OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO
1000 RIO BRAZOS RD. · AZTEC
87410

DIRECTOR
JOE D. RAMEY

LAND COMMISSIONER
PHIL R. LUCERO

STATE GEOLOGIST
EMERY C. ARNOLD

April 18, 1977

Mr. W. D. Dawson
El Paso Natural Gas Company
P. O. Box 990
Farmington, New Mexico 87401

Re: El Paso Natural Gas Company
San Juan 27-4 Unit #109
O-23-27N-4W

Dear Mr. Dawson:

The location of the subject well is not a standard location for the first well on a drill tract in the Blanco-Mesaverde Pool.

Please cause a case to be called requesting exception to Order R-1670, Rule 2. (See enclosed copy of rule.)

If there are questions, please contact us.

Yours very truly,

A. R. Kendrick
Supervisor, District #3

Enclosure

ARK:no

El Paso NATURAL GAS COMPANY

P. O. BOX 990
FARMINGTON, NEW MEXICO 87401
PHONE: 505-325-2841

Multi-Point Surface Use Plan
San Juan 27-4 Unit No. 109

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 a water hole located Tapacito Wash

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 materials will be put into a burn pit shown on the attached 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 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 operations to be carried out. *See Below
The reseeding operation will be performed during the time period set forth by the regulatory body. The location production equipment will be painted Green - Fed. Standard #595 34127

11. Other Information - The terrain is rolling hills and sand stone ledges covered with pinon and cedar trees. Deer are occasionally on the proposed project site.

*Crested Wheat - 4#/Acre
Pubescent Wheat - 6#/Acre
Sand Drop - 1#/Acre
Ranger Alfalfa - 1#/Acre

12. Operator's Representative - W. D. Dawson, Post Office Box 990, Farmington, New Mexico 87401

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 conformit with this plan and the terms and conditions unde which it is approved.

April 12, 1977

D. R. Read,
Division Drilling Engineer

DRR:dgb

EL PASO NATURAL GAS COMPANY
SAN JUAN 27-4 UNIT #109
SE 23-27-4

R-4-W

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27
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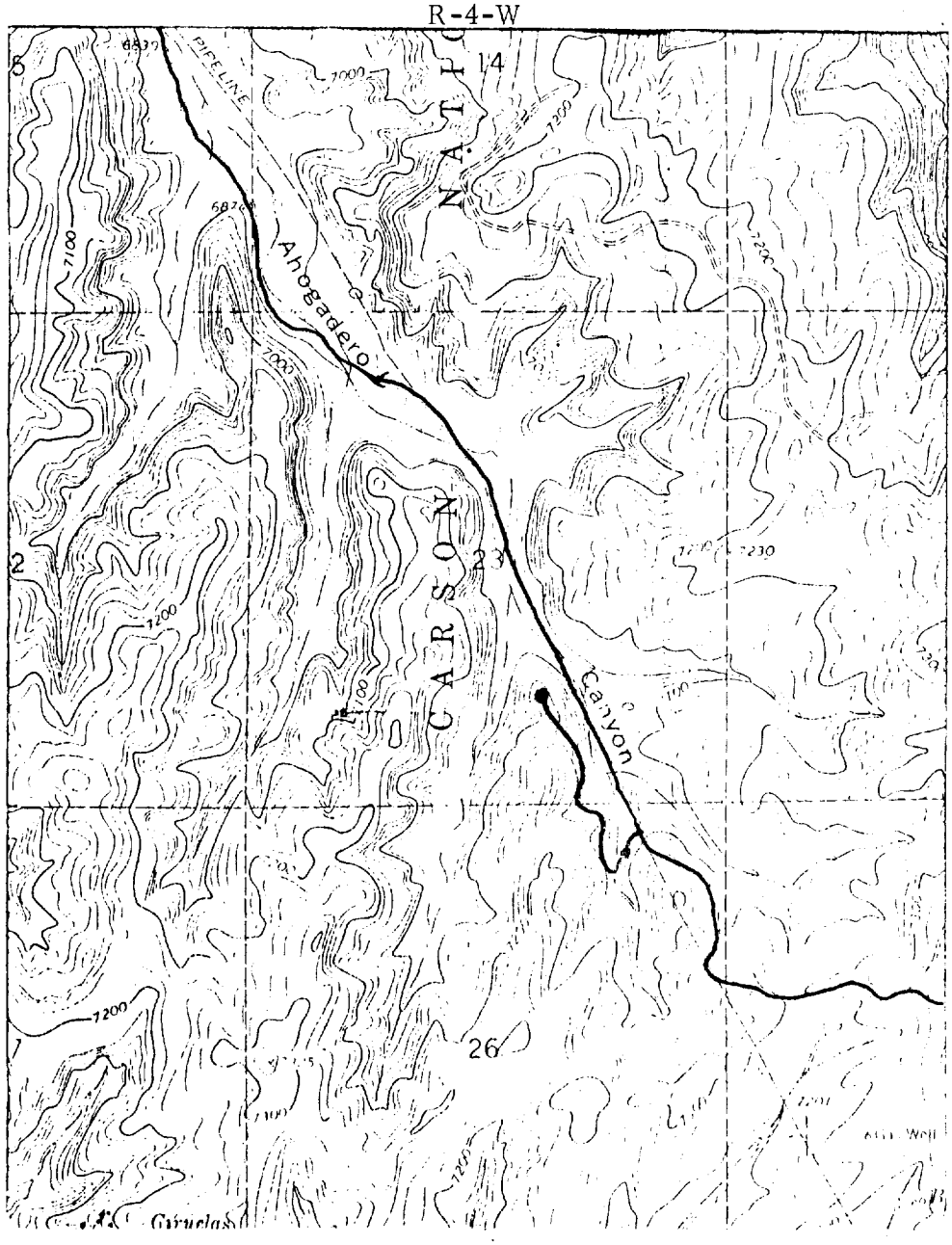
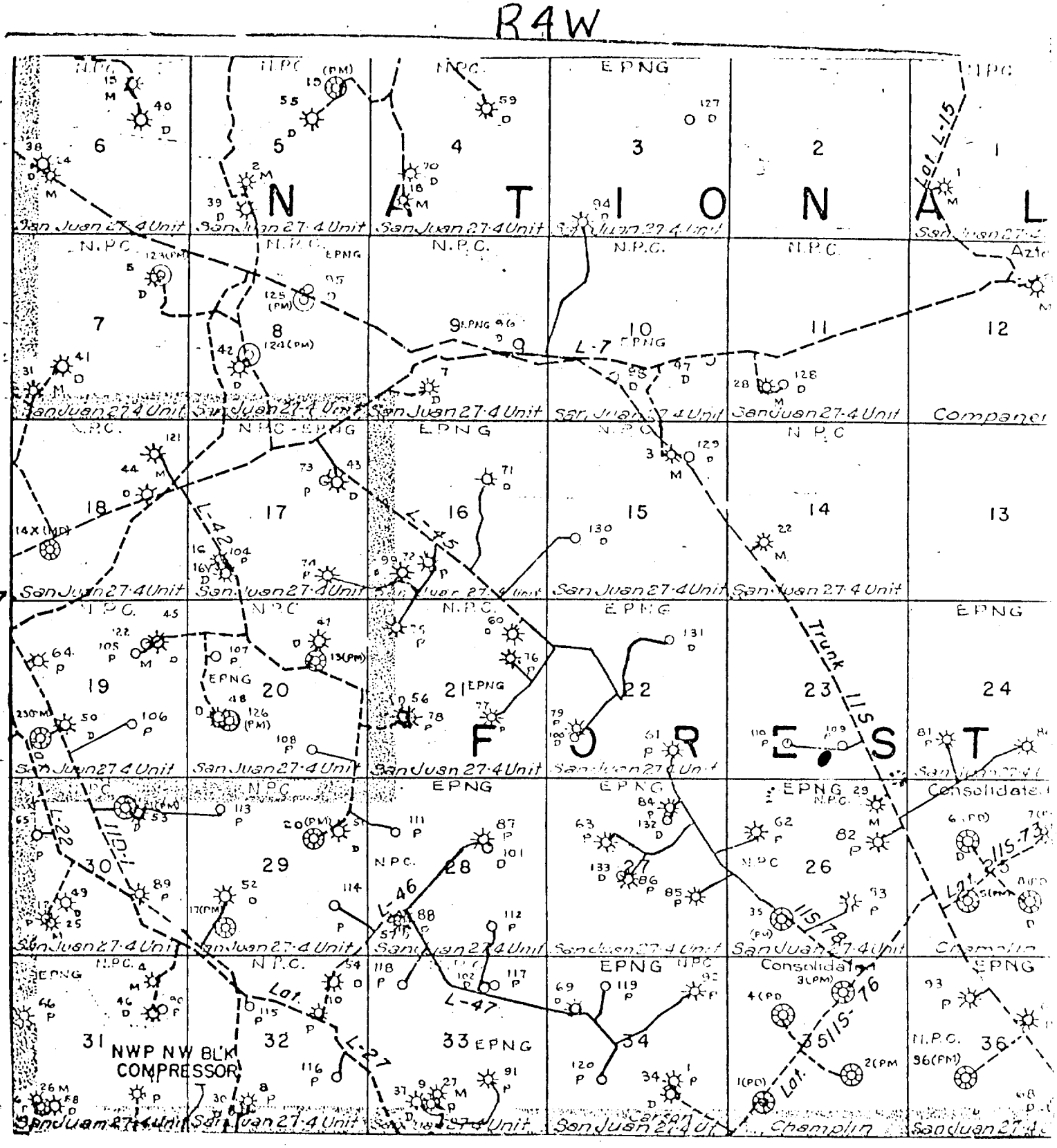


MAP #1

LEGEND OF RIGHT-OF-WAYS

EXISTING ROADS
EXISTING PIPELINES
EXISTING ROAD & PIPELINE
PROPOSED ROADS
PROPOSED PIPELINES
PROPOSED ROAD & PIPELINE

EL PASO NATURAL GAS COMPANY
SAN JUAN 27-4 UNIT #109
SE 23-27-4



MAP #2

Proposed Location ●

April 12, 1977

Operations Plan
San Juan 27-4 Unit #109

I. Location: 990'S, 1840'E, Sec. 23, T-27-N, R-4-W, Rio Arriba County, New Mexico

Field: Blanco Mesa Verde Elevation: 7102' GL

II. Geology:

A. Formation Tops:

Surface	San Jose	Lewis	4040'
Ojo Alamo	3400'	Mesa Verde	5724'
Kirtland	3630'	Menefee	5802'
Fruitland	3800'	Point Lookout	6098'
Pictured Cliffs	3950'	Total Depth	6498'

B. Logging Program: I-ES and GR-Density at 4240'; GR-Ind. and GR-Density at Total Depth.

C. Coring Program: None

D. Natural Gauges: 5715', 5790', 6090' and at Total Depth. Also gauge any noticeable increase in gas. Record all gauges in daily drilling report and on morning report.

III. Drilling:

A. Mud Program: Mud from surface to 4240'. Gas from intermediate casing to Total Depth.

IV. Materials

A. Casing Program:

Hole Size	Depth	Casing Size	Wt. & Grade
13 3/4"	200'	9 5/8"	32.3# H-40
8 3/4"	4240'	7"	20.0# K-55
6 1/4"	4090-6498'	4 1/2"	10.5# K-55

B. Float Equipment: 9 5/8" Surface Casing - Larkin guide shoe (fig. 102)

7" Intermediate Casing - Dowell guide shoe (fig. 50101) and Dowell self-fill insert float valve (fig. 53003), 5 B & W stabilizers (Prod. No. 637085) every other joint above shoe. Run float two joints above shoe.

4 1/2" Liner - T. I. W. liner hanger with neoprene packoff. A liner with a polished bore receptical or production packer will isolate the two zones. Larkin geyser shoe (fig. 222) and Larkin flapper type float collar (fig. 404 M&F).

C. Tubing: 6498' of 2 3/8", 4.7#, J-55 8 rd EUE TUBING with a common pump seating nipple above perforated pup joint and bull plugged full joint for mud anchor on bottom.

D. Wellhead Equipment: 10" 900 x 9 5/8" casing head. 10" 900 x 6" 900 Xmas tree equipped to land two strings of tubing.

V. Cementing

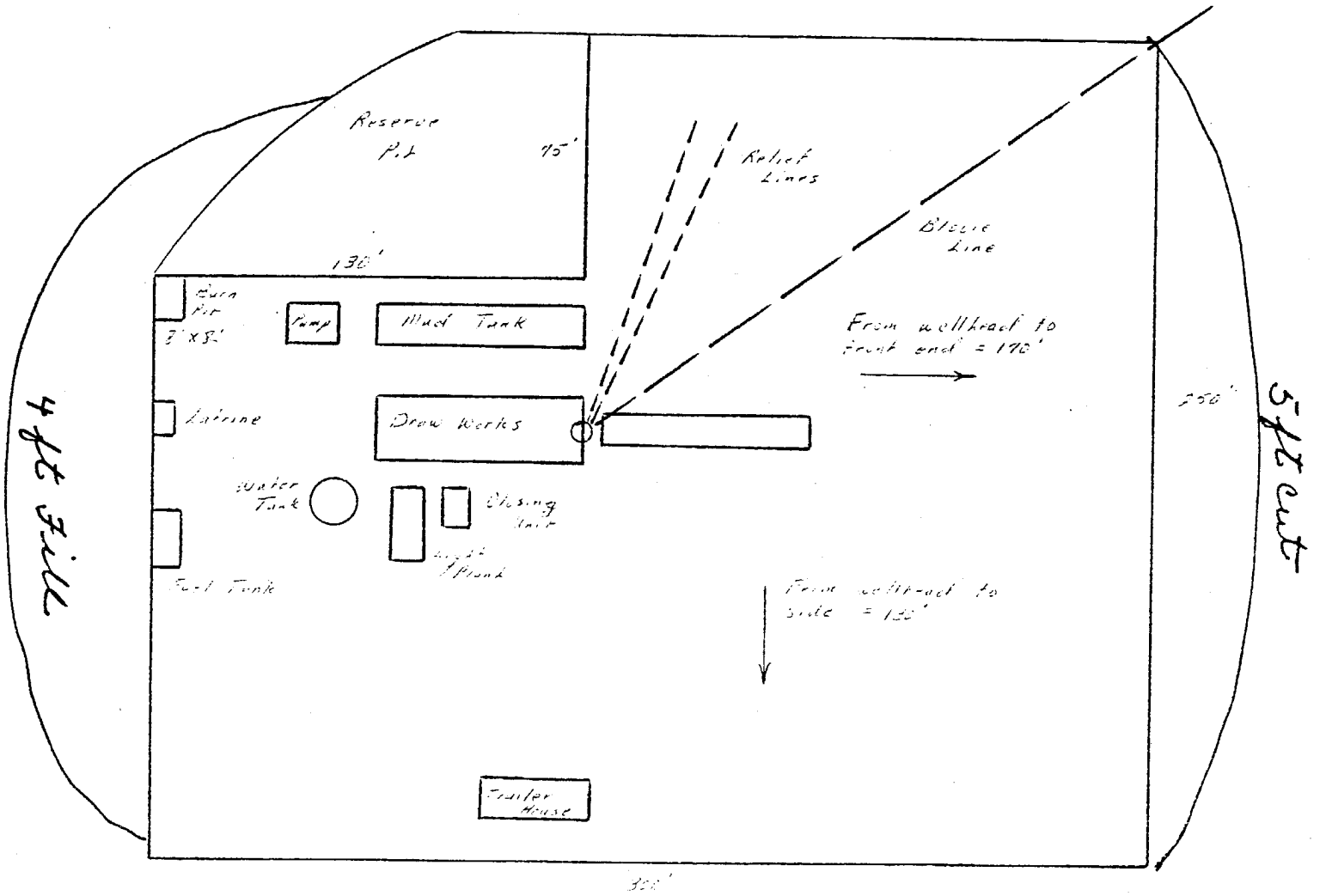
9 5/8" Surface Casing - Use 190 sacks of Class "B" cement with 1/4# gel-flake per sack and 3% calcium chloride (224 cu. ft. of slurry, 100% excess to circulate to surface). W. O. C. 12 hours. Test casing to 600#/30 minutes.

7" Intermediate Casing - Use 27 sacks of 65/35 Class "B" Poz with 12% gel (15.52 gallons of water per sack) followed by 100 sacks of Class "B" with 2% calcium chloride (189 cu. ft. of slurry, 50% excess to cover Ojo Alamo). Run temperature survey at 8 hours. W. O. C. 12 hours. Test casing to 1200#/30 Minutes.

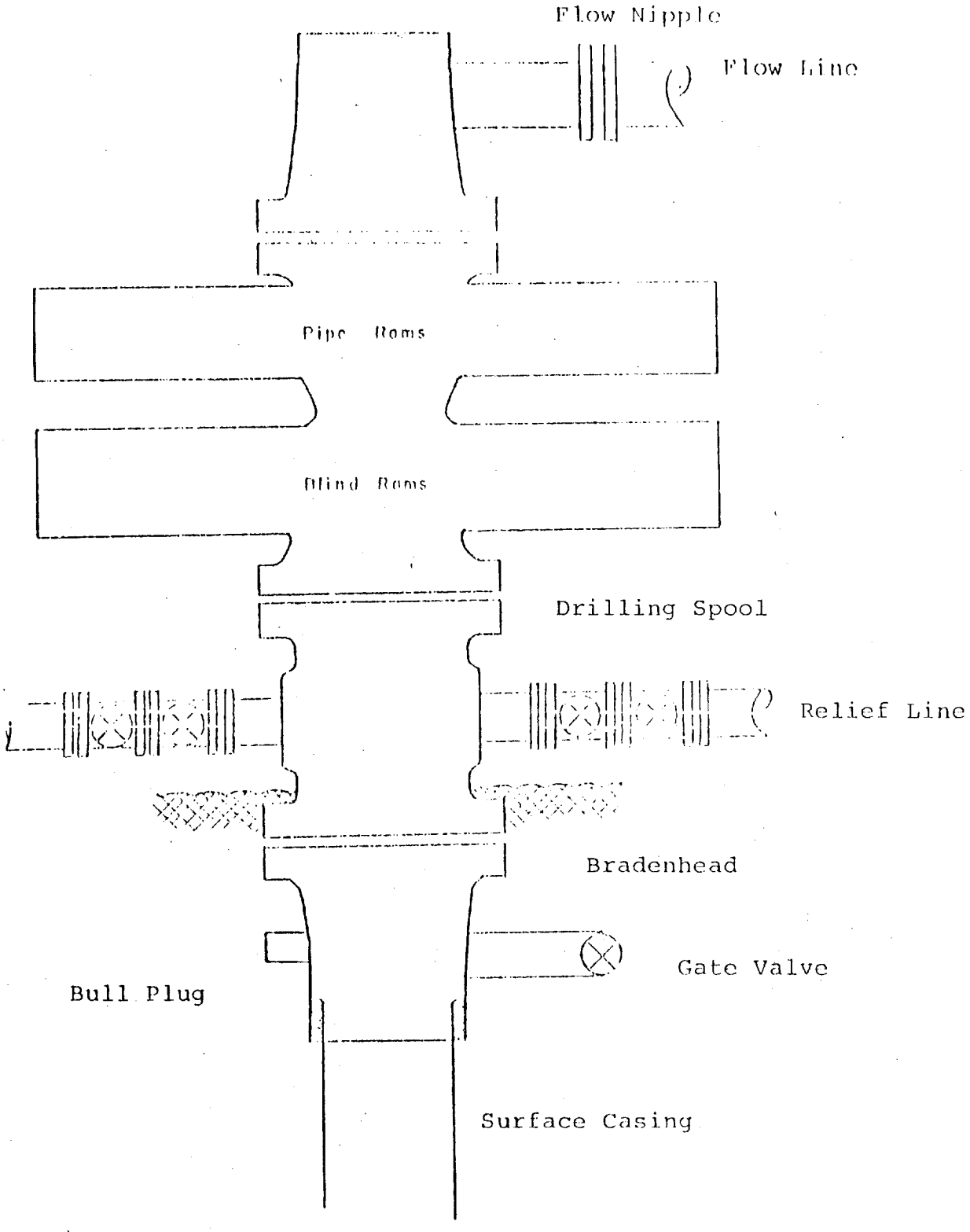
4 1/2" Liner - Precede cement with 20 barrels of gel water (2 sks. gel). Cement with 233 sacks of Class "B" cement with 4% gel, 1/4 cu. ft. of fine gilsonite per sack and 0.6% Halad 9(420 cu. ft. of slurry, 70% excess to circulate liner.

El Paso Natural Gas Company

Typical Location Plat for Mesa Verde and Dakota Wells



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



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