

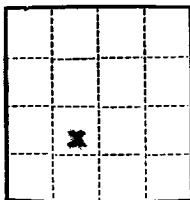
(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe

Lease No. SF-077966

Unit Gallegos Canyon Unit



RECEIVED

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	<u>Frac</u> <u>X</u>
NOTICE OF INTENTION TO ABANDON WELL			

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

Gallegos Canyon Unit

Farmington, New Mexico December 6, 1961

Well No. 116 is located 1830 ft. from XDB line and 1830 ft. from W line of sec 24

NE 1/4 SW 1/4 of Section 24 T-28-N R-13-W N.M.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Cha Cha Gallup San Juan New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5751 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)

Displaced water with oil and spotted 300 gallons breakdown acid over Gallup. Perforated Gallup with 8 shots per foot 5435-5440'. Fracked these perforations with spearhead of 2000 gallons oil with 75 pounds Adomite per 1000 gallons; 20,500 gallons oil containing 50 pounds Adomite Mark II per 1000 gallons and 20,000 pounds sand. Breakdown pressure 1500 psi; treating pressure 2900 psi; average injection rate 28 barrels per minute. Tubing landed at 5495. Completed as flowing Cha Cha Gallup field well December 1, 1961. Potential test 200 barrels per 24 hours on 15/64" choke, tubing pressure flowing 375 and casing pressure flowing 900.

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.

ORIGINAL SIGNED BY

By R. M. Bauer, Jr.

Title Senior Petroleum Engineer