



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Santa Fe  
Lease No. 07835-A  
Unit Howell

## 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	<u>Water Frac</u>	<u>7</u>

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

Well No. 2-1 is located 900 ft. from [N] line and 900 ft. from [E] line of sec. 25  
N.E. 1/4 Sec 25 30 N 8 W N.M.P.M.  
 (1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildcat San Juan New Mexico  
 (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6238 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)

5-16-60 Total Depth 5430. S.O./P.S. Total Depth 5396. Water fractured Point Look-Out perforated intervals 5334-44; 5354-66; 5374-80; with 46,000 gallons water and 50,000 # sand. Breakdown pr. 1400 #, max. pr. 2400 #, avg. tr. pr. 1500, 1600, 1700, 1800 #. Injection rate 55 bbls./min. Flush 10,000 gallons. Dropped 3 sets of 10 balls for 4 steps.

5-16-60 Total Depth 5438. Temporary Bridge Plug at 5200. Water fractured Cliff House perforated intervals 4860-66; 4920-26; 4932-36; with 19,500 gal. water and 19,500 # sand. Breakdown pr. 1200 #, max. pr. 2700 #, avg. tr. pr. 2700 #. Injection rate 45 bbls/min. Flush None gal.

5-17-60 Total Depth 5438. Temporary Bridge Plug at 5200. Water re-frac Cliff House perforated intervals 4860-66; 4920-26; 4932-36; with 27,341 gal. water and 20,000 # sand. Breakdown pr. 3000 #, max. pr. 3000 # avg. tr. pr. 2450 #. Injection rate 39 bbls/min. Flush 5880 gal. Spotted 500 gal. 19% acid across Cliff House perforations.

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

Company El Paso Natural Gas CompanyAddress Box 997Farmington, New MexicoBy ORIGINAL SIGNED A.M. SMITHTitle Petroleum Engineer