

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.1.  
Approval expires 12-31-60.

Land Office **Santa Fe**  
Lease No. **060594**  
Unit **Bolack**

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.....	<b>Water Frac</b> <span style="float: right;">X</span>

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

July 12, 19 57

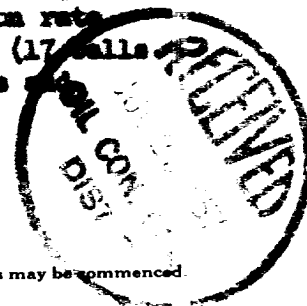
Well No. **4-D** is located **990** ft. from **N** line and **990** ft. from **W** line of sec. **1**  
**NW Sec. 1** **24N** **6W** **N.M.F.M.**  
( $\frac{1}{4}$  Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
**Otero P.C. Ext. 2** **Rio Arriba** **New Mexico**  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **6702** 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)

**7-10-57. T.D. 2618. C.O.F.D. 2570'. Water Fractured Pictured Cliffs perforated intervals 2490-2506; 2520-40; 2546-58 (2 Dyna-Jets/ft) with 34,300 gallons water and 31,000# sand. Breakdown pressure 2700-2250-2400-3000-balled off, maximum pressure 3000#, average treating pressure 1950-1650-2100-2850-balled off. Injection rate 44.7 BPM. Flush 3500 gallons. Injected 4 sets rubber balls (17 balls per set). Balled off after 4th set of balls. Released balls continued treatment.**



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

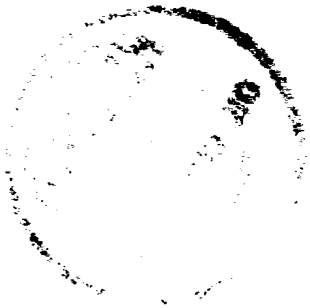
Company **El Paso Natural Gas Co.**

Address **Box 997**

**Farmington, New Mexico**

By **Original Signed D. C. Johnston**

Title **Petroleum Engineer**



Copyrighted material