



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYLand Office Santa Fe  
Lease No. SF-000844  
Unit T. L. Rhodes

## SUNDRY NOTICES AND REPORTS ON WELLS

|                                                |                                                   |          |
|------------------------------------------------|---------------------------------------------------|----------|
| NOTICE OF INTENTION TO DRILL                   | SUBSEQUENT REPORT OF WATER SHUT-OFF <u>1-1/2"</u> | <u>X</u> |
| 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>Frac</u>            | <u>X</u> |
| NOTICE OF INTENTION TO ABANDON WELL            |                                                   |          |

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

T. L. Rhodes

Farmington, New Mexico June 10, 1963Well No. 1 is located 2000 ft. from N line and 1900 ft. from W line of sec. 302-4 NE/4 Section 30  
(1/4 Sec. and Sec. No.)T-23N  
(Twp.)R-11W  
(Range)N.P.M.  
(Meridian)Gallup  
(Field)San Juan  
(County or Subdivision)New Mexico  
(State or Territory)The elevation of the derrick floor above sea level is 5950 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)

Core No. 1 - 5745'-5757' (Gallup). Cut 12' of black shale and vertical frac and scattered thin sand laminations.

Core No. 2 - 5757'-5770'. Cut 21' and core barrel jammed. Recovered 21' of black shale, vertical frac, and scattered thin sand laminations.

Core No. 3 - 5778'-5798'. Cut 20' and recovered 19' as follows: 11' of shale, black vertical frac, and scattered thin sand laminations; 5' of alternating sand and shale laminations 1/2 to 1' thick; 3' of sand, tight, shy, stain and odor with no bleed.

Core No. 4 - 5798'-5835'. Cut 37' and recovered 37' as follows: 5' of sand, tight, thin shale partings, slight stain and bleed; 1' of shale, black; 2' of sand shale nodules throughout, fair porosity; 16' of shale, black; 6' of sand, fair porosity, stain, odor, bleeding gas, vertical frac, scattered shale partings; and 7' of shale, black.

Drilled to a total depth of 5878' and landed 1-1/2" casing at 5878'. Casing cemented

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

(SEE REVERSE)

Company Pan American Petroleum CorporationAddress P. O. Box 480Farmington, New MexicoAttn: L. O. Speer, Jr.

By

Title Petroleum Engineer

In 2 stages; cemented first stage with 125 sacks of cutt strength and 45 gal with 1-1/2# Red. The plug per sack, followed by 75 sacks of neat cutt strength. Tested casing to 3000' and cemented second stage with 150 sacks cutt strength with 45 gal. milled out two stage tool and cleaned out to 5840'.

Spotted 500 gals. 15% mud cement acid. An correlation log and perforated 5815'-5819' with 6 shots per foot and 5781'-5796' with 4 shots per foot. Sand- oil treated with 2000 gals. with 75# Adonite Mark II per 1000 gals. and 5# FR-1 per 1000 gals. followed 30,200 gals. containing 50# Adonite Mark II per 1000 gals., 5# FR-1 per 1000 gals. and 30,000/ 20-40 sand. The breakdown pressure was 1800. The average treating pressure was 2700. Average injection rate was 31 BPM. The instant shut in pressure was 1050, after 5 minutes 900, after 10 minutes 850, and after 1 hour 670.

Well shut in for pressure buildup prior to testing.