Form 9-331 b
(April 1952)

Budget Bureau No. 42-R359.4.
Approval expires 12-31-60.

			X

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Jicarilla Tribal

Allottee

Lease No. Jicarilla Contract No. 155

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	X
NOTICE OF INTENTION TO ABANDON WELL			

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

Jicarilla Contract 155 — Farmington, New Mexico — May 25, 1961

Well No. 13 is located 1620 ft. from {S} line and 890 ft. from {E} line of sec. 30

NE/4 SE/4 Section 30 (¼ Sec. and Sec. No.) — T-26N (Twp.) — R-5W (Range) — N.M.P.M. (Meridian)

Basin Dakota (Field) — Rio Arriba (County or Subdivision) — New Mexico (State or Territory)

The elevation of the derrick floor above sea level is 6586 ft. (KB)

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)

Total depth 7474' - Set 4½" casing at 7474' with Baker DV tool at 3904'. Cemented first stage with 350 sacks 6 percent gel cement, containing 1½ pounds medium Tuf Plug per sack, followed by 100 sacks neat cement. Tested with 3000 psi for 30 minutes, which held with no indication of pressure drop. Waited on cement for 4 hours. Cemented second stage with 375 sacks 6 percent gel cement. Tested with 3000 psi for 30 minutes, which held with no indication of pressure drop. Waited on cement 18 hours. Drilled DV tool. Displaced mud with water. Released rig April 16, 1961. Moved in pulling unit April 20, 1961. Lowered tubing to 7435' and circulated out 5 barrels discolored water. Pulled tubing to 7100' and attempted to test casing prior to perforating. Pumped in at 4½ barrels per minute at 3000 psi. Pressure dropped to 800 psi. Ran tubing with Halliburton RTTS Packer. Located leak at 3905' apparently in stage collar. Made five unsuccessful attempts to squeeze stage collar with 325 sacks cement.

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

Company PAN AMERICAN PETROLEUM CORPORATION

Address Box 480

Farmington, New Mexico

Attn: L. O. Speer, Jr.

RECEIVED
MAY 29 1961

ORIGINAL SIGNED BY
L. R. TURNER

By

Title Administrative Clerk

U. S. GOVERNMENT PRINTING OFFICE 16—84376-8

Drilled out cement and scraped casing 3892-3914'. Set 8' Plastic Patch centered at 3905'. After waiting on patch to set, tested casing with 3950 psi, which bled to 2300 psi in 70 minutes. Drilled out casing patch at 3905' with Baker casing scraper. Ran 2-3/8" tubing and scraper to 7435' and circulated hole clean. Spotted 500 gallons of 15% acid. Ran correlation log and perforated with 6 shots per foot 7100-7110. Ran 2-7/8" frac tubing with Baker full bore packer and set packer at 6441'. Attempted to frac, but unable to breakdown with 3200 psi. Reset packer at 6331'. Breakdown at 5300 psi back to 800 psi and established injection rate of 8 barrels per minute at 2800 psi. Reset packer at 6441'. Sandwater fractured with 21,900 gallons water containing 3# pounds per 1000 gallons J-101 and 10 pounds J-98 per 1000 gallons with 1 percent calcium chloride and 20,000 pounds sand. Breakdown pressure 5300-800 psi, maximum treating pressure 4300 psi, minumin treating pressure 4000 psi, average treating pressure 4100 psi, average injection rate 19 barrels per minute. Ran 2-3/8" tubing with Baker Model "A" Packer and set packer at 6949' with bottom of tubing at 7078' and loaded annulus with oil. Completed as shut in gas well Basin Dakota Field May 20, 1961. Preliminary test May 20, 1961, flowed 2300 MCF per day. Tubing pressure flowing 150 psi, with casing pressure flowing remaining at zero.