El Paso NATURAL GAS COMPANY

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

April 22, 1977

Multi-Point Surface Use Plan
Rincon Unit #227

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 at the Gould Pass 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 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. Seed Mixture #1 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 gray (Federal Standard #595 36357)

11. Other Information - The terrain is rolling hills and sagebrush flats. Sagebrush is growing on the location. Cattle graze the proposed project site.

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 conformity with this plan and the terms and conditions under which it is approved.

Don Read

D. R. Read
Division Drilling Engineer

DRR:pb

April 22, 1977

Operations Plan - Rincon Unit #227

I. **Location:** 1915'S, 2080'E, Section 28, T-27-N, R-7-W, Rio Arriba County, NM

Field: Basin Dakota **Elevation:** 6611'DF

II. **Geology:**

A. Formation Tops:

San Jose	Surface	Mancos	5575'
Ojo Alamo	2170'	Gallup	6335'
Kirtland	2270'	Greenhorn	7135'
Fruitland	2740'	Graneros	7195'
Pic.Cliffs	2905'	Dakota	7305'
Lewis	3030'	Total Depth	7505'
Mesa Verde	4600'		
Point Lookout	5175'		

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

C. Coring: none

III. **Drilling:**

A. Mud Program: mud from surface 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"	5775'	4 1/2"	10.5# K-55
7 7/8"	6500'	4 1/2"	10.5# K-55
7 7/8"	7505'	4 1/2"	10.5# K-55

B. Float Equipment: 8 5/8" surface casing - B&W guide shoe(Prod.No.FC-06)

4 1/2" production casing - Baker guide shoe (Prod. No. 102-01) and self-fill insert valve (Prod. No. 177-13). Two Baker multiple stage cementers (Prod. No. 200-03) equipped for three stage cementing. Set tool for second stage at 5675' and tool for third stage at 3130'. Run 20 Baker centralizers (Prod. No. 200-03) spaced as follows: one on each of the bottom 8 joints, one below each stage tool and five above each stage tool spaced every other joint.

C. Tubing: 7505' of 2 3/8", 4.7#, J-55 tubing, common pump seating nipple and Baker expendable check valve with drill type guide.

D. Wellhead Equipment: 10" x 3000 psi wellhead.

Operations Plan - Rincon Unit #227

V. Cementing:

Surface casing (13 3/4 x 9 5/8") - use 190 sks. of Class "B" cement with 1/4# gel-flake per sack and 3% calcium chloride (224 cu.ft. of slurry, 100% excess to circulate). WOC 12 hours. Test to 600#/30 min.

Production Casing - (7 7/8" x 4 1/2)

First stage - use 91 sks. of 65/35 Class "B" Pozmix with 12% gel mixed with 15.52 gallons of water per sack followed by 75 sks. 50/50 Class "B" Pozmix with 2% gel, 2% calcium chloride and 1/4# fine tuf-plug per cu.ft. (333 cu.ft. of slurry, 25% excess to cover the Gallup).

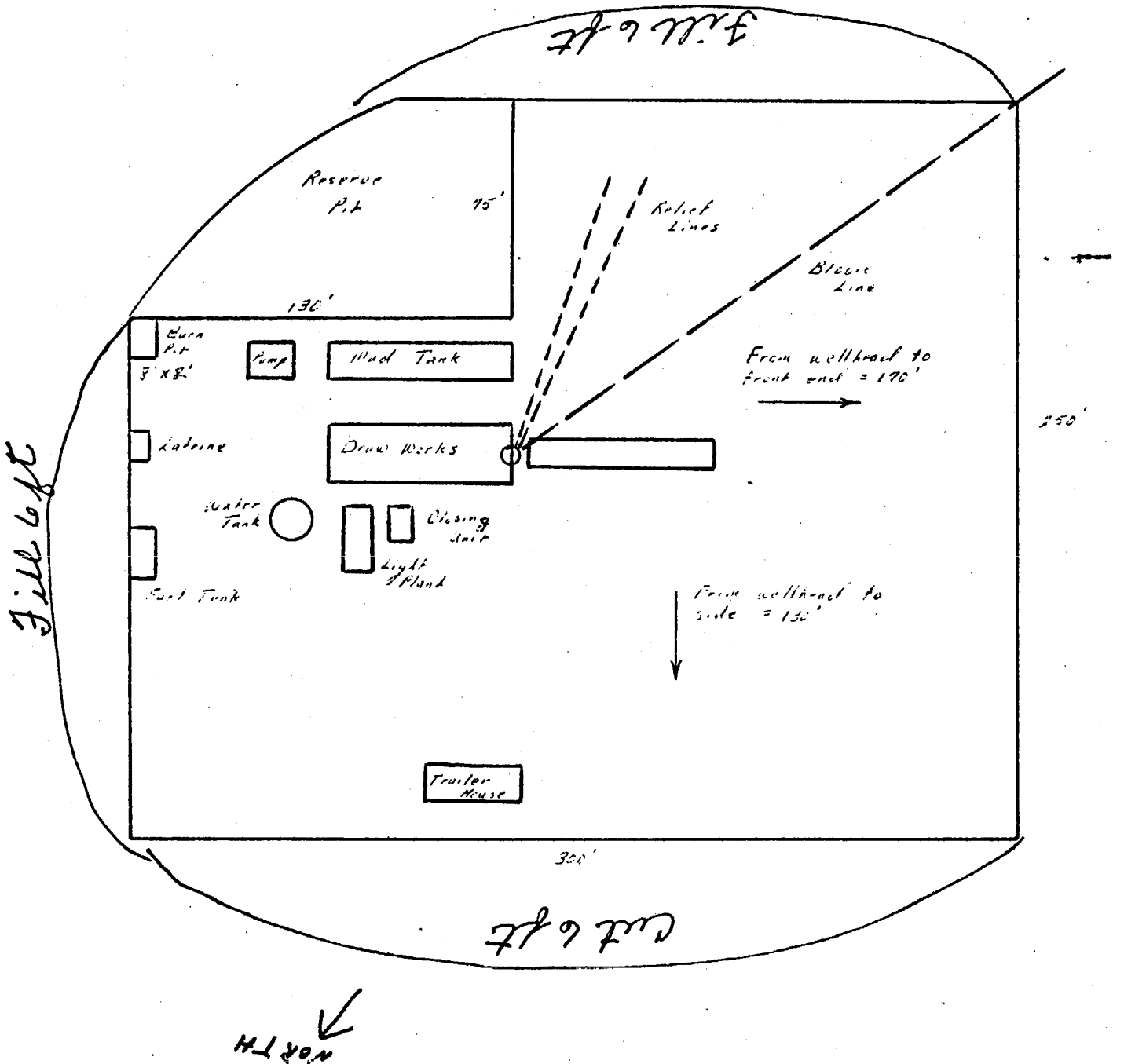
Second stage - circulate mud for 2 hours then cement with 201 sks. of 65/35 Class "B" Pozmix with 12% gel and 15.52 gallons of water per sack (527 cu.ft. of slurry, 50% excess to cover the Mesa Verde).

Third stage - use 179 sks. of 65/35 Class "B" Pozmix with 12% gel, mixed with 15.52 gallons water per sack (477 cu.ft. of slurry, 60% excess to fill to base of Ojo Alamo). Run temperature survey on top stage only at 8 hours. WOC 18 hours.

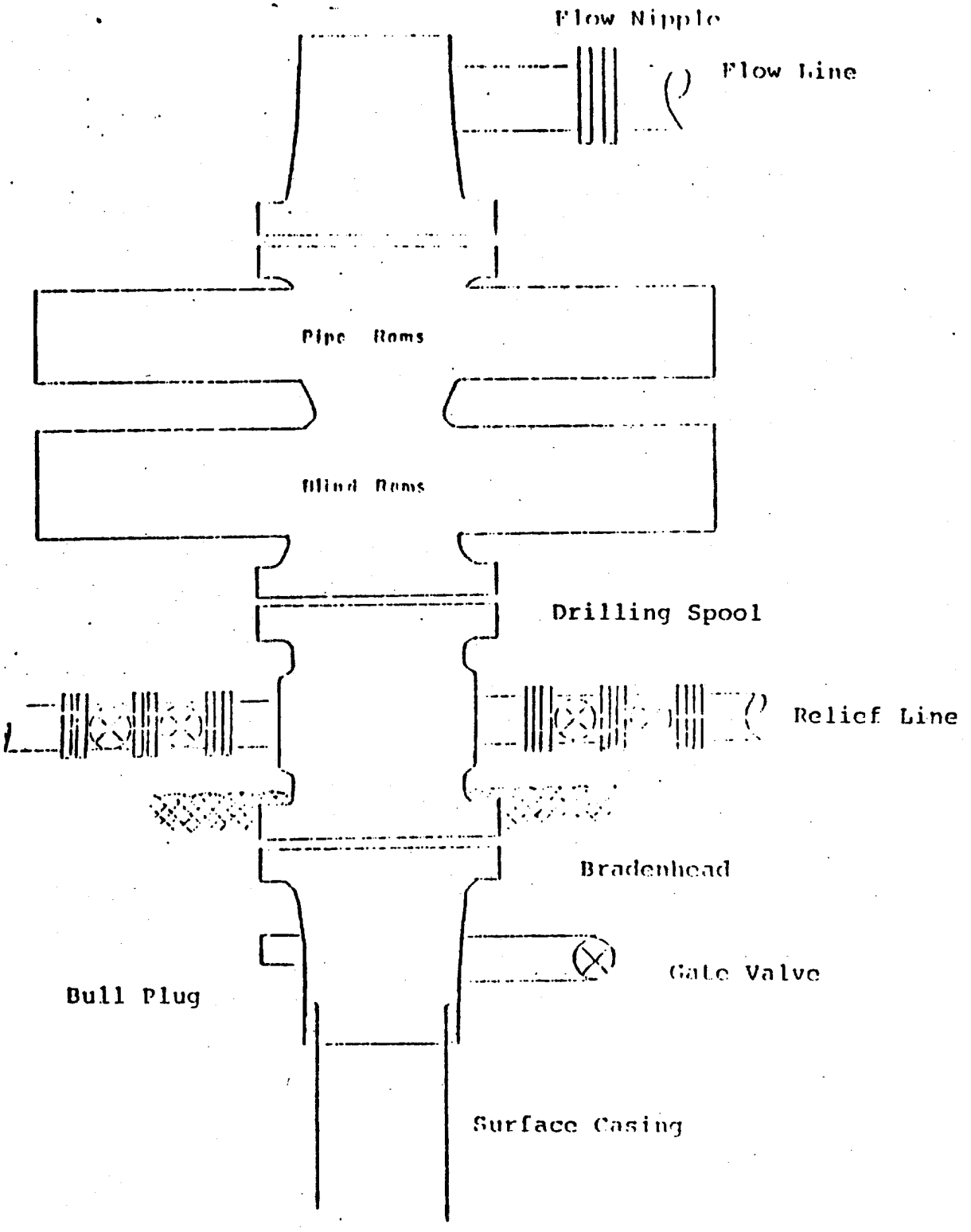
DRR:pb

El Paso Natural Gas Company

Typical Location Plat for Mesa Verde and Dakota Wells



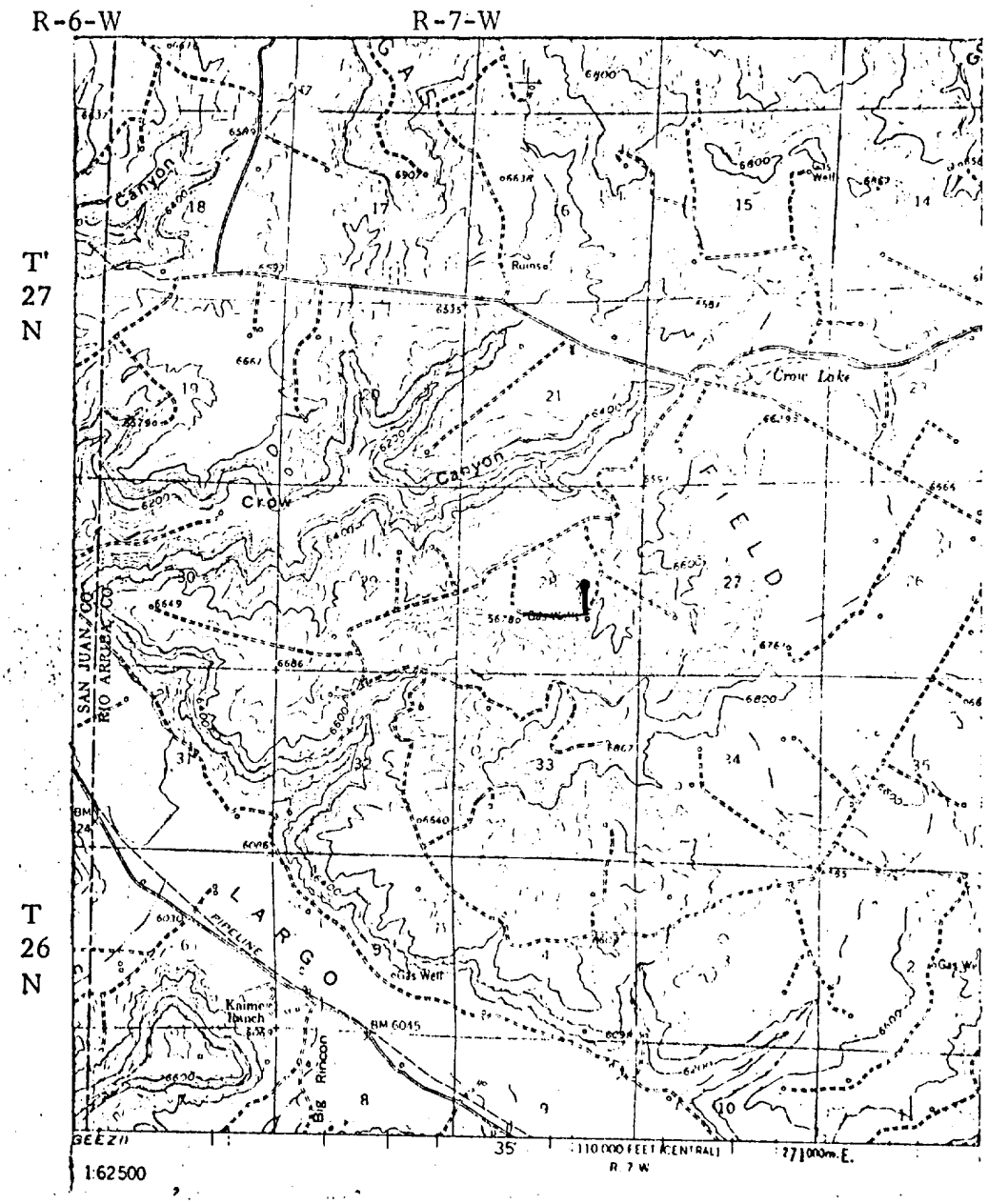
Typical B.O.P. Installation
for Dakota Well



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

When gas drilling operations begin a Shaffer type 50 or equivalent rotating head is installed on top of the flow nipple and the flow line is converted into a blowie line.

EL PASO NATURAL GAS COMPANY
RINCON UNIT #227
SE 28-27-7



MAP #1

LEGEND OF RIGHT-OF-WAYS

Proposed Roads	EXISTING ROADS
Proposed Pipelines	EXISTING PIPELINES
Existing Road & Pipeline	EXISTING ROAD & PIPELINE

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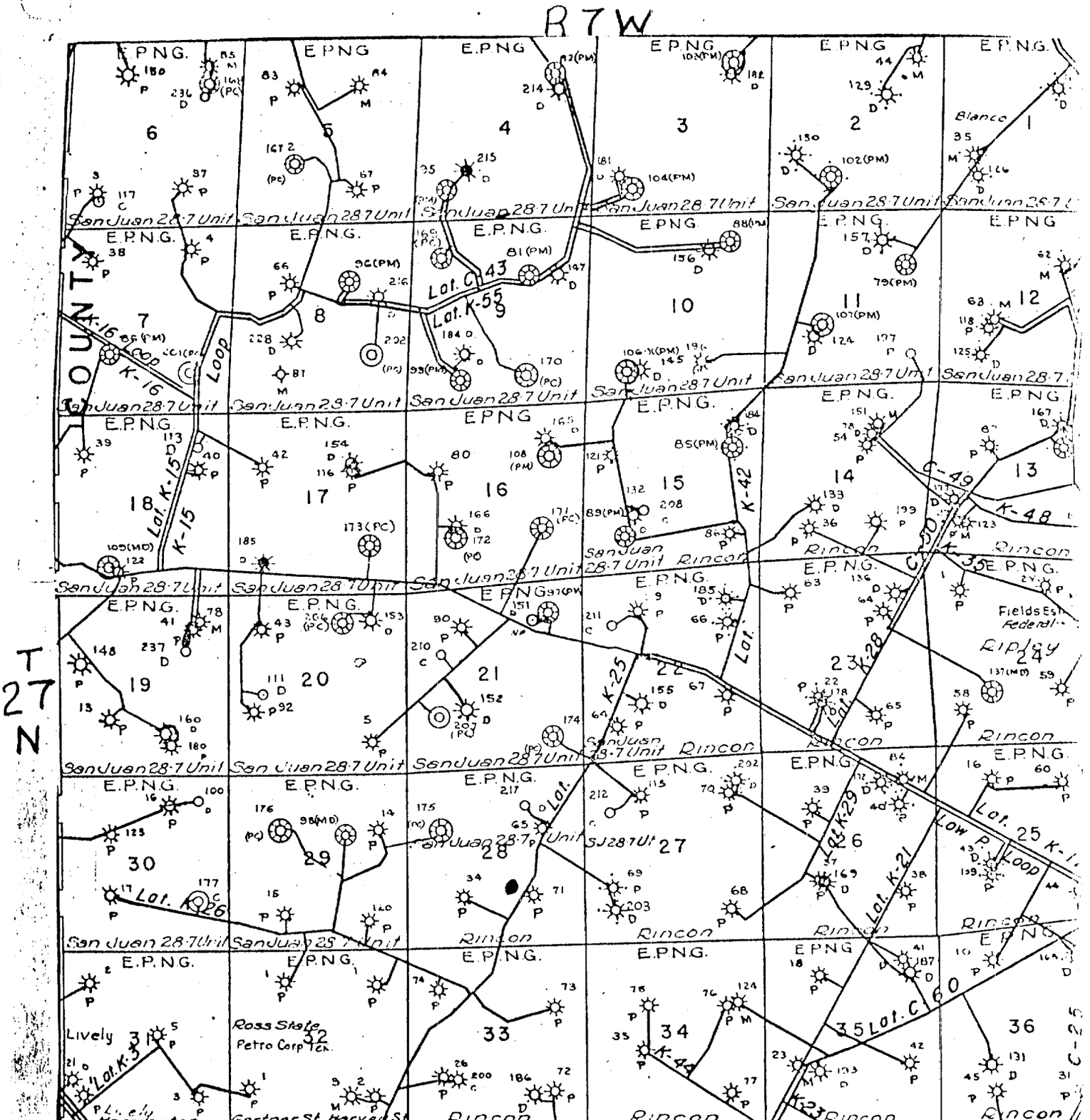
RINCON UNIT #227
SE 28-27-7



MAP #2

Proposed Location