

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency

Navajo Tribal

Allottee

Lease No. **14-20-603-2199**
Navajo Tribal "E"

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 REDRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF REDRILLING 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)

U. S. GEOLOGICAL SURVEY
WASHINGTON, D. C.

Navajo Tribal "E"

Farmington, New Mexico September 7, 1961

Well No. **2** is located **1700** ft. from **[S]** line and **835** ft. from **[E]** line of sec. **11**

NE/4 SE/4 of Section 21 T-29-N R-14-W N.M.P.M.

(1/4 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

Undesignated Gallup

San Juan

New Mexico

(Field)

(County or Subdivision)

(State or Territory)

The elevation of the derrick floor above sea level is **5599** 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)

We propose to stimulate the lower Gallup zone in the above well as follows:

1. Kill well and tag-up on bottom.
2. Run gamma ray correlation log and slot casing at 5199 electric log measurement with McCullough Triple Free Notch Cutter.
3. Run 2-7/8" frac tubing with packer to set between perforated intervals and permit stimulating lower zone.
4. Spot 200 gallons BDA down tubing and set packer at about 5175'.
5. Fill casing annulus and pump 50 barrels oil down tubing watching annulus pressure to check for communication.
6. Frac with 10,000 gallons Petrojel containing 15 pounds Y-3 additive and 50 pounds Adomite Mark II per 1,000 gallons and 10,000 pounds 20-40 mesh sand.
7. Let pressure stabilize, open well for flow back, and wash-in to test lower zone.

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

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

Title **Senior Petroleum Engineer**

8. After lower zone productivity is established, tubing and packer
will be pulled and well completed to produce from both zones.