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# NEW MEXICO OIL CONSERVATION COMMISSION

30-031-20509  
Form C-101  
Revised 1-1-65

5A. Indicate Type of Lease  
STATE ☐ FEE ☒

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                                |
| b. Type of Well<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> |                                             | 8. Farm or Lease Name<br>SEPRR                        |
| 2. Name of Operator<br>NORTHERN MINERALS, INC.                                                                                                                                                                          |                                             | 9. Well No.<br>18                                     |
| 3. Address of Operator<br>Box 2182, Santa Fe, New Mexico 87501                                                                                                                                                          |                                             | 10. Field and Pool, or Wildcat<br>Miguel Creek-Gallup |
| 4. Location of Well<br>UNIT LETTER H LOCATED 2310 FEET FROM THE North LINE<br>900 FEET FROM THE East LINE OF SEC. 20 TWP. 16N RGE. 6W NMPM                                                                              |                                             | 12. County<br>McKinley                                |
| 19. Proposed Depth<br>800                                                                                                                                                                                               |                                             | 19A. Formation<br>Hospah-Gallup                       |
| 20. Rotary or C.T.<br>Rotary                                                                                                                                                                                            |                                             |                                                       |
| 21. Elevations (Show whether DF, RT, etc.)<br>6483 GR                                                                                                                                                                   | 21A. Kind & Status Plug. Bond<br>State-Wide | 21B. Drilling Contractor<br>Own                       |
|                                                                                                                                                                                                                         |                                             | 22. Approx. Date Work will start<br>June 15, 1977     |

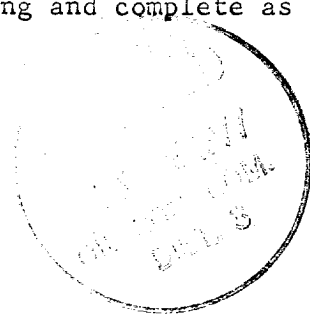
### PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP  |
|--------------|----------------|-----------------|---------------|-----------------|-----------|
| 6 1/4        | 4 1/2          | 9.5#            | 780'          | 80sx-Suff to    | Circulate |
|              |                |                 |               |                 |           |

We plan to drill to the Hospah-Gallup producing sand and core the pay zone. If productive potential is indicated we will set 4 1/2 inch casing and complete as a field well.

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED,

EXPIRES 9-5-77



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.

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

Signed Mark E. Weidner Title Consulting Geologist-Agent Date 6-3-77

(This space for State Use)

Mark E. Weidner

APPROVED BY Alfred Hendrick TITLE SUPERVISOR DIST. #3 DATE JUN 7 1977

CONDITIONS OF APPROVAL, IF ANY:

# WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-201  
Superseded O-120  
Effective 1-4-65

All distances must be from the center of the well location.

|                                         |                             |                        |                           |                                  |  |
|-----------------------------------------|-----------------------------|------------------------|---------------------------|----------------------------------|--|
| Lessee<br><b>NORTHERN MINERALS INC.</b> |                             | Lease<br><b>SFPRR</b>  |                           | Well No.<br><b>S.F.P.R.R. 18</b> |  |
| Section<br><b>29</b>                    | Township<br><b>16 North</b> | Range<br><b>6 West</b> | County<br><b>McKinley</b> |                                  |  |

Actual Well Location of Well:

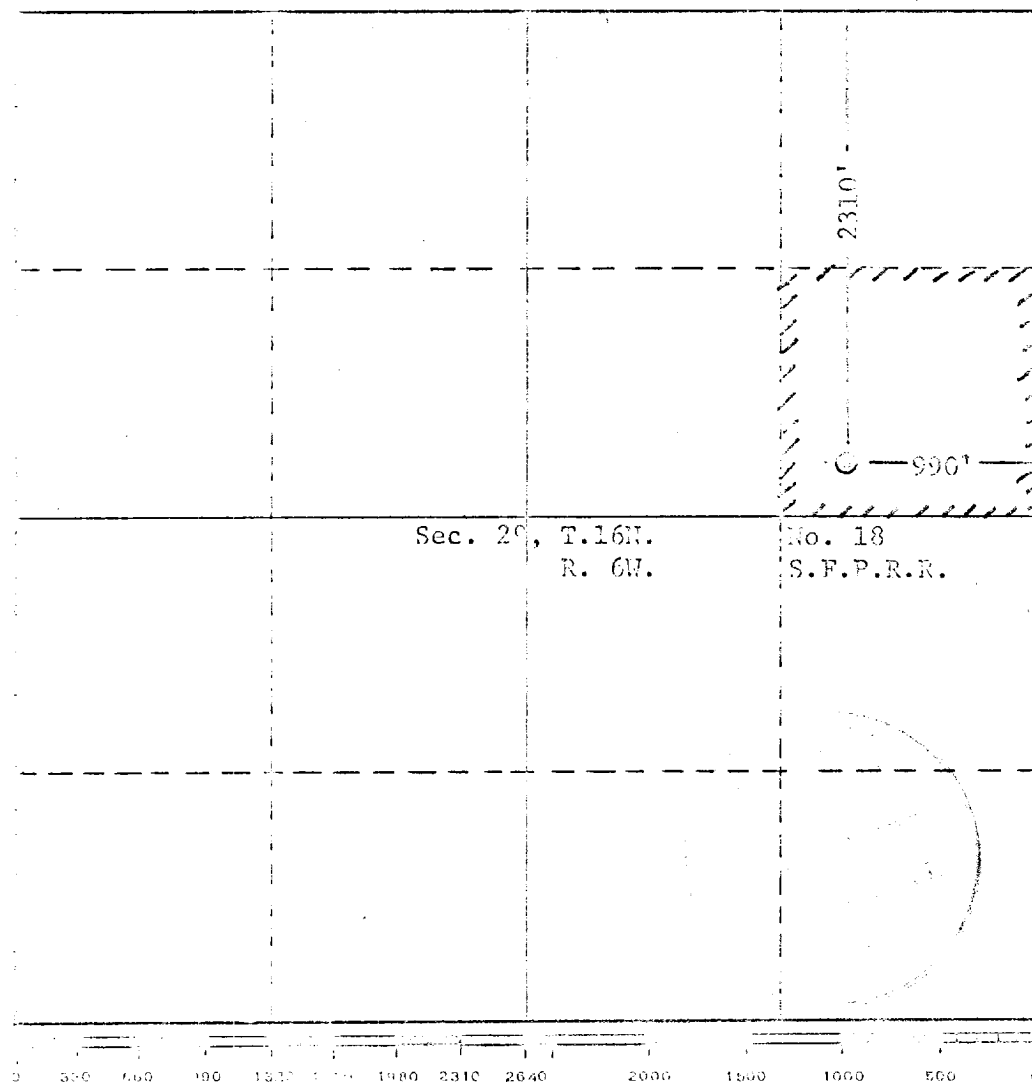
|                                   |                                          |                                          |                                       |                      |
|-----------------------------------|------------------------------------------|------------------------------------------|---------------------------------------|----------------------|
| Section<br><b>29</b>              | Foot from the<br><b>North</b>            | Line and<br><b>996</b>                   | Foot from the<br><b>East</b>          | Line<br><b>38.34</b> |
| Ground Level Elev.<br><b>6400</b> | Geologic Formation<br><b>Hesperia SS</b> | Pool<br><b>Wagon Creek N-18-A-Gallup</b> | Dedicated Acreage:<br><b>40 38.34</b> |                      |

1. Outline the acreage dedicated to the subject well by colored pencil or machine 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 \_\_\_\_\_

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, forced-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 complete to the best of my knowledge and belief.

Name Mark E. Weidner  
Position Consultant Geologist-Agent  
Company Nothern Minerals, Inc.

Date 6-5-77

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 Oct. 29, 1974  
Registered Professional Engineer and/or Land Surveyor [Signature]

Certificate No. 2031