



**LTR**



**Job separation sheet**



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## 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

J. Felix Hickman

3. ADDRESS OF OPERATOR

Box 12307, El Paso, Texas 79912

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
At surface 1850' FNL and 790' FWL

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Counselors, New Mexico SW-20 miles

15. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any) 790'18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT. 1/2 mile

21. ELEVATIONS (Show whether DP, RT, GR, etc.)

7266 Ground Level

## PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH  | QUANTITY OF CEMENT     |
|--------------|----------------|-----------------|----------------|------------------------|
| 10 3/4"      | 8 5/8"         | 24#             | 200'           | 150 sx circulate       |
| 10 3/8"      | 8 1/2"         | 10.5#           | 6000'          | 950 sx cover Ojo Alamo |
|              | 4 1/2"         | 11.5#           | 6000' to 8040' |                        |

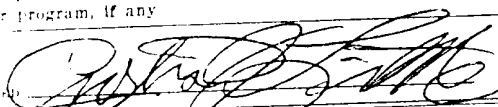
Propose to drill with mud, run mechanical logs, selectively test, perforate, and sandwater fracture the Gallup, Dakota and Mesaverde formations. A 10" 3000 psi W.P. and 6000 psi test BOP with blind and plug dams will be used for blowout prevention.

The Gas is dedicated to El Paso Natural Gas Co.

The N1/2 of Section 16 is dedicated to the Mesaverde and Dakota formation.

The SWNW of Section 16 is dedicated to the Gallup formation.

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 prevention program, if any

24.  TITLE Agent

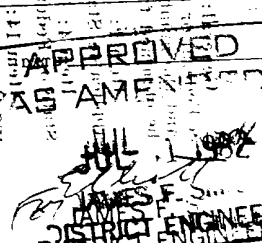
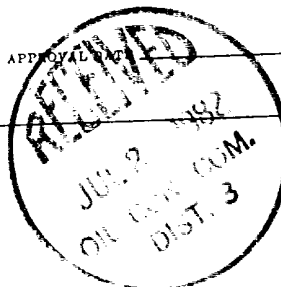
(This space for Federal or State office use)

PERMIT NO.

APPROVAL

TITLE

APPROVAL OF APPROVAL, IF ANY



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

|                                   |                      |                                          |                         |                                                                                |                      |
|-----------------------------------|----------------------|------------------------------------------|-------------------------|--------------------------------------------------------------------------------|----------------------|
| Owner<br><b>J. FELIX HICKMAN</b>  |                      |                                          | Lease<br><b>SCHMITZ</b> |                                                                                | Well No.<br><b>2</b> |
| Section<br><b>E</b>               | Section<br><b>26</b> | Township<br><b>25N</b>                   | Range<br><b>3W</b>      | County<br><b>Rio Arriba</b>                                                    |                      |
| Section to use Location of Well:  |                      |                                          |                         |                                                                                |                      |
| <b>1850</b>                       | feet from the        | <b>North</b>                             | line and                | <b>790</b>                                                                     | feet from the        |
|                                   |                      |                                          |                         | <b>West</b>                                                                    | line                 |
| Ground Level Elev.<br><b>7286</b> |                      | Producing Formation<br><b>Mesa Verde</b> |                         | Pool<br><b>Blanco</b>                                                          |                      |
|                                   |                      | <b>Gallup/Dakota</b>                     |                         | <b>Ojito Ext</b>                                                               |                      |
|                                   |                      |                                          |                         | Dedicated Acreage: <b>MV = 320</b><br><b>DAKOTA = 40</b><br><b>Gallup = 40</b> |                      |

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

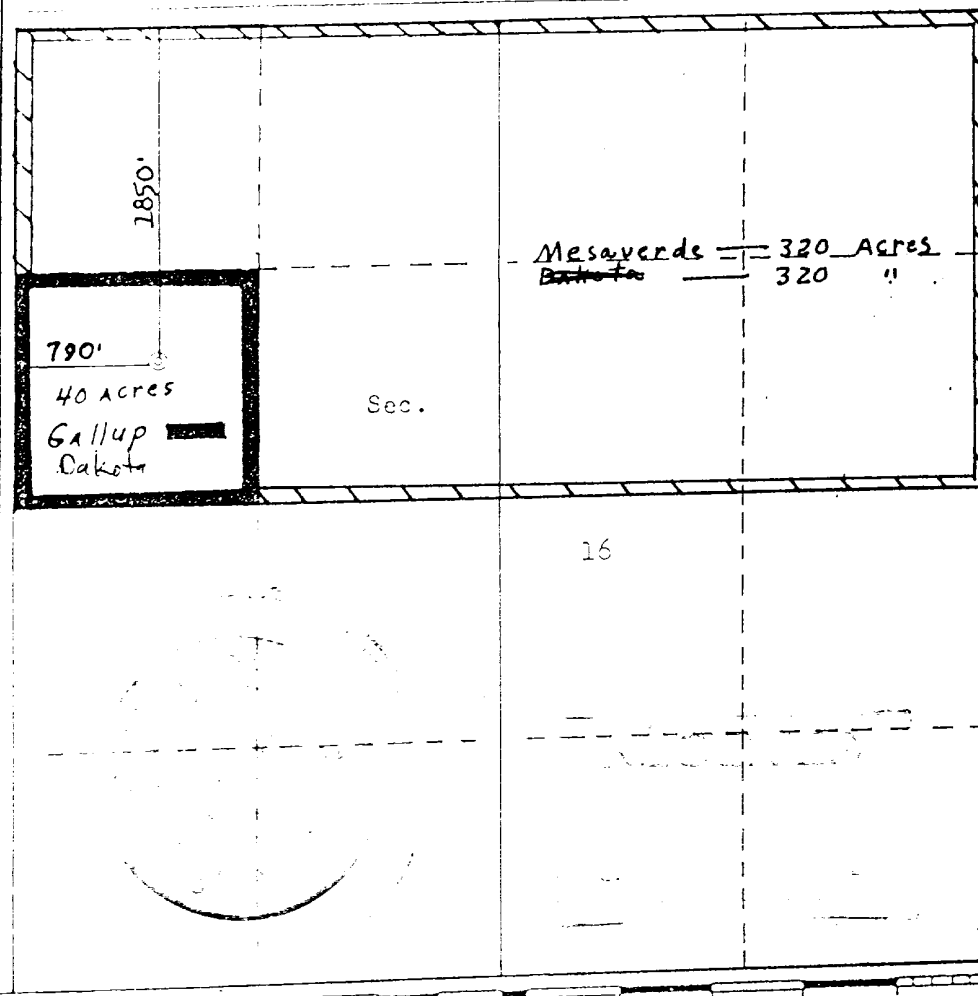
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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)?

4. If answer is "yes," type of consolidation \_\_\_\_\_

5. If answer is "yes," list the owners and tract descriptions which have actually been consolidated. Use reverse side of this form if necessary.

6. If answer is "no," state when the well was assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, etc) or otherwise 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.

*[Signature]*

Name  
**Curtis J. Little**

Position  
**Agent**

Company  
**J. Felix Hickman**

Date  
**5-12-1982**

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

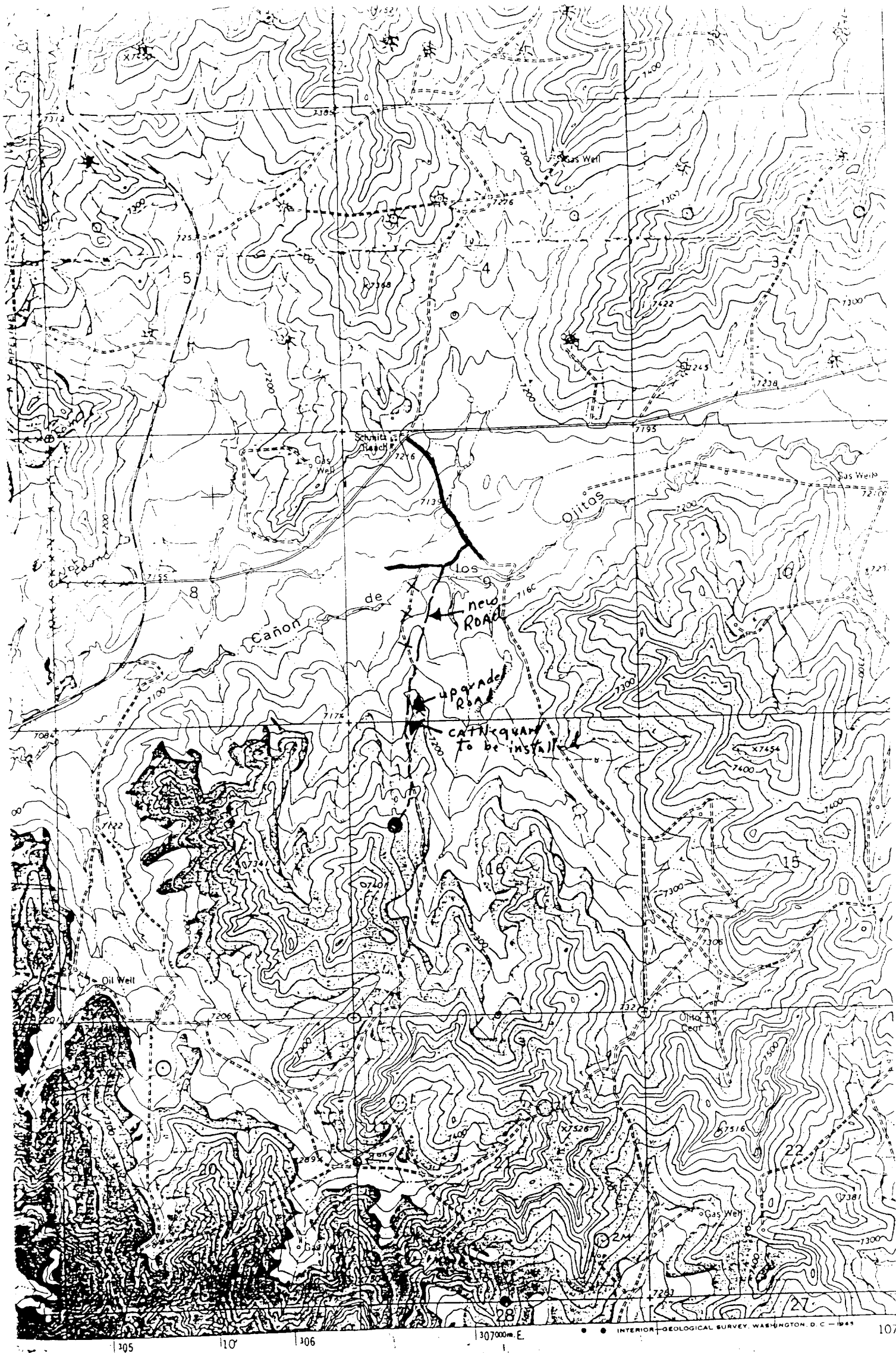
**April 1982**

Registered Professional Engineer and/or Land Surveyor

*[Signature]*  
**Fred B. Kohn Jr.**

Certification No.

**-3950**



Vicinity Map for  
J. FELIX HICKMAN #2 SCHMITZ  
1850' FNL 790' FWL Sec. 16-T25N-R3W  
RIO ARRIBA COUNTY, NEW MEXICO

NEW MEXICO

D CLASSIFICATION

Light-duty road

Improved dirt road

State Route