PERMIT NO. \_

APPROVED BY CONDITIONS OF APPROVAL, IF ANY:

SUBMIT IN TRIPLICATE.

Form approved. Budget Bureau No. 42-R1425.

(Other justructions of reverse side)

DATE \_\_

n	30-	045		17	130	7
	5. LEA	SE DESIG	NATION	AND S	ERIAL N	0.

UNITE	ED S	STAT	ES
DEPARTMENT	OF	THE	INTERIOR

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK  1a. Type of work  DRILL DEEPEN DEEPEN DEEPEN, OR PLUG BACK  DRILL DEEPEN DEEPEN DEEPEN, OR PLUG BACK  T. UNIT AGREE  7. UNIT AGREE  7. UNIT AGREE  8. FARM OR LE	POOL, OR WILDCAT		
DRILL IN DEEPEN	POOL, OR WILDCAT		
OIL WELL NAME OF OPERATOR  El Paso Natural Gas Company  3. Adderns of operator  PO Box 990, Farmington, NM 87401  4. Location of Well (Report location clearly and in accordance with any State requirements.*)  At surface In Miles and direction from nearest town or post office*  15. Distance from Proposed* Location to nearest defic, unit line, if any)  18. Distance from Proposed Location* PHOMERTY OR LEASE LINE, FT. (Also to nearest defic, unit line, if any)  18. Distance from Proposed Location* To nearest well, distilline, completed, or applied for, on this lease, ft.  (Also to nearest defic, built line, completed, or applied for, on this lease, ft.  5671'GR  PROPOSED CASING AND CEMENTING DEPTH  SIZE OF HOLE  SIZE OF HOLE  SIZE OF CASING  SIZE OF HOLE  SIZE OF CASING  WEIGHT PER FOOT  SETTING DEPTH  QUANTITY OF 223 CU., ft. to  6 1/4"  4 1/2"  10. 5#  2650-5100'  426 Cu.ft. to	A POOL, OR WILDCAT		
Howell A	D POOL, OR WILDCAT		
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  1500'N, 1650'W  At proposed prod. zone  15. DISTANCE FROM PRIPOSED* LOCATION TO NEAREST DATE OF THIS WELL, SELLINE, FT. (Also to agreet drig, unit line, if any)  18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DELILINE, COMPLETED, OR APPENDS. PROPOSED LOCATIONS (Show whether DF, RT, GR, etc.)  5671'GR  10. FIRED AND 11. SEC., T., R., AND SURVE SCI., R.,	ŕ		
PO Box 990, Farmington, NM 87401  4. Location of Well (Report location clearly and in accordance with any State requirements.*)  At surface  1500'N, 1650'W  At proposed prod. zone  1500'N, 1650'W  At proposed prod. zone  16. No. of acres in lease  17. No. of acres assigning to hearest town or post office.  18. Distance from proposed.  19. Proposed depth  19. Proposed depth  20. Rotary  21. Elevations (Show whether DF, RT, GR, etc.)  5671'GR  PROPOSED CASING AND CEMENTING PROGRAM  81ZE OF HOLE  81ZE OF CASING WEIGHT PER FOOT  823. PROPOSED CASING AND CEMENTING DEPTH  10. To blance, deficient, deficient, of the proposed depth and prop	ŕ		
PO BOX 990, Farmington, NM 8/491  4. Location of well (Report location clearly and in accordance with any State requirements.*)  At surface  1500'N, 1650'W  At proposed prod. zone  11. BEC., T., R., AND SURVE SCA. 4, NMPM'  14. Distance from Proposed*  Location to Nearest block for unit flue, if any)  15. Distance from Proposed*  Location to Nearest block, pril. (Also to nearest drig. unit flue, if any)  18. Distance from Proposed Location*  TO Nearest well, pril. Ind., completed, on Applied box, on this lease, ft.  20. Rotary or Cable too.  5671'GR  22. Approx. 1  5671'GR  23. PROPOSED CASING AND CEMENTING PROGRAM  Size of Hole Size of Casing Weight per poot Setting depth QUANTITY of 32, 3# 200' 223 cu. ft. to 8 3/4" 7" 20, 0# 2800' 337 cu. ft. to 6 1/4" 4 1/2" 10.5# 2650-5100' 426 cu. ft. to	ŕ		
At surface   1500'N, 1650'W   11. sec., T, R., Sec. 4   NMPM'     At proposed prod. zone   1500'N, 1650'W   12. county or San Juan     At distance in miles and direction from nearest town or post office*   12. county or San Juan     At distance from proposed   16. no. of acres in lease   17. no. of acres assigning to this well.   18. distance from proposed Location* to nearest drig. until line, if any)   19. proposed depth   20. rotary or cable too not applied for, on this lease, ft.   5100'   Rotary	Maga Vanda		
At proposed prod. zone  15.00'N, 1650'W  11. BIETANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*  12. COUNTY OR SAN JUAN  15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPOSED LOCATION* TO THIS WELL. 320, 50  18. DISTANCE FROM PROPOSED LOCATION* TO SARREST WELL, BRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  20. ROTARY OR CABLE TOWN OR APPLIED FOR, ON THIS LEASE, FT.  21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5671'GR  22. APPROX. I  SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF SAN JAMES AND CEMENTING PROGRAM  SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF SAN JAMES AND CEMENT OF SAN JAMES AN	Mesa_verde		
San Juan	Sec. 4, T-30-N, R-8-W		
16. No. OF ACRES IN LEASE   17. No. OF ACRES ASSIGNT TO THIS WELL.   320.50	R PARISH   13. STATE		
LOCATION TO NEAREST   PROPERTY OR LEARS LINE, FT. (Also to degreest drig. unit line, if any)   18. Distance from proposed location* To nearest well, distiling, completed, or applied for, on this lease, ft.   19. Proposed depth   20. Rotary or cable tog	ı NM		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DIGILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  5100'  Rotary  21. ELEVATIONS (Show whether DF, RT, GR, etc.)  5671'GR  22. APPROX. I  22. APPROX. I  23.  PROPOSED CASING AND CEMENTING PROGRAM  SIZE OF HOLE  SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CASING STATE OF CASIN	(ED		
OR APPLIED FOR, ON THIS LEASE, FT. 5100' Rotary 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5671'GR  PROPOSED CASING AND CEMENTING PROGRAM  SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF SETTING DEPTH QUANTITY OF SETTING DEPTH S	ARY OR CABLE TOOLS		
5671'GR  PROPOSED CASING AND CEMENTING PROGRAM  SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF STATE OF ST			
SIZE OF HOLE         SIZE OF CASING         WEIGHT PER FOOT         SETTING DEPTH         QUANTITY OF CASING           13 3/4"         9 5/8"         32.3#         200'         223 cu. ft. to           8 3/4"         7"         20.0#         2800'         337 cu. ft. to           6 1/4"         4 1/2"         10.5#         2650-5100'         426 cu. ft. to	DATE WORK WILL START®		
13 3/4" 9 5/8" 32.3# 200' 223 cu.ft. to 8 3/4" 7" 20.0# 2800' 337 cu.ft. to 6 1/4" 4 1/2" 10.5# 2650-5100' 426 cu.ft. to	,		
8 3/4"     7"     20.0#     2800'     337 cu. ft. to       6 1/4"     4 1/2"     10.5#     2650-5100'     426 cu. ft. to	OF CEMENT		
6 1/4" 4 1/2" 10.5# 2650-5100' 426 cu.ft. to	223 cu.ft. to circulate		
	337 cu.ft. to cover Ojo Alamo		
	o fill to intermedi		
Selectively perforate and sandwater fracture the Mesa Verde formation.			
A 3000 psi WP and 6000 psi test double gate preventer equipped with blind and pobe used for blow out prevention on this well.	oipe rams will		
The W/2 of Section 4 is dedicated to this well. FEB 20 1975	, , ,		
u. Postalista de la compansión de la compa La compansión de la compa	•		
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and gone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertice program, if any.	l proposed new productive ical depths. Give blowout		
24. Signed Drilling Clerk DATE FOR			

TITLE \_

## NEW MEXICO OIL CONSERVATION COMMISSION WE. LOCATION AND ACREAGE DEDICATIO LAT

	<u>-</u>	All distances must be	from the outer boundaries	of the Section.		T
Operator EL PASO	NATURAL	GAS COMPANY	HOWELL A		78580)	Well No.
Unit Letter Secti	on 4	Township 30-N	Range 8-W	County SA	N JUAN	
Actual Footage Location of 1500 feet		ORTH line and	1650	feet from the	EST	line
Ground Level Elev. 5671	Producing For	nation VERDE	Pool BLANCO	MESA VERI		20.50 Acres
1. Outline the act	reage dedica	ted to the subject v	vell by colored penc	il or hachure ma	rks on the pla	t below.
2. If more than o	ne lease is yalty).	dedicated to the we	ll, outline each and	identify the own	ership thereo	f (both as to working
3. If more than or dated by comm	e lease of d	ifferent ownership is mitization, force-poo	dedicated to the we	Mayo the inte	rests of all o	owners been consoli-
Yes	No If a	nswer is "yes," type	of consolidation	EEB S. D.	ON!	(Use reverse side of
If answer is " this form if nec	no," list the cessary.)	owners and tract des	scriptions which have	e atmansaren	gil olidated:	(Case reverse and or
No allowable w forced-pooling, sion NOTE:	ill be assign or otherwise THIS PI	ed to the well until a or until a non-stand LAT REISSUED	all interests have bee ard unit, eliminating TO SHOW EXIST	en consolidated such interests, ING MESA V	(by communi has been appi ERDE WEL	(Use reverse side of tization, unitization, coved by the Commis-
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						RTIFICATION
	200,		 		tained herein i	that the information construe and complete to the wiedge and belief.  ginal Signed by.  D. G. Brisco
× ×	+				Name  Drilling	
)650'	<del> </del>		1			Vetural Cas Co.
		×	1		Company Pebruary	28, 1975
SF-0	1 078580	CEOTIVON 4	· (		Date	
	              -	SECTION 4			shown on this notes of actua under my supe	ify that the well location plat was plotted from field al surveys made by me or exision, and that the same correct to the best of my belief.
A No. 3			1		Date Surveyed DECEMI	BER 29, 1974
• • • • • • • • • • • • • • • • • • •	1 1 1 1		1 1 1 1		Registered Prof and/or Land Sur	essional Engineer eveyor
6 330 (60 92	1320 1830 1	980 2319 2640	2000 1500 1000	500 0	Certificate No.	1760

## El Paso Malural Gus Company

El Paso, Texas 79978

February 20, 1975

ADDRESS REPLY TO POST OFFICE BOX 800

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

Re:

Application for Permit to Drill

Howell A #3A

SENW/4 Section 4, T-30-N, R-8-W

Blanco Mesa Verde

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: from the San Juan River, 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,

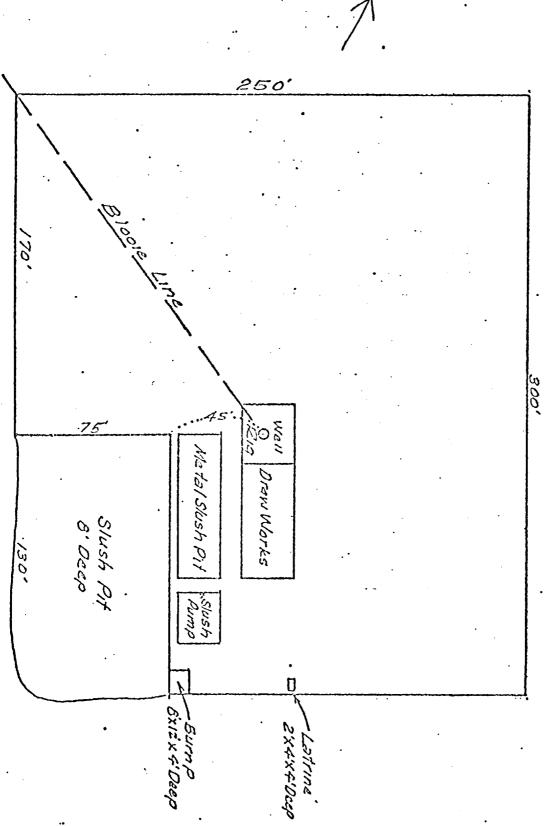
A. G. Busco

D. G. Brisco

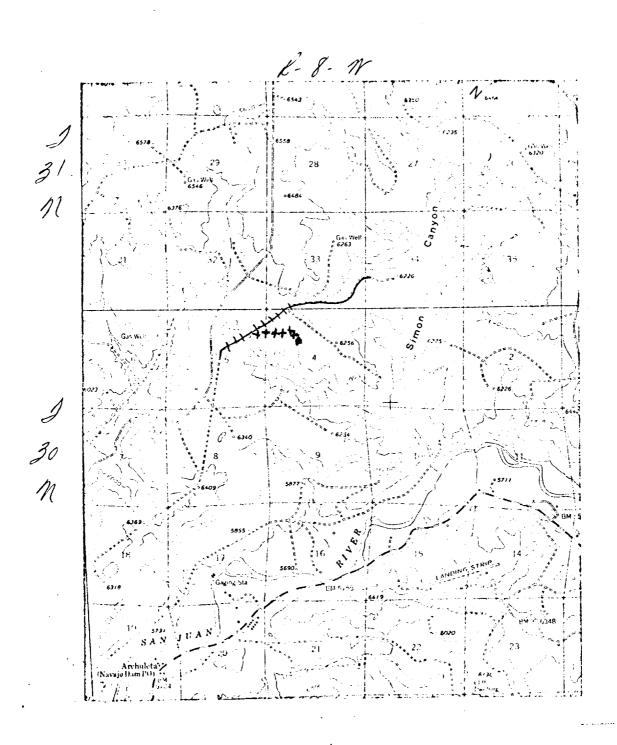
Drilling Clerk

FEB 2.0 1975

pb



## Sewell A # 3 A SENW/4 Sec. 4, D-30.11, R-8-N



## LEGEND OF RIGHT-OF-WAYS

	EXISTING	ROADS	
4	FYISTING	PIPELINE	'S -++-
,	EXISTING	ROAD & I	PIPELINE
	PROPOSED	ROADS	1
	PROPOSED	PIPELIM	is ++++
	PROPOSED	ROAD & I	PIPELINE, ++-