

Submit to Appropriate  
District Office  
State Lease - 6 copies  
Fee Lease - 5 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-101  
Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

API NO. (assigned by OCD on New Wells)  
30-025-27185

5. Indicate Type of Lease  
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

DRILL ☐ RE-ENTER ☐ DEEPEN ☐ PLUG BACK ☒

b. Type of Well:

OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. Name of Operator

Zia Energy, Inc.

3. Address of Operator

P. O. Box 2219, Hobbs, NM 88240

7. Lease Name or Unit Agreement Name

Grizzell

8. Well No.

3

9. Pool name or Wildcat

Eunice San Andres Southwest

4. Well Location

Unit Letter 0 : 330 Feet From The South Line and 1650 Feet From The East Line

Section 5 Township 22 South Range 37 East NMPM Lea County

10. Proposed Depth

PB 4500'

11. Formation

San Andres

12. Rotary or C.T.

13. Elevations (Show whether DF, RT, GR, etc.)

3424' GR-3438' RKB

14. Kind & Status Plug. Bond

one well 5/5/89

15. Drilling Contractor

Eunice Well Service

16. Approx. Date Work will start

10/4/90

17. PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP   |
|--------------|----------------|-----------------|---------------|-----------------|------------|
| 12 1/4"      | 9 5/8"         | 32.3            | 1185'         | 825 sacks       | circulated |
| 8 3/4"       | 5 1/2"         | 15.5 & 17       | 7500'         | 1100 sacks      | 3800'      |

1. Rig up a well servicing unit and install a BOP.
2. Pull rods, pump and tubing.
3. Set CIBP at approximately 4500'.
4. Complete in the San Andres formation between 3950' and 4050'.
5. Stimulate as necessary.
6. Rerun tubing, rods and pump. Place well on production to test.

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.

SIGNATURE Farris Nelson TITLE Engineer DATE 10/3/90

TYPE OR PRINT NAME Farris Nelson 505/393-2937 TELEPHONE NO.

(This space for State Use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE OCT 04 1990

CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

**OIL CONSERVATION DIVISION**

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

**DISTRICT I**  
P.O. Box 1980, Hobbs, NM 88240

**DISTRICT II**  
P.O. Drawer DD, Artesia, NM 88210

**DISTRICT III**  
1000 Rio Brazos Rd., Aztec, NM 87410

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

All Distances must be from the outer boundaries of the section

|                                     |                     |                             |                          |                      |                      |
|-------------------------------------|---------------------|-----------------------------|--------------------------|----------------------|----------------------|
| Operator<br><b>Zia Energy, Inc.</b> |                     |                             | Lease<br><b>Grizzell</b> |                      | Well No.<br><b>3</b> |
| Unit Letter<br><b>0</b>             | Section<br><b>5</b> | Township<br><b>22 South</b> | Range<br><b>37 East</b>  | County<br><b>Lea</b> |                      |
| NMPM                                |                     |                             |                          |                      |                      |

Actual Footage Location of Well:

|                                         |                                          |                                            |                                       |
|-----------------------------------------|------------------------------------------|--------------------------------------------|---------------------------------------|
| 330 feet from the <b>South</b> line and |                                          | 1650 feet from the <b>East</b> line        |                                       |
| Ground level Elev.<br><b>3424'</b>      | Producing Formation<br><b>San Andres</b> | Pool<br><b>Eunice San Andres Southwest</b> | Dedicated Acreage:<br><b>40 Acres</b> |

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 interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

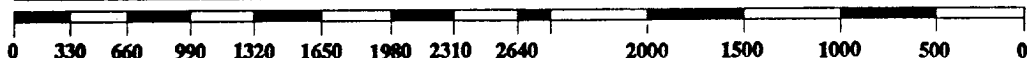
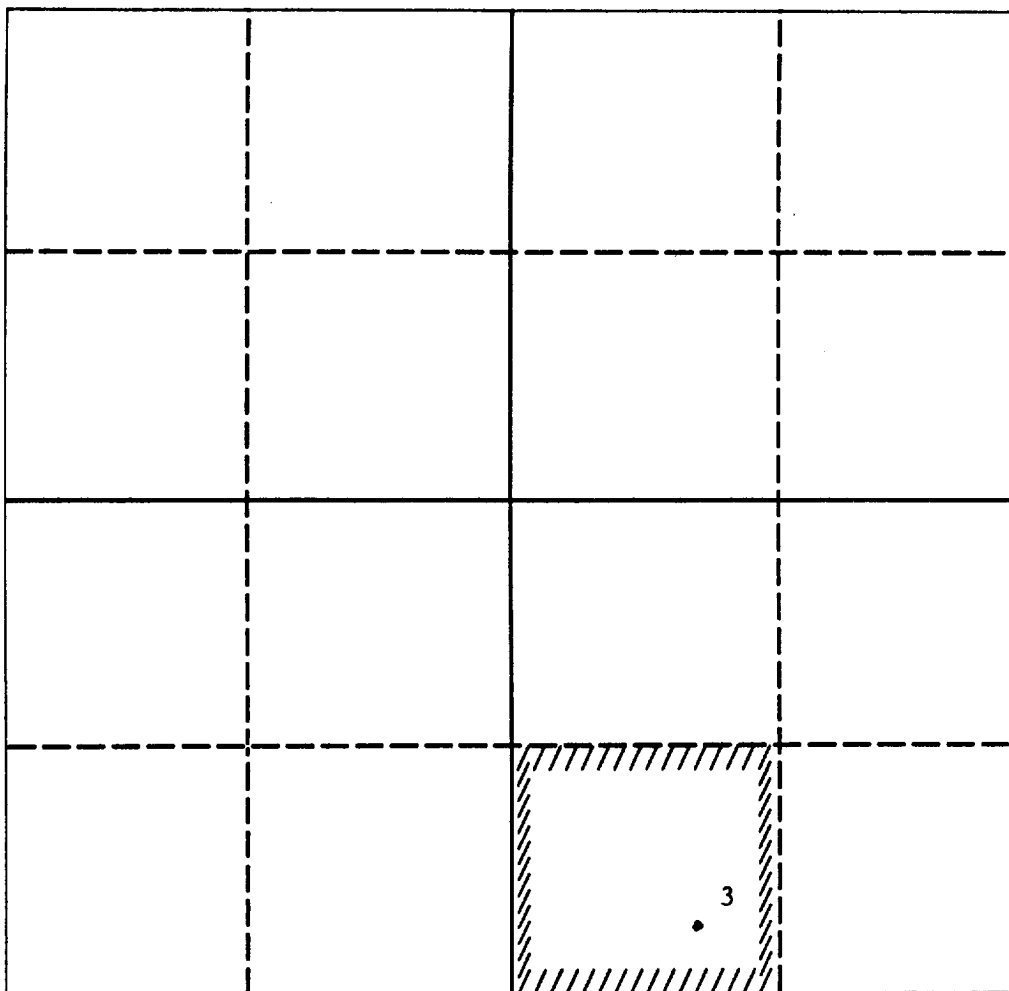
☐ Yes

☐ 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 interest, has been approved by the Division.



**OPERATOR CERTIFICATION**

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

Signature

*D.E. Bratton*

Printed Name

D.E. Bratton

Position

Engineer

Company

Zia Energy, Inc.

Date

10/04/90

**SURVEYOR CERTIFICATION**

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

Signature & Seal of  
Professional Surveyor

Certificate No.

Submit to Appropriate  
District Office  
State Lease - 6 copies  
Fee Lease - 5 copies  
DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

Form C-105  
Revised 1-1-89

|                                                                                                     |
|-----------------------------------------------------------------------------------------------------|
| WELL API NO.<br>30-025-27185                                                                        |
| 5. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |
| 6. State Oil & Gas Lease No.                                                                        |

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

|                                                                                                                                                                                                                              |                                                  |                                             |                                                             |                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------------|-------------------------------------------------------------|---------------------------------|
| 1a. Type of Well:<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____                                                                                 | 7. Lease Name or Unit Agreement Name<br>Grizzell |                                             |                                                             |                                 |
| b. Type of Completion:<br>NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> DIFF RESVR <input type="checkbox"/> OTHER _____ | 8. Well No.<br>3                                 |                                             |                                                             |                                 |
| 2. Name of Operator<br>Zia Energy, Inc.                                                                                                                                                                                      | 9. Pool name or Wildcat<br>Drinkard              |                                             |                                                             |                                 |
| 3. Address of Operator<br>P.O. Box 2219, Hobbs, NM 88240                                                                                                                                                                     |                                                  |                                             |                                                             |                                 |
| 4. Well Location<br>Unit Letter 0 : 330 Feet From The South Line and 1650 Feet From The East Line<br>Section 5 Township 22S Range 37E NMPM Lea County                                                                        |                                                  |                                             |                                                             |                                 |
| 10. Date Spudded<br>1/27/81                                                                                                                                                                                                  | 11. Date T.D. Reached<br>3/13/81                 | 12. Date Compl. (Ready to Prod.)<br>5/18/89 | 13. Elevations (DF & RKB, RT, GR, etc.)<br>3424 GR 3438 RKB | 14. Elev. Casinghead<br>3424    |
| 15. Total Depth<br>7500'                                                                                                                                                                                                     | 16. Plug Back T.D.<br>7168'                      | 17. If Multiple Compl. How Many Zones?      | 18. Intervals Drilled By<br>Rotary Tools                    | Cable Tools                     |
| 19. Producing Interval(s), of this completion - Top, Bottom, Name<br>6426 - 6541' Drinkard                                                                                                                                   |                                                  |                                             |                                                             | 20. Was Directional Survey Made |
| 21. Type Electric and Other Logs Run                                                                                                                                                                                         |                                                  |                                             |                                                             | 22. Was Well Cored              |

CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT LB/FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD      | AMOUNT PULLED |
|-------------|---------------|-----------|-----------|-----------------------|---------------|
| 9 5/8"      | 32.3          | 1185      | 12 1/4"   | 625 sx lite +200SX'c' | NONE          |
| 5 1/2"      | 15.5 & 17     | 7500      | 8 3/4"    | 1100sx'H'est Top@3900 | NONE          |
|             |               |           |           |                       |               |
|             |               |           |           |                       |               |
|             |               |           |           |                       |               |

|                  |     |        |              |        |                   |           |            |
|------------------|-----|--------|--------------|--------|-------------------|-----------|------------|
| 24. LINER RECORD |     |        |              |        | 25. TUBING RECORD |           |            |
| SIZE             | TOP | BOTTOM | SACKS CEMENT | SCREEN | SIZE              | DEPTH SET | PACKER SET |
|                  |     |        |              |        | 2 3/8             | 6800      | NONE       |

|                                                                               |                                                 |                               |
|-------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------|
| 26. Perforation record (interval, size, and number)<br>6426 - 6541 (26 Holes) | 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. |                               |
|                                                                               | DEPTH INTERVAL                                  | AMOUNT AND KIND MATERIAL USED |
|                                                                               | 6426-6541                                       | 5000 gals 15% NEFE            |

PRODUCTION

|                                      |                       |                                                                                             |                        |                  |                   |                                             |                         |
|--------------------------------------|-----------------------|---------------------------------------------------------------------------------------------|------------------------|------------------|-------------------|---------------------------------------------|-------------------------|
| 28. Date First Production<br>5/18/89 |                       | Production Method (Flowing, gas lift, pumping - Size and type pump)<br>Pumping 1 1/2" X 16" |                        |                  |                   | Well Status (Prod. or Shut-in)<br>Producing |                         |
| Date of Test<br>6/5/89               | Hours Tested<br>24    | Choke Size<br>-                                                                             | Prod'n For Test Period | Oil - Bbl.<br>12 | Gas - MCF<br>83.4 | Water - Bbl.<br>4                           | Gas - Oil Ratio<br>6950 |
| Flow Tubing Press.                   | Casing Pressure<br>20 | Calculated 24-Hour Rate                                                                     | Oil - Bbl.             | Gas - MCF        | Water - Bbl.      | Oil Gravity - API - (Corr.)<br>35.5         |                         |

|                                                                    |                                   |
|--------------------------------------------------------------------|-----------------------------------|
| 29. Disposition of Gas (Sold, used for fuel, vented, etc.)<br>Sold | Test Witnessed By<br>D.E. Bratton |
|--------------------------------------------------------------------|-----------------------------------|

30. List Attachments

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature D.E. Bratton Printed Name D.E. Bratton Title Engineer Date 9/2/89

# INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

## INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

### Southeastern New Mexico

|                          |                           |
|--------------------------|---------------------------|
| T. Anhy _____            | T. Canyon _____           |
| T. Salt _____            | T. Strawn _____           |
| B. Salt _____            | T. Atoka _____            |
| T. Yates <u>2575</u>     | T. Miss _____             |
| T. 7 Rivers <u>2839</u>  | T. Devonian _____         |
| T. Queen <u>3330</u>     | T. Silurian _____         |
| T. Grayburg <u>3590</u>  | T. Montoya <u>7220</u>    |
| T. San Andres _____      | T. Simpson _____          |
| T. Glorieta <u>5066</u>  | T. McKee _____            |
| T. Paddock <u>5201</u>   | T. Ellenburger _____      |
| T. Blinebry <u>5505</u>  | T. Gr. Wash _____         |
| T. Tubb <u>6005</u>      | T. Delaware Sand _____    |
| T. Drinkard <u>6220</u>  | T. Bone Springs _____     |
| T. Abo <u>6589</u>       | T. Fusseleman <u>7200</u> |
| T. Wolfcamp _____        | T. _____                  |
| T. Penn _____            | T. _____                  |
| T. Cisco (Bough C) _____ | T. _____                  |

### Northwestern New Mexico

|                             |                        |
|-----------------------------|------------------------|
| T. Ojo Alamo _____          | T. Penn. "B" _____     |
| T. Kirtland-Fruitland _____ | T. Penn. "C" _____     |
| T. Pictured Cliffs _____    | T. Penn. "D" _____     |
| T. Cliff House _____        | T. Leadville _____     |
| T. Menefee _____            | T. Madison _____       |
| T. Point Lookout _____      | T. Elbert _____        |
| T. Mancos _____             | T. McCracken _____     |
| T. Gallup _____             | T. Ignacio Otzte _____ |
| Base Greenhorn _____        | T. Granite _____       |
| T. Dakota _____             | T. _____               |
| T. Morrison _____           | T. _____               |
| T. Todilto _____            | T. _____               |
| T. Entrada _____            | T. _____               |
| T. Wingate _____            | T. _____               |
| T. Chinle _____             | T. _____               |
| T. Permian _____            | T. _____               |
| T. Penn "A" _____           | T. _____               |

### OIL OR GAS SANDS OR ZONES

|                            |                            |
|----------------------------|----------------------------|
| No. 1, from _____ to _____ | No. 3, from _____ to _____ |
| No. 2, from _____ to _____ | No. 4, from _____ to _____ |

### IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

|                                 |            |
|---------------------------------|------------|
| No. 1, from _____ to _____ feet | _____ feet |
| No. 2, from _____ to _____ feet | _____ feet |
| No. 3, from _____ to _____ feet | _____ feet |

### LITHOLOGY RECORD (Attach additional sheet if necessary)

| From | To   | Thickness<br>in Feet | Lithology | From | To   | Thickness<br>in Feet | Lithology  |
|------|------|----------------------|-----------|------|------|----------------------|------------|
| 2575 | 2839 | 264                  | Yates     | 7200 | 7220 | 20                   | Fusseleman |
| 2839 | 3330 | 491                  | 7 Rivers  | 7220 | 7500 | 280                  | Montoya    |
| 3330 | 3440 | 110                  | Queen     |      |      |                      |            |
| 3440 | 3590 | 150                  | Penrose   |      |      |                      |            |
| 3590 | 5066 | 1476                 | Grayburg  |      |      |                      |            |
| 5066 | 5201 | 135                  | Glorietta |      |      |                      |            |
| 5201 | 5505 | 304                  | Paddock   |      |      |                      |            |
| 5505 | 6005 | 500                  | Blinebry  |      |      |                      |            |
| 6005 | 6220 | 215                  | Tub       |      |      |                      |            |
| 6220 | 6589 | 369                  | Drinkard  |      |      |                      |            |
| 6589 | 6730 | 141                  | Abo       |      |      |                      |            |

RECEIVED  
OCT - 2 1969  
OCD  
HOBBBS OFFICE