

## OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-101

Revised 10-1-78

|                        |  |
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| OPERATOR               |  |

|                                |                                         |
|--------------------------------|-----------------------------------------|
| 5A. Indicate Type of Lease     |                                         |
| STATE <input type="checkbox"/> | FEE <input checked="" type="checkbox"/> |
| 5. State Oil & Gas Lease No.   |                                         |

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

|                                                                                                                                                                                                              |                                             |                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------------|
| 1a. Type of Work<br>DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>                                                                             |                                             | 7. Unit Agreement Name<br>HANCOCK D               |
| b. Type of Well<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> |                                             | 8. Farm or Lease Name<br>HANCOCK Gas Com          |
| 2. Name of Operator<br>M.R. SCHALK                                                                                                                                                                           |                                             | 9. Well No.<br>1E                                 |
| 3. Address of Operator<br>P O BOX 25825 ALBUQUERQUE NM 87125                                                                                                                                                 |                                             | 10. Field and Pool, or Wildcat<br>BASIN DAKOTA    |
| 4. Location of Well<br>UNIT LETTER I LOCATED 1710 FEET FROM THE SOUTH LINE<br>AND 890 FEET FROM THE EAST LINE OF SEC. 15 TWP. 30N RGE. 12W NMPM                                                              |                                             | 12. County<br>SAN JUAN                            |
| 19. Proposed Depth<br>6695'                                                                                                                                                                                  |                                             | 19A. Formation<br>DAKOTA                          |
| 20. Rotary or C.T.<br>ROTARY                                                                                                                                                                                 |                                             |                                                   |
| 21. Elevations (show whether DF, RT, etc.)<br>5634' GL                                                                                                                                                       | 21A. Kind & Status Plug. Bond<br>STATE WIDE | 21B. Drilling Contractor<br>ARAPAHOE DRILLING CO. |
| 22. Approx. Date Work will start<br>AS SOON AS PERMITTED                                                                                                                                                     |                                             |                                                   |

## PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP      |
|--------------|----------------|-----------------|---------------|-----------------|---------------|
| 12 1/4"      | 8 5/8"         | 24#             | 300'          | 300             | CIR TO SURFAC |
| 7 7/8"       | 5 1/2"         | 15.5#           | 6695'         | 1st Stg 300     | 4800'         |
|              |                |                 |               | 2nd Stg 575     | 300'          |

DV COLLAR TO BE RUN BELOW MESAVERDE AND CEMENT TO BOTTOM OF 8 5/8" SURFACE CASING.

PROPOSE TO DRILL THIS DEVELOPMENT WELL IN ORDER TO GAIN OPTIMUM GAS RECOVERY FROM BASIN DAKOTA FIELD. SAMPLES WILL BE TAKEN AT 20' INTERVALS FROM 5000' TO TD. NO CORES OR DST'S ARE PLANNED. LOGS WILL BE RUN FROM SURFACE CASING TO TD. PROSPECTIVE ZONES WILL BE PERFORATED AND FRACTURED. BLOWOUT PREVENTER EQUIPMENT WILL BE AS INDICATED ON THE ATTACHED EXHIBIT, AND WILL BE TESTED AT REGULAR INTERVALS. NECESSARY STEPS WILL BE TAKEN TO PROTECT THE ENVIRONMENT.

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED,

EXPIRES 5-16-82

\*\* ADDITIONAL INFORMATION ON REVERSE

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR RE-ENTER, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Steve Hall Title AGENT Date 11/12/81  
(This space for State Use)

APPROVED BY Jeff A. Edmister TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE NOV 18 1981  
CONDITIONS OF APPROVAL, IF ANY:

Hold C104 for operator change

#23 \*\*ADDITIONAL INFORMATION

ESTIMATED FORMATION TOPS

|                |       |
|----------------|-------|
| FRUITLAND      | 1585' |
| PICTURE CLIFFS | 1940' |
| MESAVERDE      | 3516' |
| GALLUP         | 5440' |
| DAKOTA         | 6445' |
| TD             | 6695' |

ESTIMATED DEPTHS AT WHICH WATER, OIL, GAS, OR  
OTHER MINERALS ARE EXPECTED TO BE ENCOUNTERED:

1585', 3516', 5440', 6445'

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

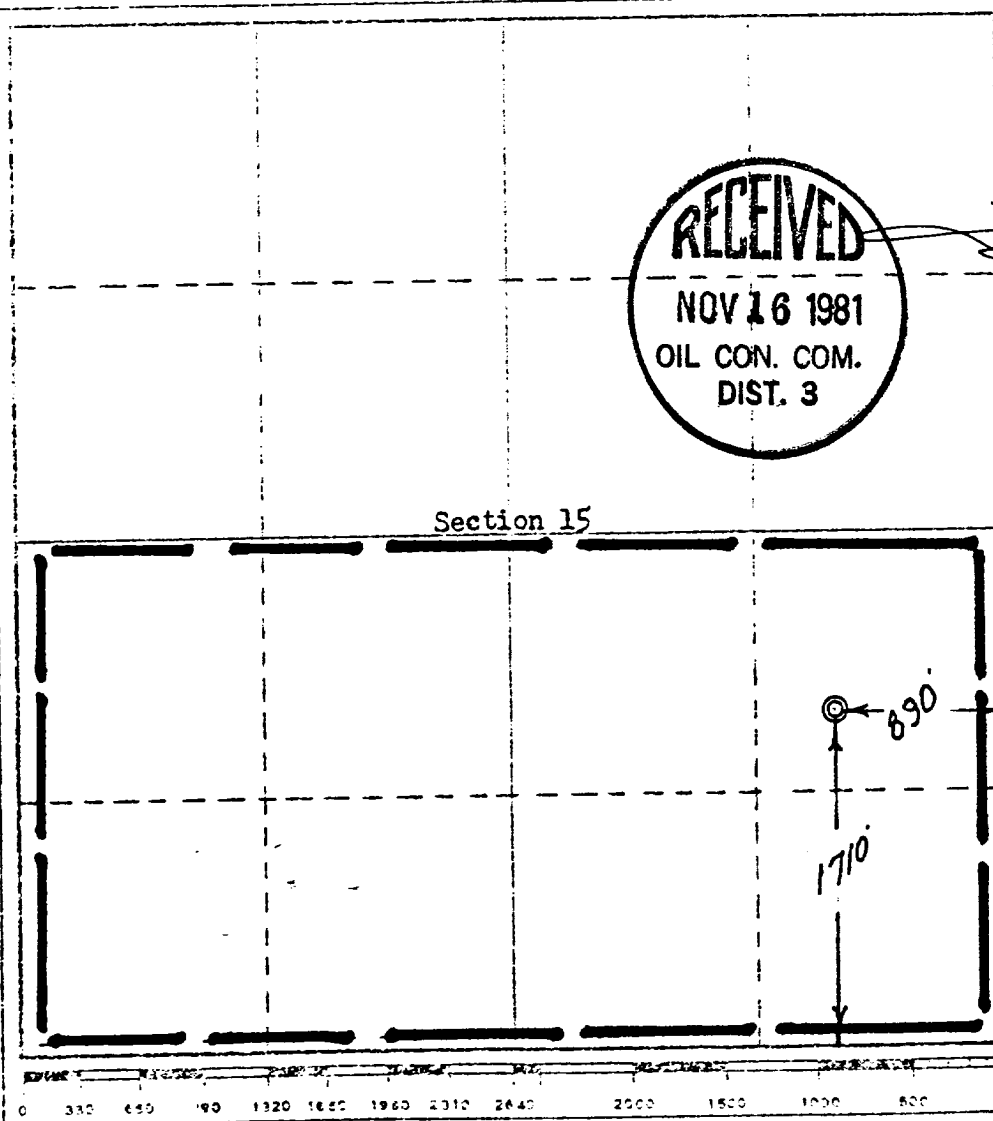
|                                                                                                                               |                                      |                             |                                       |                           |
|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-----------------------------|---------------------------------------|---------------------------|
| Operator<br><b>M.R. Schalk</b>                                                                                                |                                      | Lessee<br><b>Hancock D</b>  |                                       | Well No.<br><b>1E</b>     |
| Unit Letter<br><b>I</b>                                                                                                       | Section<br><b>15</b>                 | Township<br><b>30 North</b> | Range<br><b>12 West</b>               | County<br><b>San Juan</b> |
| Actual Footage Location of well:<br><b>1710</b> feet from the <b>South</b> line and <b>890</b> feet from the <b>East</b> line |                                      |                             |                                       |                           |
| Ground Level Elev.<br><b>5634</b>                                                                                             | Producing Formation<br><b>Dakota</b> | Pool<br><b>Basin</b>        | Dedicated Acreage<br><b>320</b> Acres |                           |

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes    ☐ No    If answer is "yes," type of consolidation Unitization.

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



**CERTIFICATION**

I hereby certify that the information contained herein is true and correct to the best of my knowledge and belief.

**Steve Schalk**

Position:  
**Agent**

Company:  
**M. R. Schalk**

Date:  
**Nov. 12, 1981**

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 knowledge and belief.

Date Surveyed:  
**October 27, 1981**

Registered Professional Engineer and  
**3084**

Certificate

