



(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.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	<div style="text-align: center;"> RECEIVED NOV 15 1961 U. S. GEOLOGICAL SURVEY FARMINGTON, NEW MEXICO </div>
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)

November 10, 1961

Well No. 21 is located 940 ft. from S line and 1850 ft. from W line of sec. 31
S.W. Section 31 30-N 10-W N.M.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Basin Dakota San Juan New Mexico
(Field) (County or Subdivision) (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)

On 11-5-61 Total Depth 7058'. Ran 223 joints 11.6# and 10.5# J-55 4 1/2" casing (7037') @ 7050'. 2nd stage tool @ 5971', 3rd stage tool @ 2518'. Cemented 1st stage w/75 sks regular w/1/4# gel, 1/4# fine tuff plug, 1/8# Flocele/sk., 0.4# HR-4 and 50 sks regular, 1/4# fine tuff plug plus 0.4# HR-4. Cemented 2nd stage w/210 sks regular, 8# gel, 1/2 cu. ft. Strata-Crete 6"/sk. Cemented 3rd stage w/500 sks 50/50 Pozmix, 1/8# Flocele/sk. Held 1500#/30 minutes.



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 D. W. Muehan
Title Petroleum Engineer