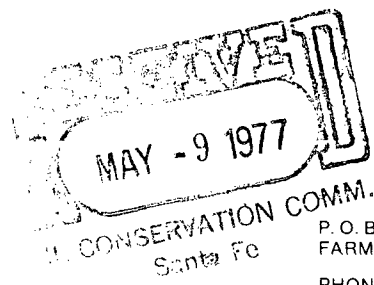


**El Paso** NATURAL GAS  
COMPANY



P. O. BOX 990  
FARMINGTON, NEW MEXICO 87401  
PHONE: 505-325-2841

May 5, 1977

*NSL-850*

*104 F*

*Due May 29*

Mr. Joe Ramey  
New Mexico Oil Conservation Commission  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Dear Mr. Ramey:

This is a request for administrative approval for an unorthodox gas well location in both the Blanco Pictured Cliffs and Blanco Mesa Verde pools.

It is intended to locate the El Paso Natural Gas Company Mudge #4A 1015' from the North line and 1950' from the West line of Section 1, T-31-N, R-11-W, in San Juan County, New Mexico.

There is a bluff located directly west of the proposed location which makes it extremely difficult and expensive to build an orthodox location. The subject well is unorthodox because it is located less than 790' from the East lease line. El Paso is the offset operator to the east.

All operators of proration units offsetting the proposed unorthodox location have been notified of this application by certified mail.

A plat showing the proposed well location and one showing offset ownership are attached.

Sincerely,

*L. A. Aimes*

L. A. Aimes  
Sr. Drilling Engineer

LAA:pb

cc: P. T. McGrath  
A. R. Kendrick  
Jim Permenter

EL PASO NATURAL GAS COMPANY

Well Name . . . MUDGE #4 A, Blanco Mesaverde

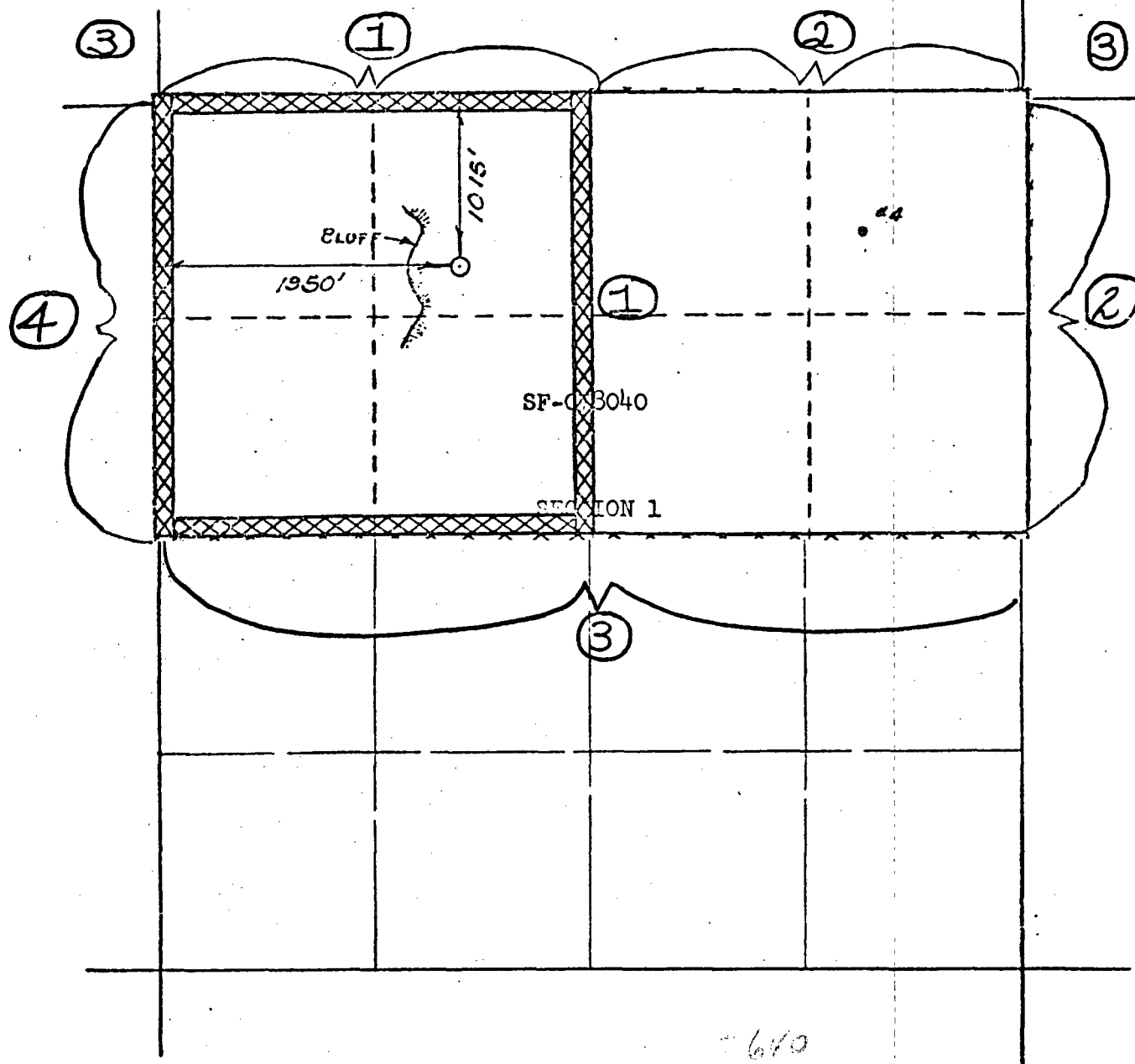
Footage---- 1015' FNL, 1950' FWL

## APPLICATION FOR NON-STANDARD LOCATION

County . . . San Juan

State New Mexico

Section 1 Township 31 N Range 11 W



REMARKS: 1. El Paso Natural Gas Company  
2. Mesa Petroleum  
3. Aztec Oil & Gas Company  
4. American Petrofina et al

640  
1950  

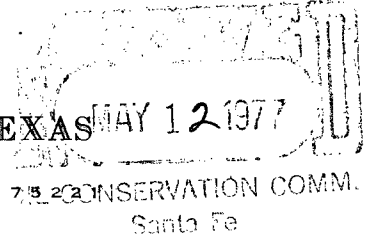
---

690



AMERICAN PETROFINA COMPANY OF TEXAS

POST OFFICE BOX 2159 • DALLAS, TEXAS 75201



PLEASE REPLY TO:  
PRODUCTION DEPARTMENT

May 10, 1977

New Mexico Oil Conservation Commission  
P. O. Box 1088  
Santa Fe, New Mexico 87501

Re: Unorthodox Location  
El Paso Natural Gas Company  
Mudge #4A  
1950' FWL and 1015' FNL of  
Section 1, T31N-R11W, San Juan  
County, New Mexico

Gentlemen:

As requested by El Paso Natural Gas Company, enclosed herewith for your file is an approved copy of their letter dated May 5, 1977.

Very truly yours,

W. F. Barthelemy

WFB:bj

Encl.

cc: El Paso Natural Gas Company  
P. O. Box 990  
Farmington, New Mexico 87401  
Attention: Mr. L. A. Aimes  
Senior Drilling Engineer

**El Paso** NATURAL GAS  
COMPANY

**RECEIVED**  
MAY 12 1977  
OIL CONSERVATION  
P. O. BOX 990  
FARMINGTON, NEW MEXICO 87401  
PHONE: 505-325-2841

May 5, 1977

Mesa Petroleum  
Aztec Oil & Gas Company  
American Petrofina

Re: Unorthodox Location

Gentlemen:

El Paso Natural Gas Company has requested administrative approval from the New Mexico Oil Conservation Commission for an unorthodox gas well location for an infill Mesa Verde - Pictured Cliffs dual well.

It is intended to locate the El Paso Natural Gas Company Mudge #4A 1950' from the West line and 1015' from the North line of Section 1, T-31-N, R-11-W, San Juan County, New Mexico.

This is necessary due to terrain problems shown on the attached plats.

In compliance with New Mexico Oil Conservation Commission rules, we are notifying you, as operators of an offsetting proration unit, of our unorthodox application for administrative approval for the aforementioned unorthodox gas well location. Enclosed are three copies of this letter. If there are no objections to this location, please sign and return one copy to the New Mexico Oil Conservation Commission, Post Office Box 1088, Santa Fe, New Mexico 87501, one copy to El Paso Natural Gas Company and keep one copy for your files.

A plat showing the proposed well location and offsetting lease ownership is attached.

Yours truly,

*L. A. Aimes*

L. A. Aimes  
Sr. Drilling Engineer

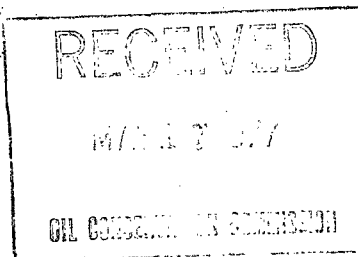
LAA:pb

AMERICAN PETROFINA COMPANY OF TEXAS

Approved: *[Signature]*

Date: 5-10-77

**El Paso** NATURAL GAS  
COMPANY



P.O. BOX 990  
FARMINGTON, NEW MEXICO 87401  
PHONE: 505-325-2841

May 5, 1977

Mesa Petroleum  
Aztec Oil & Gas Company  
American Petrofina

Re: Unorthodox Location

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Yours truly,

A handwritten signature in cursive script, appearing to read "L. A. Aimes".

L. A. Aimes  
Sr. Drilling Engineer

LAA:pb

Approved: A handwritten signature in cursive script, appearing to read "Van Ryan".

Date: 5-16-77

RECEIVED

MAY 10 1977

FARMINGTON DISTRICT

**El Paso** NATURAL GAS  
COMPANY



RECEIVED

MAY - 9 1977

Mesa Petroleum  
Aztec Oil & Gas Company  
American Petrofina

AMA. PROD.

Re: Unorthodox Location

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*L. A. Aimes*

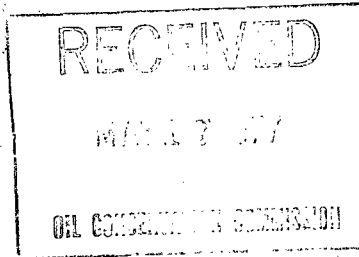
L. A. Aimes  
Sr. Drilling Engineer

LAA:pb

Approved: *[Signature]* Central Division Manager  
Mesa Petroleum Co.

Date: May 12, 1977

**El Paso** NATURAL GAS  
COMPANY



P. O. BOX 990  
FARMINGTON, NEW MEXICO 87401  
PHONE: 505-325-2841

May 5, 1977

Mesa Petroleum  
Aztec Oil & Gas Company  
American Petrofina

Re: Unorthodox Location

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Yours truly,

*L. A. Aimes*

L. A. Aimes  
Sr. Drilling Engineer

LAA:pb

Approved: 

Date: 5-16-77

RECEIVED

MAY 10 1977

FARMINGTON DISTRICT

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

El Paso Natural Gas Company

## 3. ADDRESS OF OPERATOR

PO Box 990, Farmington, NM 87401

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

1015'N, 1950'W

At proposed prod. zone

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

## 15. DISTANCE FROM PROPOSED\*

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

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

6337'GL

## 16. NO. OF ACRES IN LEASE

## 19. PROPOSED DEPTH

5765'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

106.34 &amp; 320.59

## 20. ROTARY OR CABLE TOOLS

Rotary

## 22. APPROX. DATE WORK WILL START\*

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 3/4"	9 5/8"	32.3#	200'	224 cu.ft. to circulate
8 3/4"	7"	20.0#	3445'	500 cu.ft. to cover Ojo Alamo
6 1/4"	4 1/2" liner	10.5#	3295-5765'	430 cu.ft. to fill to 3295'

Selectively perforate and sandwater fracture the Mesa Verde and the Pictured Cliffs formation.

A 3000 psi WP and 6000 psi test double gate preventer equipped with blind and pipe rams will be used for blow out prevention on this well.

This gas is dedicated.

The N/2 of Section 1 is dedicated to this 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

*A. G. Busco*

TITLE

Drilling Clerk

DATE

May 5, 1977

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side



NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION FORM

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

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

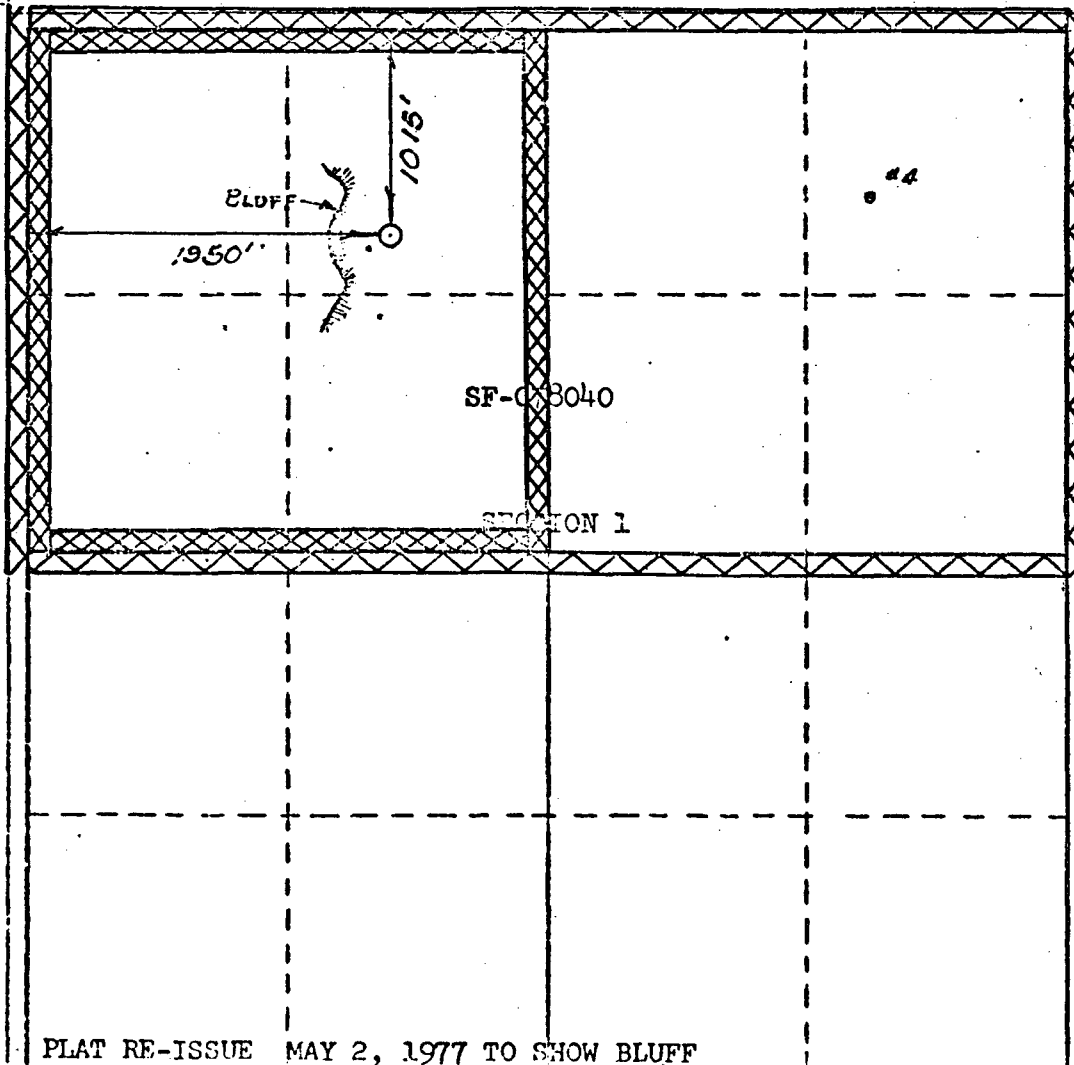
Operator <b>EL PASO NATURAL GAS COMPANY</b>		Lease <b>MUDGE (SF-078040)</b>		Well No. <b>4A</b>
Unit Letter <b>C</b>	Section <b>1</b>	Township <b>31-N</b>	Range <b>11-W</b>	County <b>SAN JUAN</b>
Actual Footnote Location of Well: <b>1015</b> feet from the <b>NORTH</b> line and <b>1950</b> feet from the <b>WEST</b> line				
Ground Level Elev. <b>6337</b>	Producing Formation <b>PICTURED CLIFFS &amp; MESA VERDE</b>		Pool <b>BLANCO PICTURED CLIFFS BLANCO MESA VERDE</b>	Dedicated Acreage: <b>160.34 &amp; 320.59 Acres</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?

☐ 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.

Name \_\_\_\_\_

Position \_\_\_\_\_

Company \_\_\_\_\_

Date \_\_\_\_\_

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 7, 1977**

Registered Professional Engineer  
and/or Land Surveyor

Certificate No. **1760**

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

OIL CONSERVATION COMMISSION  
Ceyter DISTRICT

OIL CONSERVATION COMMISSION  
BOX 2088  
SANTA FE, NEW MEXICO

DATE 5-6-77

RE: Proposed MC \_\_\_\_\_  
Proposed DHC \_\_\_\_\_  
Proposed NSL ✓ \_\_\_\_\_  
Proposed SWD \_\_\_\_\_  
Proposed WFX \_\_\_\_\_  
Proposed PMX \_\_\_\_\_

Gentlemen:

I have examined the application dated 5-5-77  
for the El Paso Natural Gas Co. Mudge #4A C-1-31N-11W  
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours very truly,

AR Hendrick