

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-045-23768

5. LEASE DESIGNATION AND SERIAL NO.

SF 078390

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jones A

9. WELL NO.

14

10. FIELD AND POOL, OR WILDCAT

So. Blanco Pic. Cliffs

11. SEC., T., R., M., OR BLK.

AND SURVEY OR AREA  
Sec. 11, T-28-N, R-8-W  
NMPM12. COUNTY OR PARISH  
San Juan13. STATE  
NM

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

El Paso Natural Gas Company

3. ADDRESS OF OPERATOR

PO Box 289, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

1020'S, 820'W

At proposed prod. zone

same

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

10 miles east of Bloomfield, NM

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

820'

16. NO. OF ACRES IN LEASE

1851.96

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

145.77

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

300'

19. PROPOSED DEPTH  
2620'20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5917'GR

22. APPROX. DATE WORK WILL START\*

## 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"	2 7/8"	6.4#	2237'	285 cu.ft.cover Ojo Alamo
6 3/4"	2 7/8"	6.4#	2620'	

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 SW/4 of Section 11 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. Busco*

TITLE

Drilling Clerk

DATE

Sept. 4, 1979

(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

NMOCC

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

Operator <b>EL PASO NATURAL GAS COMPANY</b>			Lease <b>JONES "A"</b> (SF-078390)		Well No. <b>14</b>
Unit Letter <b>M</b>	Section <b>11</b>	Township <b>28N</b>	Range <b>8W</b>	County <b>San Juan</b>	
Actual Footage Location of Well:					
1020 feet from the <b>South</b> line and		820 feet from the <b>West</b> line			
Ground Level Elev. <b>5917</b>	Producing Formation <b>PICTURED CLIFFS</b>		Pool <b>SO. BLANCO PICTURED CLIFFS</b>		Dedicated Acreage: <b>145.77</b> 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. NOTE: THIS PLAT REISSUED TO SHOW CORRECTED FOOTAGE AND ELEVATION 8/24/79

CERTIFICATION

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

*N. G. Suico*

Name  
Drilling Clerk

Position  
El Paso Natural Gas Co.

Company  
September 4, 1979

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.

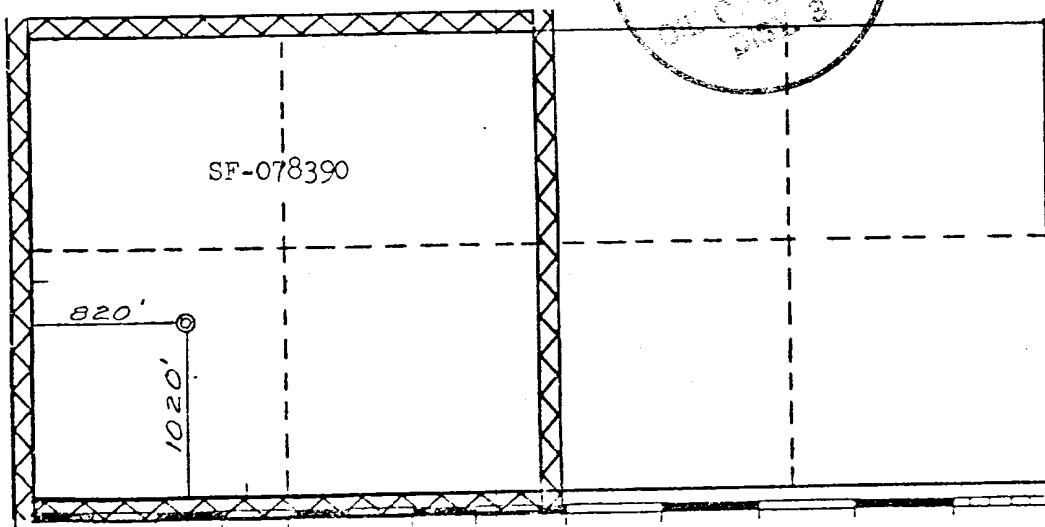
Date Surveyed

June 14, 1979

Registered Professional Engineer and/or Land Surveyor

*Fred B. Kern Jr.*

Certificate No. 8 1943, 12.  
JGEN



**El Paso** NATURAL GAS  
COMPANY

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

Multi-Point Surface Use Plan

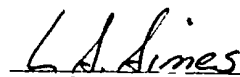
Jones A #14

Please refer to  
the existing  
be required  
All existing  
main

1. Existing Road - Multi-Point Surface Use Plan
- Jones A #14
- Please refer to Map No. 1 which shows the existing roads. All existing roads will be required to be maintained during the duration of this project.
- Planned Access Roads - Please refer to Map No. 1. The grade of the access roads will be consistent with the local terrain. The roads will not exceed twenty feet in width and completion of the project. Drainage ditches, water bars, culverts, erosion measures, deemed necessary to insure adequate drainage of the roads will be necessary. personnel to insure adequate drainage of the roads will be necessary. and/or cattle guard necessary.
- Existing Wells
- Battle
- vi
- P. O. BOX 990  
FARMINGTON, NE  
PHONE: 505-325-284

- shows the grade of the road which will be constructed on this map. The duration of this project will be twenty feet. The grade of the road will be adequately drained, the surface will be erosion, drainage project, culverts or any other ditches, water bars, facilities may include measure, deemed necessary proper by trained Company personnel to insure proper drainage. Gates and/or cattleguards will be installed if necessary.
- Production Facilities, and Production Map No. 2. 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.
- Water Supply - Water for the proposed project will be obtained from Grambling Water Well.
- No additional materials required to build either the proposed location or the proposed location.
- All gas gathering materials will be put into a bulk storage location Plat No. 1. Its location has been begun on the Plat No. 1. At least one reference to the 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 operations 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 sagebrush flats with sagebrush growing. Cattle and deer are occasionally seen on the proposed project site.
12. Operator's Representative - W.D. Dawson, PO Box 990, 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.



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L. A. Aimes  
Project Drilling Engineer

## Operations Plan - Jones A #14

I. Location: 1020'S, 820'W, Section 11, T-28-N, R-8-W, San Juan County, NM

Field: So. Blanco Pictured Cliffs

Elevation: 5917'GL

II. Geology:

A. Surface Formation: San Jose

Sub-surface Formation Tops:

Ojo Alamo	1500'	Pictured Cliffs	2437'
Kirtland	1605'	Lewis	2580'
Fruitland	2165'	Total Depth	2620'

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

C. Coring: none

D. Testing: none

III. Drilling:

A. Anticipated Starting Date and Duration of the Project:

1980 Drilling Program - approximately 4 days to complete.

B. Circulating Medium: Treated water and a low solids gel base mud will be used from surface to TD.

IV. Materials:

A. Casing Program:	<u>Hole Size</u>	<u>Depth</u>	<u>Csg. Size</u>	<u>Wt. &amp; Grade</u>
	12 1/4"	120'	8 5/8"	24.0# J-55
	7 7/8"	2237'	2 7/8"	6.4# J-55
	6 3/4"	2620'	2 7/8"	6.4# J-55

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

2 7/8" production casing - 10' shoe joint with notched collar for guide shoe and 2 7/8" latch down baffle on top. Two 3 1/16" balls and one 2 7/8" latch down plug.

C. Tubing: none

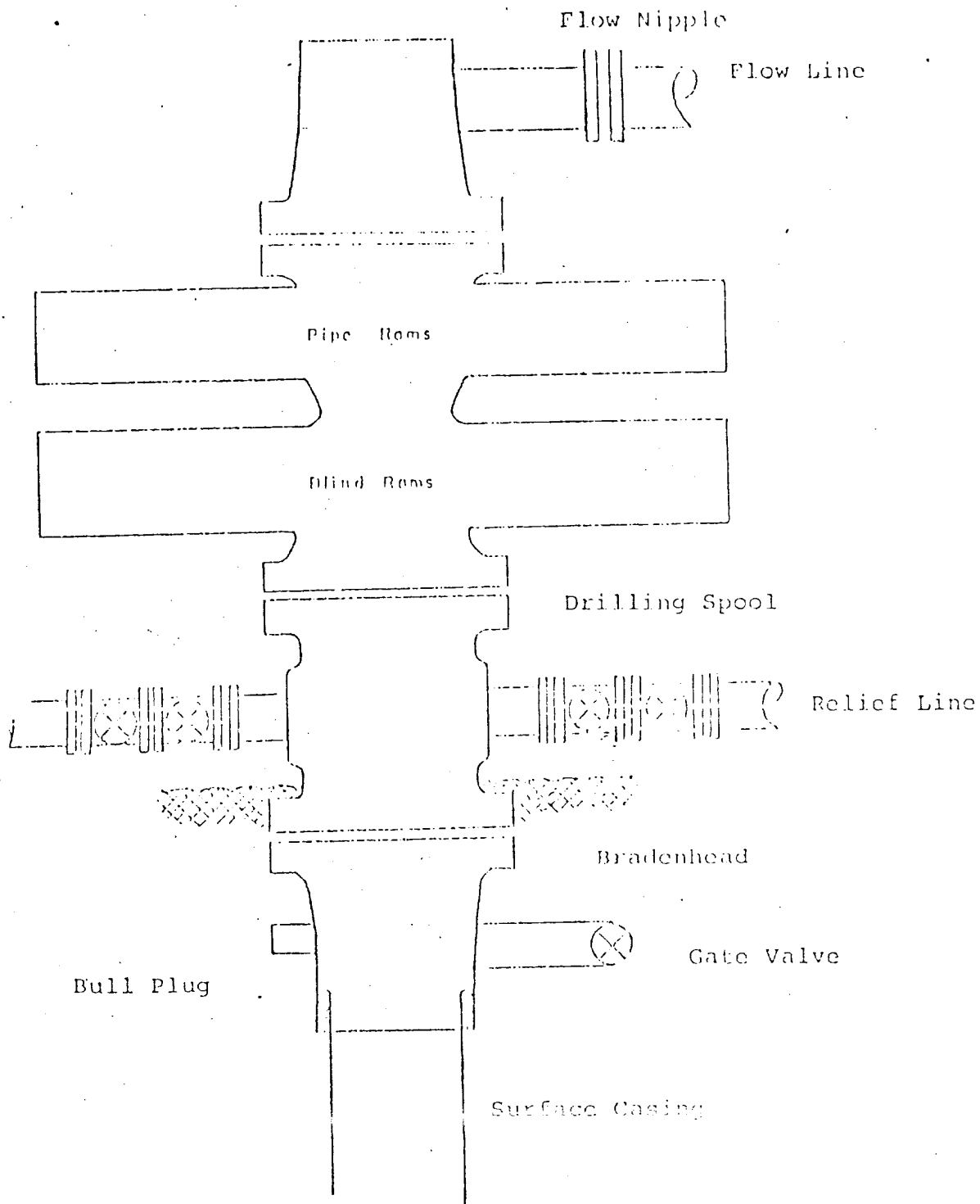
D. Wellhead Equipment: Hercules Wellhead Type CE (Fig. 1-CE)

V. Cementing:

8 5/8" surface casing - 90 sks. of Class "B" cement with 1/4# gel-flake per sack and 3% calcium chloride (106 cu.ft. of slurry, 100% excess to circulate to surface). WOC 12 hrs. Test casing wellhead and BOP to 600#/30 minutes.

2 7/8" production - precede cement with 5 bbls. water. Cement with 161 sks. of 65/35 Class "B" Poz with 6% gel and 8.3 gallons water per sack followed by 65 sks. 50/50 Class "B" Poz with 2% gel (285 cu.ft. of slurry, 50% excess to cover Ojo Alamo). Spot 50 gallons of 7 1/2% acetic acid on top of plugs. Run temperature survey after 12 hours.

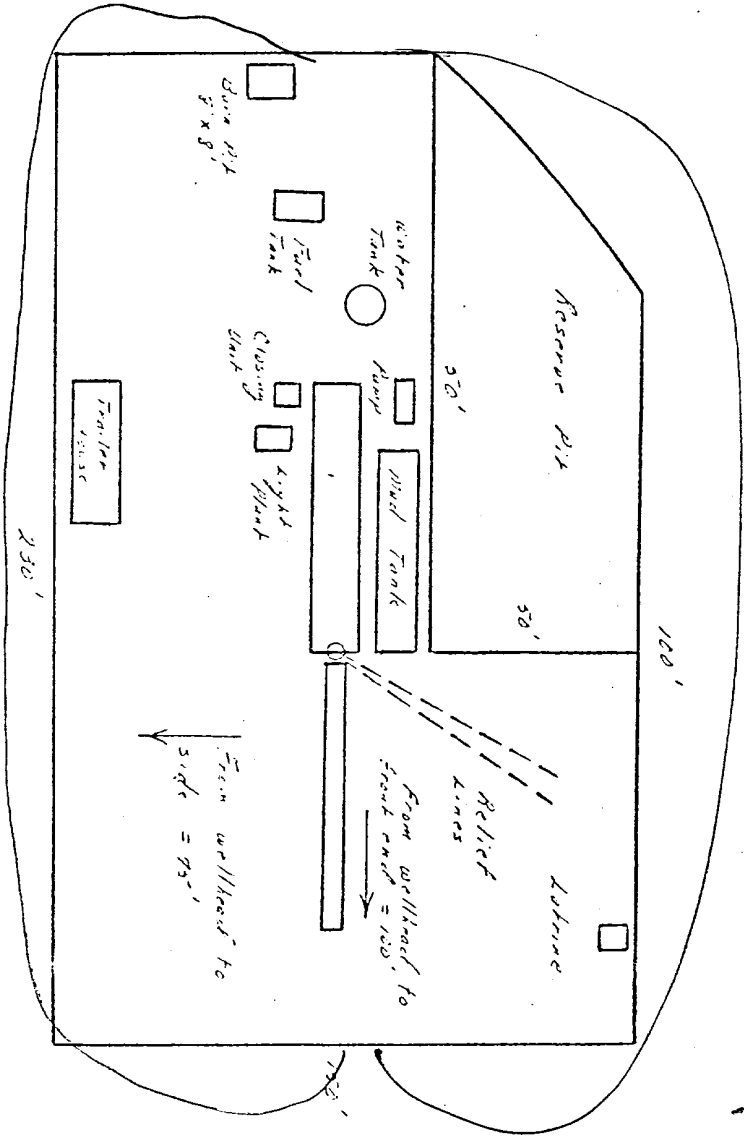
Typical Mud Drilled B.O.P. Installation  
for Pictured Cliffs Well



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

E1 Paso Natural Gas Company  
 Typical Location Pit for Pictured Cliffs Well

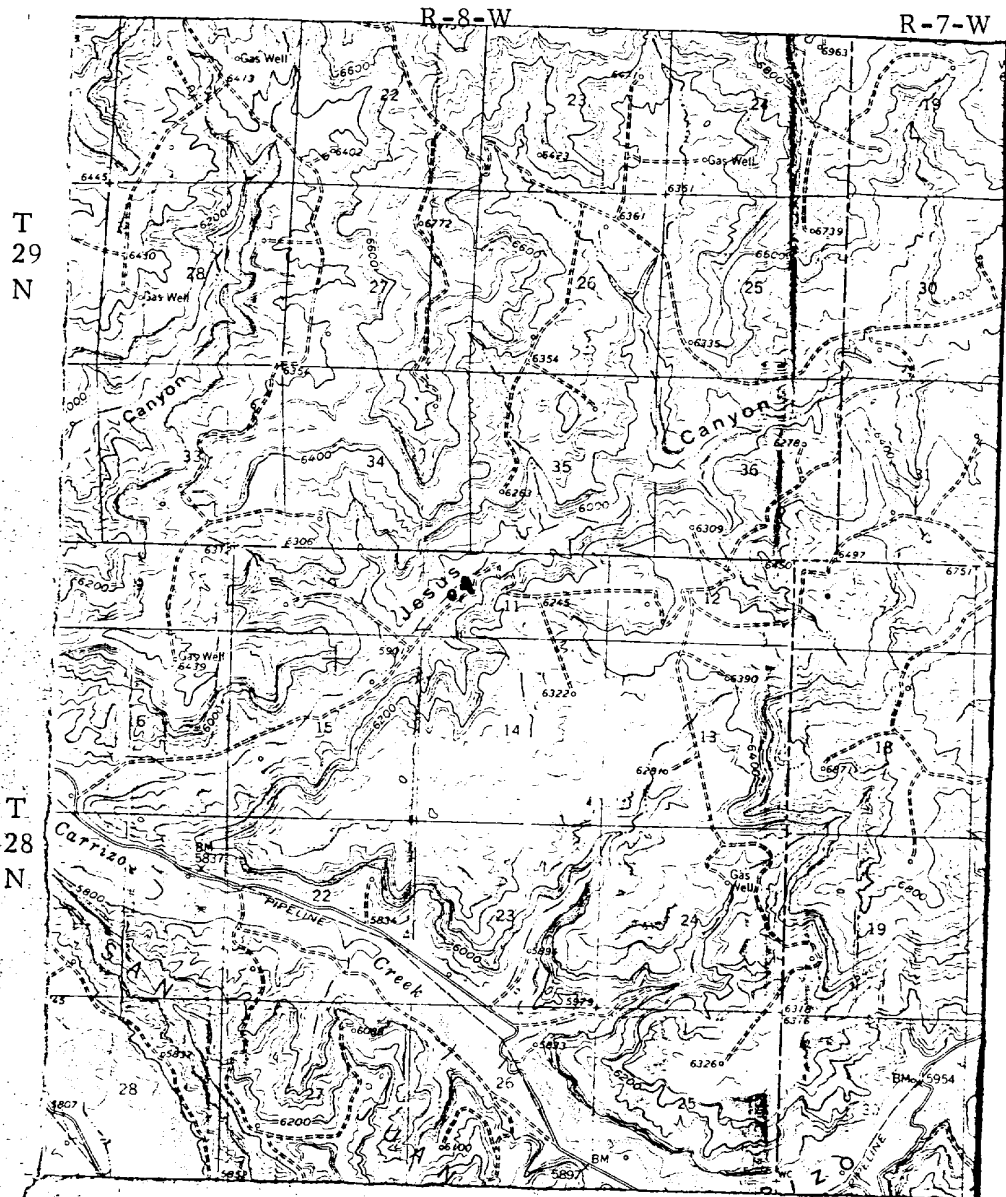
11' x 11'



3' x 8'

Scale: 1/2" = 20'

EL PASO NATURAL GAS COMPANY  
Jones A #14  
SW 11-28-8



MAP #1

LEGEND OF RIGHT-OF-WAYS

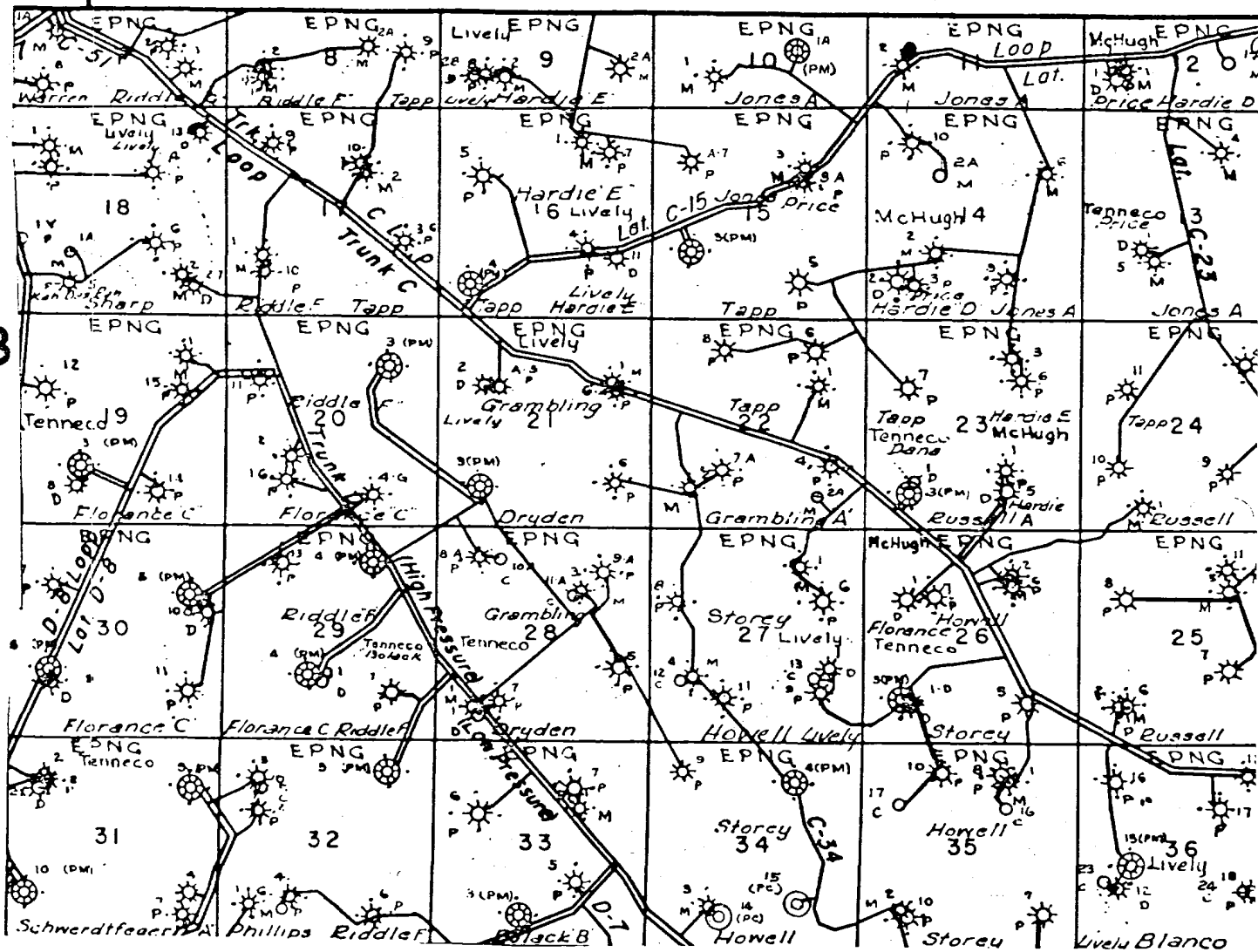
EXISTING ROADS	— — — — —
EXISTING PIPELINES	+ + + + +
EXISTING ROAD & PIPELINE	+ + + + +
PROPOSED ROADS	— — — — —
PROPOSED PIPELINES	+ + + + +
PROPOSED ROAD & PIPELINE	+ + + + +



SW 11-28-8

**R-8-W**

T  
28  
N



MAP #2

### Proposed Location