



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **Santa Fe**
Lease No. **W-046963**
Unit **Fred Fossil "G"**

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)

Fred Fossil "G"

Farmington, New Mexico September 24, 19 99

Well No. **1** is located **1850** ft. from **N** line and **1890** ft. from **E** line of **Sec. 2**
SW/4 Section 2 **T-27-N** **R-10-W** **N.M.P.M.**
 (1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Angels Peak Dakota **San Juan** **New Mexico**
 (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **9973** ft. (GL)

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)

Spotted 250 gallons breakdown acid on bottom. Tested casing with 3000 psi for 15 minutes, which held with no indication of pressure drop. Perforated with four shots per foot 6484-6496. Attempted to sand-water frac. Breakdown pressure 2200 to 1900. Pumped into formation at 25 barrels per minute with 2950 psi. Started sand at 1/2 pounds per gallon and sanding off when sand reached perforations. Stopped sand and flushed casing at 4-1/2 barrels per minute with 3000 psi. Spotted 250 gallons MCA and pumped 2 barrels into perforations. Ran ring gauge with bridge plug set at 6444'. Tested bridge plug with 3000 psi for 15 minutes, which held with no indication of pressure drop. Spotted 250 gallons breakdown acid. Perforated Dakota with 2 shots per foot 6360-6392. Sand-water fracked with 35,000 gallons water and 35,000 pounds sand. Breakdown pressure 2500 psi, average treating pressure 3000 psi, average injection rate 32 barrels per minute. Landed 2" tubing at 6335'. Released pulling unit September 12, 1959. Completed as gas well Angels Peak Dakota field September 19, 1959. Preliminary test September 19, 1959, 3006 MCFFD.

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 **Box 487**

Farmington, New Mexico

Attn: **L. O. Spear, Jr.**

By

Title **Area Engineer**