

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-039-23367

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL  
OIL WELL ☒ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☒

2. NAME OF OPERATOR  
E. Alex Phillips

3. ADDRESS OF OPERATOR  
1200 Philtower Building, Tulsa, Oklahoma 74103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface 1846.20 FEL and 1827.60 FSL Sec. 26, 125N, R2W  
At proposed prod. zone 1846 1828  
same as above  
NOV 3 0 1983

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR CROSSROAD TO NEAREST FARMINGTON RESOURCE AREA  
7 miles North of Lindrith, New Mexico

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. line, if any)  
1827.60'

16. NO. OF ACRES IN LEASE  
120

17. NO. OF ACRES ASSIGNED TO THIS WELL  
160/160/40

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
458'

19. PROPOSED DEPTH  
8200'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
GR 7404.18

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS"

22. APPROX. DATE WORK WILL START\*  
November 28, 1983

23. PROPOSED CASING AND CEMENTING PROGRAM

This action is subject to administrative appeal pursuant to 30 CFR 290.

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH |
|--------------|----------------|-----------------|---------------|
| 12 1/2"      | 8-5/8"         | 24 lb. K-55     | 220'          |
| 7-3/4"       | 5-1/2"         | 15.5-17.5 lb.   | 8200'         |
|              |                | J-55            |               |

370 cu.ft.  
2820 cu.ft. \*  
(3 stage cumulative)

Proposed Program:

- 1) Proposed well will be drilled through the Dakota Sandstone and will evaluate the hydrocarbon potential of the Dakota, Gallup and Mesa Verde.
- 2) Drilling mud is low solid gel: 35-45 viscosity, 8.5-9.0 lbs.
- 3) Blowout prevention Program: 900 Series Flange with blinds and 4 1/2" rams hydraulically operated.
- 4) If the well is found to be non-productive, the water zones and potential producing zones will be bridged and cemented upon plugging of the well.

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Gregory R. Phillips TITLE Assistant Geologist DATE November 10, 1983

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

*Hold Gavilan Memo 104  
for NSP at 320 ac  
MS*

\*See Instructions On Reverse Side

NMOCC

APPROVED

AS AMENDED

DATE

JAN 06 1984

AREA MANAGER  
FARMINGTON RESOURCE AREA

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

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

|                                     |                      |                         |                                                         |                             |                                  |
|-------------------------------------|----------------------|-------------------------|---------------------------------------------------------|-----------------------------|----------------------------------|
| Operator<br><b>E. Alex Phillips</b> |                      |                         | Lease<br><b>NM 03742</b><br>Federal<br><b>SF 081296</b> |                             | Well No.<br><b>NO. 2 GAVILAN</b> |
| Unit Letter<br><b>J</b>             | Section<br><b>26</b> | Township<br><b>25 N</b> | Range<br><b>2 W</b>                                     | County<br><b>RIO ARriba</b> |                                  |

Actual Footage Location of Well:

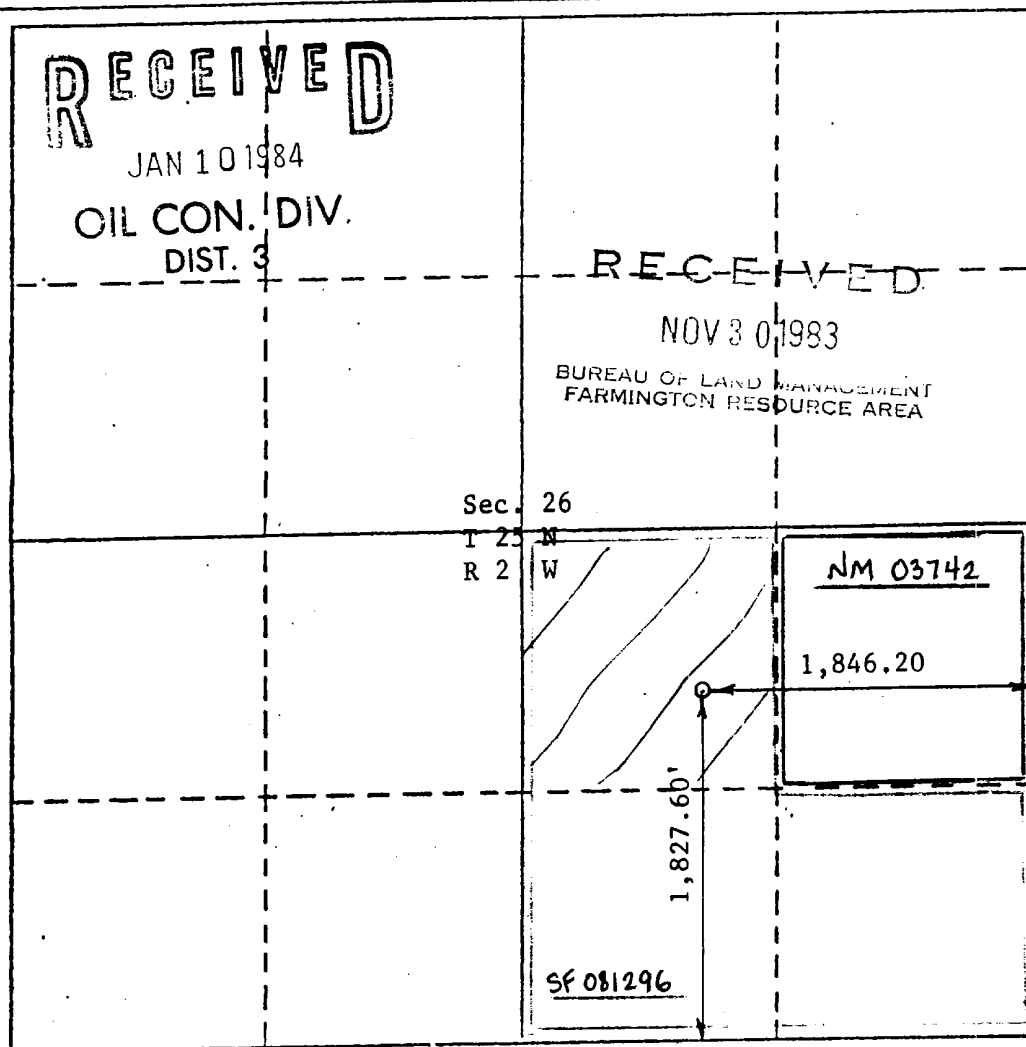
|                                                                        |                                      |                                          |                                                                 |                                                   |
|------------------------------------------------------------------------|--------------------------------------|------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------|
| 1,846.20 feet from the East line and 1,827.60 feet from the South line | Ground Level Elev.<br><b>7404.18</b> | Producing Formation<br><b>Mesa Verde</b> | Pool<br><b>W.C. MV / Gavilan Marcos / Undesignated W.C. 12h</b> | Dedicated Acreage:<br><b>160/160/40 160</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). Listed on reverse side.
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 Pooling by Designator of Operator

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.

*E. Alex Phillips*

Name

**E. Alex Phillips**

Position

Company

Date

**10-25-83**

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

**10-19-83**

Date Surveyed

*Wayne E. Johnston*  
Registered Professional Engineer  
and/or Land Surveyor

**Wayne E. Johnston**

**6540**

Certificate No.

2. Lease Ownership:

NM 03742 NE $\frac{1}{4}$  of dedicated acreage:

Ralph Gilliland :Overriding Royalty of 7.5%/ 12.5% Working Interest  
Mountain States Natural Gas Co.:Overriding Royalty of 5%/ 12.5% WI  
Kistler Investment: Overriding Royalty of 7.5% / 12.5% Working Interest

SF 081296 NW $\frac{1}{4}$  & S $\frac{1}{2}$  of dedicated acreage:

Reading and Bates Petroleum Co; ORI of 5%/ 12.5% Working Interest  
Hooper Kimball Williams, Inc. : Overriding Royalty of 7.5%  
P.C. Limited : Overriding Royalty of 5%/ 12.5% Working Interest

Locations of existing wells within a two mile radius to proposed well site.

24N-2W

|             |         |     |      |     |
|-------------|---------|-----|------|-----|
| Sec. 1: Gas | 990     | FSL | 1650 | FEL |
| D&A         | 790     | FSL | 1850 | FEL |
| D&A         | C NW SE |     |      |     |
| Sec. 2: D&A | 790     | FSL | 850  | FWL |
| D&A         | 1650    | FSL | 790  | FEL |
| D&A         | 860     | FSL | 824  | FEL |
| D&A         | 799     | FSL | 799  | FWL |
| Sec. 3: D&A | 790     | FNL | 1850 | FEL |
| D&A         | 990     | FSL | 990  | FEL |

25N-1W

|              |      |     |      |     |
|--------------|------|-----|------|-----|
| Sec. 19: Gas | 790  | FSL | 890  | FWL |
| Gas          | 990  | FSL | 1090 | FWL |
| Gas          | 1715 | FSL | 1665 | FWL |
| Sec. 30: Gas | 1160 | FNL | 480  | FWL |
| Gas          | 1800 | FNL | 1650 | FEL |
| Gas          | 1450 | FSL | 1150 | FEL |
| Gas          | 1780 | FSL | 1040 | FWL |
| Sec. 31: Gas | 1826 | FNL | 1724 | FEL |
| Gas          | 1630 | FNL | 1050 | FWL |
| Gas          | 800  | FSL | 1650 | FWL |

25N-2W

|                |         |     |      |     |
|----------------|---------|-----|------|-----|
| Sec. 14: Gas   | 990     | FSL | 990  | FEL |
| Gas            | 890     | FSL | 920  | FWL |
| Sec. 15: D&A   | C NE    |     |      |     |
| Gas            | 1725    | FSL | 1799 | FWL |
| Sec. 21: Oil   | 1850    | FSL | 790  | FEL |
| Sec. 22: Gas   | 1763    | FNL | 1755 | FWL |
| Gas            | 990     | FNL | 990  | FEL |
| Sec. 23: Susp. | 2270    | FNL | 2275 | FEL |
| WOC            | 1850    | FNL | 1651 | FWL |
| Gas            | 790     | FNL | 1850 | FWL |
| Gas            | 1650    | FSL | 990  | FEL |
| Gas            | 1850    | FSL | 1850 | FWL |
| Gas            | 1550    | FNL | 1090 | FEL |
| Sec. 24: Gas   | 1630    | FSL | 1705 | FWL |
| Gas            | 870     | FSL | 865  | FEL |
| Gas            | 1730    | FNL | 1650 | FWL |
| Gas            | 826     | FNL | 861  | FWL |
| Sec. 25: Susp. | 2060    | FSL | 1740 | FEL |
| Oil            | 1760    | FSL | 940  | FWL |
| Gas            | 1040    | FNL | 885  | FWL |
| Gas            | 1500    | FSL | 999  | FEL |
| Gas            | 1850    | FSL | 1850 | FWL |
| Sec. 26: Gas   | 1370    | FSL | 1820 | FEL |
| Gas            | 1810    | FNL | 1840 | FEL |
| Gas            | 1140    | FNL | 850  | FWL |
| Oil/Gas        | 930     | FNL | 910  | FEL |
| Oil            | 1850    | FNL | 999  | FWL |
| Sec. 33: D&A   | 990     | FNL | 990  | FEL |
| D&A            | 990     | FNL | 1650 | FWL |
| D&A            | 1060    | FSL | 960  | FEL |
| Sec. 34: D&A   | 1450    | FNL | 1110 | FWL |
| D&A            | 1820    | FSL | 1525 | FEL |
| Sec. 35: Gas   | 790     | FNL | 1090 | FEL |
| Sec. 36: D&A   | C NW NE |     |      |     |
| Gas            | 1850    | FSL | 1850 | FWL |
| Gas            | 1650    | FNL | 990  | FWL |
| Susp.          | 1000    | FSL | 1055 | FEL |
| TA             | 1850    | FSL | 1850 | FWL |