



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Indian Agency \_\_\_\_\_  
Window Rock \_\_\_\_\_  
Allottee Navajo Tribal  
Lease No. 14-20-603-734

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			

RECEIVED

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

OCT 24 1958

U. S. GEOLOGICAL SURVEY  
DIST. NEW MEXICO

Well No. 7 is located 1980 ft. from N line and 2067 ft. from W line of sec. 30

SE SW Sec. 30 31 N 16 W N.M.P.M.  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

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

The elevation of the ground above sea level is 5701 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)

This well was spudded 4:00 P.M., 10-17-58. Drilled to 135' SLH. Ran 4 joints 8-5/8" O.D. 2 1/2" J-55 casing = 126.88'. Set at 134' and cemented with 100 sacks regular cement plus 3% CaCl. Plug down 10:45 P.M., 10-17-58. W.O.C. Muddled up BOP's and tested casing with 600# for 30 minutes, O.K. Started drilling plug 2:30 P.M., 10-18-58.



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

Company The Atlantic Refining Company

Address P. O. Box 520

Casper, Wyoming

By Ad A. Klopfer

Title Drilling Superintendent

1990-1991

*[The page contains faint, mostly illegible markings and bleed-through from the reverse side.]*

1. The first part of the document is a list of names and dates, which appears to be a roster or a list of personnel. The names are written in a stylized, possibly cursive, font. The dates are written in a similar font. The list is organized into two columns.

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THE UNIVERSITY OF CHICAGO

The four diagrams illustrate different types of chemical bonds:

- Diagram 1 (Ionic):** Shows two atoms, one with a positive charge and one with a negative charge, with a plus-minus sign between them, representing an ionic bond.
- Diagram 2 (Covalent):** Shows two atoms with a double line between them, representing a covalent bond.
- Diagram 3 (Hydrogen):** Shows two water molecules (H<sub>2</sub>O) with a dashed line between them, representing a hydrogen bond.
- Diagram 4 (Metallic):** Shows a cluster of atoms with a plus-minus sign in the center, representing a metallic bond.

[illegible]

— *Journal of the American Medical Association*, 1967, 202: 1033-1034