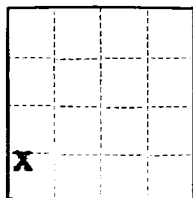


SP

(SUBMIT IN TRIPLICATE)

Land Office **076872-A**  
Lease No. **Frontier**  
Unit



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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	

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

Well No. **4-B** is located **990** ft. from **XX** **N** line and **990** ft. from **XX** **E** line of sec. **4**  
**SW/4 SW/4 Section 4** **27N** **11W** **NMPM**  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
**Undesignated Gallup** **San Juan** **New Mexico**  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **6173** 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.)  
**July 19, 1960 Total Depth 6037'. Clean Out Total Depth 6005'.**

**Sandell fractured Lower Gallup perforated intervals 5946'-5960' (perf. 4 sh./ft.) with 45,000 gals. lease crude and 37,000# sand. Breakdown pressure 2325 psig; maximum treating pressure 2950 psig; average treating pressures 2000 - 2500 psig. Injection Rate: 30.0 bbls./min. Flush with 6000 gals. lease crude. Dropped 36 perforation ball sealers one time.**

**July 20, 1960 Total Depth 6037'. Temporary Bridge Plug at 5925'.**

**Sandell fractured Lower Gallup perforated intervals 5869'-5896' (perf. 2 sh./ft.) with 46,000 gals. lease crude and 37,500 # sand. Breakdown pressure 2200 psig; maximum treating pressure 3250 psig; average treating pressures 2000 - 2500 psig. Injection Rate: 30.0 bbls./min. Flush with 5900 gals. lease crude. Dropped 27 perforation ball sealers one time.**

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 Products Company**  
Address **Post Office Box 1560**  
**Farmington, New Mexico**  
By **ORIGINAL SIGNED BY: JOSEPH**  
Title **Petroleum Engineer**