

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. 078999
Unit San Juan 31-6 Unit
14-00-001-464

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	Water Frac.

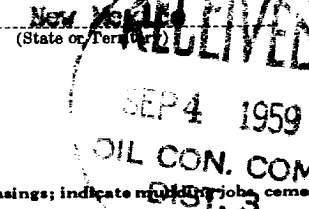
(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Sept. 1, 1959

Well No. 16-33(ND) is located 850 ft. from SN line and 1840 ft. from WE line of sec. 33

SW/4 Sec. 33 31N 6W N.M.P.M.
($\frac{1}{4}$ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Blanco M.V. & Wildcat Dak. Rio Arriba
(Field) (County or Subdivision)



The elevation of the derrick floor above sea level is 5500 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mud job, cementing points, and all other important proposed work)

7-31-59 T.D. 8163'. CO.T.D. 8150'. Water fraced. Lower Dak. perf. int. 7996-8106; 8112-8124; 8130-40 w/4 perfo-jets/ft. w/40,700 gallons 2% Calcium Chloride water and 20,000# sand. ED pr. none, max. pr. 3750#, avg. tr. pr. 3150-3700#. I.R. 56 BPM. Flush 15,000 gallons. Dropped one set of 15 balls. Spotted 200 gal. MCA before perforating.

8-1-59 Temporary bridge plug at 8070'. Water fraced Middle Dakota perf. int. 7970-75; 7985-91; 8020-24; 8036-44; 8040-54 w/4 perfo-jets/ft. w/41,000 gallons 2% Calcium Chloride water and 20,000# sand. ED pr. none, max. pr. 3800#, avg. tr. pr. 3500-3450#. I.R. 57.5 BPM. Flush 15,000 gallons. Dropped one set of 20 balls. Spotted 200 Gal. MCA before perforating.

8-4-59 Temporary bridge plug at 7960'. Water fraced Upper Dakota perf. int. 7901-7907; 7916-24; 7947-52 w/4 perfo-jets/ft. w/34,000 gallons 2% Calcium Chloride water and 20,000# sand. ED pr. none, max. pr. 4300#, avg. tr. pr. 4100-4300#. I.R. 50 BPM.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.
Flush 15,000 gals. Dropped one set of 25 balls. Spotted 200 gal. MCA before perf.
Company El Paso Natural Gas Company (Over)

Address Box 997

Farmington, New Mexico

ORIGINAL SIGNED J.J. TILLERSON

By _____

Title Petroleum Engineer

8-5-59 Temporary bridge plug at 7650'. Water fractured Mesa Verde part. Int.
 5430-34; 5438-46; 5502-06; 5589-95; 5706-36; 5742-48; 5764-72; 5778-84; 5790-94;
 5808-18; 5832-38; 5/2 DJ/ft. v/92,000 gallons water and 50,000# sand, 3D pr.
 2000#, max. pr. 3400#, avg. tr. pr. 900-1000-1400-2600-3000. I.R. 60 BMM. Flush
 8-6-59 Shot 7" casing off at 1997.70'. Pulled 49 joints 7", 23.00#, J-55
 casing (1986.70').