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(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office New Mexico

Lease No. NM-04419

Unit Northeast Hogback Unit
Communitization No.
14-09-001-6674

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 RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING 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)

Northeast Hogback Unit

Farmington, New Mexico February 14, 1963

Well No. 23 is located 720 ft. from N line and 2090 ft. from E line of sec. 10

NE/4 Section 10
($\frac{1}{4}$ Sec. and Sec. No.)

T-30N
(Twp.)

R-16W
(Range)

N.M.P.M.
(Meridian)

Horseshoe Gallup
(Field)

San Juan
(County or Subdivision)

New Mexico
(State or Territory)

The elevation of the derrick floor above sea level is 5581 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work)

The above well was converted to a water injection well on February 12, 1963 as follows:

1. Hot oiled casing annulus and pumped backload.
2. Moved in and rigged up pulling unit and pulled rods and pump.
3. Ran casing scraper on tubing, and circulated hole clean with oil. *water*
4. Displaced oil with treated water and pulled tubing.
5. Ran 2-3/8" tubing with Baker Model N packer set at 1350'.
6. Hooked up to injection system and started injecting water down tubing and annulus into lower and upper Gallup zones February 12, 1963.

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 480

Farmington, New Mexico

Attn: L. O. Speer, Jr.

By

Title Petroleum Engineer

