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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 ☒Special
See BelowSINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

El Paso Natural Gas Company

3. ADDRESS OF OPERATOR

Box 990, Farmington, New Mexico

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

At surface

1324'S, 1614'W

At proposed prod. zone

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

10. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drilg. unit line, if any)

16. NO. OF ACRES IN LEASE

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

4300

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

7200.19' GL

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/4"	13 3/8"	48#	500'	500 Sks. to circulate
12 1/4"	9 5/8"	36#	3700'	1125 Sks. to circulate
8 3/4"	7" Liner	20#	3600-3900'	100 Sks. to circulate top of liner.
6 1/4"	Open Hole		3900-4300'	

It is proposed to drill this well to confirm the site for the nuclear detonation in the proposed "Project Casbuggy", which is to be conducted in cooperation with the Atomic Energy Commission and the United States Bureau of Mines. The program to be conducted in association with the drilling of this well is contained in Appendix "A", dated January 5, 1967, which is attached and is made a part of this application.



RECEIVED

FEB 8 1967

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 By

W. G. Cutler

TITLE

Petroleum Engineer

DATE

2-8-67

(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

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 re-drill 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.

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

All distances must be from the outer boundaries of the Section

Operator EL PASO NATURAL GAS COMPANY		Lease GAS BUGGY		SF-079761		Well No. 1
Unit Letter K	Section 36	Township 29-N	Range 4-W	County RIO ARriba		
Actual Footage Location of Well: 1324 feet from the SOUTH end of the 1614 feet from the WEST line						
Ground Level Elev. 7200.19	Fracturing Firm No. PICTURED CLIFFS	Fracturing Firm No. CHOZA MESA PICTURED CLIFFS		Drill Stem Average _____		
Area _____						

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plot below
- If more than one lease is dedicated to the well, outline each and identify the ownership thereon (born as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by, communitization, unitization, forced pooling, etc?

Yes _____ No _____ If answer is "No," type of consolidation _____

If answer is "No," list the owners and tract descriptions which have actually consolidated. (Use reverse side of this form if necessary) _____

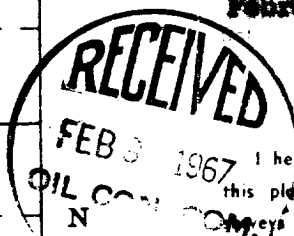
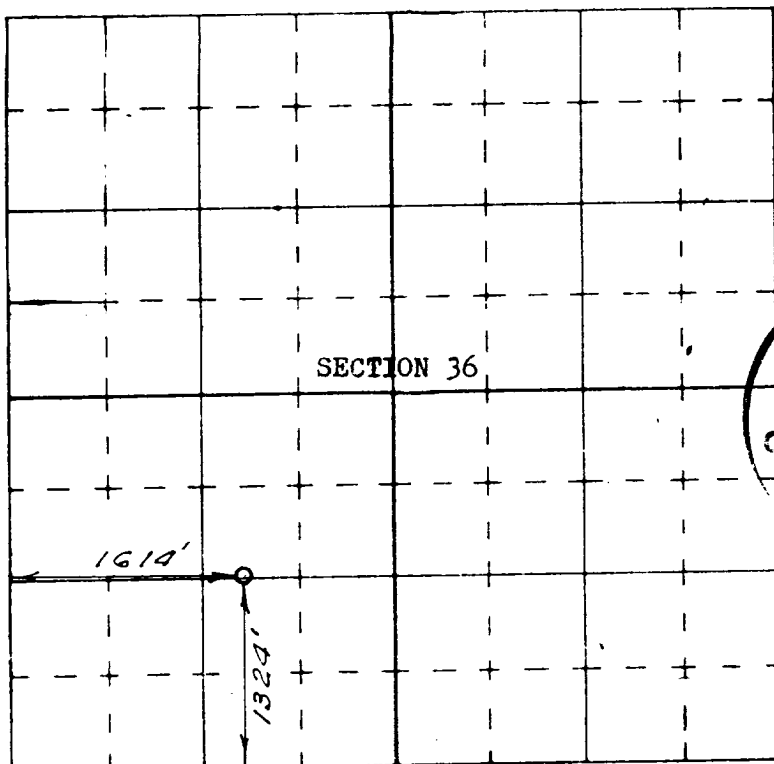
No allowable well be assigned to the well and all interests have been consolidated by communitization, unitization, forced pooling, or otherwise or until a non standard unit eliminating such interests has been approved by the Commission.

CERTIFICATION

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

Original Signed By
W. G. Cutler

Name _____
Petroleum Engineer
Position _____
El Paso Natural Gas Company
Company _____
February 8, 1967



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 _____

JANUARY 24, 1967

Registered Professional Engineer
and Licensed Surveyor

David Wilson
Certificate No. **1760**