



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

New Mexico

Land Office

Lease No. **NM 05859**

Unit **L. S. Swartz**

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	JUL 29 1959
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	X
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)

L. S. Swartz

Farmington, New Mexico July 28, 1959

Well No. **1** is located **560** ft. from **S** line and **660** ft. from **W** line of sec. **13**

SW/4 of Section 13
(1/4 Sec. and Sec. No.)

T-3D-N
(Twp.)

R-16-W
(Range)

N.M.P.M.
(Meridian)

Horseshoe Gallup
(Field)

San Juan
(County or Subdivision)

New Mexico
(State or Territory)

The elevation of the derrick floor above sea level is **5359** 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)

L. S. Swartz Well No. 1 - perforated Lower Gallup with two shots per foot 3838-3842. Attempted to free with 3400 pounds with no breakdown. Spotted 250 gallons breakdown acid. Attempted to sand oil free Lower Gallup and could not break down at 3100 pounds. Re-perforated Lower Gallup with two shots per foot 3838-3842. Attempted to sand oil free Lower Gallup and could not breakdown at 3200 pounds. Acidized with 250 gallons breakdown acid. Breakdown pressure 3000-1800, treating pressure 1400, injection rate 5 barrels per minute. Sand oil fracked with 33,000 gallons oil and 45,000 pounds sand. Breakdown pressure 1900-1300 pounds, average treating pressure 1750 pounds, average injection rate 55 barrels per minute. Perforated Upper Gallup with 2 shots per foot 3756-3790. Set bridge plug at 3820. Sand oil fracked with 28,000 gallons oil and 30,000 pounds sand. Breakdown pressure 3000-1500 pounds, treating pressure 2400-1750 pounds, average treating pressure 1800 pounds, average injection rate 50 barrels per minute. Retrieved bridge plug. Landed 2" tubing 3864. Completed as flowing oil well Horseshoe Gallup Field July 27, 1959. Potential test flowed 82 barrels oil in 16 hours thru open 2" tubing at rate of 110 barrels oil per day.

Company **Pan American Petroleum Corporation**

Address **Box 487**

Farmington, New Mexico

Attn: **L. S. Spear, Jr.**

ORIGINAL SIGNED BY

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

Title **Area Engineer**