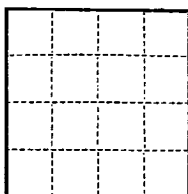


(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Indian Agency \_\_\_\_\_

Window Rock \_\_\_\_\_

Allottee Navajo Ute Mtn. TribalLease No. 11-20-600-3531

## SUNDRY NOTICES AND REPORTS ON WELLS RECEIVED

NOTICE OF INTENTION TO DRILL _____	SUBSEQUENT REPORT OF WATER SHUT-OFF _____	SEP 3 1959
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 _____	GEOLOGICAL SURVEY
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL _____	SUBSEQUENT REPORT OF REDRILLING OR REPAIR _____	ARMINGTON NEW MEXICO
NOTICE OF INTENTION TO SHOOT OR ACIDIZE _____	SUBSEQUENT REPORT OF ABANDONMENT _____	
NOTICE OF INTENTION TO PULL OR ALTER CASING _____	SUPPLEMENTARY WELL HISTORY _____	X
NOTICE OF INTENTION TO ABANDON WELL _____		

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

September 1, 1959

Well No. 24 is located 1850 ft. from [S] line and 1920 ft. from [W] line of sec. 20

NE SW Sec. 20 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 ~~land surface~~ above sea level is 5560 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)

Spudded 4:00 P.M., 8-15-59. Drilled to 106'. Ran 3 joints 8-5/8" O.D. 24# J-55 casing - 94.50'. Set at 102.50' and cemented with 115 sacks common cement plus 3# CaCl. Job complete 1:30 A.M., 8-16-59. W.O.C. to 4:00 P.M., 8-16-59. Tested 8-5/8" casing with 500# for 30 minutes, O.K. Started drilling plug at 5:30 P.M., 8-16-59. Drilled to 1460' TD. Ran Induction ES, their TD 1461'. Ran 15 joints 4-1/2" 9.5# J-55 casing - 1447.28'. Set at 1454.31' and cemented with 160 sacks regular mix Pozmix. Plug down 2:30 P.M., 8-19-59. W.O.C. to 7:00 A.M. 8-21-59. Tested 4-1/2" casing with 1000# 30 minutes, O.K. Ran Gamma Ray Correlation log, their TD 1419'. Perforated 1401-1407" Schlumberger - 1407-1413" Gamma Ray with 24 jets. Treated perforations with 100,000# 10/20 sand, 10 rubber coated nylon balls and 43,890 gallons lease crude. Formation broke down 3200-1000#. Average treating pressure 1500#, average injection rate 43 BPM. Job complete 10:30 A.M., 8-21-59.

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 CompanyAddress P. O. Box 520Casper, WyomingBy B. J. SartainTitle District Drilling Supervisor

Liberty

[illegible]

521

MOO 100-100  
E 100

*[The following text is mirrored bleed-through from the reverse side of the page and is largely illegible due to the quality of the scan.]*

...the ... ..

[illegible]

the 1990s, the number of people in the world who are under 15 years of age is expected to increase from 1.1 billion to 1.5 billion. The number of people aged 65 and over is expected to increase from 200 million to 400 million. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion.

1. The first step in the process is to identify the problem. This involves gathering information about the situation and understanding the needs of the stakeholders involved.