

(SUBMIT IN TRIPLICATE)


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Indian Agency .....

Jicarilla Apache 102

Allottee .....

Lease No. ....

SEP 3 1963

SOIL CON. C.  
DIST. 3

## 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.....	Free 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 August 28, 1963

Well No. 11 is located 1190 ft. from [N] line and 1850 ft. from [W] line of sec. 10

<u>NE/4 NW/4 Section 10</u> (1/4 Sec. and Sec. No.)	<u>T-26N</u> (Twp.)	<u>R-4W</u> (Range)	<u>N.M.P.M.</u> (Meridian)
<u>Basin Dakota</u> (Field)	<u>Rio Arriba</u> (County or Subdivision)	<u>New Mexico</u> (State or Territory)	

The elevation of the derrick floor above sea level is ..... ft. (To be reported later.)

## 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 drilled to a total depth of 8030' and 4-1/2" casing set at 8037 with 400 sacks Quixtrenth cement containing 4% Gel and 1-1/2 pounds medium Tuf Plug per sack followed by 100 sacks neat. After waiting on cement, tested 4-1/2" casing with 3000 psi. Test ok.

Perforated Main Dakota Zone 7926-36 and 7964-76 with 4 shots per foot. Sand water fracked these perforations with 37,800 gallons water containing 1% calcium chloride and 7 pounds J-114 per 1000 gallons and 30,000 pounds sand. Pressures were: Breakdown 1500-1300, Maximum treating 3500, Minimum treating 3000. Average injection rate 21 BPM. Ran tubing and tested same. Cast iron bridge plug set at 7860' and tested with 3000 psi. Test ok.

Perforated 7780-90, 7814-26 with 4 shots per foot. Sand water fracked these perforations with 42,000 gallons water containing 1% calcium chloride and 7 pounds J-114 per 1000 gallons and 40,000 pounds sand. Breakdown pressure 2700-2300, treating pressure 3400-2800. Average injection rate 34 BPM. Tubing landed at 7804 and testing operations began.

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 CORPORATIONAddress P. O. Box 480Farmington, New MexicoAttn: L. O. Spear, Jr.

ORIGINAL SIGNED BY

By Fred L. NaborsTitle District Engineer

Currently testing well.