

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

1590'N, 1700'W
At proposed prod. zone

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

11 miles southeast of Navajo City, NM

15. DISTANCE FROM PROPOSED*

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

1590'

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

1700'

16. NO. OF ACRES IN LEASE

unit

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320.00 N/320

19. PROPOSED DEPTH

7855'

20. ROTARY OR CABLE TOOLS

Rotary

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

6518'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
17 1/2"	13 3/8"	48.0#	200'	278 cu.ft.circ.to surface
12 1/2"	9 5/8"	40.0#	3860'	664 cu.ft.cover Ojo Alamo
8 3/4"	7"	20.0#	3530-6160'	664 cu.ft.to circ. liner
6 1/4"	4 1/2"	10.5#&11.6#	5985-7855'	664 cu.ft.to circ. liner

Selectively perforate and sandwater fracture the Mesa Verde and
Dakota formations.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.

COPIES OF THIS PERMIT ARE
SUBMITTED TO THE STATE OF NEW MEXICO
GENERAL RECORDS DIVISION

The N/2 of Section 19 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. Lucio

TITLE

Drilling Clerk

DATE

11-12-80

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY

TITLE

DATE

NMOC

*See Instructions On Reverse Side

OIL CONSERVATION DIVISION

P. O. BOX 2088

STATE OF NEW MEXICO
OIL AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-78

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

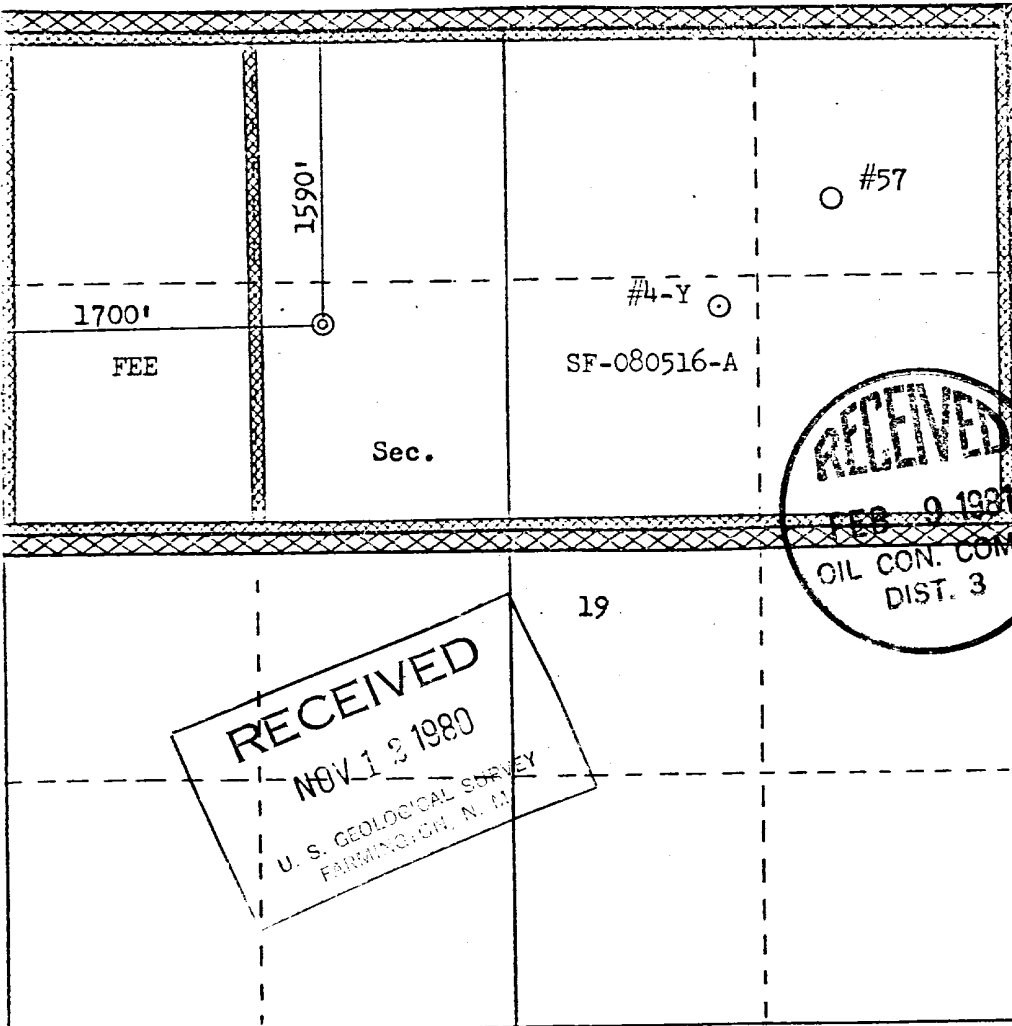
Operator EL PASO NATURAL GAS COMPANY			Lease SAN JUAN 28-5 UNIT (SF-080516-A)		Well No. 57M
Unit Letter F	Section 19	Township 28N	Range 5W	County Rio Arriba	
Actual Footage Location of Well: 1590 feet from the North line and 1700 feet from the West line					
Ground Level Elev: 6518	Producing Formation Mesa Verde-Dakota		Pool BLANCO MESA VERDE BASIN DAKOTA	Dedicated Acreage: 320.00 & 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.



Scale: 1"=1000'

CERTIFICATION

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

D. G. Briscoe
Name

Drilling Clerk

Position
El Paso Natural Gas Co.

Company
November 12, 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 is true and correct to the best of my knowledge and belief.

Date Surveyed

September 22, 1980

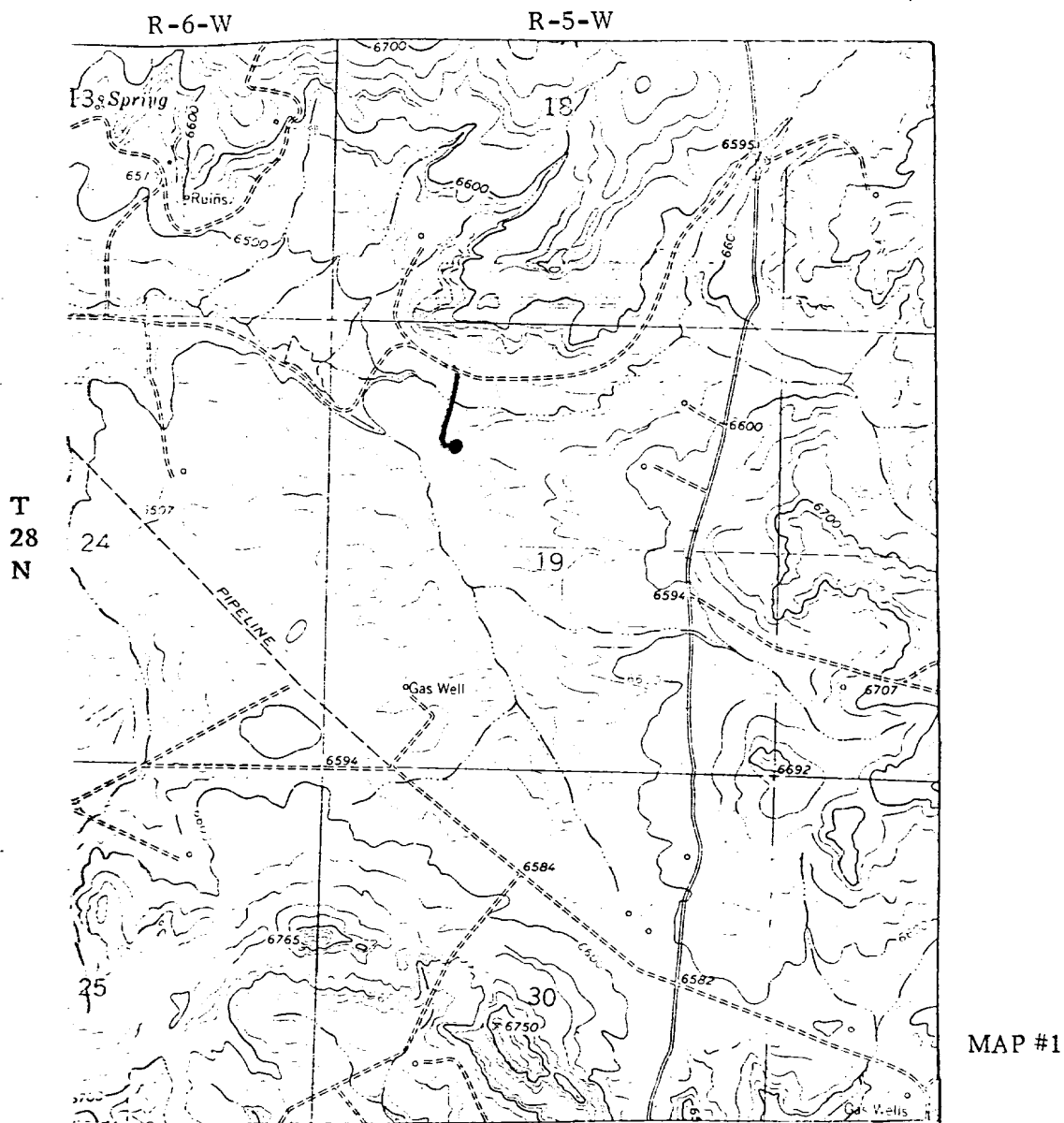
Registered Professional Engineer
and Land Surveyor

Fred B. Kerr Jr.
Fred B. Kerr Jr.

Certificate No.

3950

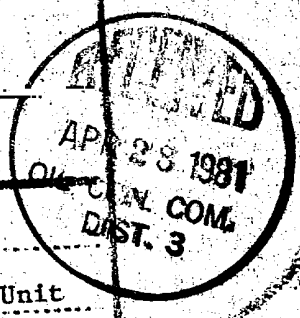
EL PASO NATURAL GAS COMPANY
 San Juan 28-5 Unit #57M
 NW 19-28-5



LEGEND OF RIGHT-OF-WAYS

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

WILSON SERVICE COMPANY TEMPERATURE SURVEY



COMPANY El Paso Natural Gas Co.
WELL 57-M LEASE San Juan 28-5 Unit
COUNTY Rio Arriba STATE New Mexico
SEC. 19 TWP. 28 RGE. 5

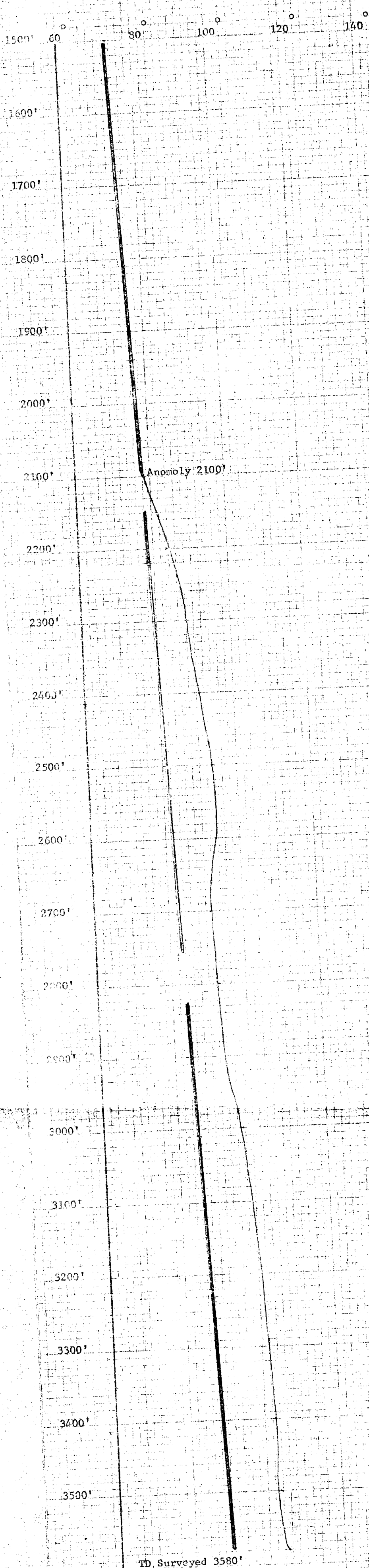
Unit F

APPROX. TOP CEMENT 2100'
Survey Begins at 1500' Ft. Ends at 3580' Ft.
Approx. Fill-Up Max. Temp.
Log measured from KB Run No. 1
Casing Size 9 7/8" from to Diam of Hole 12 1/2" to
Date of Cementing 4/18/81 Time 7:30 AM
Date of Survey 4/18/81 Time 1:00 PM
Amount of Cement 410 Sks Class B 65/35 Poz 6% Gel 3% CACL +
100 Sks Class B Neat 2% CACL
Recorded by Redmond Witnessed by

REMARKS OR OTHER DATA

Ojo Alamo 2620'

TEMPERATURE IN DEGREES FAHRENHEIT



TD Surveyed 3580'