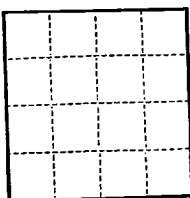


(SUBMIT IN TRIPLICATE)
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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	<div style="text-align: right;">NOV 17 1959</div> <div style="text-align: center;">U.S. GEOLOGICAL SURVEY FARMINGTON, NEW MEXICO</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)

November 16, 1959

Well No. 33 is located 660 ft. from N line and 417 ft. from E line of sec. 29
NE NE, Sec. 29 31 N 16 W M.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 5467 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)

Spudded 1:30 P.M., 10-25-59. Drilled to 107' SLM. Ran 3 joints 8-5/8" OD 24" J-55 casing = 92.25'. Set at 170.25' and cemented with 115 sacks common cement plus 3% CaCl. Job complete 7:30 P.M., 10-25-59. W.O.C. to 7:30 A.M., 10-26-59. Tested 8-5/8" casing with 500# for 30 minutes, O.K. Started drilling plug at 1:30 P.M., 10-26-59. Cored 1301-1326', recovered 25'. Drilled to 1378' SLM. Ran Induction MS, their TD 1380'. Ran 42 joints 4-1/2" OD 9.5" J-55 casing = 1358.41'. Set at 1365.44' and cemented with 130 sacks Pozmix. Plug down 12:00 Midnight, 10-29-59. Ran 3 centralizers. W.O.C. to 7:00 A.M., 11-6-59. Tested casing with 1000# 30 minutes, O.K. Ran Gamma Ray Correlation, their PED 1336'. Perforated 1304-1322' Schlumberger and Gamma Ray with 72 jets. Treated perforations with 100,000# 10/20 sand, 20 nylon balls in 44,310 gallons lease crude. Formation broke down 2400-1400#. Average treating pressure 1500#, average injection rate 37.3 BPM. Job complete 3:00 P.M., 11-6-59.

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 Company

Address P. O. Box 520

Casper, Wyoming

By B. J. Sartain
Title District Drilling Supervisor

