

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 1850'S, 1170'W

At proposed prod. zone

same

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

15 miles Southeast of Blanco, NM

15. DISTANCE FROM PROPOSED*

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

1170'

16. NO. OF ACRES IN LEASE

Unit

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320.00

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

300'

19. PROPOSED DEPTH

7800'

20. ROTARY OR CABLE TOOLS

Rotary

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

6564' 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"	32.0#	200'	224 cu.ft. circulated
8 3/4"	7"	20.0#	3600'	282 cu.ft. to cover Ojo Alam
6 1/4"	4 1/2"	10.5#&11.6#	7800'	646 cu.ft. to fill to inter- mediate

Selectively perforate and sandwater fracture the Dakota 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 W/2 of Section 28 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

J. G. Guisco

TITLE

Drilling Clerk

DATE

April 26, 1979

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

ok Ersk

*See Instructions On Reverse Side

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

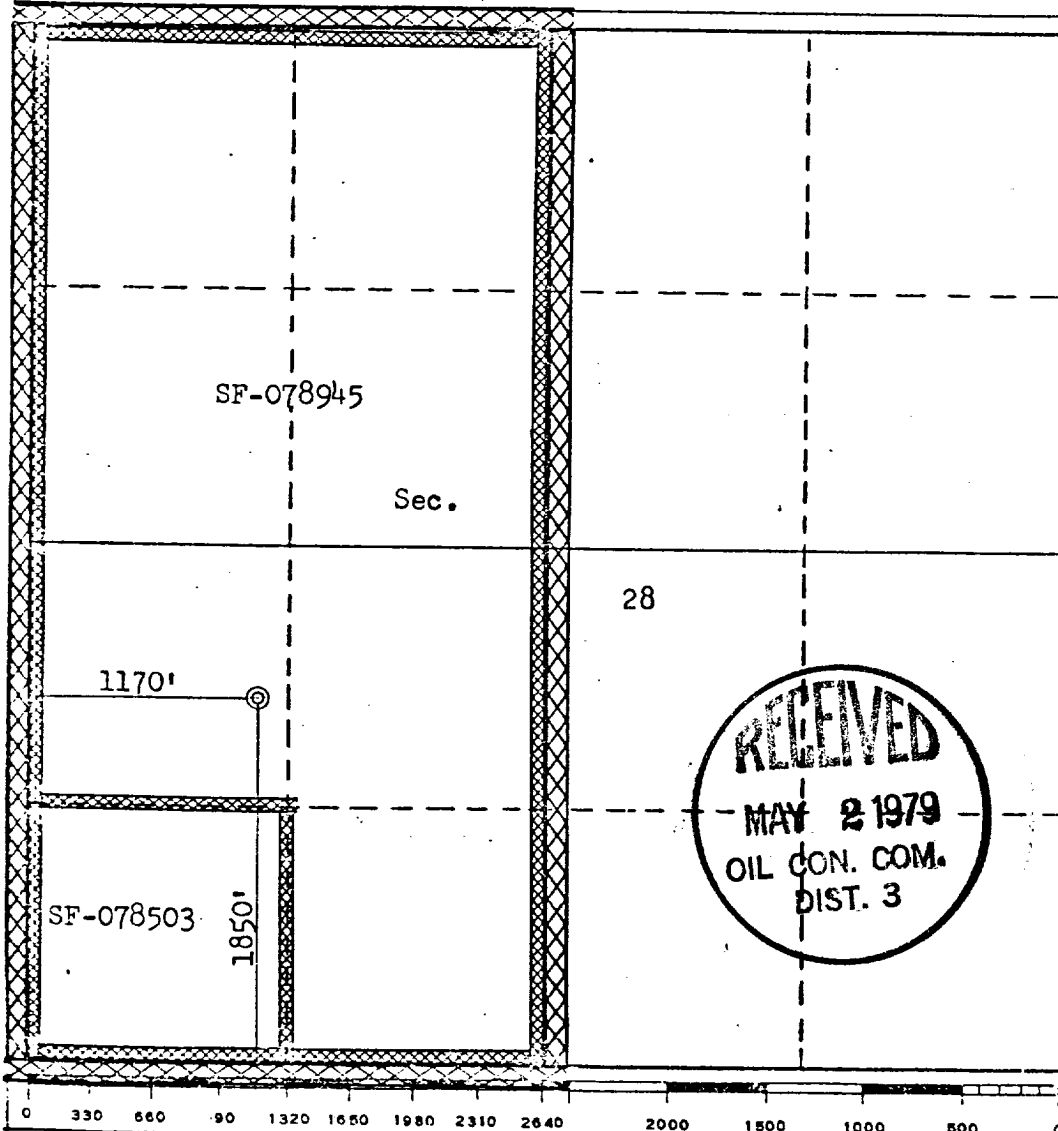
Operator EL PASO NATURAL GAS COMPANY			Lease SAN JUAN 29-7 Unit (SF-078945)		Well No. 115
Unit Letter L	Section 28	Township 29N	Range 7W	County Rio Arriba	
Actual Footage Location of Well: 1850 feet from the South line and 1170 feet from the West line					
Ground Level Elev. 6564	Producing Formation Dakota		Pool Basin Dakota		Dedicated Acreage: 320.00 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 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.



CERTIFICATION

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

D. A. Lucas

Name
Drilling Clerk

Position
El Paso Natural Gas Co.

Date
April 26, 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

April 9, 1979

Registered Professional Engineer and/or Land Surveyor

Fred B. Kern, Jr.
Fred B. Kern, Jr.

Certificate No. 3950

Multi-Point Surface Use Plan
San Juan 29-7 Unit #115

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 Manzaneras Mesa 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,

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 reseeded operations to be carried out. Seed mixture as designated by the responsible government agency will be used. The reseeded 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 rolling hills with sage, cedar and pinon growing. Deer, rabbits, and cattle 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.

L. A. Aimes

L. A. Aimes
Project Drilling Engineer

Operations Plan
San Juan 29-7 Unit #115

I. Location: 1850'S, 1170'W, Section 28, T-29-N, R-7-W, Rio Arriba County, NM

Field: Basin Dakota

Elevation: 6564'GL

II. Geology:

A. Formation Tops:	Surface	San Jose	Menefee	5109'
	Ojo Alamo	2350'	Point Lookout	5495'
	Kirtland	2530'	Gallup	6575'
	Fruitland	3030'	Greenhorn	7458'
	Pic.Cliffs	3305'	Graneros	7515'
	Lewis	3400'	Dakota	7674'
	Mesa Verde	4942'	Total Depth	7800'

B. Logging Program: GR-Ind. and GR-Density at Total Depth.

C. Coring Program: none

D. Natural Gauges: 5495', 6575', 7514', 7674' 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 3600'. Gas from intermediate casing to Total Depth.

IV. Materials:

A. Casing Program:	<u>Hole Size</u>	<u>Depth</u>	<u>Casing Size</u>	<u>Wt.&Grade</u>
	13 3/4"	200'	9 5/8"	32.3# H-40
	8 3/4"	3600'	7"	20.0# K-55
	6 1/4"	6500'	4 1/2"	10.5# K-55
	6 1/4"	7800'	4 1/2"	11.6# K-55

B. Float Equipment: 9 5/8" surface casing - B & W guide shoe
(Prod. No. 06-09611-0200)

7" intermediate casing - Pathfinder guide shoe (Part No. 1003-1-007) and Howco self-fill insert float valve (Price Ref.36A&37),
5 Pathfinder stabilizers (Part No. 107-10) every other joint above shoe. Run float two joints above shoe.

4 1/2" production casing - Larkin geyser shoe (fig. 222) and Larkin flapper type float collar (fig. 404 M&F)

C. Tubing: 7800' of 1 1/2", 2.9#, J-55 10rd 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: 3000 psi test tree. Wellhead representative to set all slips and cut off casing.

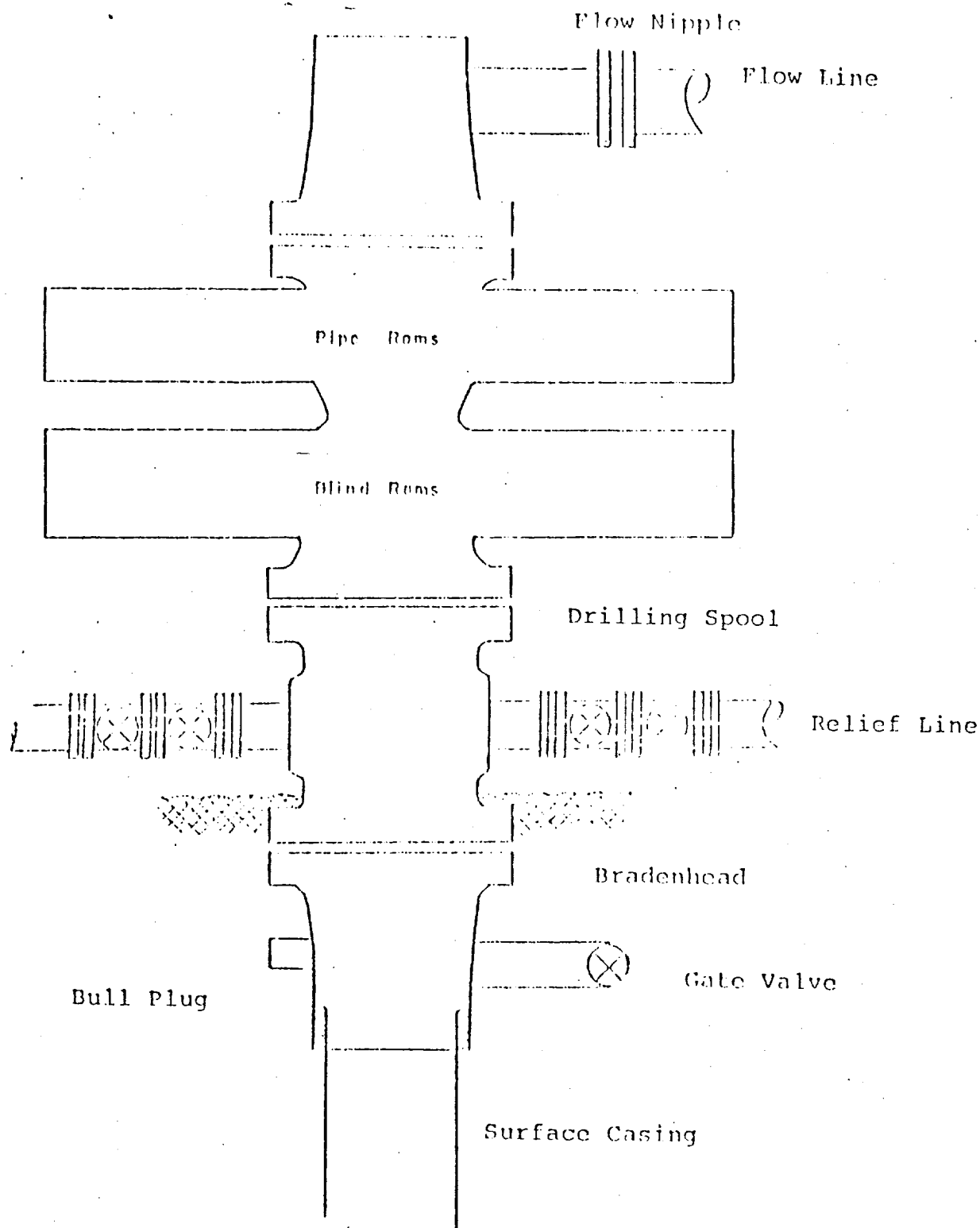
V. Cementing:

9 5/8" surface casing - 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 to surface). WOC 12 hours. Test casing to 600#/30 minutes.

7" intermediate casing - use 101 sks. of 65/35 Class "B" Poz with 6% gel and 2% calcium chloride (8.3 gallons of water per sack) followed by 100 sks. of Class "B" with 2% calcium chloride (282 cu.ft. of slurry, 50% excess to cover Ojo Alamo). Run temperature survey at 8 hours. WOC 12 hours. Test casing to 1200#/30 minutes.

4 1/2" production casing - precede cement with 40 bbls. of gel water (4 sks. gel) cement with 242 sks. of Class "B" with 8% gel, 1/4 cu.ft. fine gilsonite per sack and 0.4% HR-7, followed by 100 sks. of Class "B" with 1/4# fine tuf-plug per sack and 0.4% HR-7 (646 cu.ft. of slurry, 50% excess to fill to intermediate casing). Run temperature survey at 8 hours. WOC 18 hours.

Typical B.O.P. Installation
for Dakota Well

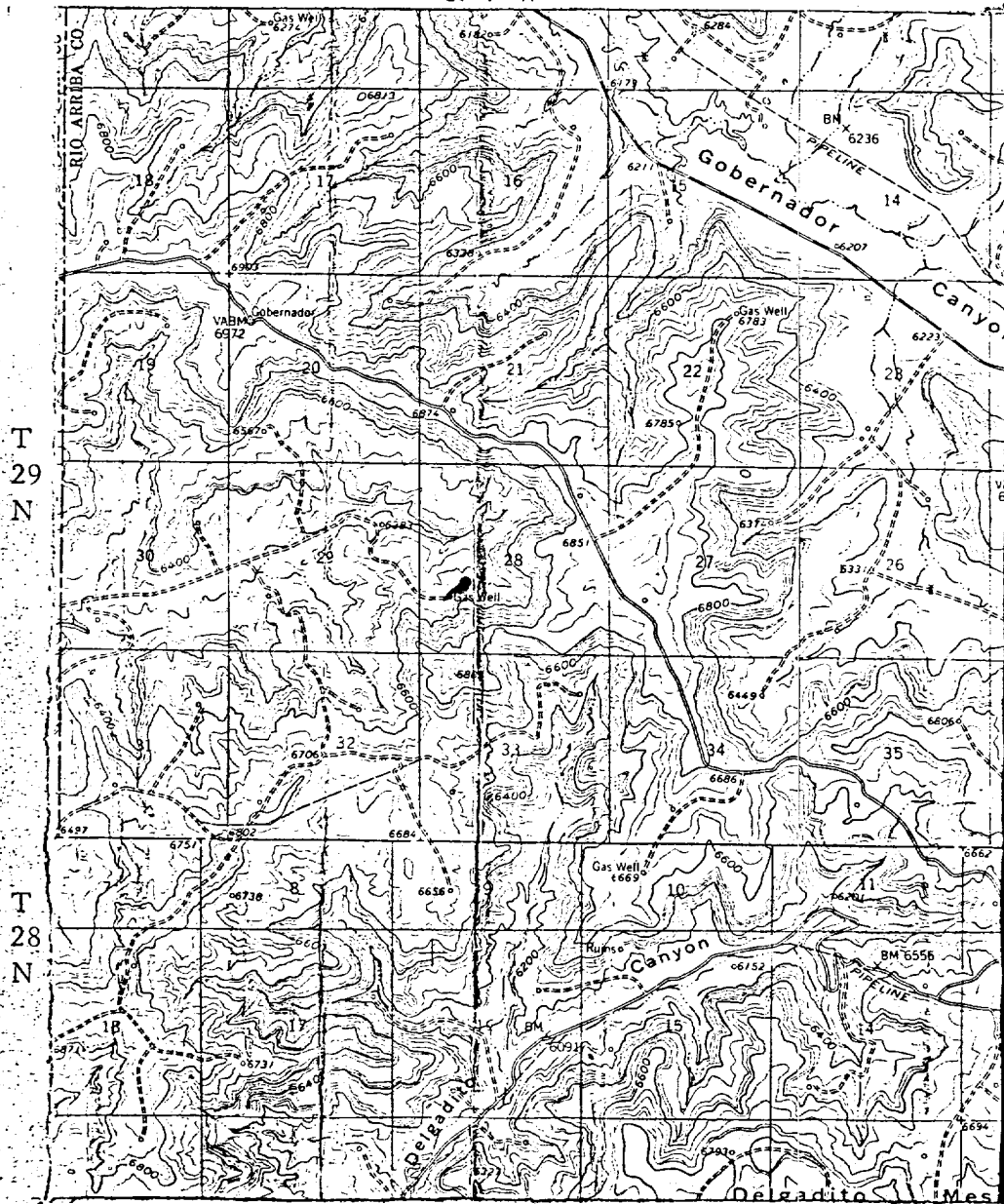


Series 900 Double Gate BOP, rated
at 3000 psi Working Pressure

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
San Juan 29-7 Unit #115
SW 28-29-7

R-7-W



MAP #1

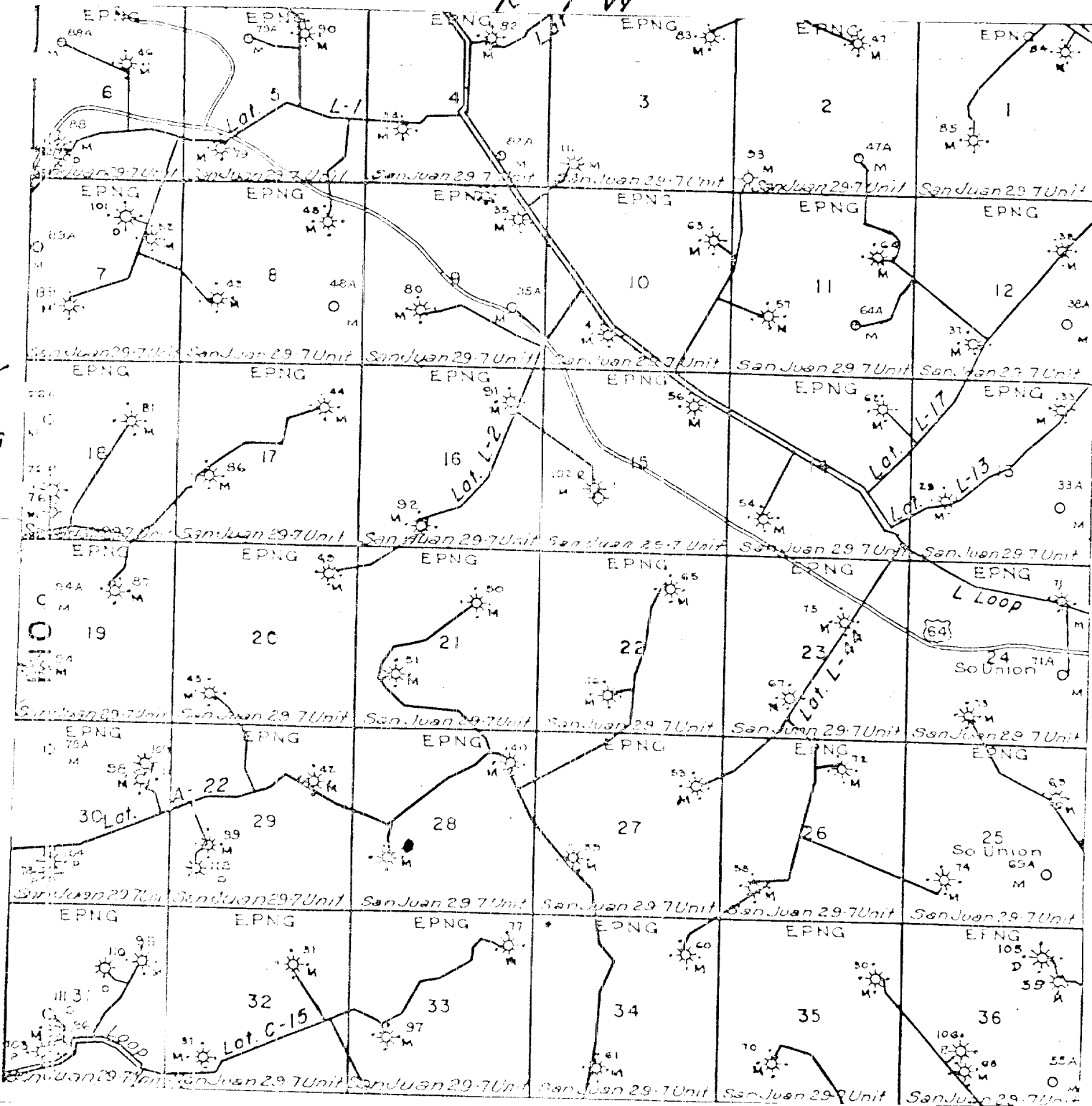
LEGEND OF RIGHT-OF-WAYS

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

EL PASO NATURAL GAS COMPANY
San Juan 29-7 Unit #115
SW 28-29-7

R-7-W

T
29
N



MAP #2

Proposed Location



LTR



Job separation sheet

F

30-039-22032

5-2-79

F. Loc. 1850/S; 1170/W Elev. 6564 GL Spd. _____ Comp. _____ TD. _____ PB. _____
 Casing S. _____ @ _____ W _____ Sx. Int. _____ @ _____ W _____ Sx. Pr. _____ @ _____ W _____ Sx. T. _____ @ _____
 Csg. Perf. _____ Prod. Stim. _____

I.P. _____ BO/D _____ MCF/D After _____ Hrs. SICP _____ PSI After _____ Days GOR _____ Grav. _____ Ist Del. _____ s

TOPS		NITD	Well Log	TEST DATA							
Kirtland		C-103	Plat	Schd.	PC	Q	PW	PD	D	Ref.No.	
Fruitland		C-104	Electric Log								
Pictured Cliffs			C-122								
Cliff House		Ditr	Dfa								
Menefee		Datr	Dac								
Point Lookout		W/320									
Manaos											
Gallup											
Sanostee											
Greenhorn											
Dakota											
Morrison											
Entrada											

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Basin Dak Co. RA S 28 T 29N R 7W 14 Lower El Paso Natural Gas Co. Sec. 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

San Juan 29-7 Unit #115

L-28-29N-7W

El Paso Natural Gas Company

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other ☐

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. See space 17 below.)
AT SURFACE: 1850'S, 1170'W
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) <u>Cancel location</u>		

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Our plans to drill this well have been dropped. We therefore request that our application for Permit to Drill be cancelled.

Subsurface Safety Valve: Manu. and Type _____

18. I hereby certify that the foregoing is true and correct

SIGNED M. G. Busco TITLE Drilling Clerk DATE July 12, 1979

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form Approved.
Budget Bureau No. 42-R1424

5. LEASE
SF 078945

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
San Juan 29-7 Unit

8. FARM OR LEASE NAME
San Juan 29-7 Unit

9. WELL NO.
115

10. FIELD OR WILDCAT NAME
Basin Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 28, T-29-N, R-7-W
NMDM

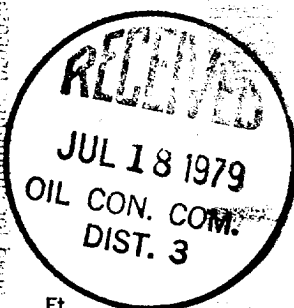
12. COUNTY OR PARISH
Rio Arriba

13. STATE
NM

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6564' GL

(NOTE: Report results of multiple completion or zone change on Form 9-330.)



JUL 17 1979

U.S. GEOLOGICAL SURVEY
DURANGO, COLO.

Federal Building
701 Camino Del Rio
Durango, Colorado 81301

July 18, 1979

El Paso Natural Gas Company
P. O. Box 289
Farmington, New Mexico 87401

Gentlemen:

By Sundry Notice received July 17, 1979, you advised that you would not drill Well No. 115 San Juan 29-7 Unit, located in the NW/4SW/4 section 28, T. 29 N., R. 7 W., NMPM, Rio Arriba County, New Mexico, on Federal oil and gas lease S.F. 078945.

Application for Permit to Drill has not been approved and construction of access road and well pad had not commenced.

Application for Permit to Drill is canceled this date and is returned herewith unapproved. If at some later date you decide to drill a well at this location, it will be necessary to file a new application.

Sincerely yours,

(Orig. Sgd.) C. A. BARRICK

Carl A. Barrick
Acting District Engineer

Enclosure

cc: BLM, Farmington
NMOCO, Aztec/



AT BARRICK

