

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

30-045 20353

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐		5. LEASE DESIGNATION AND SERIAL NO. SF 078200-B
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR El Paso Natural Gas Company		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR Box 990, Farmington, New Mexico - 87401		8. FARM OR LEASE NAME Little B
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1090'S, 1800'E At proposed prod. zone		9. WELL NO. 5
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND POOL, OR WILDCAT Basin Dakota
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 23, T-30-N, R-10-W N.M.P.M.
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH 7420'	12. COUNTY OR PARISH 13. STATE San Juan New Mexico
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6207' OL	17. NO. OF ACRES ASSIGNED TO THIS WELL 320.00	20. ROTARY OR CABLE TOOLS Rotary
22. APPROX. DATE WORK WILL START*		

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"	32.30#	200'	158 Sks. to circulate
8 3/4"	4 1/2"		5300'	
7 7/8"	4 1/2"	10.5 & 11.6#	7420'	830 Sks. - 3 Stages

Production Casing Cementing:

First Stage w/280 sacks to fill from total depth to the top of the Gallup formation.
Second stage w/230 sacks to cover the Mesa Verde formation.
Third stage w/320 sacks to cover the Pictured Cliffs formation.

Selectively perforate and sand water fracture the Dakota formation.

The E/2 of Section 23 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. Original signed by Carl E. Matthews TITLE Petroleum Engineer DATE 9-25-68

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY [Signature] TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED
SEP 25 1968
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

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, in accordance with 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 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 survey 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 ACREAGE DEDICATION PLAT

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

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

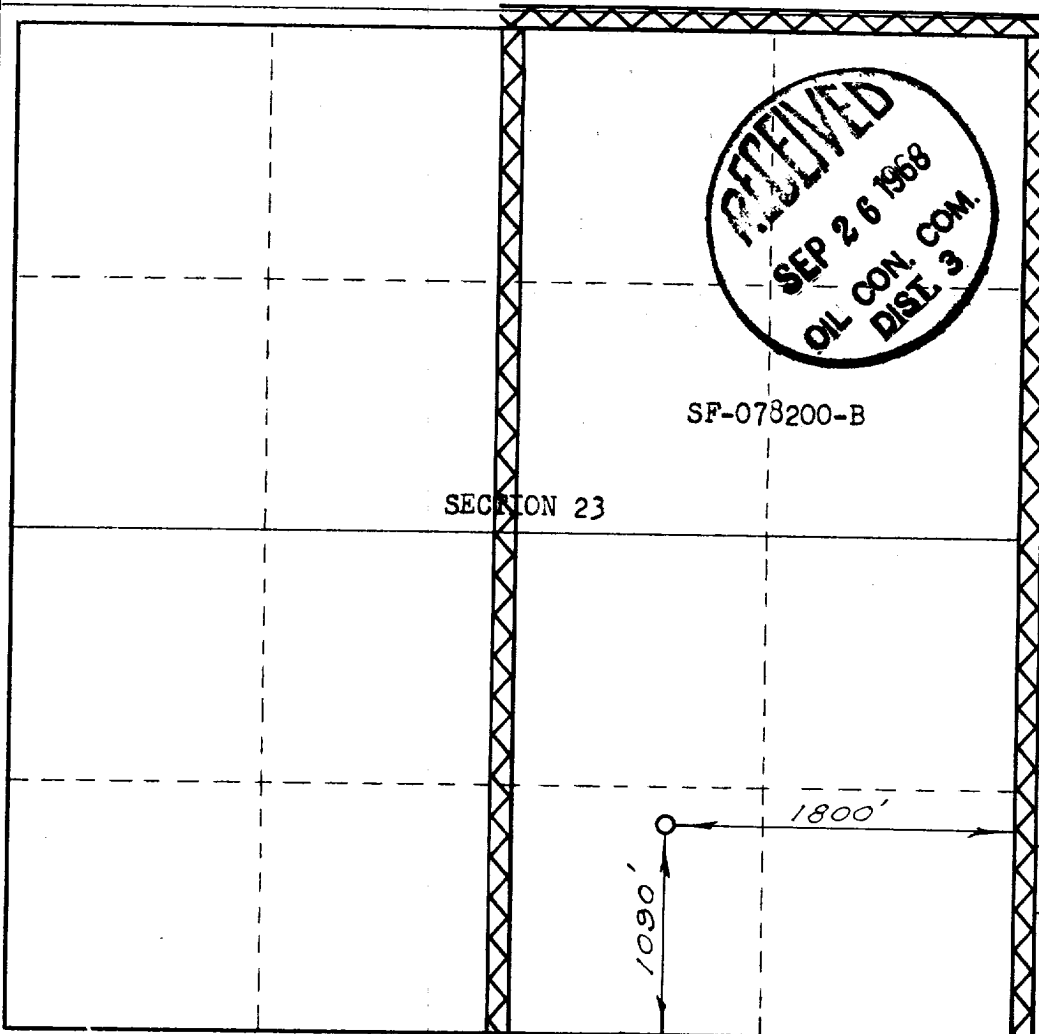
Owner EL PASO NATURAL GAS COMPANY		Lease RIDDLE B (SF-078200-B)		Well No. 5
Section 0	Section 23	Township 30-N	Range 10-W	County SAN JUAN
Actual Well Location of Well: 1090 feet from the SOUTH line and 1800 feet from the EAST line				
Ground Level Elev. 6207	Producing Formation DAKOTA	Pool BASIN DAKOTA	Dedicated Acreage: 320.00 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).
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
Carl E. Matthews

Name
Petroleum Engineer
Position
El Paso Natural Gas Company
Company
September 25, 1968
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
SEPTEMBER 11, 1968
Registered Professional Engineer and/or Land Surveyor
[Signature]
Certificate No. **1760**

