



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYLand Office Santa Fe
Lease No. 079393
Unit San Juan 27-5 Unit
14-05-001-950

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>X</u>

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

May 14, 1957

Well No. 21 is located 990 ft. from N line and 1650 ft. from E line of sec. 3NE Section 3
(¼ Sec. and Sec. No.)27N
(Twp.)5N
(Range)N.M.P.M.
(Meridian)Blanco
(Field)Rio Arriba
(County or Subdivision)New Mexico
(State or Territory)The elevation of the derrick floor above sea level is 6602 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)

5-8-57. CORD 5756'. Water fractured Point Lookout perforated intervals 5594-5608'; 5624-39'; 5676-90'; 5724-32' (4 shots per foot) with 50,000 gallons water and 40,000# sand. Breakdown pressure 1400#, maximum pressure 3300#, average treating pressure 2000-2300-3000#. Injection rate 32.0 bbls. min. Flush 7000 gallons. Dropped 46 balls twice (every 12,000# sand) balled off on 2nd drop; could not release balls. 3 stages of 12,000#, 1200# and 1600# each.

5-9-57. Temporary Bridge plug at 5350'. Water fractured Cliff House perforated intervals 5210-5223'; 5240-5264'; 5286-5278' with 4 shots per foot with 70,700 gallons water and 60,000# sand. Breakdown pressure none, maximum pressure 4200#, average treating pressure 1950-2100-2400#. Injection rate 47.2 bbls./min. Flush 6000 gallons. Dropped 46 balls 3 times - stages of 20,000#, 20,000# and 10,000#. Released 3rd set of balls. Making 3 stages of 20,000# each.

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 DWELL N. WALSHTitle Petroleum Engineer