

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

1750'N, 1090'W

At proposed prod. zone

same

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

3 miles East of Aztec, NM

15. DISTANCE FROM PROPOSED*

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

1090'

16. NO. OF ACRES IN LEASE

117.74

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1800'

19. PROPOSED DEPTH

2960'

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

6273'GL

23.

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#	200'	165 cu.ft.circ.to surface
7 7/8"	4 1/2"	10.5#	2960'	515 cu.ft.to cover Ojo Alamo

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 NW/4 of Section 20 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 1-14-80

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

*See Instructions On Reverse Side

NMOC

This action is subject to administrative
appeal pursuant to 30 CFR 290.

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-107
Supersedes C-128
Effective 1-1-65

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

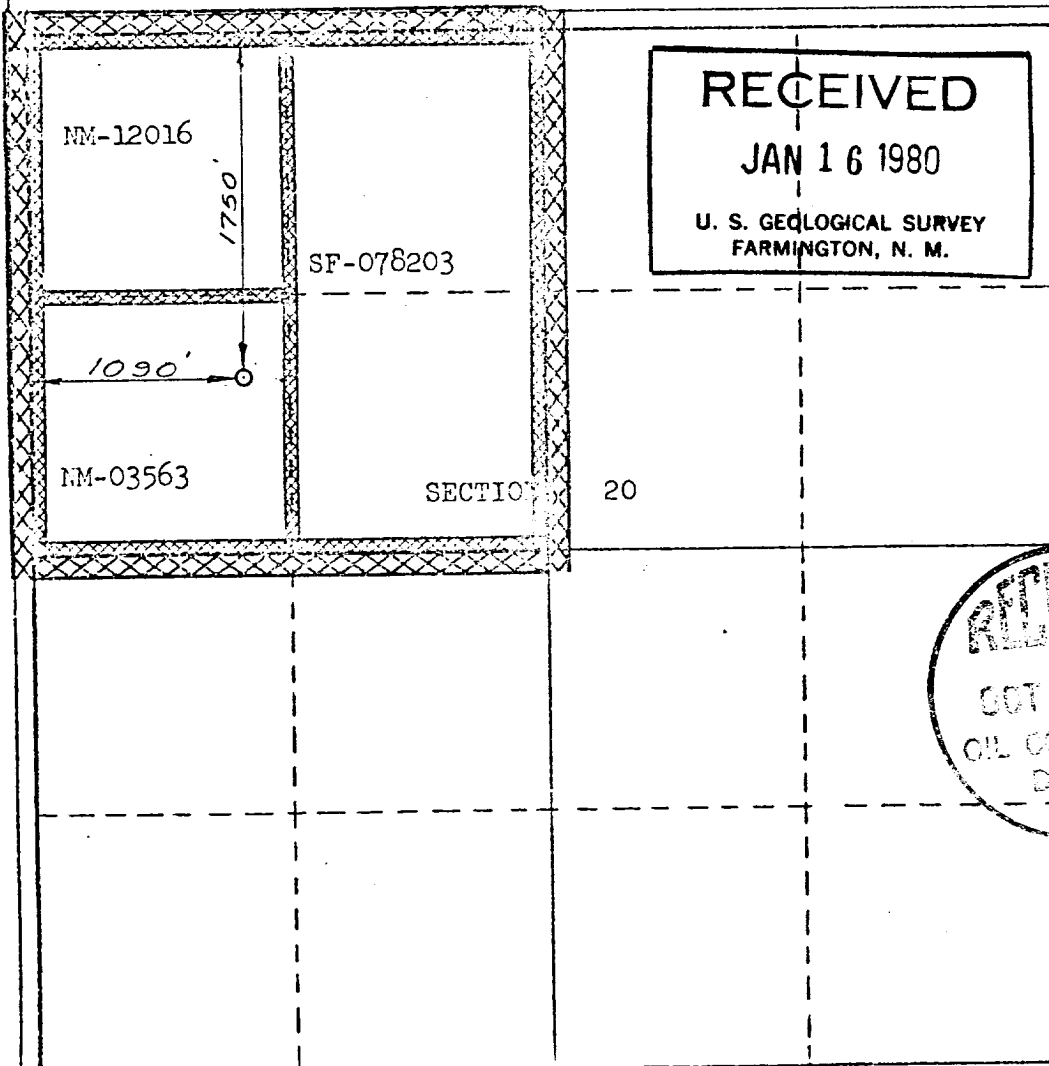
Operator EL PASO NATURAL GAS COMPANY			Lease GAGE (NM-03563)		Well No. 3
Unit Letter E	Section 20	Township 30-N	Range 10-W	County SAN JUAN	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> 1750 feet from the NORTH line and 1090 feet from the WEST line </div>					
Ground Level Elev. 6273	Producing Formation PICTURED CLIFFS		Pool <i>Blanco</i> AZTEC PICTURED CLIFFS		Dedicated Acreage: 160.00 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.



CERTIFICATION

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

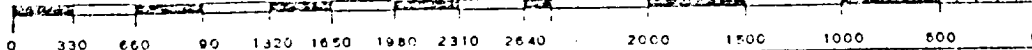
A. G. Guisco

Name
Drilling Clerk
Position
El Paso Natural Gas
Company
January 14, 1980
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 are true and correct to the best of my knowledge and belief.

Date Surveyed
AUGUST 5, 1975
Registered Professional Engineer
and/or Land Surveyor

[Signature]
Certificate No. **1760**



El Paso NATURAL GAS
COMPANY

EL PASO
FARMINGTON, NEW MEXICO 87401
PHONE 345-0244

Well Name Eager #1P
Location NW 20 30-10
Formation PC

We, the undersigned, have inspected this location and road.

U. S. Forest Service
Dabney Dod
Archaeologist

Date
10/4/79
Date

Bureau of Indian Affairs Representative
Bugs Mark
Bureau of Land Management Representative

Date
10/4/79
Date

A. Kemp
U. S. Geological Survey Representative - AGREES

Date
10/4/79
Date

TO THE FOOTAGE LOCATION OF THIS WELL.

REASON:

Seed Mixture: II

Equipment Color: ~~RED~~ GREEN

Road and Row: (Same) or (Separate)

Remarks:

C.C. to Dave Vilvin
Earl Mealer
John Ahlm

Operations Plan - Gage #1R

I. Location: 1750'N, 1090'W, Section 20, T-30-N, R-10-W, San Juan County, NM

Field: Aztec Pictured Cliffs

Elevation: 6273'GR

II. Geology:

A. Formation Tops:	Surface	Nacimiento	Pictured Cliffs	2785'
	Ojo Alamo	1455'	Lewis	2920'
	Kirtland	1565'	Total Depth	2960'
	Fruitland	2430'		

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

C. Coring: none

III. Drilling:

A. Mud Program: mud from surface to TD.

IV. Materials:

A. Casing Program:	<u>Hole Size</u>	<u>Depth</u>	<u>Csg.Size</u>	<u>Wt.&Grade</u>
	12 1/4"	200'	8 5/8"	24.0# J-55
	7 7/8"	2960'	4 1/2"	10.5# K-55

B. Float Equipment: 8 5/8" surface casing - Pathfinder Texas Pattern guide shoe (Prod.No. 2006-1-012)

4 1/2" production casing - run Pathfinder guide shoe (Part#2003-1-000) on bottom of a 15' shoe joint. Run a Howco self fill insert float valve (Price Ref.36A & 37) on top of the shoe joint. Run 8 Baker 4 1/2" x 7 7/8" (Type 244-65-2401) centralizers, one on each joint beginning with the shoe joint.

C. Tubing: 2960' of 1 1/4" EUE, 2.4#, K-55 tubing

D. Wellhead Equipment: 8 5/8" x 4 1/2" 2000 psi WOG wellhead with a 4 1/2" x 2 3/8" 2000 psi WOG tubing head. Wellhead representative to set 4 1/2" casing slips. 4 1/2" casing to be cut off 24" above casing slips.

V. Cementing:

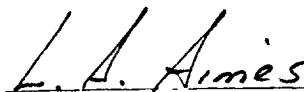
8 5/8" surface casing - 140 sks. of Class "B" cement with 1/4# gel-flake per sack and 3% calcium chloride (165 cu.ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing, wellhead, and BOP to 600#/30 minutes.

4 1/2" production casing - precede cement with 5 bbls. water. Cement with 275 sks. 65/35 Class "B" Poz with 6% gel and 8.3 gal. water/sk. followed by 75 sks. 50/50 Class "B" Poz w/2% gel (515 cu.ft. of slurry, 50% excess to cover Ojo Alamo). Spot 135 gal. 7 1/2% acetic acid on top of plugs. Run temperature survey after 12 hours.

Multi-Point Surface Use Plan
Gage #1R

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 Animas River.
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 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 rolling hills with pinon, juniper, and 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.

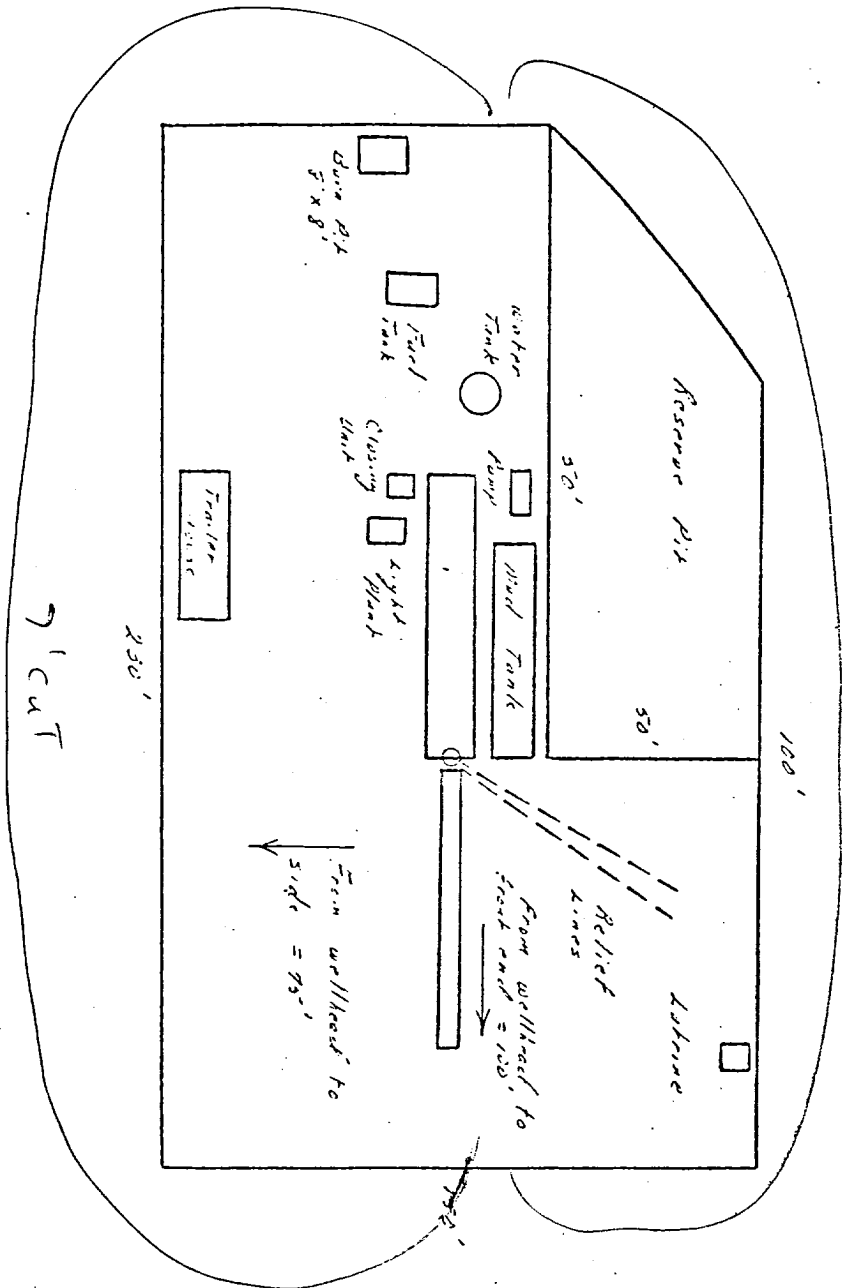


L. A. Aimes

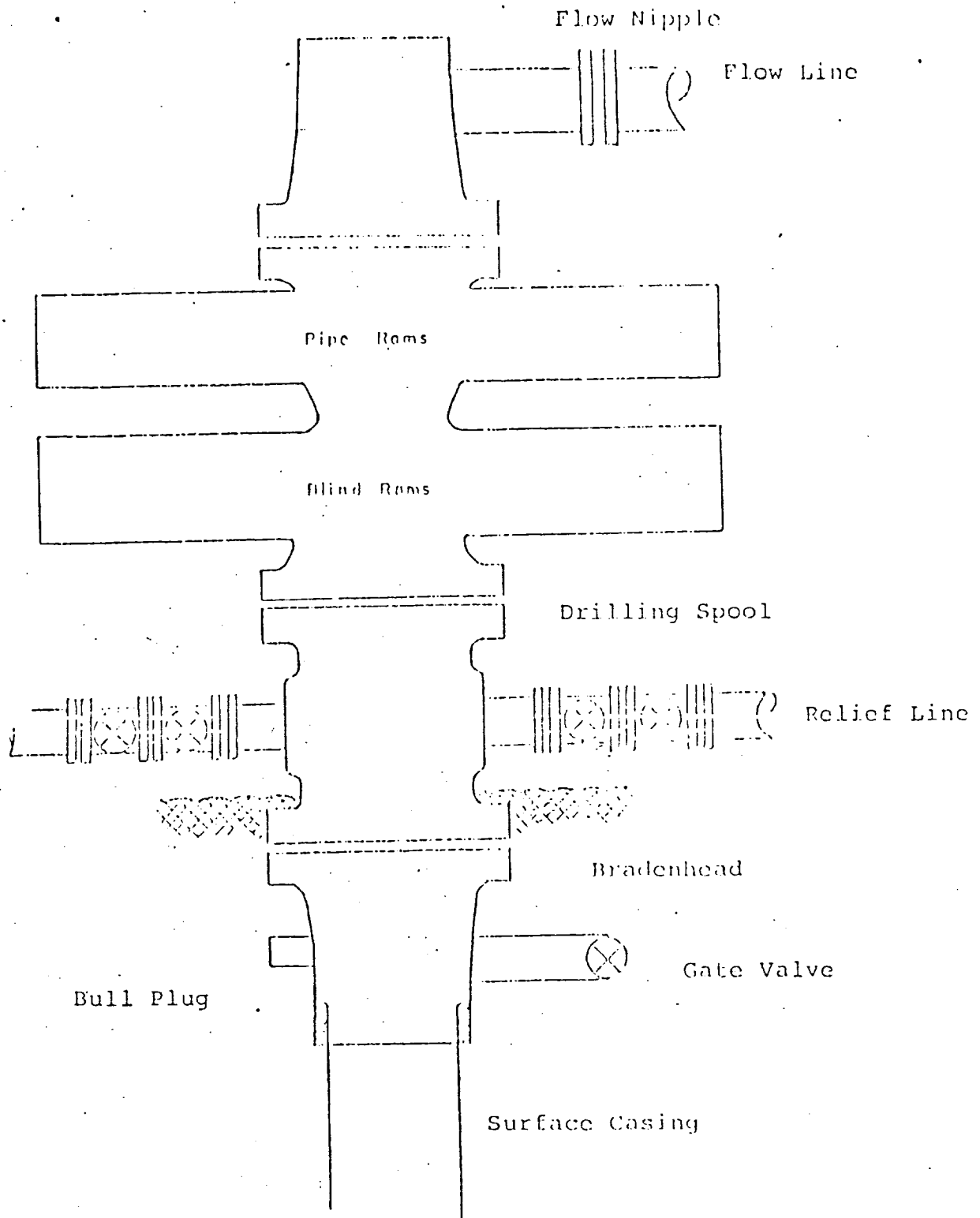
Project Drilling Engineer

E1 1050 Natural Gas Company
 Typical Location Plot for Richard Cliffs Well

6' Fill

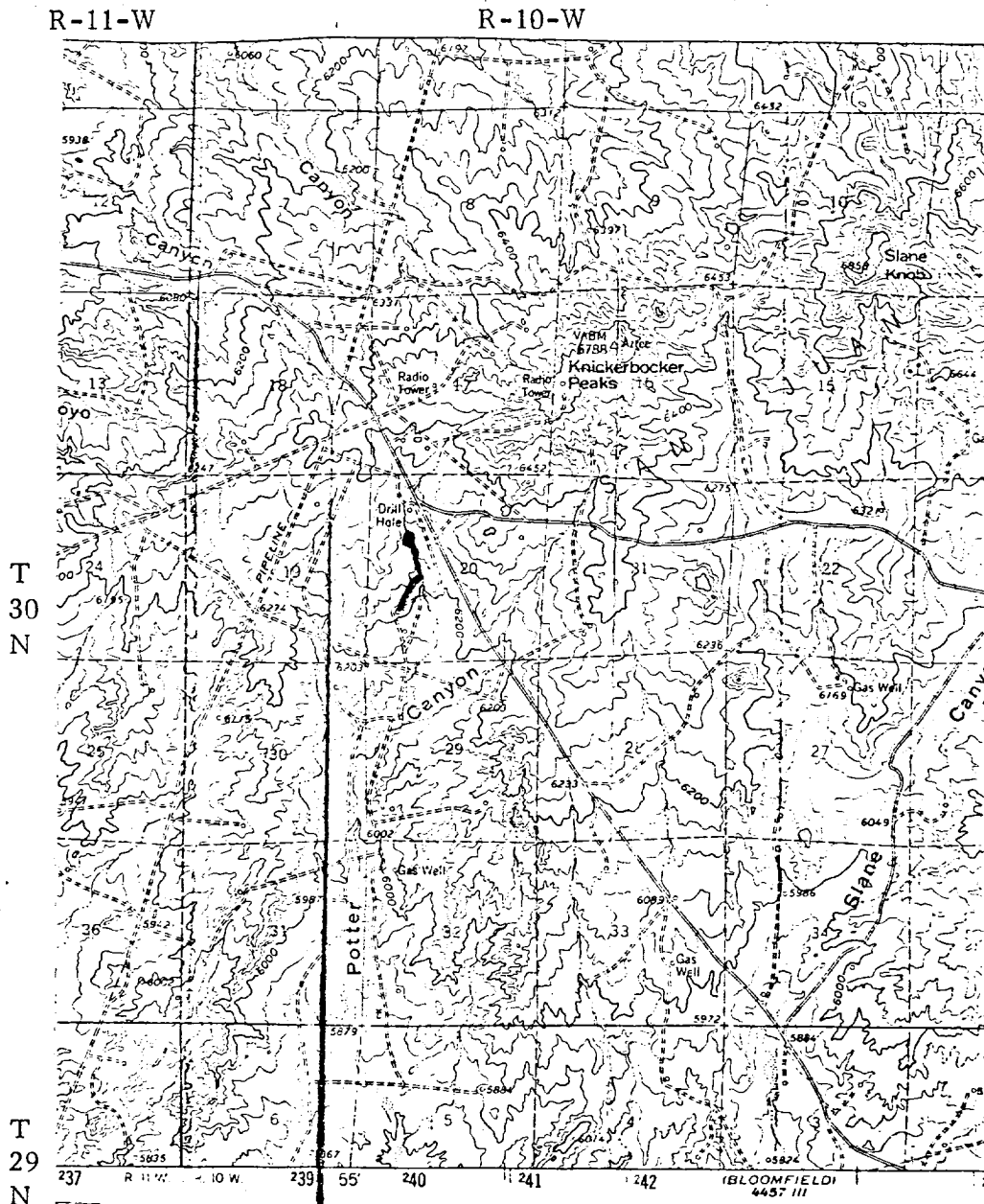


Typical Mud Drilled B.O.P. Installation
for Pictured Cliffs Well



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

El Paso Natural Gas Company
Gage # 1R
NW 20-30-10

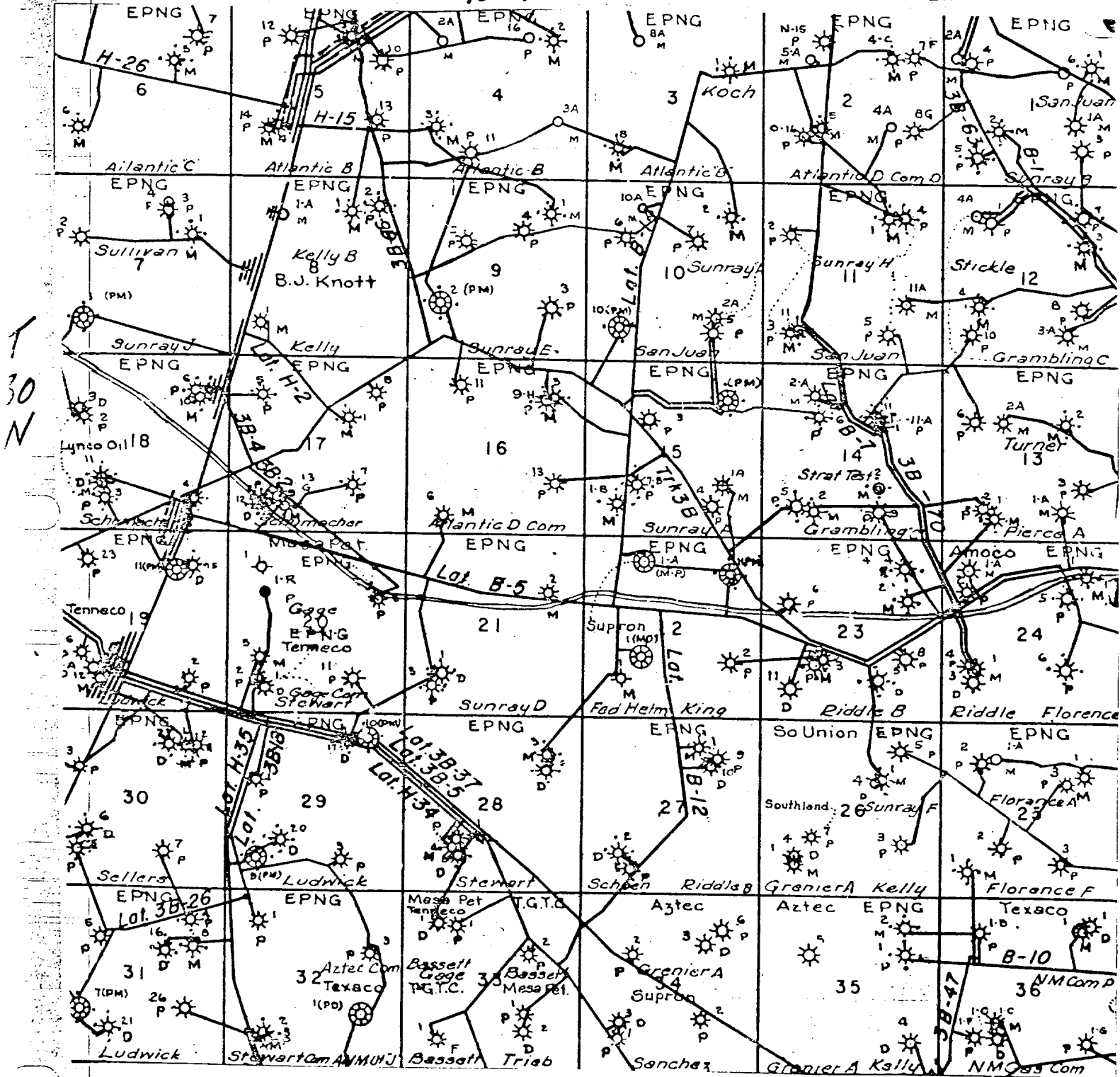


El Paso Natural Gas Company

Gage #1 R

NW 20-30-10

R-10-W



MAP 2

Proposed Location

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: 1750'N, 1090'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 ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) Name Change X

5. LEASE
NM 03563

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Gage

9. WELL NO.
3

10. FIELD OR WILDCAT NAME
Aztec Pictured Cliffs

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 20, T-30-N, R-10-W NMPM

12. COUNTY OR PARISH

San Juan

13. STATE

NM

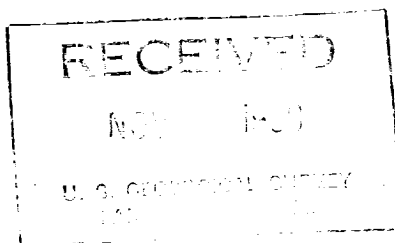
14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6273' GL

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

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.)*

The name originally assigned as the Gage #1R has been changed to the Gage #3



Subsurface Safety Valve: Manu. and Type

Set @

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

SIGNED

A. D. Brisco

TITLE Drilling Clerk

DATE

November 3, 1980

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NMCCC

*See Instructions on Reverse Side

BW