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(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.....	X	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.....		Corrected Report for Lease No. ....	X

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

December 17, 1956

**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 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)

Plan to drill and complete in the Pictured Cliffs formation.  
Will set 100' 8 5/8" casing with 100 sacks cement; set 5 1/2" 15.5# J-55 new casing at expected TD of 2300' and cement with 100 sacks cement. Perforate 5 1/2" casing and fracture treat formation with 40,000 gallons of water mixed 1 1/2 pounds of sand to the gallon. Expected top of Pictured Cliff 2200'.

This well originally filed as Hannett-Federal #1.



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 Alan B. Thomas  
Title Office Manager