



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office

Santa Fe

Lease No.

077001 - A

Unit

Northeast Blanco

Unit Agreement 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 sandfrac	X

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

October 25, 1957

Well No. Howell 1-31 located 1230 ft. from N line and 1750 ft. from E line of sec. 10NE/NE/4 Sec. 10
(1/4 Sec. and Sec. No.)30N
(Twp.)7E
(Range)MTM
(Meridian)Blanco Mesaverte
(Field)Rio Arriba
(County or Subdivision)New Mexico
(State or Territory)The elevation of the derrick floor above sea level is 6293 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 10-4-57, perforated the Point Lookout zone thru 5-1/2" casing with 4 holes per foot 5356'-5364', 5372'-5376', 5408'-5454', 5462'-5504', 5524'-5554' & 5564'-5578'. Sand-water fraced with 42,000 gallons of water (including flush) and 25,000 lbs. of sand. Maximum treating pressure 800 PSI. Minimum treating pressure 750 PSI. Final pressure zero PSI. Average injection rate 61 barrels per minute.

Set bridge plug at 5290' and perforated the Venekee & Cliffhouse zones thru 5-1/2" casing with 4 holes per foot 5060'-5105', 5169'-5176.5', 5195'-5217.5', 5237'-5259.5' & 5275'-5282.5'. Sand-water fraced with 42,000 gallons of water (including flush) and 30,000 lbs. of sand. Injected 100 rubber balls during treatment. Maximum treating pressure 1300 PSI. Minimum treating pressure 1100 PSI. Final pressure zero PSI. Average injection rate 51 barrels per minute.

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 1237Durango, ColoradoOriginal Signed
By by Delasso Loos Delasso LoosTitle Field Superintendent