

30-045-21590

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
 1800'S, 1050'W
 At proposed prod. zone

5. LEASE DESIGNATION AND SERIAL NO.
 NM 012708

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Howell E

9. WELL NO.
 3

10. FIELD AND POOL, OR WILDCAT
 Blanco Pictured Cliffs Ext.

11. SEC., T., R., M., OR B.L.R. AND SURVEY OR AREA
 Sec. 29, T-30-N, R-8-W
 NMPM

12. COUNTY OR PARISH
 San Juan

13. STATE
 NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest Crlg. unit line, if any)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL
 146.36

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

19. PROPOSED DEPTH
 2715'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5865'GL

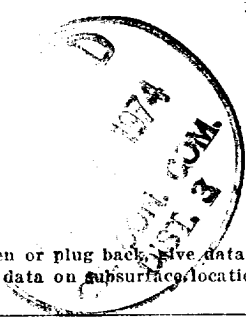
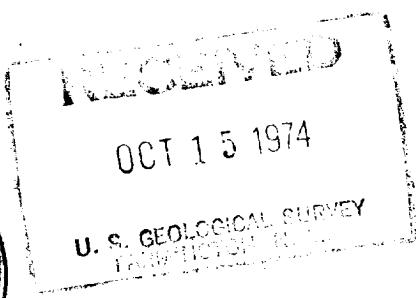
22. APPROX. DATE WORK WILL START*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24.0#	120'	106 cu. ft. to circulate
6 3/4"	2 7/8"	6.4#	2715'	386 cu. ft. to cover Ojo Alamo

Selectively perforate and sandwater fracture the Pictured Cliffs formation.

The SW/4 of Section 29 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 M. J. Lucas TITLE Drilling Clerk DATE October 15, 1974

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY [Signature] TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Write NW 1/4

**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.

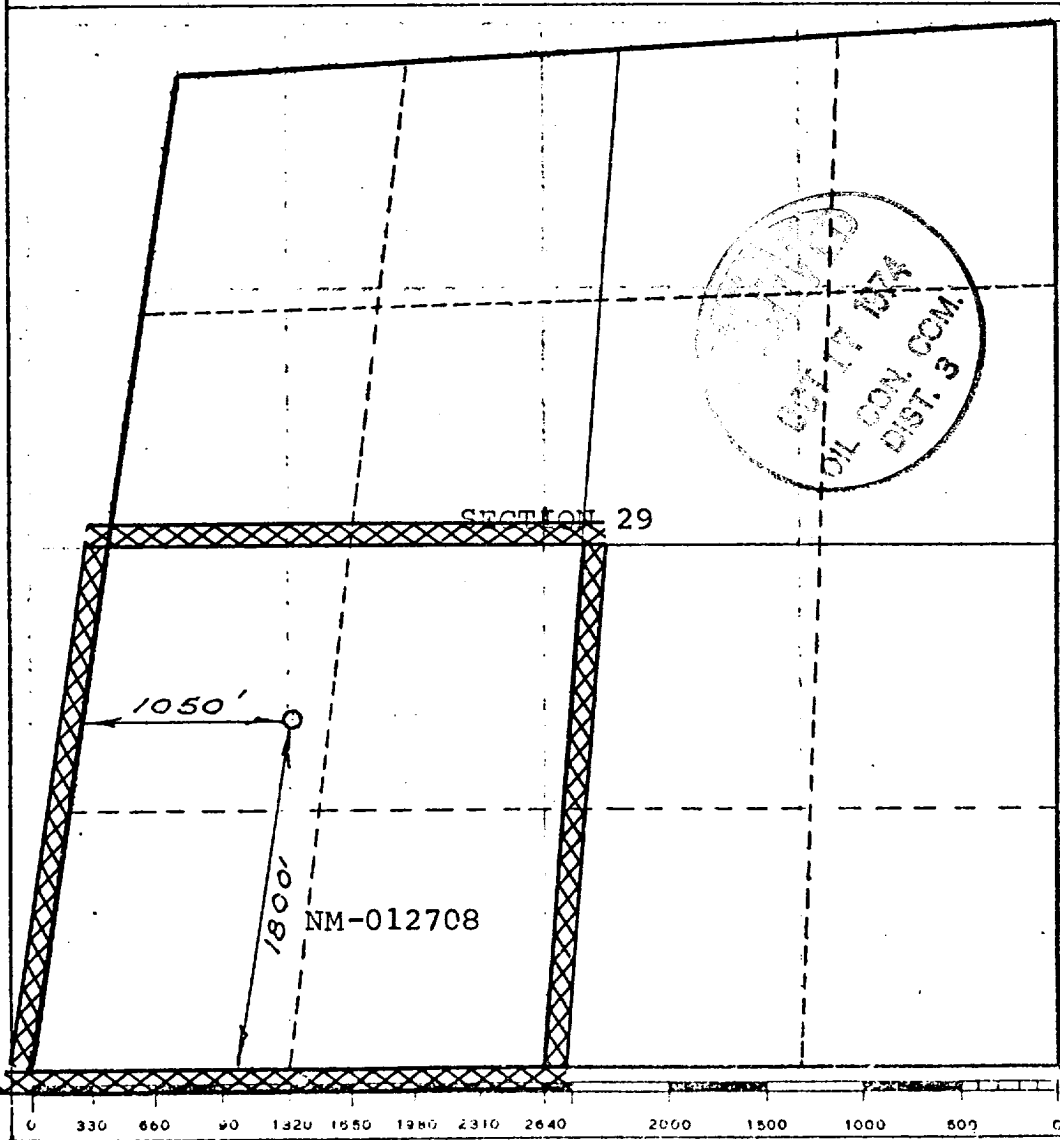
Operator EL PASO NATURAL GAS COMPANY		Lease HOWELL E (NM-012708)		Well No. 3
Unit Letter L	Section 29	Township 30-N	Range 8-W	County SAN JUAN
Actual Footage Location of Well: 1800 feet from the SOUTH line and 1050 feet from the WEST line				
Ground Level Elev. 5865	Producing Formation PICTURED CLIFFS	Pool BLANCO PICTURED CLIFFS EXT.	Dedicated Acreage: 146.36 Acres	

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.

Original Signed by

Name **D. G. Brisco**

Position **Drilling Clerk**

Company

El Paso Natural Gas Co.

Date

October 15, 1974

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

JULY 9, 1974

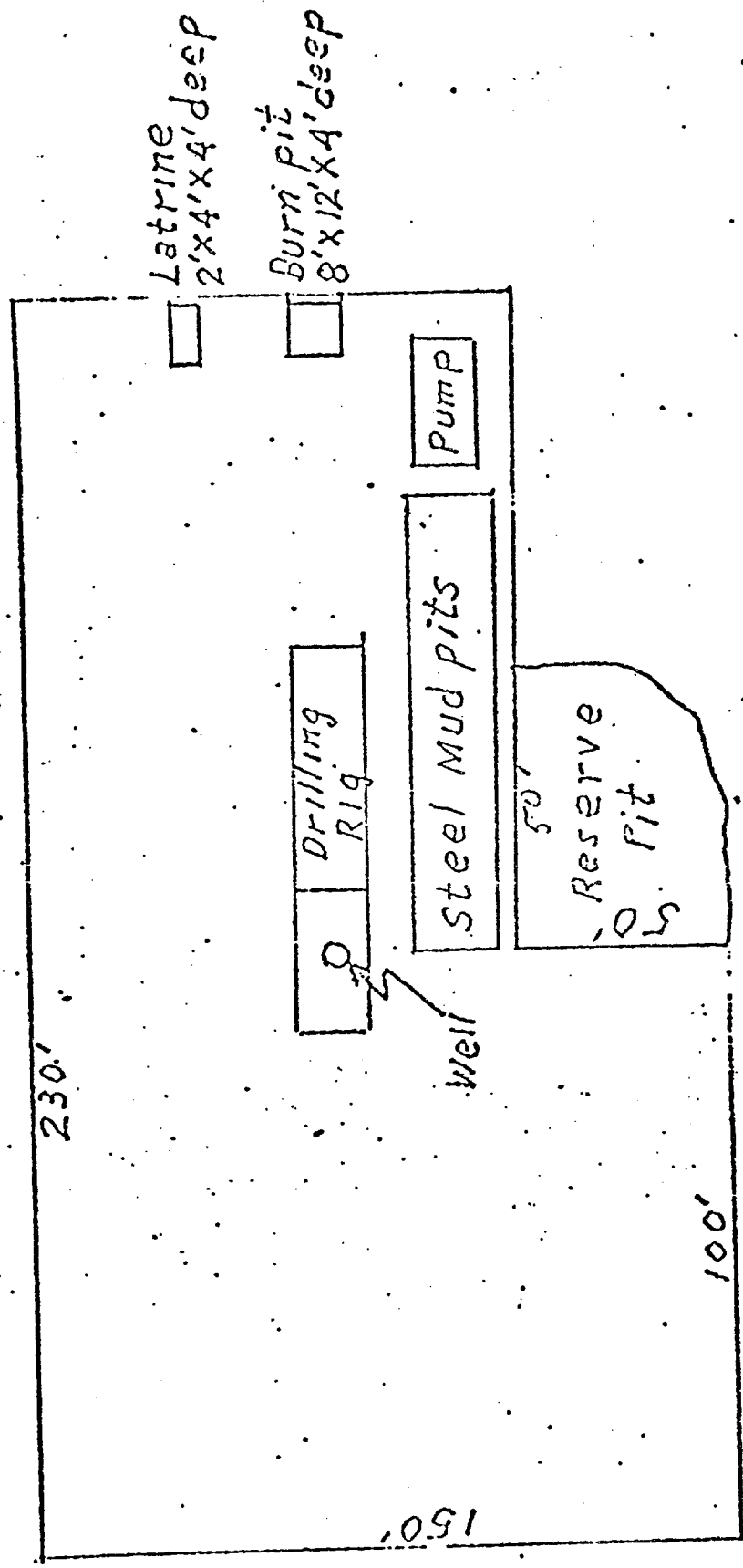
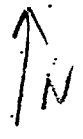
Registered Professional Engineer and/or Land Surveyor

[Signature]

Certificate No.

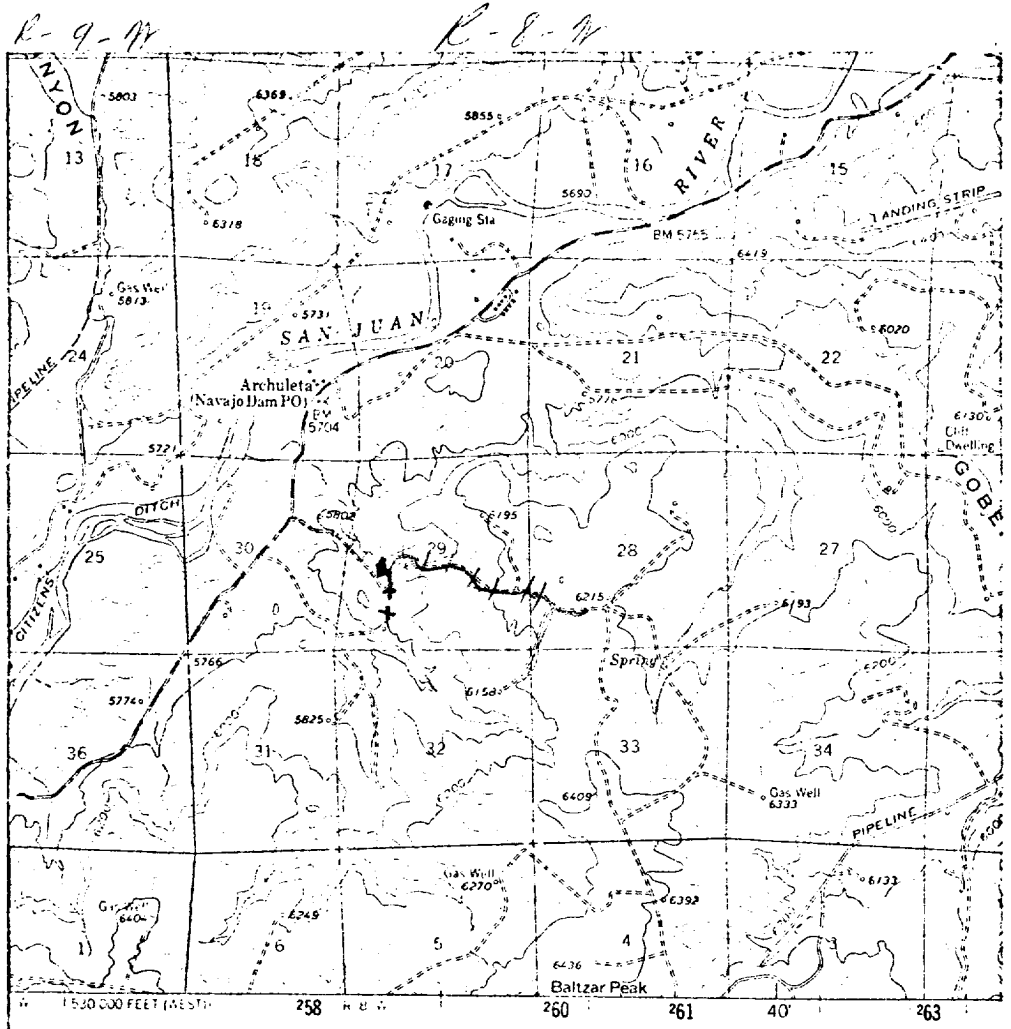
1760

Howe H. E. 03

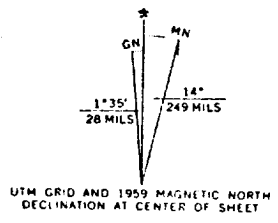


Howell Co #3
 NE 1/4 Sec. 29, T-30-N, R-8-W

R-9-W
 R-8-W
 T-30-N
 T-29-N



and published by the Geological Survey
 of USC & GS
 in 1959 from 1:24,000 scale maps
 with all topography by photogrammetric
 methods; photographs taken 1955
 on 1927 North American datum
 and on New Mexico coordinate system.
 UTM
 Transverse Mercator grid ticks,
 in feet
 U.S. units



LEGEND OF RIGHT-OF-WAYS

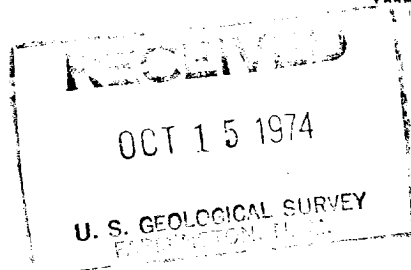
- EXISTING ROADS —————
- EXISTING PIPELINES - + - + - +
- EXISTING ROAD & PIPELINE - + - + - +
- PROPOSED ROADS —————
- PROPOSED PIPELINES + + + +
- PROPOSED ROAD & PIPELINE - + - + - +

El Paso Natural Gas Company

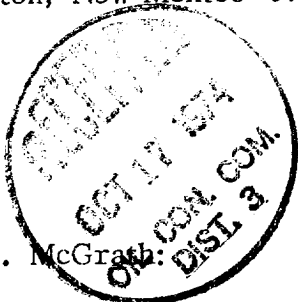
El Paso, Texas 79928

October 15, 1974

ADDRESS REPLY TO
POST OFFICE BOX 990
FARMINGTON NEW MEXICO 87401



Mr. P. T. McGrath
U. S. Geological Survey
Post Office Box 959
Farmington, New Mexico 87401



Re: Application for Permit to Drill
Howell E #3
NWSW/4 Section 29, T-30-N, R-8-W
Blanco Pictured Cliffs Ext.

Dear Mr. McGrath:

Details regarding existing roads, pipelines, wells, etc. relative to the above well location are included on the previously submitted base maps, "Field Road Map" and "Composite Map No. 1".

The proposed new well location, new roads and new pipeline are shown on the attached plat along with connecting existing roads and pipelines in the vicinity of the proposed new well.

Water for drilling and completion operations will be obtained from the following location: San Juan River, SE/4 Section 17, T-30-N, R-8-W.

Waste material will be disposed of by burial in the burn pit, latrine, or reserve pit as applicable. There will be no camp nor air strip associated with drilling this well. Upon completion or abandonment of this well, the location will be cleaned and leveled and a dry hole marker placed, if applicable.

Yours very truly,

A handwritten signature in cursive script that reads "D. G. Brisco".

D. G. Brisco
Drilling Clerk

pb