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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65 30-645 2-749

5A. Indicate Type of Lease	
STATE <input type="checkbox"/>	FEE <input checked="" type="checkbox"/>

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name Case	
2. Name of Operator El Paso Natural Gas Company		9. Well No. 11	
3. Address of Operator Box 990, Farmington, New Mexico 87401		10. Field and Pool, or Wildcat Aztec Pictured Cliffs	
4. Location of Well UNIT LETTER 1 LOCATED 1800 FEET FROM THE South LINE AND 1180 FEET FROM THE East LINE OF SEC. 19 TWP. 31N RGE. 11W NMPM		12. County San Juan	
19. Proposed Depth 2610'		19A. Formation Pictured Cliffs	20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 5972' GL	21A. Kind & Status Plug. Bond Statewide	21B. Drilling Contractor Aztec Well Service	22. Approx. Date Work will start

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4"	8 5/8"	24#	120'	85 Sks.	Surface
6 3/4"	2 7/8"	6.4#	2610'	280 Sks.	900'

Selectively perforate and sand water fracture the Pictured Cliffs formation.

The SE/4 of Section 19 is dedicated to this well.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED.
EXPIRES June 14, 1976



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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Original Signed F. H. WOOD Title Petroleum Engineer Date 3-12-71

(This space for State Use)

APPROVED BY Emery C. Caved TITLE SUPERVISOR DIST. #3 DATE 3-16-71

CONDITIONS OF APPROVAL, IF ANY:

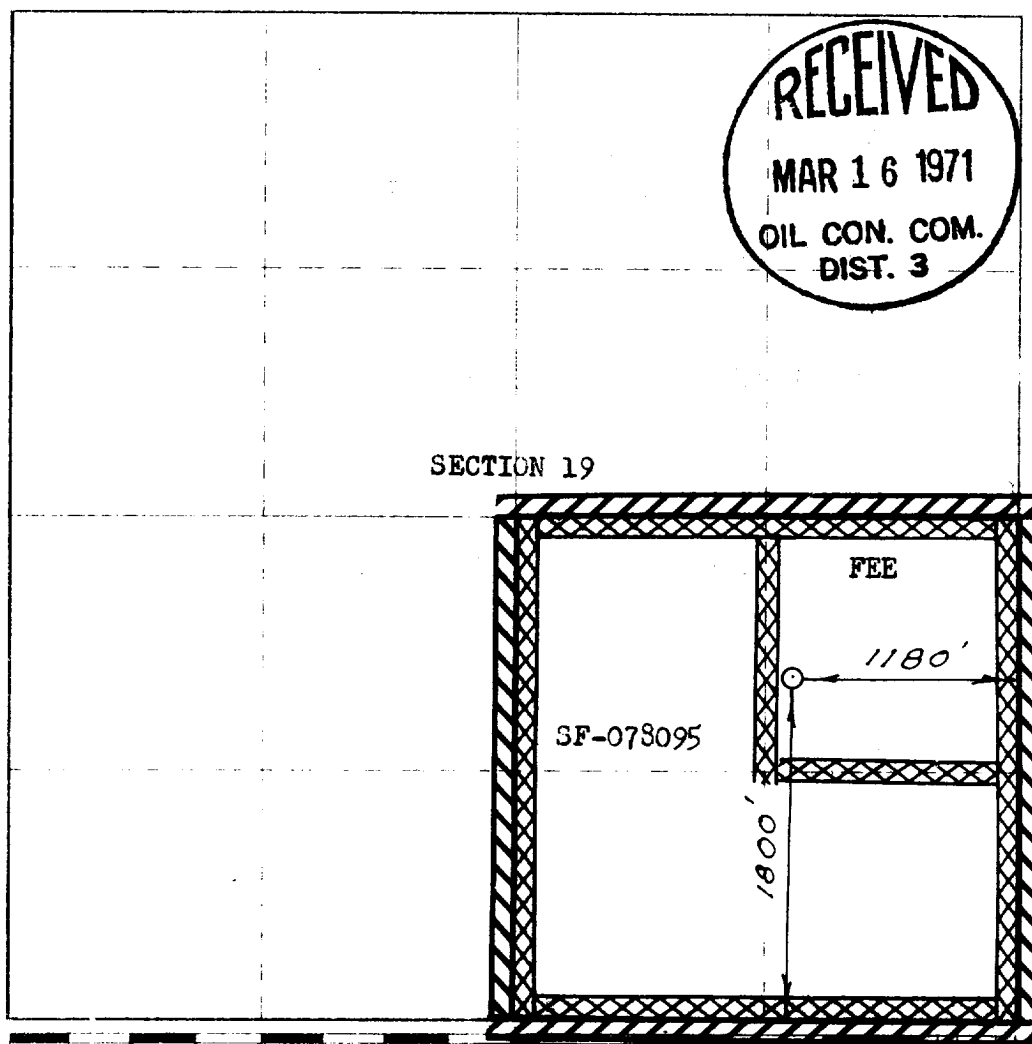


$$S_{n+1}(r) = S_n(r) + \frac{1}{n} \sum_{i=1}^n \frac{1}{\sqrt{2\pi}} \exp\left(-\frac{1}{2} \left(\frac{r - \mu_i}{\sigma_i}\right)^2\right)$$

EL PASO NATURAL GAS COMPANY			CASE	(FEE)	11
I	19	31-N	11-W	SAN JUAN	
1800	SOUTH		1180	EAST	
5972	PICTURED CLIFFS		AZTEC-PICTURED CLIFFS		150.00 ✓

- X** Yes No If answer is "yes," type of consolidation: Communitization

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.



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

Original Signed F. H. WOOD

Petroleum Engineer

El Paso Natural Gas Company

March 12, 1971

It should be noted that this study was a
show-up of the high frequency of the use of
dates of interest in days, months, and years
and was very different from the study of
the use of a single date of the last year
known to the subject.

JANUARY 20, 1971

1760