

(SUBMIT IN TRIPLICATE)

Indian Agency _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Mescalito Apache 102

Allottee _____

Lease No. _____

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| X | | |
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SUNDRY NOTICES AND REPORTS ON WELLS

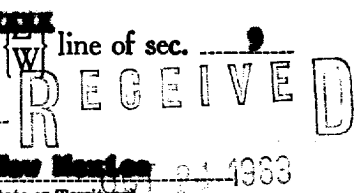
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|---|---|
| NOTICE OF INTENTION TO DRILL _____ | SUBSEQUENT REPORT OF WATER SHUT-OFF <u>10-3/4"</u> X |
| NOTICE OF INTENTION TO CHANGE PLANS _____ | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING _____ |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF _____ | 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 <u>Free</u> X |
| NOTICE OF INTENTION TO ABANDON WELL _____ | |

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

Mescalito Apache 102 Farmington, New Mexico October 23, 1963

Well No. 14 is located 1420 ft. from N line and 1730 ft. from W line of sec. 9

SE/4 SW/4 Section 9 T-36N R-4W N.M.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Logan Dakota Rio Arriba New Mexico
(Field) (County or Subdivision) (State or Territory)



The elevation of the derrick floor above sea level is 7152 ft.

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

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)

The above well was spudded on September 23, 1963, and 10-3/4" casing was set at 220' with 140 sacks cement. Cement circulated to surface. After waiting on cement, tested casing with 1000 psi. Test ok. Reduced hole to 9-7/8" and resumed drilling.

Well was drilled to 4100' and 7-5/8" casing was set at that depth with 140 sacks cement. After waiting on cement, tested casing with 3000 psi. Test ok. Reduced hole to 6-3/4" and resumed drilling.

Well was drilled to a total depth of 5320' and 4-1/2" casing was set at that depth with 300 sacks cement. After waiting on cement, tested casing with 3500 psi. Test ok.

Perforated 5194-5202' with 4 shots per foot. Sand-water fractured these perforations with 21,000 gallons water containing 4 pounds FR-4 per 1000 gallons and 12 Calcium Chloride and 20,000 pounds sand. Pressures were: breakdown 1000 psi, maximum treating (see reverse side)

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

Company Pan American Petroleum Corporation

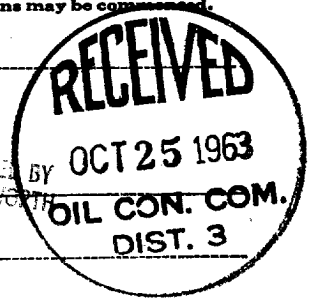
Address P. O. Box 420

Farmington, New Mexico

Fred L. Moberg
District Engineer

By F. H. Hollingsworth

Title _____



The 2-2/8" casing landed at 8254'.

Drilled one bridge plug and began casing well.

28.5 HRL.
2000 psi, minimum casing 2100 psi. Average injection rate 27.5 HRL. One
bridge plug at 8140'. Spent 4-1/2" casing to 2000 psi. Two etc.
Produced 800-85', 800-85' with 4' casing per foot. Sand-water bearing these
productions with 48,000 gallons water containing 4 pounds W-4 per 1000 gallons.
12 inches radius and 40,000 pounds sand. Produced water: Produced 8100 psi.
Minimum casing 2000 psi, minimum casing 2000 psi. Average injection rate