

**(SUBMIT IN TRIPLICATE)**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**Indian Agency** .....

**Havajo Tribal**

Allottee -----

Lease No. 14-20-603-2198


## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	<div style="text-align: center;"> <b>RECEIVED</b>  <b>AUG 15 1961</b> </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 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		U. S. GEOLOGICAL SURVEY

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

**Navajo Tribal WNW**

Farmington, New Mexico      August 11, 1961

Well No. 15 is located 510 ft. from S line and 2130 ft. from E line of Sec. 23

SW/4 SE/4 of Section 23 T-29-N R-14-W N.M.P.M.

Cha Cha Collins

322 323

New Mexico 6 1961  
(State or Territory)

(Field)

(County or Subdivision)

(State or Territory)

The elevation of the derrick floor above sea level is 5516 ft. (ADM)

## 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)

Core No. 1 5105-5137' - Recovered 32' as follows: 17' black shale with occasional sand laminations and vertically fractured and bleeds 5110-5123'; 2' shaly sand; 1' sand medium grained with fair porosity and permeability, gas bleeds and vertically fractured; 1' shaly sand with vertical fractures; 2' sand, medium grained with good porosity and permeability; 2' shaly sand; 2' sandy shale; 5' black shale.

Core No. 2 5137-5197' - Recovered 60' as follows: 41' black shale; 5' shaly sand; 14' black shale.

Set 4-1/2" casing at 5260' with 125 sacks cement containing 6 percent gel with 1-1/2 pounds Tuf Plug per sack and 75 sacks neat cement on bottom. Tested casing with 9000 psi for 15 minutes, which held with no indication of pressure drop.

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

Company Pan American Petroleum Corporation

Address **P. O. Box 480**

**Farmington, New Mexico**

Attn: L. O. Spear, Jr.

By \_\_\_\_\_ ORIGINAL SIGNED BY

Title **Area** **L. O. Speer, Jr.**  
**Superintendent**