



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYLand Office Santa Fe
Lease No. 078477
Unit _____

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	X
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	Setting Casing	X
	Perf & Frac	X

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

January 4, 1957

Nordhaus-Federal
Well No. 4 is located 990 ft. from N line and 1650 ft. from E line of sec. 17
SW/4 SE/4 17 25 N 7 W (Meridian)
(1/4 Sec. and Sec. No.) (Twp.) (Range)
Undesignated Rio Arriba New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6431.01 G.L.

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 12-6-56 ran 110' (3 joints) 8 5/8" 24# J-55 new casing set at 119' and cemented with 90 sacks. Cement circulated. Used pump and plug method. After WOC 4 days Tested casing with 800 psi for 30 minutes. Held OK.
On 12-12-56 ran 2256' (67 joints) new 5 1/2" 15.5# J-55 ST&C casing, set at 2265, being 5 joints seamless and 62 joints electric weld mill reject, set at 2265' and cemented with 150 sacks neat cement. Perforated 5 1/2" casing 2190-2220 with 4 jet shots per foot.
Fraced through perfs with 41,020 gallons water and 59,000# sand.
Brokedown formation with 250 gallons mud acid. Average injection rate 45.8 EPM.

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

Company WESTERN NATURAL GAS COMPANYAddress 823 Midland TowerMidland, TexasBy John S. ThomasTitle Office Manager

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