



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-B358.4.
Approval expires 12-31-60.

Land Office **Santa Fe**
Lease No. **57 078673**
Unit **Schlusser-Federal**

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.....	Sub. Report of Perforating and Formation Fracturing	X

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

November 7, 19 60

Well No. **2** is located **790** ft. from **N^{NE}** line and **790** ft. from **E^{NE}** line of sec. **3**

SW/4 **3** **27-N** **11-W** **N.M.P.M.**

(1/4 Sec. and Sec. No.)
Undesignated Gallup Oil

(Range)
San Juan

(Meridian)
New Mexico

(Field)
Undesignated Dakota Gas

(County or Subdivision)

(State or Territory)

The elevation of the derrick floor above sea level is **6210** ft. **G.L.**

DETAILS OF WORK

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

Perforated Dakota 6596-6606 and 6618-26 ft. w/4 jet shots per foot. Frac w/60,000# 20-40 sand, 62,600 gal water w/1% caCl₂, 300# J-98. Flushed w/260 bbls water, 1000 gals acid. Avg injection rate 63 BPM @ 2000# treating pressure.

Perforated Gallup 6822-42 w/2 jet shots per foot. Frac w/23,200 gal oil, 30,000# 20-40 sand, 800# J-84 plastic coated walnut shells, 1000 gal 17% non-emulsion acid diluted w/3500 gal water. Avg injection rate 55.3 BPM. Breakdown press 2700#, Max 3500#, Min 2550#.

Perf Gallup (Nelson zone) 5952-5962' w/4 JSPF. Fraced w/20,160 gal lee oil, 20,000# 20-40 sd, 800# J-87 plastic coated walnut hulls, 1000 gal non-emulsifying acid diluted w/3500 gal H₂O. Flushed w/150 BO, BDP 3000#, Min press 2100#, Inj rate 44 BPM. Set: Guiberson Type "A" permanent prod. packer off of wireline at 6541' prior to perforating the Gallup.

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 COMPANY**

Address **823 Midland Tower**

Midland, Texas

By *[Signature]*

Title **Office Manager**