

(SUBMIT IN TRIPLICATE)

Land Office Santa FeLease No. 079060Unit Northeast BlancoUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY Unit Agent. No. 1, Sec. 929

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	Subsequent report of sand-water Frac X

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

WORKOVER

May 14, 1964

Well No. 19-20 is located 830 ft. from N line and 1550 ft. from E line of sec. 20NE/4 Sec. 20

(1/4 Sec. and Sec. No.)

30N

(Twp.)

7W

(Range)

NMEX

(Meridian)

Blanco Mesaverde

(Field)

Rio Arriba

(County or Subdivision)

New Mexico

(State or Territory)

The elevation of the derrick floor above sea level is 6402 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)

On May 9, 1964 perforated the Mesaverde Zone thru 4" liner; 5130'-5618' - two holes per foot. Sand-water fraced in one stage with 35,460 gals water, 26,000# 20-40 sand and dropped 50 rubber balls. Could not pump into formation. On May 10, 1964 spotted 350 gals reg 15% acid. Sand-water fraced with 59,140 ga ls water, 35,000 lbs 20-40 sand. Injected 225 rubber balls, could not pump into formation. On May 12, 1964 perforated the Point Lookout and Cliffhouse Zones; 5500'-5630', 5130'-5180'. Sand-water fraced with 73,400 gals. water, 40,000 lbs 20-40 sand. Injected 350 rubber balls. Maximum treating pressure 2300 PSI, minimum treating pressure 1450 PSI, shut in pressure zero PSI. Average injection rate 42.2 bbls/min.

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

Company Blackwood & Nichols Company (Unit Operator)Address P. O. Box 100Durango, ColoradoBy Delasso LoosTitle Field Superintendent