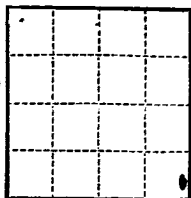


(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency _____
Navajo Rock _____
Allottee Navajo Tribal _____
Lease No. 11-20-603-731 _____



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL Water Supply Well 1	SUBSEQUENT REPORT OF WATER SHUT-OFF	RECEIVED OCT 2 1962 U. S. GEOLOGICAL SURVEY FARMINGTON, NEW MEXICO
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)

October 1, 1962

Horseshoe Gallup Unit
Well No. **2-W** is located **369** ft. from **N** line and **61** ft. from **E** line of sec. **30**
SE 1/4 Sec. 30 (1/4 Sec. and Sec. No.) **11-N** (Twp.) **16-W** (Range) **RPM** (Meridian)
Water Supply Well (Field) **San Juan** (County or Subdivision) **New Mexico** (State or Territory)

The elevation of the **Ground** above sea level is **5436** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding and cementing points, and all other important proposed work)

We propose to drill this water supply well to furnish injection water for the Horseshoe Gallup Unit Waterflood Project. Total depth will be approximately 2650' to penetrate 700' of Morrison formation. 100' of 13 1/8" O.D. 40# surface casing will be set and cemented to surface. 8 5/8" O.D. 28# production casing will be set to T.D. and cement brought above the Gallup producing sands. Completion will be through casing perforations in the Morrison. Stimulation will probably not be necessary. Estimated maximum water production from this well is 20,000 MGD. This well was included in the Plan of Development and Operation which was submitted July 25, 1962.

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

Company **The Atlantic Refining Company**

Address **P. O. Box 2197**

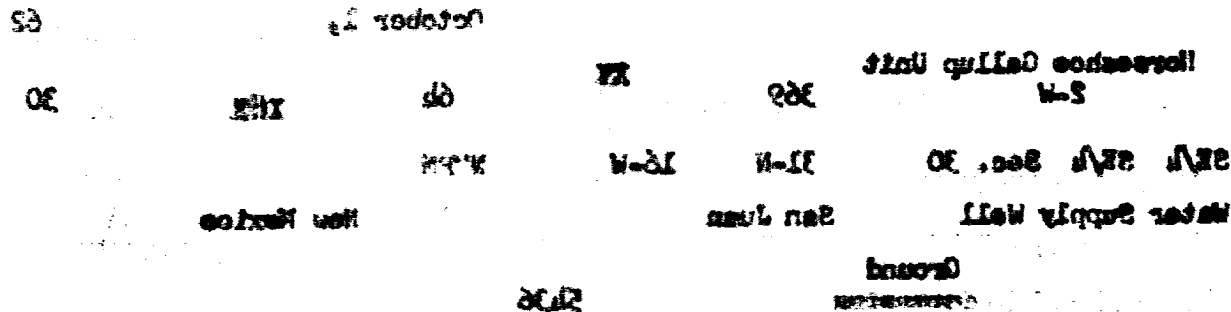
Farmington, New Mexico

By

B. J. Sartain
Title **Drilling & Production Supervisor**

Revised 11-1-51
 11-1-51

Water Supply Well I



We propose to drill this water supply well to furnish injection water for the
 Huron Gullup Unit waterflood project. Total depth will be approximately
 300' to penetrate 100' of Huron formation.
 100' of 13 3/8" O.D. 15# surface casing will be set and cemented to surface.
 8 1/2" O.D. 20# production casing will be set to 75'. and cement brought above
 the Gullup producing sands. Completion will be through casing perforations in
 the Huron. Stimulation will probably not be necessary. Estimated minimum
 water production from this well is 10,000 BPD.
 This well was included in the plan of development and operation which was
 submitted July 22, 1951.

The Atlantic Refining Company

P. O. Box 2197

Washington, New Mexico

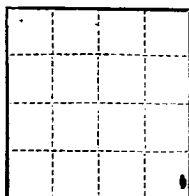
Drilling & Production Supervisor

Handwritten signature: B. J. Gantman

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency _____
_____ Indian Rock
Allottee Navajo Tribal
Lease No. 14-20-603-731



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL <u>Water Supply Well X</u>	SUBSEQUENT REPORT OF WATER SHUT-OFF	<div style="border: 1px solid black; padding: 5px; text-align: center;"> RECEIVED OCT 1 1962 U. S. GEOLOGICAL SURVEY WASHINGTON, D. C. </div>
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)

October 1, 1962

Horseshoe Gallup Unit
Well No. 2-W is located 369 ft. from S line and 61 ft. from E line of sec. 30
SE/4 SE/4 Sec. 30 31-N 16-W N.T.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Water Supply Well San Juan New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the Ground ~~surface~~ above sea level is 5136 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding and cementing points, and all other important proposed work)

We propose to drill this water supply well to furnish injection water for the Horseshoe Gallup Unit Waterflood Project. Total depth will be approximately 2650' to penetrate 700' of Morrison formation. 100' of 13 3/8" O.D. 48# surface casing will be set and cemented to surface. 8 5/8" O.D. 28# production casing will be set to T.D. and cement brought above the Gallup producing sands. Completion will be through casing perforations in the Morrison. Stimulation will probably not be necessary. Estimated maximum water production from this well is 10,000 BPD. This well was included in the Plan of Development and Operation which was submitted July 25, 1962.

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

Company The Atlantic Refining Company

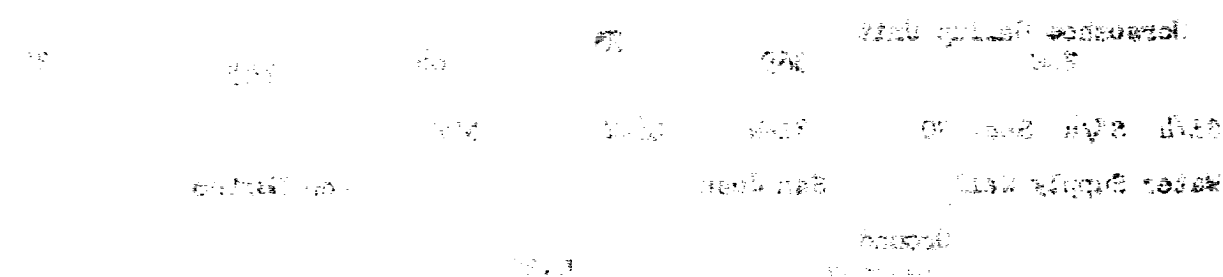
Address P. O. Box 2197

Farlington, New Mexico

By B. J. Sartain

Title Drilling & Production Supervisor

Water Supply



The purpose of this report is to provide information on the water supply situation in the Washington, D.C. area. The report is based on data collected from various sources, including the U.S. Geological Survey, the District of Columbia Department of Public Works, and the Metropolitan Waterworks and Sewerage Board. The data shows that the water supply in the Washington, D.C. area is generally adequate, but there are some concerns about the future. The population in the area is growing, and the water supply is expected to be strained in the future. The report recommends that the Metropolitan Waterworks and Sewerage Board should take steps to increase the water supply, such as by building new water treatment plants and by conserving water.

The following table shows the water supply situation in the Washington, D.C. area.

Washington, D.C.
Water Supply

Water Supply

Washington, D.C.

NEW MEXICO OIL CONSERVATION COMMISSION

Well Location and Acreage Dedication Plat

Section A.

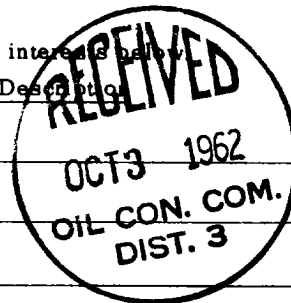
Date September 27, 1962

Operator ATLANTIC REFINING COMPANY Lease El Arroyo Gallup Unit Unit
 Well No. 1300 Unit Letter P Section 30 Township 31 NORTH Range 16 WEST NMPM
 Located 369' Feet From the SOUTH Line, 64' Feet From the EAST Line
 County SAN JUAN G. L. Elevation 5436.0' Dedicated Acreage • Acres
 Name of Producing Formation Harrison (Water Source) Pool •

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?
 Yes X No • As Part of Arroyo Gallup Unit
2. If the answer to question one is "no", have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes • No •. If answer is "yes", Type of Consolidation.
3. If the answer to question two is "no", list all the owners and their respective interests below.

Owner

Land Description



Section B.

Note: All distances must be from outer boundaries of section.

This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

The Atlantic Refining Co.

(Operator)

B. J. Sartin

(Representative)

P. O. Box 2197

(Address)

Farmington, New Mexico

30

N

64'
369'

0 330 660 990 1320 1650 1980 2310 2640 2000 1800 1000 800 0

Scale 4 inches equal 1 mile

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

(Seal)

Date Surveyed 21 September 1962

James P. Leese
 Registered Professional Engineer and/or Land Surveyor
 James P. Leese, N. Mex. Reg. No. 1463

Farmington, New Mexico