Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

30-039-21379

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: SF 080669

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER — SINGLE ZONE [X] MULTIPLE ZONE [ ]

7. UNIT AGREEMENT NAME: San Juan 27-4 Unit

2. NAME OF OPERATOR: El Paso Natural Gas Company

8. FARM OR LEASE NAME: San Juan 27-4 Unit

3. ADDRESS OF OPERATOR: Box 990, Farmington, New Mexico 87401

9. WELL NO.: 134

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 850/N - 853/W
At proposed prod. zone

10. FIELD AND POOL, OR WILDCAT: Tapacito PC & Blanco MV

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 17, T-27-N, R-4-W N. M. P. M.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

12. COUNTY OR PARISH: Rio Arriba | 13. STATE: N. M.

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
		320.0 & 160.0
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH	20. ROTARY OR CABLE TOOLS
	6105'	Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 6665' GL

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 circ. to surface
8 3/4"	7"	20#	3895'	198 cu. ft. to cover Ojo Alamo
6 1/4"	4 1/2" Liner	10.5#	3745-6105'	411 cu. ft. to fill to 3745'

Selectively perforate and sand water fracture the Mesa Verde & Pictured Cliffs formations.

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

The gas is dedicated

APR 19 1977
OIL CON. COM.
DIST. 3

The W/2 of Sec. 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. Gross TITLE Drilling Clerk DATE 4-11-77

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

WELL LOCATION AND ACREAGE DEDICATION PLAT

Supersedes C-129
Effective 1-1-65

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

Operator	Lease	Well No.
EL PASO NATURAL GAS COMPANY	SAN JUAN 27-4 UNIT (SF-080669)	134

Unit Letter	Section	Township	Range	County
F	17	27-N	4-W	RIO ARRIBA

Actual Footage Location of Well: 850 feet from the NORTH line and 850 feet from the WEST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
6665	PICTURED CLIFFS&MESAVERDE	TAPACITO PICTURED CLIFFS BLANCO MESA VERDE	160.0 & 320.0 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

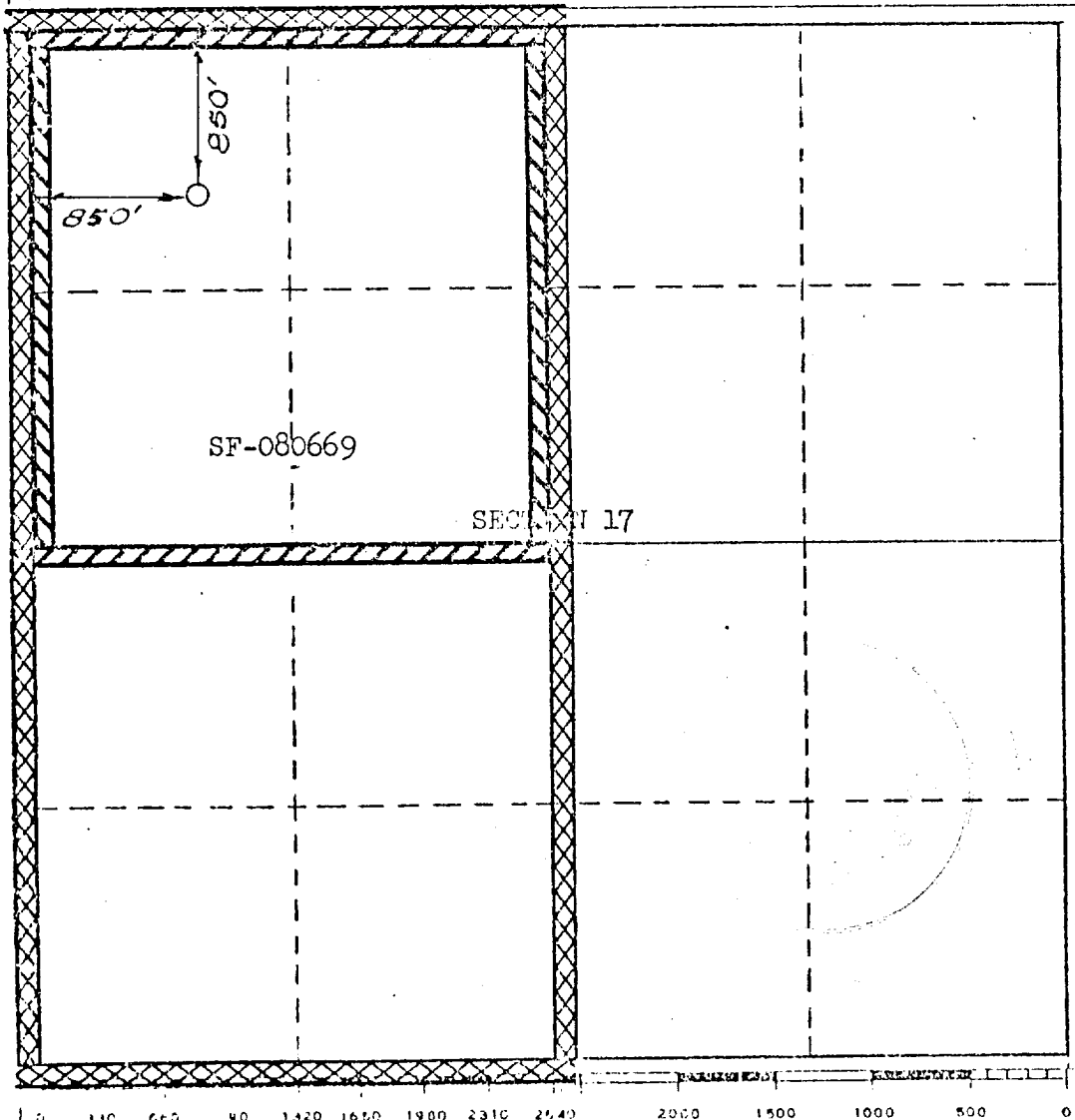
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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?

[X] Yes [ ] No If answer is "yes," type of consolidation Unitization

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. NOTE: THIS PLAT IS REISSUED TO SHOW DUAL COMPLETION. 4-6-77



CERTIFICATION

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

R. G. Bruce

Name: Drilling Clerk

Position: El Paso Natural Gas Company

Company: April 11, 1977

Date

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.

Date Surveyed: MARCH 4, 1977

Registered Professional Engineer and/or Land Surveyor

Certificate No. 1760

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 #134

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 Vegas Canyon

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. Using Seed Mixture #1
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 Std. #595-36357

11. Other Information - The terrain is sage brush flats covered with sage brush. Cattle graze the proposed project site.

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

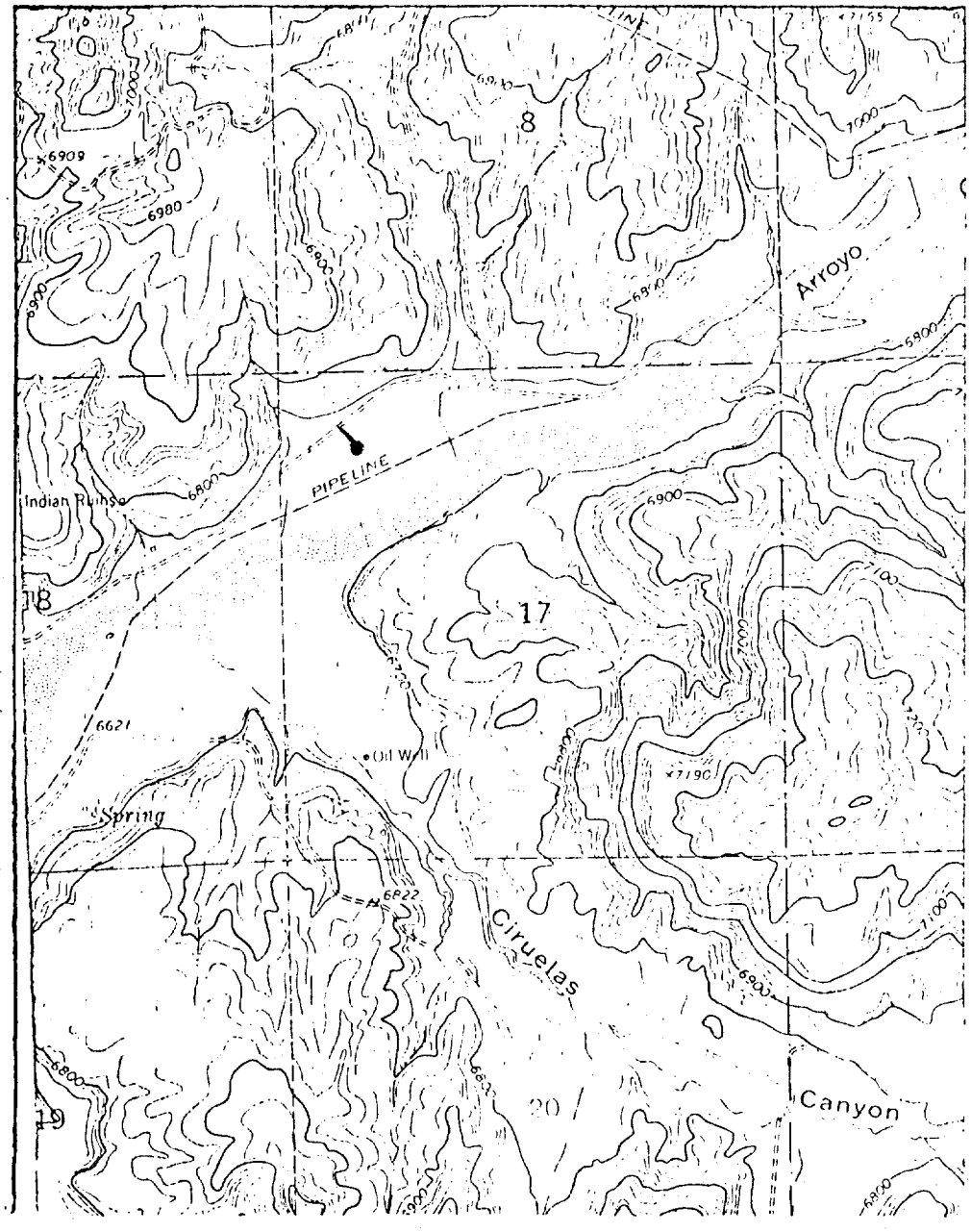
13. Certification - I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that 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.

April 11, 1977

D. R. Read,
Division Drilling Engineer

DRR:dgb

EL PASO NATURAL GAS COMPANY
SAN JUAN 27-4 UNIT #134
NW 17-27-4

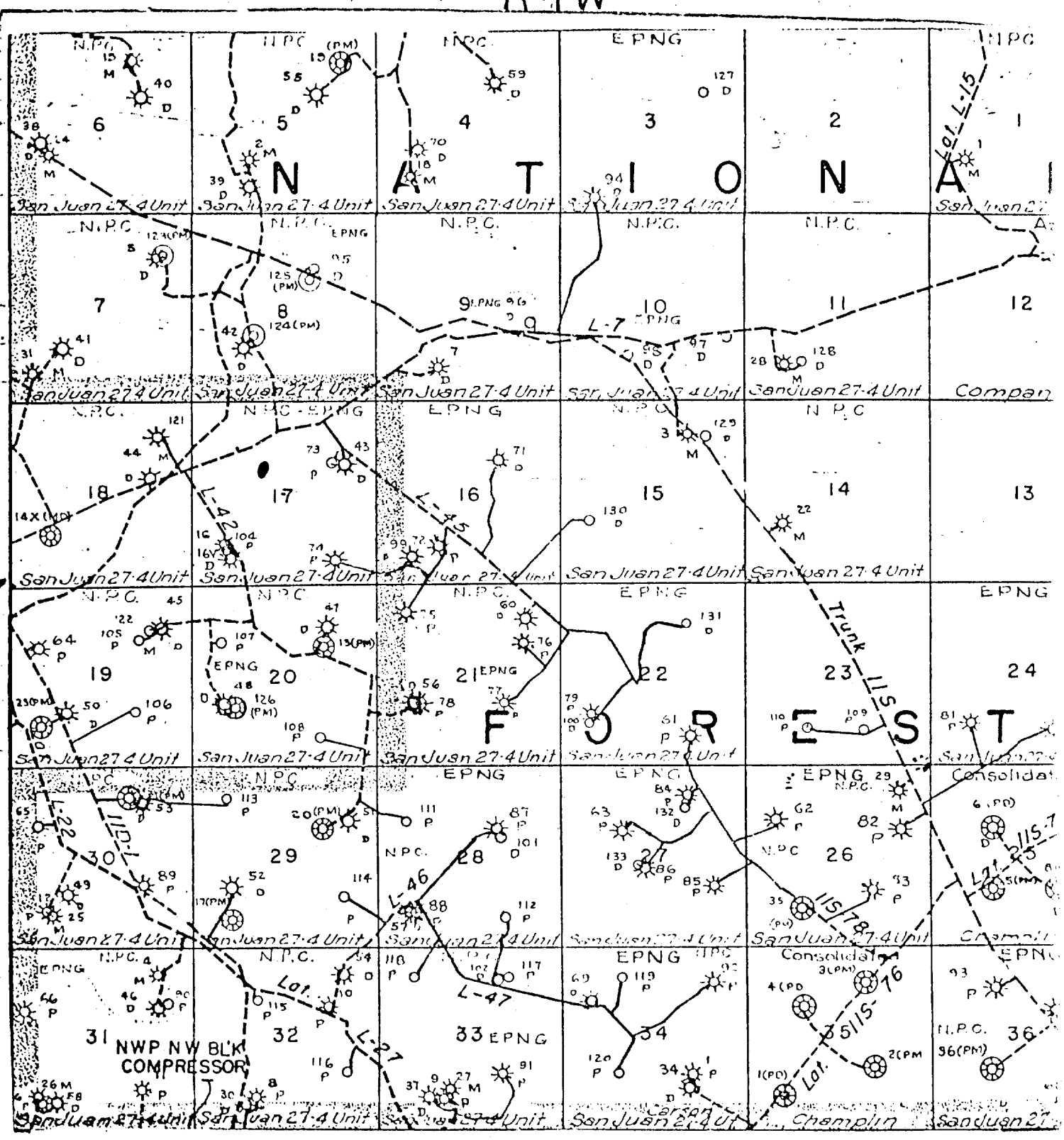


MAP #1

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 #134
SW 17-27-4



MAP #2

Proposed Location ●

Operations Plan
San Juan 27-4 Unit #134

I. Location: 850'N, 850'W, Sec. 17, T-27-N, R-4-W, Rio Arriba County, New Mexico

Field: Blanco Mesa Verde & Tapacito Pictured Cliffs Elevation: 6675' DF

II. Geology:

A. Formation Tops:

Surface	San Jose	Lewis	3695'
Ojo Alamo	3013'	Mesa Verde	5220'
Kirtland	3208'	Menefee	5365'
Fruitland	3358'	Point Lookout	5705'
Pictured Cliffs	3555'	Total Depth	6105'

B. Logging Program: I-ES and GR-Density at 3895'. GR-Ind. and GR-Density at total depth.

C. Coring Program: None

D. Natural Gauges: 5210', 5355', 5695' 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 3895'. Gas from intermediate casing to Total Depth.

IV. Materials:

A. Casing Program:

Hole Size	Depth	CasingSize	Wt. & Grade
13 3/4"	200'	9 5/8"	32.3# H-40
8 3/4"	3895'	7"	20.0# K-55
6 1/4"	3745-6105'	4 1/2"	10.5# K-55

B. Float Equipment: 9 5/8" Surface C sing - 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 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: 6105' of 2 3/8", 4.7#, J-55 8 rd EUE tubing with a common pump seating nipple above perforated pup joint with 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:

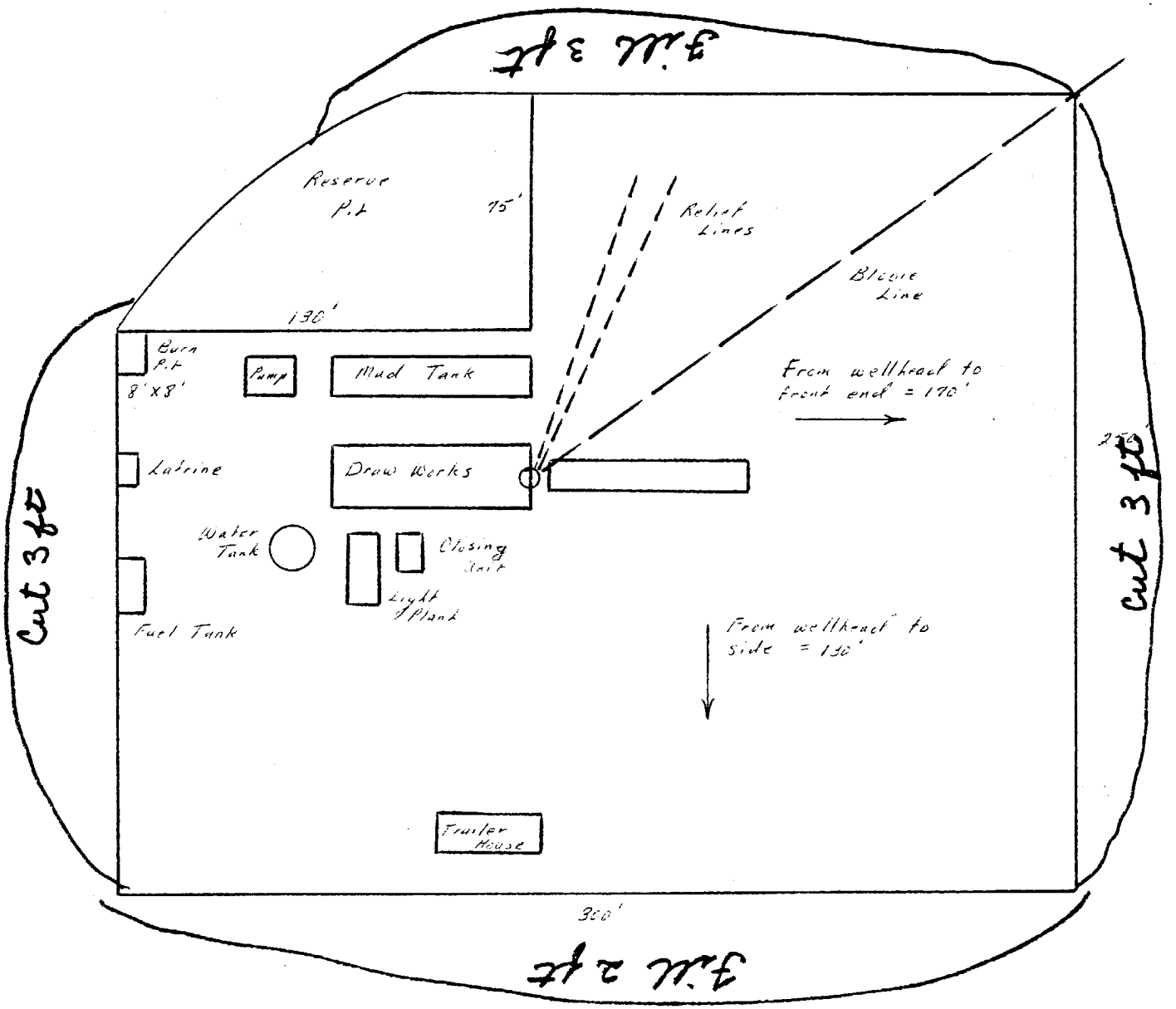
9 5/8" Surface Casing - Use 190 sacks of Class "B" cement with 1/4# gel-flake per sack and 3% calcium chloride (224 cu. ft. of slurry, 100% excess to circulate to surface). W.O.C. 12 hours. Test casing to 600#/30 minutes.

7" Intermediate Casing - Use 30 sacks of 65/35 Class "B" Pozmix with 12% gel (15.52 gallons of water per sack) followed by 100 sacks of Class "B" with 2% calcium chloride (198 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.

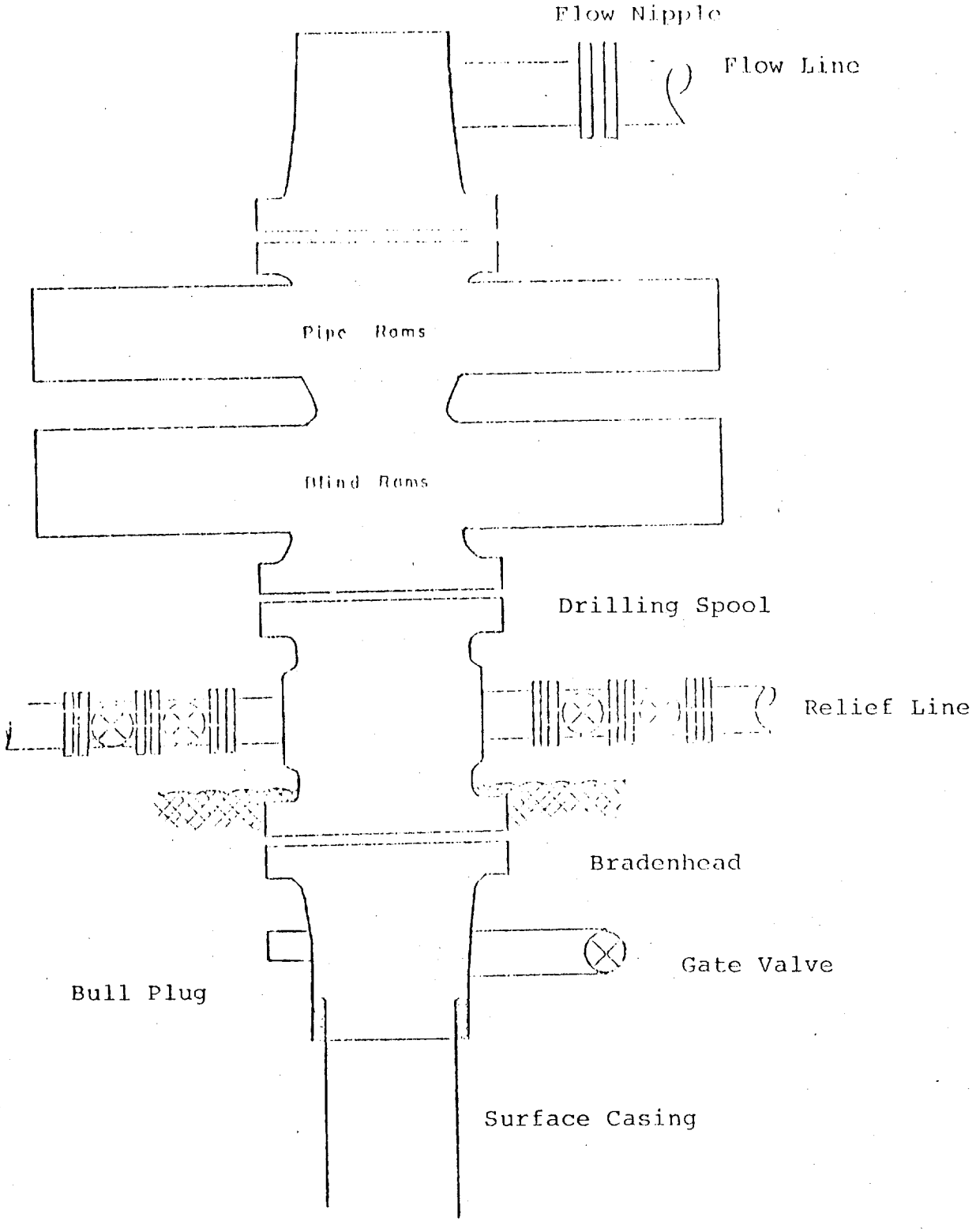
4 1/2" Liner - Precede cement with 20 barrels of gel water (2 sacks gel) Cement with 228 sacks of Class "B" cement with 4% gel, 1/4 cu. ft. of fine Gilsonite per sack and 0.6% Halad-9 (411 cu. ft. of slurry, 70% excess to circulate liner.

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