



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYLand Office Santa Fe
Lease No. 3F-080912
Unit Wood Oil Unit

SUNDRY NOTICES AND REPORTS ON WELLS

AUG 10 1961

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 <u>Free, core</u>
NOTICE OF INTENTION TO ABANDON WELL.....	

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

Wood Oil Unit

Farmington, New Mexico August 14, 1961

Well No. 1 is located 990 ft. from SW line and 660 ft. from E line of sec. 17SE/4 SE/4 of Section 17
($\frac{1}{4}$ Sec. and Sec. No.)T-29-N
(Twp.)R-14-W
(Range)N.M.P.M.
(Meridian)Cha Cha Gallup
(Field)San Juan
(County or Subdivision)New Mexico
(State or Territory)The elevation of the derrick floor above sea level is 5174 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 4610-4652' - Recovered 42' as follows: 3' shale and sand laminations; 1' sand with tight and fine grain; 21' black shale; 3' sandy shale; 1' sand with shale nodules; 2' sand medium grained with fair porosity and permeability; 1' shaly sand; 1' sand, clean, good porosity and permeability; 1' sand with shale streaks; 2' sand with good porosity and permeability; 1' sand with shale streaks; 2-1/2' sand with fair porosity and permeability; 2-1/2' shale with occasional sand streaks. Vertical fractured 4610-13', 4623-25', 4626-39', and 4646-47'.

Core No. 2 4652-4700' Gallup - Recovered 48' as follows: 37' sandy shale; 4-1/2' tight shaly sand; 6-1/2' shale. Vertical fractures 4656-4664', 4667-4688' and 4699-4700'.

Ran 4-1/2" casing at 4773' with 125 sacks 6 percent gel cement containing 1-1/2

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 480Farmington, New MexicoAttn: L. O. Speer, Jr.ORIGINAL SIGN
L. O. Speer, Jr.

By _____

Title Area Superintendent

pounds medium Tur Plug per sack followed by 75 sacks neat cement. Tested casing with 9000 psi for 15 minutes, which held with no indication of pressure drop.

Triple notch cut at 4692'. Sand oil fracked with 21,042 gallons of oil with 50 pounds per 1000 gallons Adconite Mark II with 15,000 pounds sand. Pressures were: breakdown 2300 psi, maximum treating 3200 psi, minimum treating 2500 psi, average treating 2800 psi. Average injection rate 26.6.

Potential test August 12, 1961, flowed 246 barrels of oil per day on 18/64" choke. Tubing pressure flowing 630 psi and casing pressure flowing 1070 psi. Estimated allowable 222 barrels of oil per day effective August 10, 1961.