



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYLand Office Santa Fe  
Lease No. 077940  
Unit USA G. J. Helder

## 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
NOTICE OF INTENTION TO ABANDON WELL	

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

USA G. J. Helder

Farmington, New Mexico July 28, 1958

Well No. 1 is located 990 ft. from SW line and 990 ft. from EW line of sec. 21SE/4 of Section 21

(1/4 Sec. and Sec. No.)

T-28-N

(Twp.)

R-13-W

(Range)

N.M.P.M.

(Meridian)

Undesignated Gallup

(Field)

San Juan

(County or Subdivision)

New Mexico

(State or Territory)

The elevation of the derrick floor above sea level is 6019 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)

USA G. J. Helder Well No. 1. On June 28, 1958, pulled tubing, attempted to perforate but well started flowing by heads. Killed well by pumping oil down casing. Perforated two shots per foot 5395-5420. Retrievable bridge plug on tubing set at 5435'. Spotted 500 gallons 15% mud out acid over perforations. Sand-oil fracked with 40,000 gallons oil and 40,000 pounds sand. Used 25 gallons Hyflo in first 100 barrels treatment. Formation broke at 2000 pounds. Injection rate 40 barrels per minute. Injected 25 ball sealers after 13,000 gallons and 25 after 26,000 gallons. Pulled retrievable bridge plug set at 5455'. Landed 2" tubing at 5681'.

Completed as pumping oil well, Undesignated Gallup Field, July 27, 1958. Potential test pumped 95 barrels oil per day, 14-18" strokes per minute. Gas oil ratio 390, gravity 40.4° API.

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 CorporationAddress Box 467Farmington, New MexicoBy ORIGINAL FILED BY D. J. HelderTitle Field Clerk