

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office San Antonio, Tex.Lease No. 978730Unit San Juan 3000 Unit

## SUNDRY NOTICES AND REPORTS ON WELLS

|                                                     |                                                 |
|-----------------------------------------------------|-------------------------------------------------|
| NOTICE OF INTENTION TO DRILL.....                   | 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)

Well 14, 19 60

Well No. 31-21 is located 1840 ft. from N line and 1090 ft. from E line of sec. 21  
SW/4 Sec. 21 30N 5W N.M.P.M.  
 (1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Blanco Mesa Verde San Arriba New Mexico  
 (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6745 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 thru the Mesa Verde formation. Mud circulation will be used thru the fractured cliffs and set intermediate casing. Gas circulation will be used thru the Mesa Verde and production liner will be set. Possible productive intervals will be perforated and fractured. Est. T. B. 50/51.

## Casing Program:

10 3/4" at 170' with 150 sacks cement circulated to the surface.

8 1/2" at 350' with 250 sacks cement.

6 1/2" liner at 5075' with 300 sacks cement.

The W/4 of Section 21 is dedicated to this well.

W/2 = W/2NW/4 - Santa Fe; E/2NW/4 &amp; SW/4 = SF 978730

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 CompanyAddress Box 971  
Fortington, New MexicoBy ORIGINAL SIGNED E. S. OBERLYTitle Petroleum Engineer

APRIL 14, 1960

EL PASO NATURAL GAS COMPANY

31-27

L

27

SAN JUAN 30-5 UNIT

SF 078738

1840

SOUTH

1090

30-N

5-W

RIO ARriba

6533

WEST

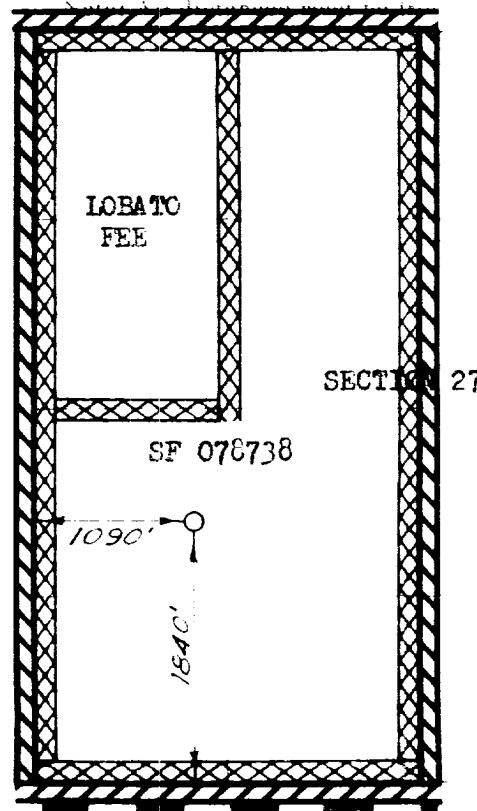
320

MESA VERDE

BLANCO MESA VERDE



ORIGINAL SIGNED E. S. OBERLY



APRIL 11, 1960

*Paul C. Wilson*