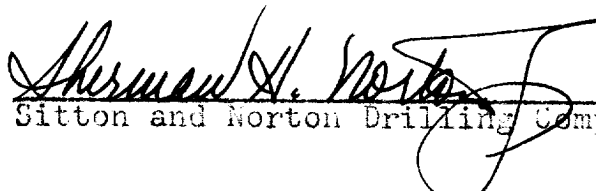


May 27, 1971

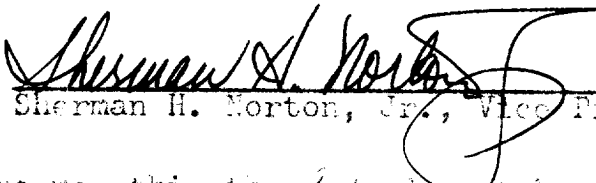
Deviation surveys taken on Vaughn Petroleum, Inc., J. R. Matthews #1,  
Section 15, T-8-S, R-37-E, Roosevelt County, New Mexico.

| <u>Depth</u> | <u>Degree</u> |
|--------------|---------------|
| 444'         | 1 1/4°        |
| 935          | 3/4           |
| 1125         | 1             |
| 1132         | 1             |
| 2110         | 3/4           |
| 2512         | 1             |
| 2735         | 1             |
| 3250         | 1 1/4         |
| 3415         | 2             |
| 4050         | 2 1/4         |
| 4265         | 1 1/2         |
| 4455         | 1/2           |
| 4615         | 1/2           |
| 4852         | 1/4           |
| 5000         | 1/4           |

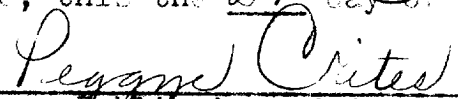
I hereby certify that I have personal knowledge of the data  
and facts placed on this sheet, and that such information given  
above is true and complete.

  
Sherman H. Norton, Jr., Vice President  
Sitton and Norton Drilling Company

Before me, the undersigned authority, on this day personally  
appeared Sherman H. Norton, Jr., known to me to be the person whose  
name is subscribed hereto, who, after being duly sworn, on oath states  
that he is the drilling contractor of the well identified in this  
instrument and that such well was not intentionally deviated from  
the vertical whatsoever.

  
Sherman H. Norton, Jr., Vice President

Sworn and subscribed to before me, this the 27 day of May, 1971.

  
Pegamie Crites  
Notary Public in and for Lubbock  
County, Texas.

THE UNIVERSITY OF CHICAGO

JOHN H. MURPHY

JOHN H. MURPHY

JOHN H. MURPHY

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

# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

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

## SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.  
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

|  |  |                                |
|--|--|--------------------------------|
| 1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> |  | 7. Unit Agreement Name         |
| 2. Name of Operator  |  | 8. Farm or Lease Name          |
| 3. Address of Operator   |  | 9. Well No.                    |
| 4. Location of Well  |  | 10. Field and Pool, or Wildcat |
| UNIT LETTER <u>660</u> FEET FROM THE <u>South</u> LINE AND <u>1980</u> FEET FROM                                 |  |                                |
| THE <u>East</u> LINE, SECTION <u>18</u> TOWNSHIP <u>8S</u> RANGE <u>37 E</u> NMPM.                               |  |                                |
| 15. Elevation (Show whether DF, RT, GR, etc.)  |  | 12. County                     |
| <u>4,054.6 GR</u>  |  | <u>Roosevelt</u>               |

|  |   |  |   |
|--|---|--|---|
| 16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data |   |  |   |
| NOTICE OF INTENTION TO:  |   | SUBSEQUENT REPORT OF:  |   |
| PERFORM REMEDIAL WORK <input type="checkbox"/>                               | PLUG AND ABANDON <input type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/>                         | ALTERING CASING <input type="checkbox"/>      |
| TEMPORARILY ABANDON <input type="checkbox"/>                                 | CHANGE PLANS <input type="checkbox"/>     | COMMENCE DRILLING OPNS. <input type="checkbox"/>               | PLUG AND ABANDONMENT <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/>                                | OTHER <input type="checkbox"/>            | CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/> | OTHER <input type="checkbox"/>                |

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

13 joints of 8 5/8" 24# H-40 (425.60') was run May 14, 1971 and tested to 1,000# with rig pump. 157 joints of 4 1/2" 9.5# K-55 (4,949.29') was run May 25, 1971 and tested to 1,000# with rig pump. The Commission office in Hobbs was notified 24 hours prior to running.

The well is shut in and we are waiting on a gas contract.

Attached is two copies of notarized deviation surveys.

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

|                                 |                               |                          |
|---------------------------------|-------------------------------|--------------------------|
| SIGNED <u>R. L. Foster</u>      | TITLE <u>Div. Chief Clerk</u> | DATE <u>July 8, 1971</u> |
| APPROVED BY <u>[Signature]</u>  | TITLE <u>SUPERVISOR</u>       | DATE <u>JUL 12 1971</u>  |
| CONDITIONS OF APPROVAL, IF ANY: |                               |                          |

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

# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

5A. Indicate Type of Lease  
STATE ☐ FEDERAL ☒  
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>John R. Matthews               |  |
| 2. Name of Operator<br>Vaughn Petroleum, Inc.   |  | 9. Well No.<br>1  |  |
| 3. Address of Operator<br>1407 Main, Dallas, Texas 75202  |  | 10. Field and Pool, or Wildcat<br>Wildcat               |  |
| 4. Location of Well<br>UNIT LETTER _____ LOCATED 660 FEET FROM THE South LINE<br>AND 1980 FEET FROM THE East LINE OF SEC. 18 TWP. 8 S RGE. 37 E NMPM  |  | 12. County<br>Roosevelt                                 |  |
| 19. Proposed Depth<br>5100  |  | 19A. Formation<br>San Andres                            |  |
| 20. Rotary or C.T.<br>Rotary  |  | 21. Elevations (Show whether DF, RT, etc.)<br>4054.6 GL |  |
| 21A. Kind & Status Plug. Bond<br>5000 Single-Submitted  |  | 21B. Drilling Contractor<br>Will advise                 |  |
| 22. Approx. Date Work will start<br>5-10-71   |  |   |  |

### 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              | 350           | 200             | Surface  |
| 7-5/8        | 4-1/2          | 9.5             | 5100          | 300             | 4000     |

Core and DST San Andres porosity anticipated 4800'±. If productive, set 4-1/2" casing through zone; complete through perforations. Acidize if necessary.

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 General Superintendent Title General Superintendent Date May 4, 1971

(This space for State Use)

APPROVED BY SUPERVISOR DISTRICT 1 TITLE SUPERVISOR DISTRICT 1 DATE MAY 10 1971

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

MAY 1 1971

OIL CONSERVATION COMM.  
HOBBS, N. M.

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

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

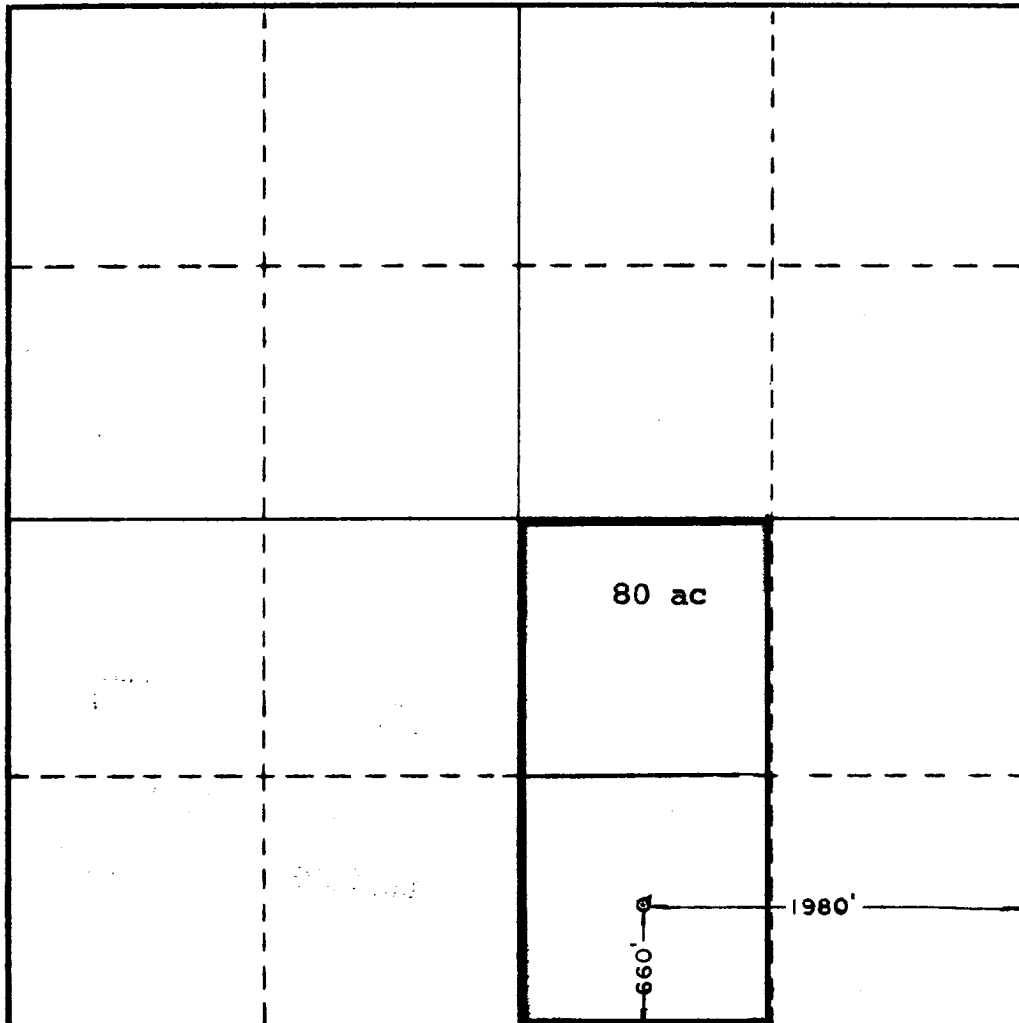
|   |                                     |                            |   |                            |                      |
|---|-------------------------------------|----------------------------|---|----------------------------|----------------------|
| Operator<br><b>VAUGHN PETROLEUM INC.</b>  |                                     |                            | Lease<br><b>JOHN R. MATTHEWS</b>        |                            | Well No.<br><b>1</b> |
| Unit Letter<br><b>D</b>   | Section<br><b>18</b>                | Township<br><b>8 SOUTH</b> | Range<br><b>37 EAST</b>                 | County<br><b>ROOSEVELT</b> |                      |
| Actual Footage Location of Well:<br><b>1980</b> feet from the <b>EAST</b> line and <b>660</b> feet from the <b>SOUTH</b> line |                                     |                            |   |                            |                      |
| Ground Level Elev.<br><b>4054.6</b>   | Producing Formation<br><b>-----</b> | Pool<br><b>UNDEVELOPED</b> | Dedicated Acreage<br><b>80 40</b> Acres |                            |                      |

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.  
**160 acs. (SE/4) in John R. Matthews Lease-Anticipate 80-ac. spacing pattern.**
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.

*Earle S. Lougee*  
Signature

**Earle S. Lougee**

Position

**General Superintendent**

Company

**Vaughn Petroleum, Inc.**

Date

**May 4, 1971**

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

**4-29-1971**

Registered Professional Engineer and/or Land Surveyor

*John W. West*  
Signature

Certificate No.

**676**

0 200 400 600 800 1000 1200 1400 1600 1800 2000 0

173

RECEIVED

MAY - 7 1971

OIL CONSERVATION COMM.  
HOBBS, N. M.