

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. 078194
Unit Ludrick

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)

September 21, 19 61

Well No. 19 is located 890 ft. from N line and 1800 ft. from E line of sec. 5

NE Section 5

(¼ Sec. and Sec. No.)

29-N

(Twp.)

10-W

(Range)

N.M.P.M.

(Meridian)

Basin Dakota

(Field)

San Juan

(County or Subdivision)

New Mexico

(State or Territory)

The elevation of the derrick floor above sea level is 5911 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)

9-17-61 Total Depth 6951. C.O.T.D. 6915'.

Water frac Upper Dakota perf int 6692-6700; 6710-18; 6751-59; 6776-84;

6766-70, w/64,400 gal water, 60,000# sand. Flushed w/4440 gal water.

IR 41 BPM. Max pr 4000#, BHP 1500#, tr pr 3800-3600-3900-4000#.

Dropped 4 sets of 16 balls for 5 stages. Treated frac water w/7# WG-4/1000 gal & 1# calcium chloride. Spotted 250 gal MMA.

7-14-61 Water frac Lower Dakota perf int 6896-6904; 6851-59; 6824-32;

6806-14, w/37,506 gal water, 20,000# sand. Flushed w/4494 gal water. IR

9 BPM. Max pr 3800#, BHP 3800#, tr pr 3800#, tr frac water w/1# calcium

chloride & 7# WG-4/1000 gal. Spotted 250 gal 7 1/2# MCA.

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 990Farmington, New MexicoBy ORIGINAL SIGNED A.M. SMITHTitle Petroleum Engineer