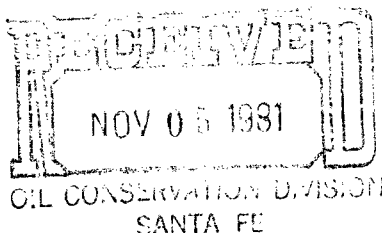


El Paso EXPLORATION
COMPANY

P. O. BOX 289
FARMINGTON, NEW MEXICO 87401
PHONE: 505-325-2841



November 3, 1981

Mr. Joe Ramey
New Mexico Oil Conservation Division
Post Office Box 2088
Santa Fe, New Mexico 87501

Dear Mr. Ramey:

This is a request for administrative approval for an unorthodox gas well location in the Blanco Pictured Cliffs Extension pool.

It is intended to locate the El Paso Natural Gas Company's Atlantic #19 at 550' from the North line and 1560' from the West line of Section 25, T-31-N, R-10-W, San Juan County, New Mexico.

Extremely rough terrain in the form of steep cliffs and an oil production tank battery in the northwest corner of the section makes it impossible to build an orthodox gas well location.

El Paso operates all proration units offsetting the proposed unorthodox location.

Plats showing the proposed well location and the terrain of Section 25, along with an ownership plat, are attached.

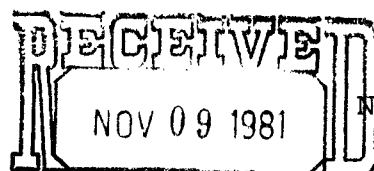
Sincerely,

Gary W. Brink
Gary W. Brink
Project Drilling Engineer

GWB:pb

El Paso EXPLORATION
COMPANY

P. O. BOX 289
FARMINGTON, NEW MEXICO 87401
PHONE: 505-325-2841
Ext. 3104



November 16, 1981

OIL CONSERVATION DIVISION
SANTA FE

NEW MEXICO OIL CONSERVATION DIVISION
Attention: Mr. Joe D. Ramey, Director
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: Atlantic #19
Pictured Cliffs
NE $\frac{1}{4}$ NW $\frac{1}{4}$ 25-31-10
San Juan County, NM

Dear Mr. Ramey:

Attached is a corrected plat for the captioned well which El Paso Natural Gas Company proposes to drill. This plat is being changed as it incorrectly listed all the working interest owners of offsetting Pictured Cliffs wells and should have only listed El Paso Natural Gas Company as the offset operator of the proration units.

We regret any inconvenience this may cause.

Yours very truly,

Linda Donohue
Clerk
Exploration-Land

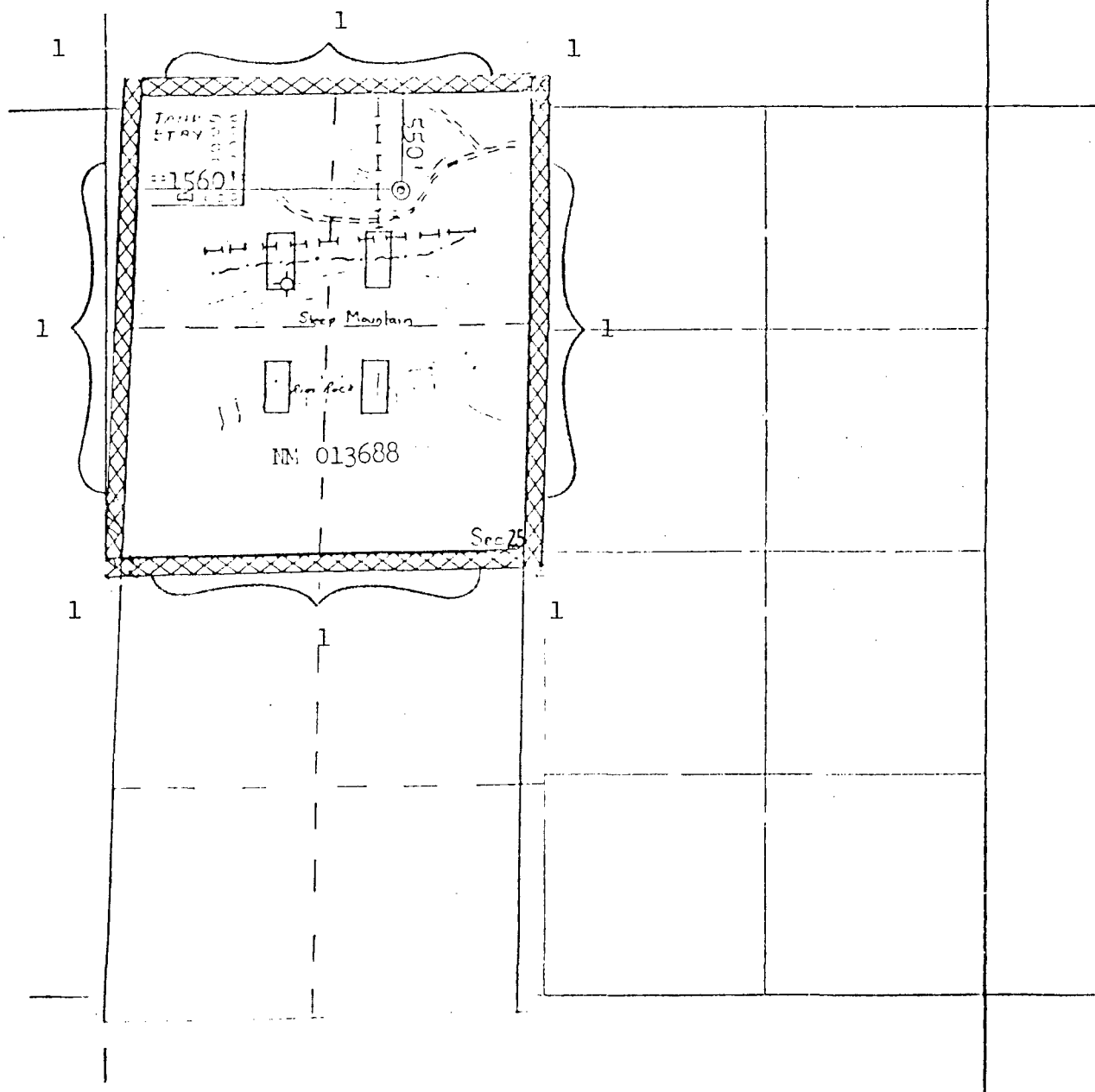
EL PASO NATURAL GAS COMPANY

Well Name Atlantic #19, Blanco Pictured Cliffs Extension

Footage---- 550' FNL, 1560' FWL

APPLICATION FOR NON-STANDARD LOCATION

County San Juan State New Mexico Section 25 Township 31N Range 10W



REMARKS: (1) El Paso Natural Gas Company is operator of all offsetting proration units

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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. NM 013688
b. TYPE OF WELL 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"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR El Paso Natural Gas Company		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR PO Box 289, Farmington, NM 87401		8. FARM OR LEASE NAME Atlantic
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 550'N, 1560'W At proposed prod. zone		9. WELL NO. 19
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 8 miles east of Aztec, NM		10. FIELD AND POOL, OR WILDCAT Blanco PC Ext.
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 550'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 25, T-31-N, R-10
16. NO. OF ACRES IN LEASE 2405		12. COUNTY OR PARISH San Juan
17. NO. OF ACRES ASSIGNED TO THIS WELL 154.73		13. STATE NM
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 600'		14. ROTARY OR CABLE TOOLS Rotary
19. PROPOSED DEPTH 3405		20. APPROX. DATE WORK WILL START*
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6473' GL		

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24.0#	120'	106 cu.ft.circ. to surface
7 7/8"	4 1/2"	10.5#	3405'	694 cu.ft.cover Ojo Alamo

Selectively perforate and sandwater fracture the Pictured Cliffs formation.

A 3000 psi WP and 6000 psi test double gate preventer equipped with blind and pipe rams will be used for blow out prevention on this well.

This gas is dedicated.

The NW/4 of Section 25 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 Rogger Bradford TITLE Drilling Clerk DATE 11-3-81

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-11
Effective 1-1-65

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

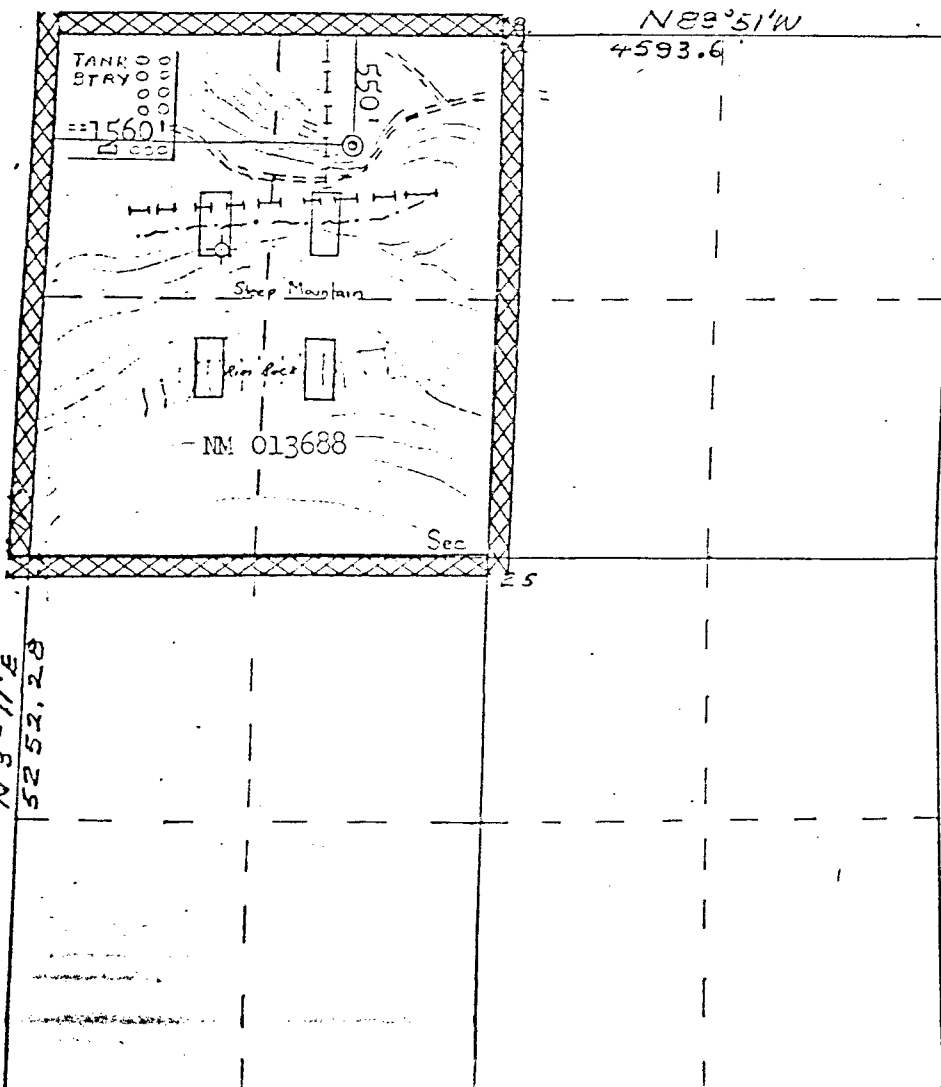
Operator El Paso Natural Gas Company			Lease Atlantic (NM 013688)		Well No. 19
Unit Letter C	Section 25	Township 31N	Range 10W	County San Juan	
Actual Footage Location of Well: 550 feet from the North line and 1560 feet from the West line					
Ground Level Elev: 6473	Producing Formation Pictured Cliffs		Pool Blanco Pictured Cliffs Exten.	Dedicated Acreage 154.73 Acres	

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?

☐ 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.

Name
Drilling Clerk
Position
El Paso Natural Gas Co
Company
November 3, 1981
Date

I hereby certify that the well shown on this plat was plotted from 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
October 20, 1981
Registered Professional Engineer and Land Surveyor
Fred B. Berr
Certification

550 N 1560 W

El Paso

NATURAL GAS
COMPANY

P.O. BOX 100
FARMINGTON, NEW MEXICO 88401
PHONE: 505-425-7241

Well Name Atlantic #19
Location NW 25 31-10
Formation PC

We, the undersigned, have inspected this location and road.

U. S. Forest Service

Date

Randall L. McEachern
Archaeologist

11/2/81
Date

Bureau of Indian Affairs Representative

Date

Bob Mair
Bureau of Land Management Representative

11/2/81
Date

Steven Sheehan
U. S. Geological Survey Representative - AGREES
TO THE FOOTAGE LOCATION OF THIS WELL.

11/2/81
Date

REASON:

Seed Mixture: II

Equipment Color: Brown

Road and Row: (Same) or (Separate)

Remarks: Location due to terrain, pipeline

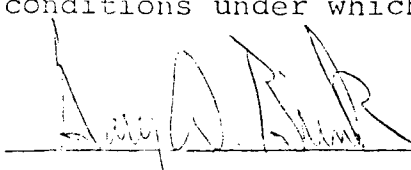
Location Equipment - Water

C.C. to Dave Vilvin
Earl Mealer
John Ahlen

Multi-Point Surface Use Plan
Atlantic #19

1. Existing Road - Please refer to Map No. 1 which shows the existing roads. New roads which will be required have been marked on this map. All existing and new roads will be properly maintained during the duration of this project.
2. Planned Access Roads - Please refer to Map No. 1. The grade of the access roads will be consistent with that of the local terrain. The road surface will not exceed twenty feet (20') in width. Upon completion of the project, the access road will be adequately drained to control soil erosion. Drainage facilities may include ditches, water bars, culverts or any other measure deemed necessary by trained Company personnel to insure proper drainage. Gates and/or cattleguards will be installed if necessary.
3. Location of Existing Wells - Please refer to Map No. 2.
4. Location of Tank Batteries, Production Facilities, and Production Gathering and Service Lines - Please refer to Maps No. 1 and No. 2. Map No. 2 shows the existing gas gathering lines. Map No. 1 shows the existing roads and new proposed access roads. All known production facilities are shown on these two maps.
5. Location and Type of Water Supply - Water for the proposed project will be obtained from Hart Canyon Water Well.
6. Source of Construction Materials - No additional materials will be required to build either the access road or the proposed location.
7. Methods of Handling Waste Materials - All garbage and trash material will be put into a burn pit shown on the attache Location Plat No. 1. When clean-up operations are begun on the proposed project, the burn pit with its refuse will be buried to a depth of at least three feet (3'). A latrine, the location of which is also shown on Plat No. 1,

7. cont'd. will be provided for human waste. If large amounts of liquids are left in the reserve pit after completion of the project, the pit will be fenced until the liquids have had adequate time to dry. The location clean-up will not take place until such time as the reserve pit can be properly covered over to prevent run-off from carrying any of these materials into the watershed. No earthen pit will be located on natural drainages; all earthen pits will be so constructed as to prevent leakage from occurring.
8. Ancillary Facilities - No camps or airstrips will be associated with this project.
9. Wellsite Layout - Please refer to the attached Plat No. 1.
10. Plans for Restoration of the Surface - After completion of the proposed project, the location will be cleaned and leveled. The location will be left in such a condition that will enable reseeding operation to be carried out. Seed mixture as designated by the responsible government agency will be used. The reseeding operation will be performed during the time period set forth by the regulatory body. The location production equipment will be painted as designated by the responsible government agency.
11. Other Information - The terrain is rocky ridge with pinon, juniper, sage, bitterbrush, and mountain mahogany growing. Deer and cattle are occasionally seen on the proposed project site.
12. Operator's Representative - D. R. Read, PO Box 289, Farmington, NM
13. Certification - I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by El Paso Natural Gas Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.



Project Drilling Engineer

Operations Plan
Atlantic #19

I. Location: 550'N, 1560'W, Section 25, T-31-N, R-10-W, San Juan Co., NM
Field: Blanco PC Ext. Elevation: 6473'GL

II. Geology:

A. Formation Tops:	Surface	San Jose	Pictured Cliffs	3245'
	Ojo Alamo	1885'	Lewis	3365'
	Kirtland	1955'	Total Depth	3405'
	Fruitland	2905'		

B. Logging Program: Induction Electric and Gamma Ray Density at TD.

C. Coring: none

III. Drilling:

A. Mud Program: mud from surface to TD.

IV. Materials:

A. Casing Program:	<u>Hole Size</u>	<u>Depth</u>	<u>Csg. Size</u>	<u>Wt. & Grade</u>
	12 1/4"	200'	8 5/8"	24.0# K-55
	7 7/8"	3405'	4 1/2"	10.5# K-55

B. Float Equipment: 8 5/8" surface casing - cement guide shoe

4 1/2" production casing - guide shoe and self-fill insert float valve on top of the shoe joint. Run 8 - 4 1/2" x 7 7/8" centralizers one on each joint beginning with the shoe joint.

C. Tubing: 3405' of 1 1/4", EUE, 2.4# K-55 tubing

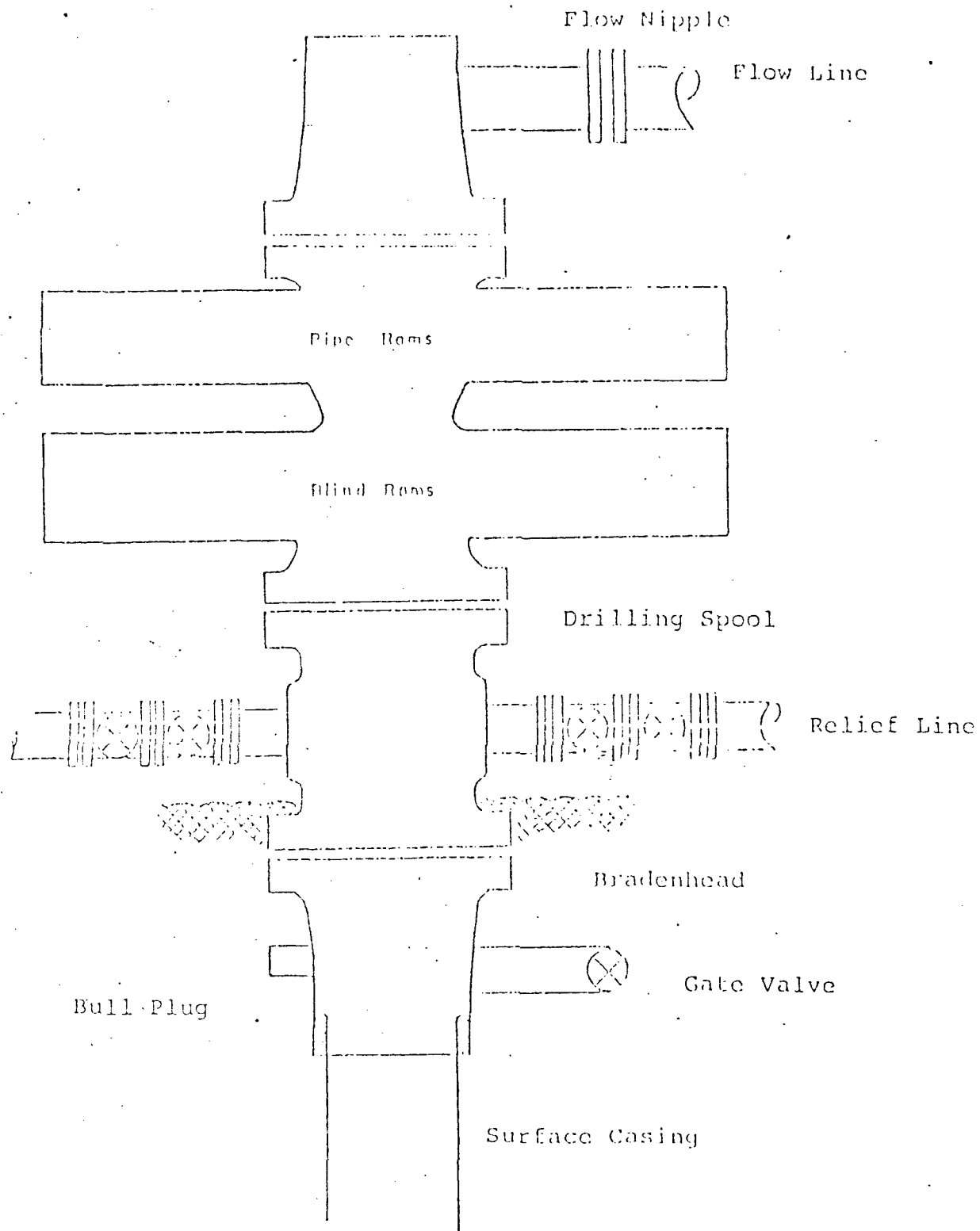
D. Wellhead Equipment: 8 5/8" x 4 1/2" 2000 psi wellhead with a 4 1/2" x 2 3/8" tubing head. 4 1/2" casing to be cut off 24" above csg. slip

V. Cementing:

8 5/8" surface casing - 140 sks. Class "B" cement with 1/4# gel-flake per sack and 3% calcium chloride (165 cu.ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing, wellhead and BOP to 600#/30 min.

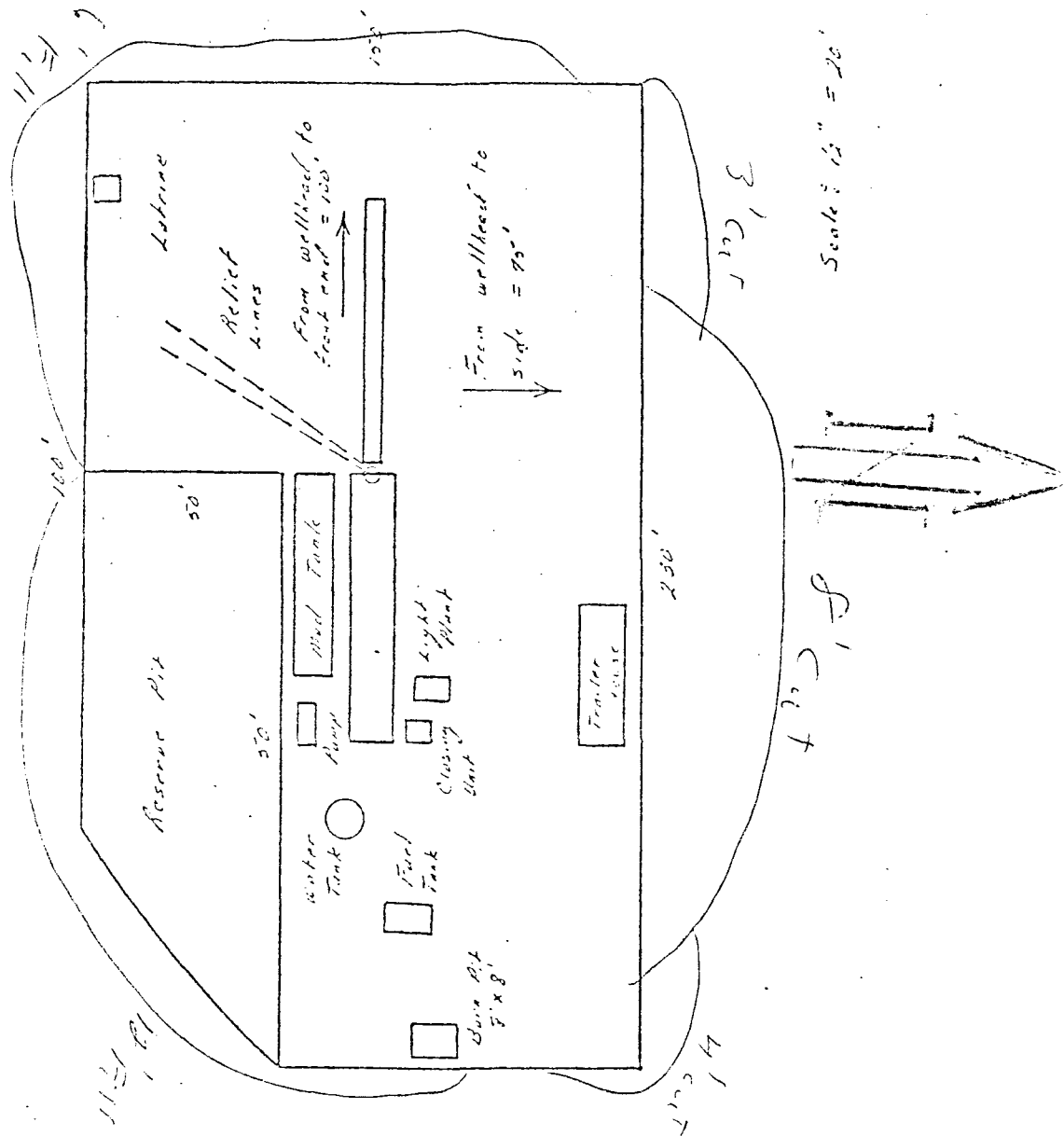
4 1/2" production casing - precede cement with 5 bbls. water. Cement with 370 sks. 65/35 Class "B" Poz with 6% gel and 8.3 gallons water/sk. followed by 75 sks. 50/50 Class "B" Poz with 2% gel (694 cu.ft. of slurry, 100% excess to cover Ojo Alamo). Run temperature survey after 12 hours.

Typical Mud Drilled R.O.P. Installation
for Pictured Cliffs Well



8" Series 900 Double Gate BOP, rated
at 3000 psi Working Pressure

El Paso Natural Gas Company
 Typical Location Plot for Pictured Butte Well



EL PASO NATURAL GAS COMPANY
Atlantic #19
NW 25-31-10

R-10-W

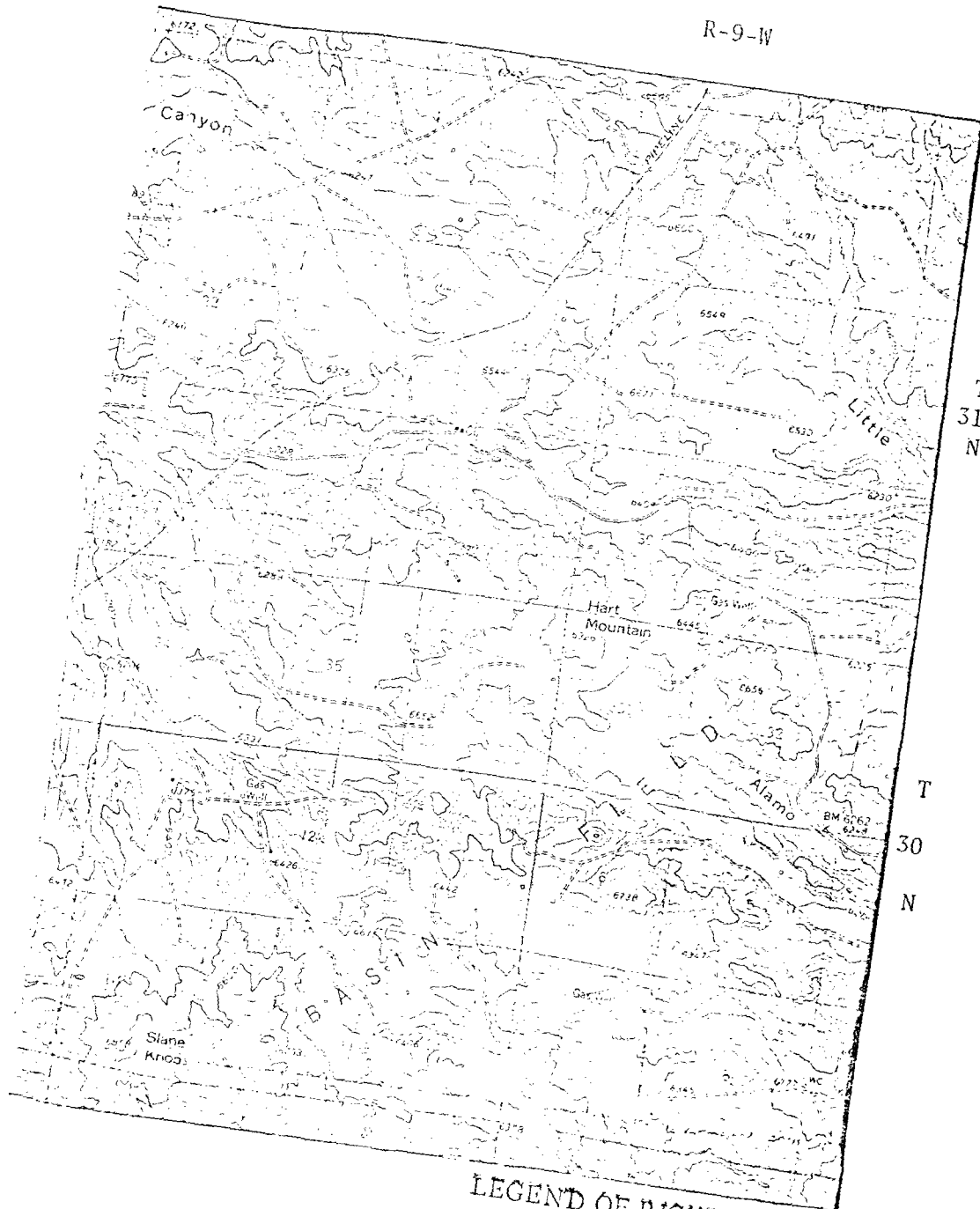
R-9-W

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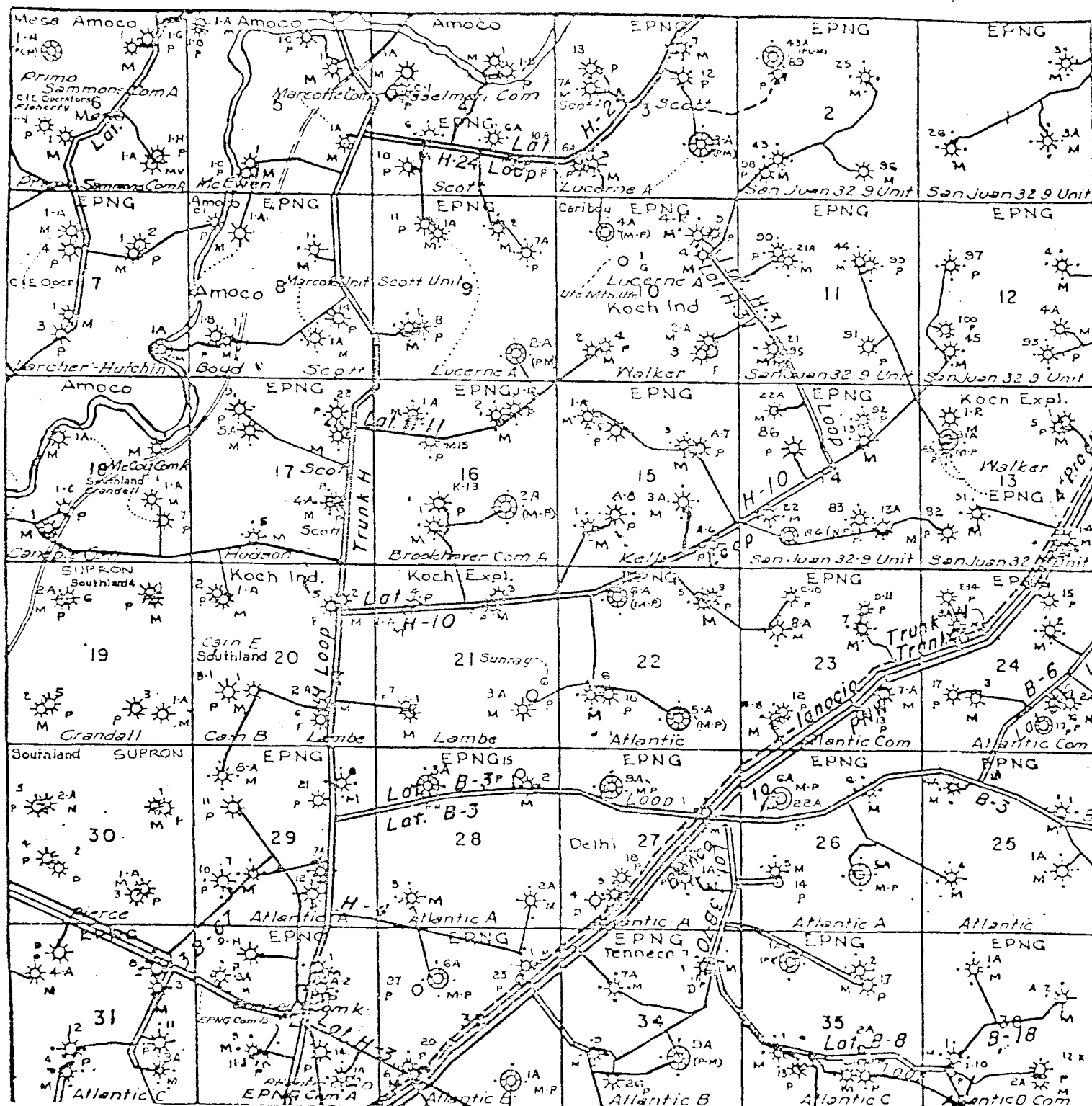
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LEGEND OF RIGHT-OF-WAYS MAP #1
EXISTING ROADS
EXISTING PIPELINES
EXISTING ROAD & PIPELINE
PROPOSED ROADS
PROPOSED PIPELINES

El Paso Natural Gas Company
Atlantic #19
NW 25-31-10



R-10-W

Map #2
Proposed Location •



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

OIL CONSERVATION DIVISION
BOX 2088
SANTA FE, NEW MEXICO 87501

DATE 11-12-81

1449
RE: Proposed MC _____
Proposed DHC _____
Proposed NSL ✓ _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX _____

Gentlemen:

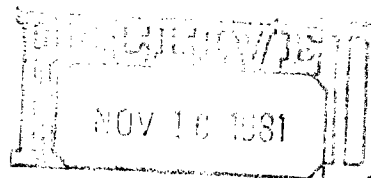
I have examined the application dated Nov. 5, 1981
for the EPNG Atlantic #19 C-25-31W-10W
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve

Yours truly,

Jeff A. Elmister



OIL CONSERVATION DIVISION
SANTA FE