



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. SP-077966
Unit Gallegos Canyon Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	<u>4-1/2"</u>	<u>X</u>
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>core, 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 August 3, 19 61

Well No. 97 is located 810 ft. from N line and 800 ft. from W line of sec. 23

NW/4 NW/4 of Section 23 T-26-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 6083 ft. (RDB)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work)

Core No. 1 5703-5751' -- Recovered 48' as follows: 6' shale with occasional thin shaly sand partings; 2' sandy shale; 3' shaly sand with shale nodules and partings, tight; 8' sand, fair to good porosity and permeability good odor and bleed; 1' shaly sand with shale partings, tight; 1' sandy shale; 27' shale.

Core No. 2 5751-5793' -- Recovered 42' as follows: 17' shale; 5' sandy shale; 3' very shaly sand to shaly sand; 11' sand, good odor and bleed, vertically fractured 5777-5778'; 2' shaly sand; 4' shale.

Drilled 7-5/8" hole to 5887'. Set 4-1/2" casing at 5876' with 125 sacks of cement containing 6 percent gel with 1-1/2 pounds tuf plug per sack and 75 sacks neat cement. Tested casing with 3000 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. (see reverse side)

Company Pan American Petroleum Corporation

Address P. O. Box 480

Farmington, New Mexico

Attn: L. O. Speer, Jr.

ORIGINAL SIGNED BY
R. M. Bauer, Jr.

By _____
Title Senior Petroleum Engineer

Total depth 5887' plug back depth 5640'. Run correlation log. Perforated lower Gallup with 7 shots per foot 5784-5798'. Sand oil fracked with 16,150 gallons oil containing 50 pounds Adomite Mark II per 1000 gallons and 15,000 pounds of sand. Pressures were: breakdown 2100-1600 psi; maximum treating 3150 psi; minimum treating 3000 psi; average treating 3025 psi. Average injection rate 30 barrels per minute. Dropped junk basket and perforated upper Gallup with 8 shots per foot 5726-5732' and retrieved junk basket. Sand oil fracked upper Gallup with 17,400 gallons of oil containing 75 pounds Adomite Mark II per 1000 gallons and 20,000 pounds sand. Pressures were: breakdown 2400-2000 psi; maximum treating 3350 psi; minimum treating 3100 psi; average treating 3200 psi. Average injection rate 27 barrels per minute. Currently testing well.

Potential test to be reported on final log.