

(SUBMIT IN TRIPLICATE)

Indian Agency _____

Navajo Tribal

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

Allottee _____

Lease No. **14-20-603-2196**

			X

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	4-1/2"	X
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.....	Core, Frac	X
NOTICE OF INTENTION TO ABANDON WELL.....			

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

Navajo Tribal "H"

Farmington, New Mexico July 11, 1961

Well No. **9** is located **570** ft. from **[N]** line and **670** ft. from **[E]** line of sec. **23**

NE/4 NE/4 of Section 23 T-29-N R-14-W N.M.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

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

The elevation of the derrick floor above sea level is **5317** 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)

Core No. 1 4955-5005'. Recovered 50' as follows: 18' shale and occasional sand partings; 1' shaly sand and shale partings; 3' sand with occasional shale nodules throughout; 1' sandy shale; 27' shale with occasional thin shaly sand partings.

Total depth 5118 plug back depth 5074. Set 4-1/2" casing at 5108' with 125 sacks of cement containing 6 percent gel and 1-1/2 pounds medium tuf plug per sack followed by 75 sacks neat cement. Tested 4-1/2" casing with 3000 psi for 15 minutes, which held with no indication of pressure drop.

Run correlation log. Sand oil fracked with 19,800 gallons of oil containing 50 pounds Adomite Mark II with 5 gallons FR-1 per 1000 gallons and 15,000 pounds sand. Pressures were: Breakdown 2100-1800 psi, maximum treating 2600 psi, minimum treating 2400 psi, average treating 2500 psi. Instant shut in pressure 1000 psi, injection

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**

(see reverse side)

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**

rate 29 barrels per minute, 5 minute shut in pressure 900 psi, 30 minute shut in pressure 800 psi. Currently testing well.