

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-039-21032

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SF 080669
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR El Paso Natural Gas Company		7. UNIT AGREEMENT NAME San Juan 27-4 Unit
3. ADDRESS OF OPERATOR PO Box 990, Farmington, NM 87401		8. FARM OR LEASE NAME San Juan 27-4 Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1720'N, 1190'E		9. WELL NO. 73
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND POOL, OR WILDCAT Blanco Mesa Verde Tapacito Pictured Cliffs - Ext.
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 17, T-27-N, R-4-W NMPM
16. NO. OF ACRES IN LEASE		12. COUNTY OR PARISH 13. STATE Rio Arriba NM
17. NO. OF ACRES ASSIGNED TO THIS WELL 320.00 and 160.00		18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
19. PROPOSED DEPTH 6250'		20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6918'GR		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#	4070'	190 cu. ft. to cover Ojo Alamo
6 1/4"	4 1/2"	10.5#	3970-6250'	300 cu. ft. to fill to 3970'

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

The E/2 of Section 17 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. Duice TITLE Drilling Clerk DATE October 9, 1974  
(This space for Federal or State office use)PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY CU TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

OCT 11 1974

\*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY  
BUREAU OF OIL AND GAS

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

All distances must be from the outer boundaries of the Section

Operator <b>EL PASO NATURAL GAS COMPANY</b>			Lease <b>SAN JUAN 27-4 UNIT (SF-080669)</b>		Well No. <b>73</b>
Unit Letter <b>H</b>	Section <b>17</b>	Township <b>27 NORTH</b>	Range <b>4 WEST</b>	County <b>RIO ARriba</b>	
Actual Footage Location of Well: <b>1720</b> feet from the <b>NORTH</b> line and <b>1190</b> feet from the <b>EAST</b> line					
Ground Level Elev. <b>6918.0</b>	Producing Formation <b>MESA VERDE PICTURED CLIFFS</b>		Pool <b>BLANCO MESA VERDE TAPACITO PICTURED CLIFFS</b>		Dedicated Acreage & Acres <b>160.00 320.00</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?

(X) Yes ( ) No If answer is "yes," type of consolidation Unitization

If answer is "no," list the owners and tract descriptions which have actually 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.

**NOTE: THIS PLAT REISSUED TO SHOW DUAL COMPLETION.  
10-1-74**

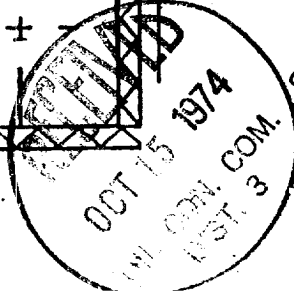
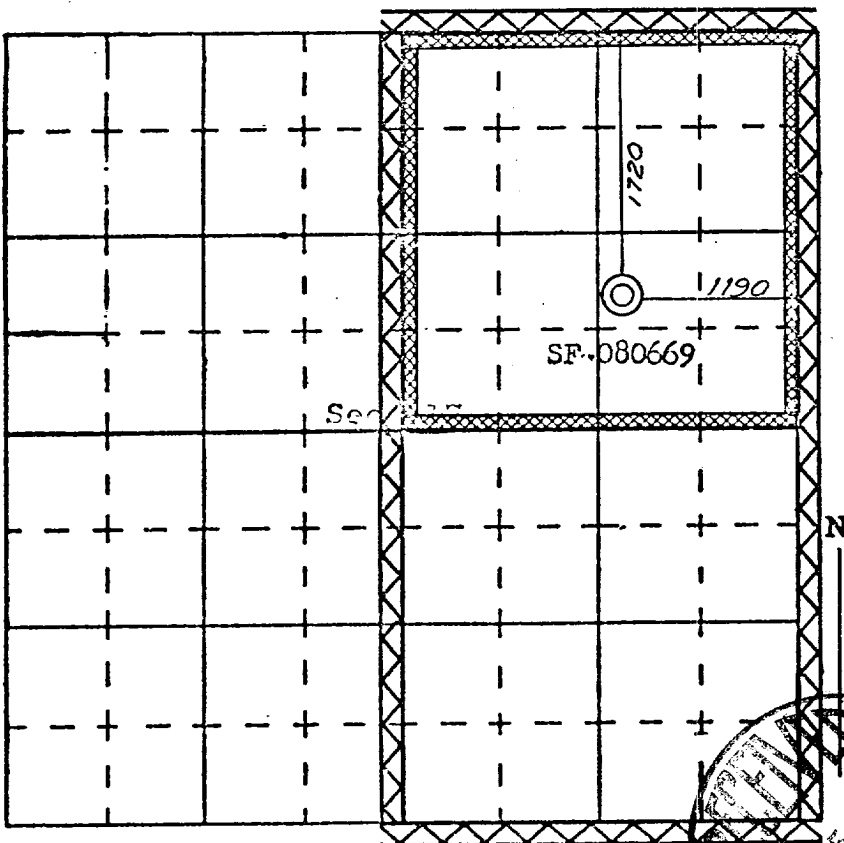
**CERTIFICATION**

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

*A. G. Duice*  
 Name \_\_\_\_\_  
 Drilling Clerk  
 Position \_\_\_\_\_  
 El Paso Natural Gas Co.  
 Company \_\_\_\_\_  
 October 9, 1974  
 Date \_\_\_\_\_  
**OCT 11 1974**

U. S. GEOLOGICAL SURVEY  
 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.

**OCT 15 1974**  
 Date Surveyed \_\_\_\_\_  
*James P. Leede*  
 Registered Professional Engineer  
 and Land Surveyor  
**JAMES P. LEED**  
**1463 JAMES P. LEED**  
 Certificate No. \_\_\_\_\_



# El Paso Natural Gas Company

El Paso, Texas 79978

October 9, 1974

ADDRESS REPLY TO  
POST OFFICE BOX 990  
FARMINGTON, NEW MEXICO 87401

Mr. Jerry Long  
U. S. Geological Survey  
Post Office Box 1809  
Durango, Colorado 81301

Re: Application for Permit to Drill  
San Juan 27-4 Unit #73  
NE/4 Section 17, T-27-N, R-4-W  
Tapacito Pictured Cliffs Ext. & Blanco Mesa Verde

Dear Mr. Long:

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: water hole located in the SE/4 Section 18, T-27-N, R-4-W.

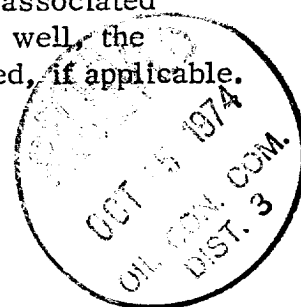
Waste material will be disposed of by burial in the burn pit, latrine, or reserve pit as applicable. There will be no camp nor air strip associated with drilling this well. Upon completion or abandonment of this well, the location will be cleaned and leveled and a dry hole marker placed, if applicable.

Yours very truly,

*D. G. Brisco*

D. G. Brisco  
Drilling Clerk

pb

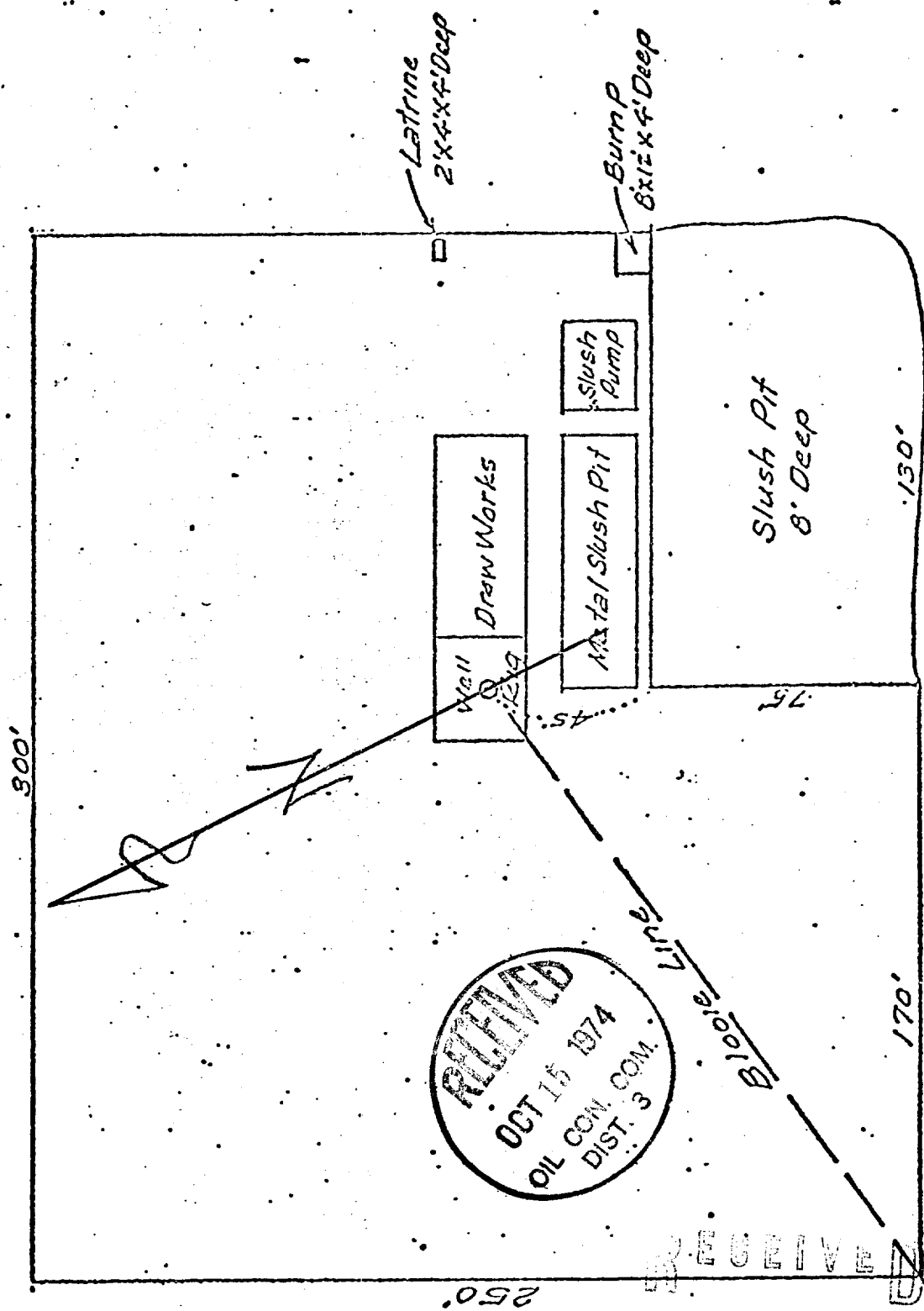


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OCT 11 1974

U. S. GEOLOGICAL SURVEY  
DURANGO, COLORADO

SAN JUAN 27-4 UNIT #73



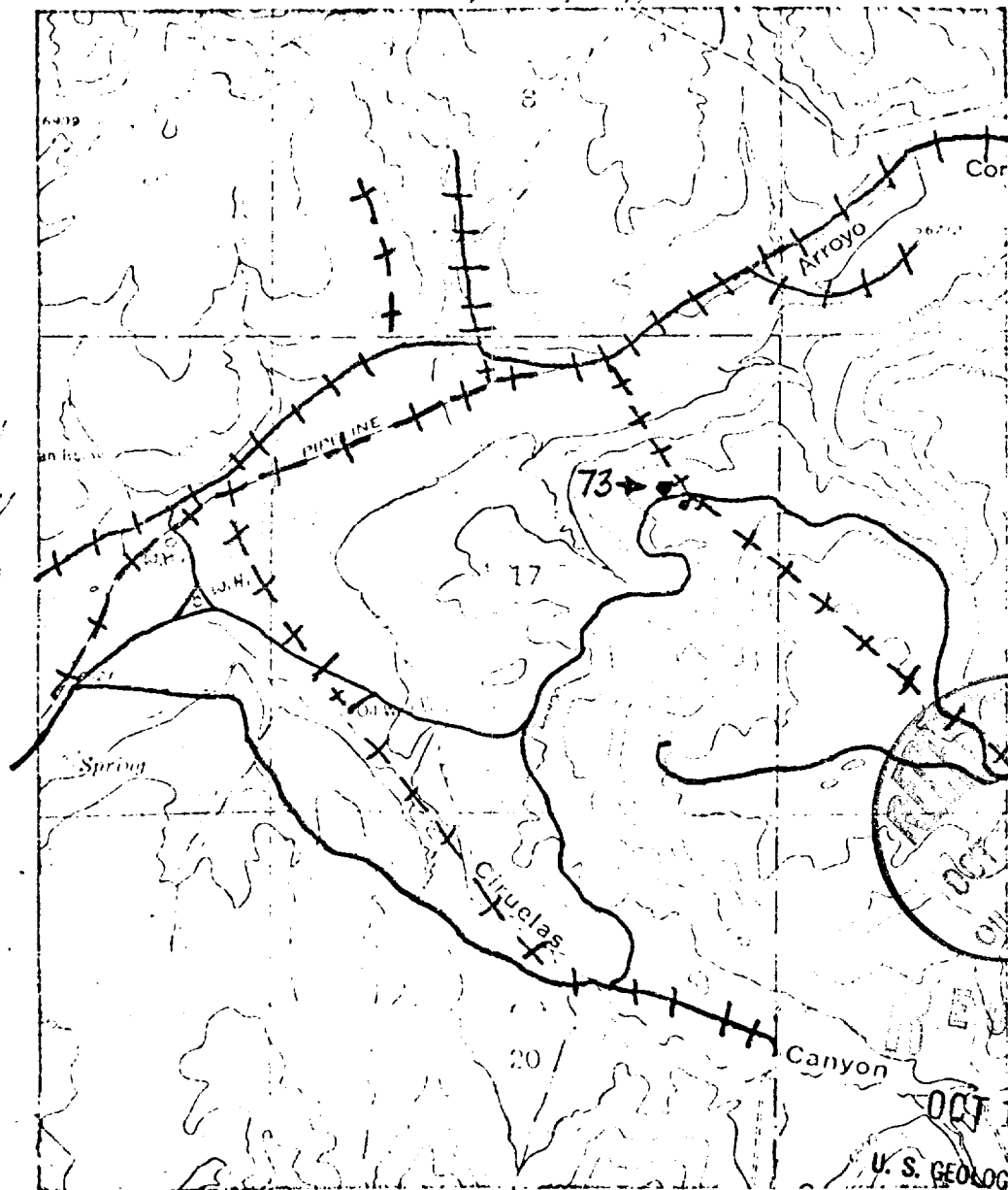
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OCT 15 1974  
OIL CON. COM.  
DIST. 3

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DURHAM

24-4 100 243  
 24-4 100 243



# LEGEND OF RIGHT-OF-WAYS

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