

(SUBMIT IN TRIPLICATE)

Indian Agency _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Navajo Tribal _____

Allottee _____

Lease No. **I-149-IND-8185**

X		

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)

Navajo "C"

Farmington, New Mexico April 29, 1959

Well No. **1** is located **710** ft. from **[N]** line and **990** ft. from **[W]** line of sec. **1**

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

T-29-N
(Twp.)

R-17-W
(Range)

N.M.P.M.
(Meridian)

Wilcox Paradox
(Field)

San Juan
(County or Subdivision)

New Mexico
(State or Territory)

The elevation of the derrick floor above sea level is **4976** ft.

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)

Navajo "C" Well No. 1. Perforated Mississippian with four shots per foot 6981-6993. Acidized perforations 6981-6993 with 300 gallons 7-1/2% bromine acid. Bromine pressure 1400 psi, treating pressure 2400-1900 psi, average injection rate 1-1/2 barrels per minute. Well did not kick off. Shooked 27 barrels lead water, 12 barrels acid water and 11 barrels fluid in 12 hours. Re-acidized perforations 6981-6993 with 1500 gallons 12% acid. Maximum treating pressure 1750 psi, average treating pressure 1200 psi. Well flowed back 27 barrels lead water and died. Shooked 11-1/2 hours and recovered 139 barrels fluid, 36 barrels acid water, 34 barrels salt water and 69 barrels oil. Perforated Mississippian with four shots per foot 7002-7014 with link jets. Displaced mud with water and set packer at 6993'. Shooked 30 barrels oil with 75 barrels salt water in 24 hours. Pulled tubing and packer. Set bridge plug at 6910 capped with 10 feet of cement and tested with 1000 pounds which held up. (See reverse side.)

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**

Address **Box 487**

Farmington, New Mexico

ORIGINAL SIGNED BY
R. M. Bauer, Jr.

By _____

Title **Field Engineer**



Porterford Paradox with four slots per foot 6364-6398. Spotted acid and set
pressure 3100 psi, average breaking pressure 1750 psi, average
injection rate 2 barrels per minute. Opened well and bled off and flowed
36 barrels acid water, 25 barrels lead water, 255 barrels oil. Killed well
and pulled tubing and packer. No tubing was set at 6364'. Reopened and
with oil and well came in. Shut in and released rig on April 21, 1959.
Completed as shut in Paradox discovery gas well April 21, 1959. Gas gauged
9000 MCFD on 30/64" choke with tubing pressure flowing 1450 psi. Produced
125 barrels oil with 15 barrels salt water in 27-1/2 hours at rate of 109
barrels oil per day with 15 barrels salt water per day. Gas oil ratio 62,569.
Distillate gravity 68.3 - 71.7 degrees API.