lease No.                                                                         |
| 7. Unit Agreement Name                                                                               |
| 8. Farm or Lease Name<br>Phyllis                                                                     |
| 9. Well No.<br>2                                                                                     |
| 10. Field and Pool, or Wildcat<br>St Charles<br>Gaprock Queen Gas                                    |
| 12. County<br>Chaves                                                                                 |

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

|                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------|
| a. Type of Work<br>DRILL <input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/> |
| b. Type of Well<br>OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>           |

|                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2. Name of Operator<br>Yates Drilling Company                                                                                                                                                               |
| 3. Address of Operator<br>207 S. 4th Street, Artesia, N.M. 88210                                                                                                                                            |
| 4. Location of Well<br>UNIT LETTER <u>K</u> LOCATED <u>1730</u> FEET FROM THE <u>West</u> LINE<br>AND <u>1980</u> FEET FROM THE <u>South</u> LINE OF SEC. <u>3</u> TWP. <u>13S</u> RGE. <u>31E</u> N.M.P.M. |

|                                                       |                                             |                             |                         |                     |
|-------------------------------------------------------|---------------------------------------------|-----------------------------|-------------------------|---------------------|
| 1. Elevations (show whether DF, RI, etc.)<br>4173' GR | 21A. Kind & Status Plug. Bond<br>Blanket    | 19. Proposed Depth<br>2825' | 19A. Formation<br>Queen | 20. History or C.T. |
| 21B. Drilling Contractor<br>Reverse Unit              | 22. Approx. Date Work will start<br>5/29/84 |                             |                         |                     |

PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|--------------|----------------|-----------------|---------------|-----------------|----------|
| 11"          | 8 5/8"         | 32#             | 453           | 200 sx.         |          |
| 8"           | 5 1/2"         | 14#             | 2650          | 100 sx.         |          |

We propose to deepen well 50' and if successful, we will run a 3 1/2" liner, cemented back into present casing at 2650'.

Formerly the Bill J. Graham Phyllis Williams well.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Bill Davis by J. Sexton Title Production Supervisor Date 5/23/84  
(This space for State Use)

MAY 25 1984

APPROVED BY ORIGINAL SIGNED BY JERRY SEXTON TITLE DISTRICT SUPERVISOR DATE   
CONDITIONS OF APPROVAL, IF ANY: