



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office **Sante Fe**  
Lease No. **SF 078904**  
Unit **Gallegos Canyon Unit**

SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED

FEB 10 1959

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.....
NOTICE OF INTENTION TO ABANDON WELL.....	

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

Gallegos Canyon Unit

Farmington, New Mexico February 9, 1959

Well No. **83** is located **990** ft. from **N** line and **990** ft. from **E** line of sec. **26**

**NE 1/4 of Section 26** **T28N** **R12W** **N.M.P.M.**

**Undesignated Gallup & Dakota** **San Juan** **New Mexico**

The elevation of the derrick floor above sea level is **5817** 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)

Gallegos Canyon Unit Well No. 83. Moved in completion unit on January 15, 1959 and perforated Dakota with four shots per foot 6280-6294. Baker R-3 packer was set at 6204. Swabbed hole dry to 6200'. Acidized with 500 Gallons 15% mud clean out agent. Breakdown pressure 2300-1800 pounds. Treating pressure 2000 pounds. After 300 gallons acid injected pressure broke from 2000 to 800 pounds with treating pressure 1000 pounds during last 200 gallons, average injection rate 2 barrels per minute. Swabbed and flowed 15-1/2 hours with steady gas rate 182 MCPPD. Unset Packer and spotted 500 gallons 15% mud clean out agent on bottom. Pulled tubing and packer. Perforated Dakota formation with four shots per foot 6200-6230. Sand-water fracked with 30,000 gallons water and 20,000 pounds sand, followed by 10,000 pounds sand. 25 gallons Hyflo in first 100 barrels free water. Formation broke at 2000 to 1500 pounds. Treating pressure 1950 pounds. Average injection rate 52 barrels per minute. Flowed well for 23 hours with preliminary test 3006 MCPPD.

I understand that this plan of work must receive approval in writing by the Geological Survey (See reverse side).

Company **Pan American Petroleum Corporation**

Address **Box 487**

**Farmington, New Mexico**

ORIGINAL SIGNED BY

By **R. M. Bauer, Jr.**

Title **Field Engineer**

Set retrievable bridge plug at 5705'. Spotted 500 gallons MVA on bottom. Tested bridge plug with 2000 pounds which held with no drop in pressure. Perforated Gallup with two shots per foot 5548-5630. Sand-oil tracked with 50,000 gallons oil and 75,000 pounds sand. Formation broke at 1250 pounds. Treating pressure 1700-1900 pounds. Average injection rate 50 barrels per minute. Used one batch 40 perforated ball sealers midway thru treatment. Ran Baker Model "M" production packer and set at 6110. 2" Dakota tubing was set at 6206' and 2" Gallup tubing was set at 5632'. Preliminary test designated Dakota 1250 MOPP on February 2, 1959. Potential test designated Gallup February 6, 1959, flowed 89 barrels oil in 8 hours on 3/4" choke. Flowing tubing pressure 50 pounds, flowing casing pressure 200 pounds. Well finally completed as shut in gas well undesignated Dakota field and flowing oil well undesignated Gallup field on February 6, 1959. Shut in Dakota tubing pressure 2050 pounds held steady through out Gallup test indicating packer holding satisfactorily.