

X		

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Santa Fe ✓  
Lease No. SF 078482  
Unit \_\_\_\_\_

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	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 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	Setting Casing	X
	Perf & Frac	X

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

January 19, 1957

Graham-Federal  
Well No. 24-1 is located 790 ft. from N line and 1850 ft. from E line of sec. 24  
NE/4 NW/4 24 25 N 8 W  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Extension Ballard P.C. San Juan New Mexico  
(Field) (County or Subdivision) (State or Territory)

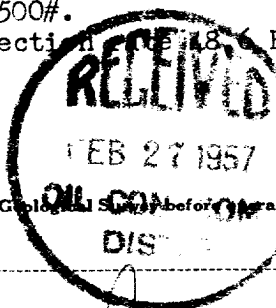
The elevation of the derrick floor above sea level is \_\_\_\_\_ ft. 6579.68

## 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)

On 12-9-56 ran 104.35' (3 joints) new 8 5/8" 24# J-55 ST&C Casing set at 113' and cemented with 90 sacks cement. Cement circulated. After WOC 48 hours Tested casing with 800# for 30 minutes. Held OK.  
On 12-15-56 ran 2310' (70 joints) new 5 1/2" 15.5# J-55 ST&C casing, set at 2318' and cemented with 150 sacks cement.  
Perforated 2198-2218' with 4 jet shots per foot.  
Brokedown formation with 250 gallons mud acid. Fraced with 39,640 gallons water and 60,000# sand. Formation broke at 1500#.  
Maximum treating pressure 1500#. Average injection 18 BPM.

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

Company WESTERN NATURAL GAS COMPANYAddress 823 Midland TowerMidland, Texas

By John B. Thomas  
Title Office Manager