

(SUBMIT IN TRIPLICATE)

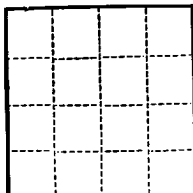
Land Office **Santa Fe**

Lease No. **070615**

Unit **Northeast Blanco**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Sand-water Frac

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

WORKOVER

April 22, 1958

Well No. **Howell 1-4** is located **1090** ft. from **N** line and **1550** ft. from **W** line of sec. 24
3v/4 Section 24 **30N** **8W** **RPM**
 (1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Blanco Mesaverte **San Juan** **New Mexico**
 (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **6196** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cement-
 On 4-2-58, perforated the Point Lookout Zone thru 5" liner with 2 holes per foot. 5260' - 5360'. Sand-water fraced with 59,992 gallons of water (including flush) and 50,000 lbs. of sand. Injected 120 rubber balls in 6 stages during treatment. Maximum treating pressure 1175 PSI. Minimum treating pressure 100 PSI. Final pressure Zero PSI. Average injection rate 57 barrels per minute. Could not set bridge plug. Perforated the Memphie & Cliffhouse Zones thru 5" liner with 4 holes per foot 4820' - 4830', 4880' - 4910', 4982' - 5000' & 5020' - 5040'. Sanded off Point Lookout Zone with 1000 gallons mixed 3 lbs sand per gallon of water. Sand-water fraced with 61,760 gallons of water (including flush) and 40,000 lbs of sand. Injected 100 rubber balls during treatment. Maximum treating pressure 2000 PSI. Minimum treating pressure 400 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.

BLACKWOOD & NICHOLS COMPANY

Company **P.O. BOX 1237**
 Address **DURANGO, COLORADO**

Original Signed **DeLasso Loos**
 By **DeLasso Loos**
 Title **Field Superintendent**