

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee  
Lease No. 14-20-604-1951

	X		

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	X	SUBSEQUENT REPORT OF WATER SHUT-OFF	RECEIVED FEB 17 1960 U. S. GEOLOGICAL SURVEY DURANGO, COLO.
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 REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING 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)

VERBAL APPROVAL RECEIVED FROM USES 2-15-60.

February 16, 1960

Horseshoe Ute

Well No. 37 is located 1900 ft. from <sup>N</sup> line and 2050 ft. from <sup>E</sup> line of sec. 27  
SE/4 NW/4 Section 27 31N 16W NMPM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Horseshoe Gallup San Juan New Mexico  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5574 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 through the Lower Gallup Formation using rotary tools and mud circulation. Possible productive intervals will be perforated and sandoil fractured. Estimated Total Depth 1615'.

Casing Program:

9-5/8" at 100' with 100 sacks cement circulated to surface.  
5-1/2" at 1615' with 100 sacks cement.

The SE/4 NW/4 of Section 27 is dedicated to this well.

SE/4 NW/4 Section 27 Navajo-Ute Tribal 14-20-604-1951



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 Products Company

Address Post Office Box 1565  
Farmington, New Mexico

ORIGINAL SIGNED BY: WILLIAM K. GLAZENER

By

Title Petroleum Engineer

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains.

...and the

...and the fact that the *in vitro* and *in vivo* results are in good agreement.

DATE: 12/11/2012

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Arar and Collins (1971) using a Shimadzu 1010 spectrophotometer. The concentration of chlorophylls was expressed as  $\mu\text{g mL}^{-1}$  of the sample.

COPIES DESTROYED BY WILLIAM K. GLASSER

NEW MEXICO OIL CONSERVATION COMMISSION

Well Location and Acreage Dedication Plat

Section A.

Date February 16, 1960  
Navajo-Ute Tribal

Operator El Paso Natural Gas Products Company Lease Horseshoe Ute 14-20-604-1951  
Well No. 37 Unit Letter F Section 27 Township 31 North Range 16 West NMP  
Located 1900 Feet From North Line, 2050 Feet From West Line  
County San Juan G. L. Elevation 5567 Dedicated Acreage 89.93 Acres  
Name of Producing Formation  Gallup  Pool  Horseshoe Gallup

1. Is the Operator the only owner\* in the dedicated acreage outlined on the plat below?  
Yes X No
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization 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 below:

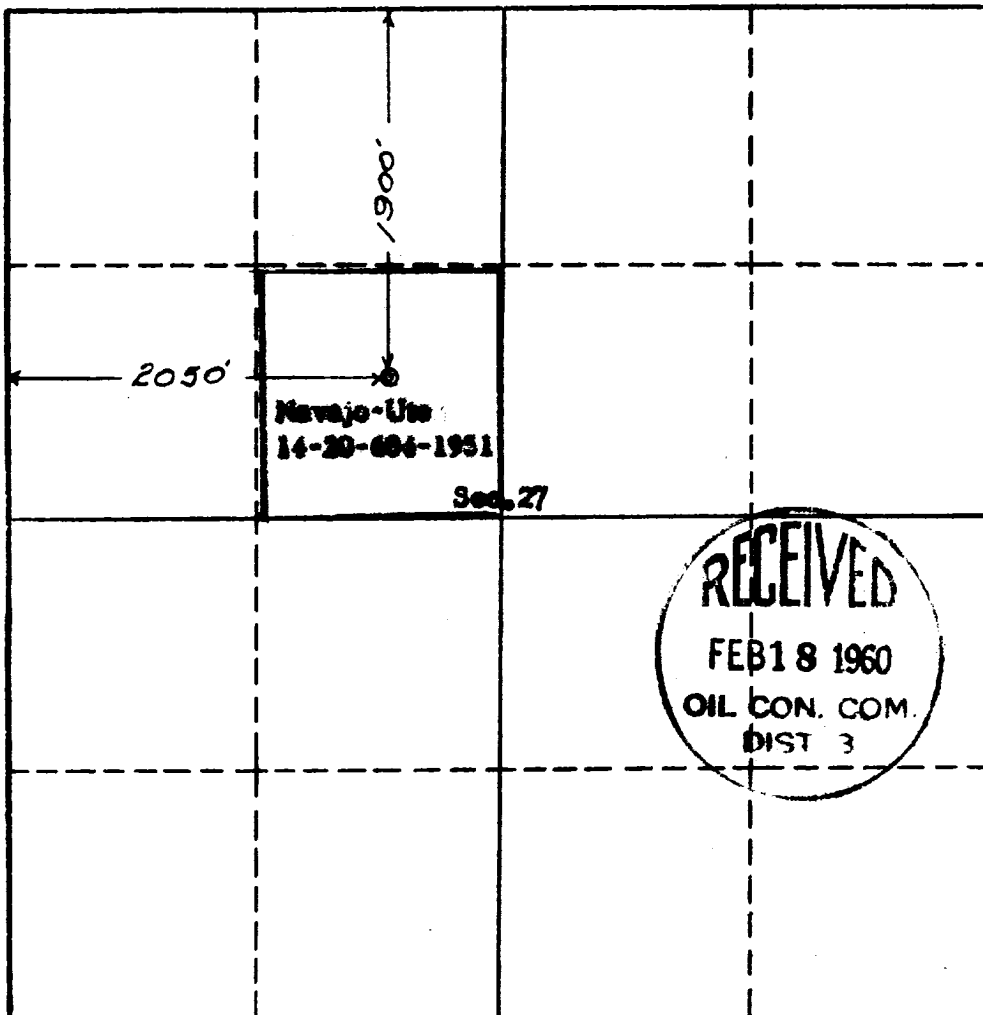
Owner

Land Description

RECEIVED  
FEB 17 1960

U. S. GEOLOGICAL SURVEY  
DURANGO, COLO.

Section. B



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

**El Paso Natural Gas Products Co.**

(Operator)

William K. Hagan  
(Representative)

Box 1565, Farmington, New Mexico

Address

This is to certify that the well location shown on the plat is correct as plotted from field notes of a real survey 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 Feb. 12, 1960

Ernest V. Echoshawk  
Ernest V. Echoshawk  
Registered Land Surveyor.

Certificate No. 1545