

STATE OF NEW MEXICO  
ENERGY AND MINERAL DEPARTMENT

OIL CONSERVATION DIVISION

30-039-23438

Form O-101  
Revised 10-1-79

|                        |  |
|------------------------|--|
| NO. OF COPIES RECEIVED |  |
| DISTRIBUTION           |  |
| SANTA FE               |  |
| FILE                   |  |
| U.S.G.S.               |  |
| LAND OFFICE            |  |
| OPERATOR               |  |

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

5A. Estimate 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>b. Type of Well<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/><br>SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> |  | 2. Name of Operator<br>ALANA OIL & GAS CORPORATION      |  | 7. Unit Agreement Name                                    |  |
| 3. Address of Operator<br>P.O. Box 560365, Houston, Texas 77257                                                                                                                                                                                |  | 8. Name of Lease Name<br>ALANA                          |  | 9. Well No.<br>2                                          |  |
| 4. Location of Well<br>UNIT LETTER G LOCATED 1668 FEET FROM THE North LINE<br>2138 FEET FROM THE East LINE OF SEC. 18 TWP. 27N RSE. 2 E                                                                                                        |  | 10. Field and Pool, or Wildcat<br>Wildcat Kd <i>WIA</i> |  | 11. County<br>Rio Arriba                                  |  |
| 12. Proposed Depth<br>1500'                                                                                                                                                                                                                    |  | 13A. Formation<br>Dakota                                |  | 13B. Method of Casing<br>Rotary                           |  |
| 14. Name of Driller, Inc.<br>7132 Ground                                                                                                                                                                                                       |  | 15. Name of Cementing Co.<br>I Well Plugging Bond       |  | 16. Name of Drilling Contractor<br>Sunland Drilling, Inc. |  |
|                                                                                                                                                                                                                                                |  |                                                         |  | 17. Date of Application<br>4/26/1984                      |  |

PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT           | EST. TOP |
|--------------|----------------|-----------------|---------------|---------------------------|----------|
| (1) 9-7/8"   | 7-5/8"         | 22#             | 80'           | 70                        | Surface  |
| (2) 6-1/4"   | 4-1/2"         | 9.5#            | 1500'         | 150                       | 500'     |
|              |                |                 |               | <i>sufficient to cure</i> |          |

- (1) Will use 70 Sacks Neat Cement plus 2% CaCl agent - 90 cu. ft. - This will be 50% excess.
- (2) Will use 150 sacks of Neat Cement plus 2% Uniflow lite agent to 330 cu. ft. and trail in with 50 sacks of Neat and agent to 59 cu. ft. This is 50% extra.

RECEIVED

APR 24 1984

OIL CON. DIV.  
DIST. 3

APPROVAL EXPIRES 12-24-84  
UNLESS DRILLING IS COMMENCED.  
SPUD NOTICE MUST BE SUBMITTED  
WITHIN 10 DAYS.

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, FIVE BLENDING INVENTOR PROGRAM, IF ANY.

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

Signature *Carolina Estro* Title *Agent for Alana O & G Corp* Date *4/24/1984*

(This space for State Use)

APPROVED BY *Frank J. Conroy* TITLE *SUPERVISOR DISTRICT # 3* DATE *APR 24 1984*

CONDITIONS OF APPROVAL, IF ANY:

All distances must be from the outer boundaries of the Section

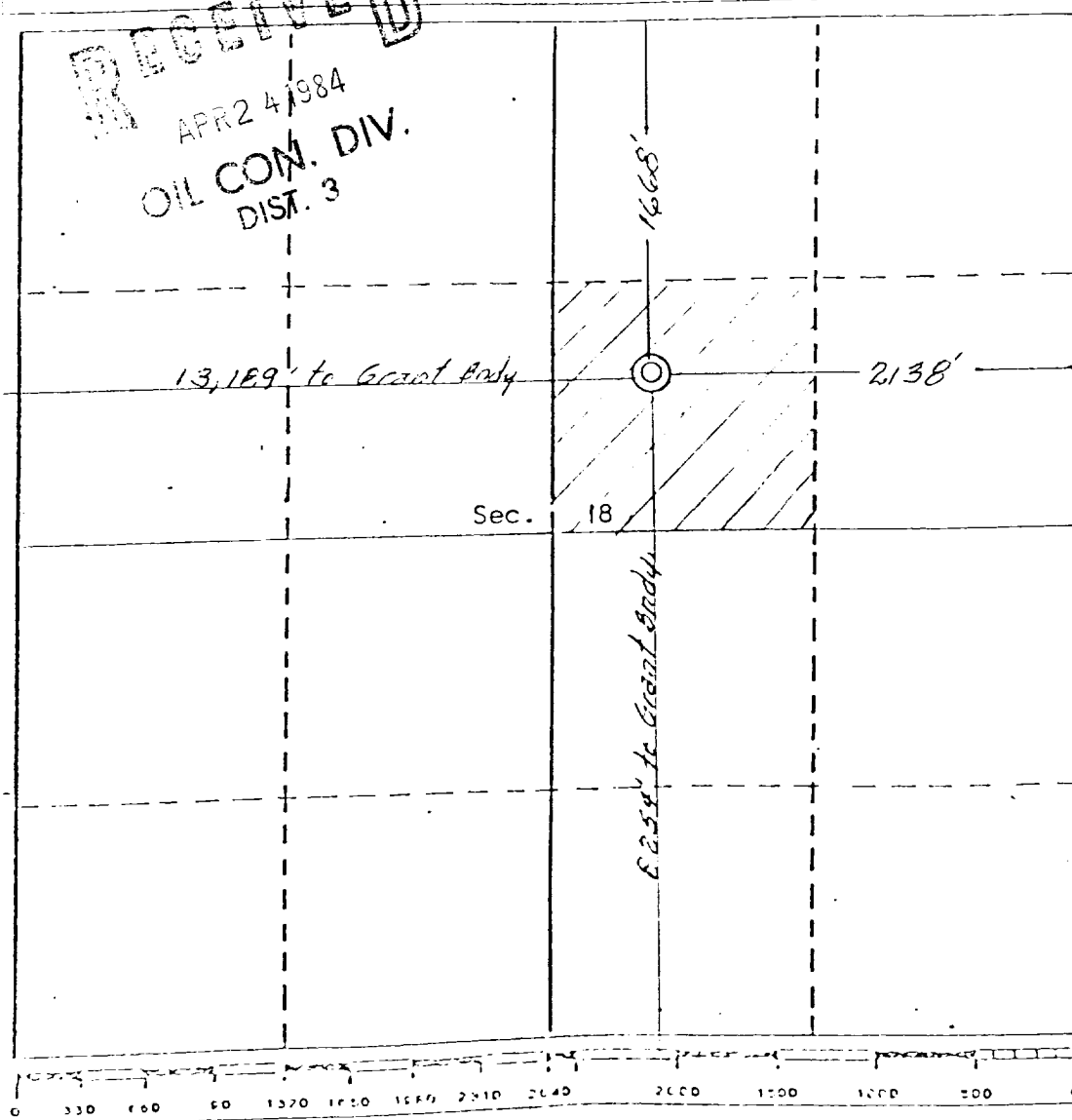
|                                                                                                    |                               |                      |                 |                      |                                |
|----------------------------------------------------------------------------------------------------|-------------------------------|----------------------|-----------------|----------------------|--------------------------------|
| Operator<br>ALANA OIL & GAS                                                                        |                               | Lease                |                 | Well No.<br>2        |                                |
| Unit Letter<br>G                                                                                   | Section<br>18                 | Township<br>27 NORTH | Range<br>2 EAST | County<br>RIO ARriba |                                |
| Actual Footage Location of Well:<br>1668 feet from the NORTH line and 2138 feet from the EAST line |                               |                      |                 |                      |                                |
| Ground Level Elev.<br>7132                                                                         | Producing Formation<br>DAKOTA |                      | Pool<br>WILDCAT |                      | Dedicated Acreage:<br>40 Acres |

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 Division



## CERTIFICATION

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

*Curtis C. Stocking*  
Name:

Curtis C. Stocking

Position

Agent for

Company

Alana Oil & Gas Corp.

Date

4/24/1984

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.

6 December, 1983

Date of Issue

*Curtis C. Stocking*  
Registered Professional Engineer  
and/or Professional Surveyor

Curtis C. Stocking

Certificate No.

5980

