

(SUBMIT IN TRIPLICATE)

Indian Agency _____

UNITED STATES

Window Rock

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Navajo Tribal

Lease No. 11-20-603-724

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	

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

May 8, 1959

Navajo
Well No. 52 is located 660 ft. from [N] line and 660 ft. from [E] line of sec. 31.
C NE HE, Sec. 31 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 ~~surface~~ ground above sea level is 5125 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 10:00 A.M., 4-22-59. Drilled to 100' G.L. Ran 3 jts. 8-5/8" O.D. 24" J-55 casing = 93.82'. Set at 101.81 RKB and cemented with 115 sacks common cement + 3% CaCl. Job complete 7:00 P.M., 4-27-59. WOC 5 days. Tested 8-5/8" casing with 500# 30 minutes, O.K. Drilled to 1324' TD. Ran Induction ES and SP Sonic logs, their T.D. 1325'. Ran 40 jts. 4-1/2" O.D. 9.5# J-55 casing = 1310.62'. Set at 1317.65' and cemented with 120 sacks Pozmix. Plug down 6:30 P.M., 5-4-59. Ran 4 centralizers. WOC to 6:00 A.M., 5-6-59. Tested 4-1/2" casing with 1000# 30 minutes, O.K. Ran Gamma Ray Correlation log, their T.D. 1288'. Perforated 1249-1276' Schl. = 1245-1272' GR with 54 jets. Treated with 20,000# 10/20 sand in 10,374 gallons lease crude. Formation broke down 2400-1500#. Average treating pressure 1700# at the rate of 31.2 BPM. Job complete 12:00 Noon, 5-6-59. Perforated 1140-1173' Schl. = 1136-1169' GR with 66 jets. Treated perforations with 20,000# 10/20 sand in 10,164 gallons lease crude. FFD 1800-1300#. Average treating pressure 1400# at rate of 34 BPM. Job complete 3:00 P.M., 5-6-59.

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 *A. D. Klopfer*

Title Drilling Superintendent

100-1047

623

253

100



Figure 1. (a) Schematic of the experimental setup. (b) Schematic of the experimental setup. (c) Schematic of the experimental setup.

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