

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Santa Fe  
Lease No. GF 077362  
Unit Hargrave Gas Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	<input checked="" type="checkbox"/>
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)

Hargrave Gas Unit

Farmington, New Mexico February 24, 1961

Well No. 1 is located 990 ft. from S line and 790 ft. from W line of sec. 4

Tw/4, Sw/4 Section 4  
( $\frac{1}{4}$  Sec. and Sec. No.)

T-27-N R-10-W  
(Twp.) (Range)

N.V.P.M.  
(Meridian)

Basin Dakota  
(Field)

San Juan  
(County or Subdivision)

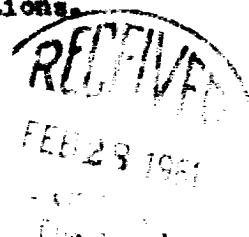
New Mexico  
(State or Territory)

The elevation of the derrick floor above sea level is 6005 ft. (RDB)

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)

Total depth 6565' — Ran Electric Log. Set 4½" casing at 6565' with 275 sacks 6 per cent gel cement containing 1½ pounds tuf plug per sack, followed by 100 sacks neat cement with 2 stage tool at 2092'. Cemented second stage with 150 sacks 6 per cent gel cement. Tested 4½" casing with 3000 psi on both stages which held with no indication of pressure drop. Drilled stage tool and cleaned out to 6523'. Displaced mud with water. Tested casing with 3000 psi for thirty minutes which held with no indication of pressure drop. Released rig February 8, 1961. Preparing for completion operations.



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 Box 480

Farmington, New Mexico

Attn: L. O. Spear, Jr.

By \_\_\_\_\_

Title Senior Petroleum Engineer