Form 9-331 b
(April 1952)

Form approved.
Budget Bureau No. 42-R359.4.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Jicarilla Apache 102

Allottee

Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF 4-1/2"	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 Frac	X
NOTICE OF INTENTION TO ABANDON WELL			

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

Jicarilla Apache 102 Farmington, New Mexico May 21, 1963

Well No. 7 is located 1850 ft. from {N/S} line and 2390 ft. from {E/W} line of sec. 3

SW/4 NE/4 Section 3 (¼ Sec. and Sec. No.) T-26N (Twp.) R-4W (Range) N.M.P.M. (Meridian)

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

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The elevation of the derrick floor above sea level is 7010 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)

Well was drilled to a total depth of 8192'. 4-1/2" casing liner set at 8192' top at 3871'. Cemented with 50 sacks Quixtrength neat followed by 350 sacks Quixtrength containing 4% Gel and 1-1/2 lbs. Medium Tuf Plug per sack and 100 sacks Quixtrength neat on bottom. After waiting on cement, cleaned out to top of liner. Tested 7-5/8" casing and liner hanger to 2500 lbs. Had high pressure leak. Ran remaining 4-1/2" casing, landed in liner hanger at 3872 and cemented with 350 sacks type C 4% Gel cement followed by 150 sacks type C neat. Circulated cement to surface. After waiting on cement, cleaned out to 8150'. Tested casing with 3000# for 30 minutes. Test ok.

Perforated with 2 shots per foot 8100-8122. Sand water fracked these perforations with 35,000 gallons water containing 7 lbs. per 1000 gallons J-2, 20 lbs. F-4 per 1000 gallons, 1% calcium chloride and 30,000 lbs. sand. Pressures were: Breakdown

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

RECEIVED
MAY 23 1963
OIL CON. COM.
DIST. 3

Company Pan American Petroleum Corporation

Address P. O. Box 480

Farmington, New Mexico

Attn: L. O. Spear, Jr.

By ORIGINAL SIGNED F. H. HOLLINGSWORTH

Title Petroleum Engineer

U.S. GOVERNMENT PRINTING OFFICE 16—8437b-9

600 psi, Maximum Treating 3100, Minimum Treating 2860. Average Injection Rate 19.7 barrels per minute. Set bridge plug at 8050 and tested to 9000 psi. Test ok. Perforated with 2 shots per foot 7964-84 and 8000-8020. Fracked these perforations with 51,000 gallons water containing 7 lbs. J-2 and 20 lbs. F-4 per 1000 gallons, 1% calcium chloride and 50,000 lbs. sand. Pressures were: Breakdown 500, Maximum Treating 3050, Minimum Treating 2500, Average Injection Rate 33 barrels per minute.

Cleaned well out and began testing operations.