

## NEW MEXICO OIL CONSERVATION COMMISSION

## Well Location and Acreage Diagram - Part

Section A.

Date **SEPTEMBER 15, 1961**

Operator **EL PASO NATURAL GAS COMPANY** Lease **LUDWICK** SF **078194**  
 Well No. **21** Unit Letter **N** Section **31** Township **30-N** Range **10-W**  
 Located **940** Feet From **SOUTH** Line, **1850** Feet From **WEST**  
 County **SAN JUAN** G. L. Elevation **6027** Delivered Acreage **306.40**  
 Section of Producing Formation **DAKOTA** Pool **BASIN DAKOTA**

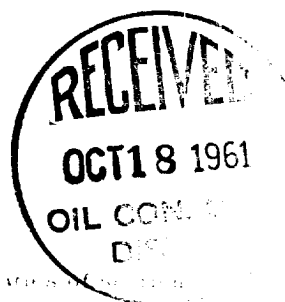
1. Is the Operator the only owner in the delineated acreage outlined on the plan below?

Yes ☒ No ☐2. If the answer to question one is "No", have the interests of all the owners been consolidated by common agreement or otherwise? Yes ☐ No ☐ If answer is "Yes", Type of Consolidation:

3. If the answer to question two is "No", list all the owners and their respective interests as follows:

Owner

Interest Described



Section B.

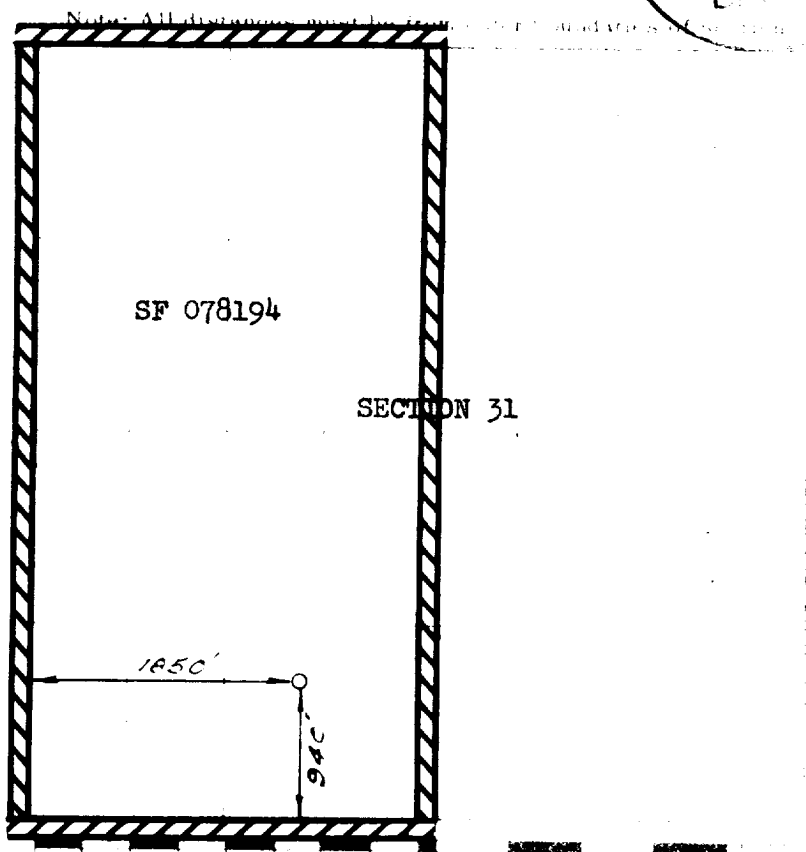
I hereby certify that the information in Section A above is true and complete to the best of my knowledge and belief.

**El Paso Natural Gas Company**  
 (Operator)

Original Signed **R. G. MILLER**  
 Representative

Address:

**El Paso Natural Gas Company**



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

Date of Report

**SEPTEMBER 8, 1961**

*David O. Wilson*  
 District Engineer

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Santa Fe  
Lease No. 078194  
Unit Ludwick

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 16, 1961

Well No. 21 is located 940 ft. from ~~xxx~~ [S] line and 1850 ft. from ~~xxx~~ [W] line of sec. 31

SW/4 Sec. 31  
(1/4 Sec. and Sec. No.)

30N  
(Twp.)

10W  
(Range)

N.M.P.M  
(Meridian)

Basin Dakota  
(Field)

San Juan  
(County or Subdivision)

New Mexico  
(State or Territory)



The elevation of the derrick floor above sea level is 6036 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

It is intended to drill a well with rotary tools using mud circulation through the Dakota formation and perforate and fracture possible producing zones. Est. Total Depth 7056'.

Casing Program:

- 10 3/4" Surface at 280' w/220 sacks cement - 100% excess to circulate.
- 4 1/2" Production string at 7056' cemented in 3 stages - 2 stage tool at 5000', three stage tool at 2600'.
- 1st Stage - 174 cu. ft. slurry - 50% excess to cover 100' above Greenhorn
- 2nd Stage - 500 cu. ft. slurry - 50% excess to cover 100' above Cliff House
- 3rd Stage - 585 cu. ft. slurry - 35% excess to cover Ojo Alamo.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company El Paso Natural Gas Company

Address Box 990

Farmington, New Mexico

By Original Signed R. G. MILLER

Title Petroleum Engineer