

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office **Santa Fe**  
Lease No. **0002381**  
Unit **None**

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	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.....			

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

March 31, 19 50

**Government Morgan**

Well No. **4** is located **2310** ft. from **N** line and **330** ft. from **W** line of sec. **31**

**NE/4, NW/4, SW/4, Sec. 31 T37N R12W W4PM**

(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

**Undesignated San Juan New Mexico**

(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **3295** 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)

Drill 13-3/4" hole to set approximately 200' of 9-5/8", 32.3# casing to be cemented to surface. Drill through the Gallup formation to estimated total depth of 5150'. Run Schlumberger RS-Ind log to determine possible productive zones. No coring or testing is contemplated. Estimated top of Gallup Sandstone, 4800'; estimated top of Bisti Sand, 5010'. If commercial oil or gas production is indicated, 5 1/2" casing of sufficient weight and grade will be set through the productive zone and cemented. Possible productive intervals will be perforated and fractured.

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

Company **The Frontier Refining Company**

Address **4040 East Louisiana Avenue**

**Denver 22, Colorado**

By **E. B. Granville**  
**E. B. Granville**  
Title **Drig. & Prod. Supt.**

NEW MEXICO OIL CONSERVATION COMMISSION  
Well Location and Acreage Dedication Plat

Section A.

Date April 1, 1958

Operator THE FRONTIER REFINING COMPANY Lease GOVERNMENT-MORGAN (NY 080238A)  
Well No. 4 Unit Letter L Section 31 Township 27 NORTH Range 12 WEST NMPM  
Located 2310 Feet From THE SOUTH Line, 330 Feet From THE WEST Line  
County SAN JUAN G. L. Elevation 5895.0 Dedicated Acreage 40 Acres  
Name of Producing Formation Gallup Pool Undesignated

1. Is the Operator the only owner\* in the dedicated acreage outlined on the plat below?  
Yes X No       .
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes        No       . If answer is "yes," Type of Consolidation
3. If the answer to question two is "no," list all the owners and their respective interests below:  
REF. GLO Plat dated: 19 July 1915

Owner

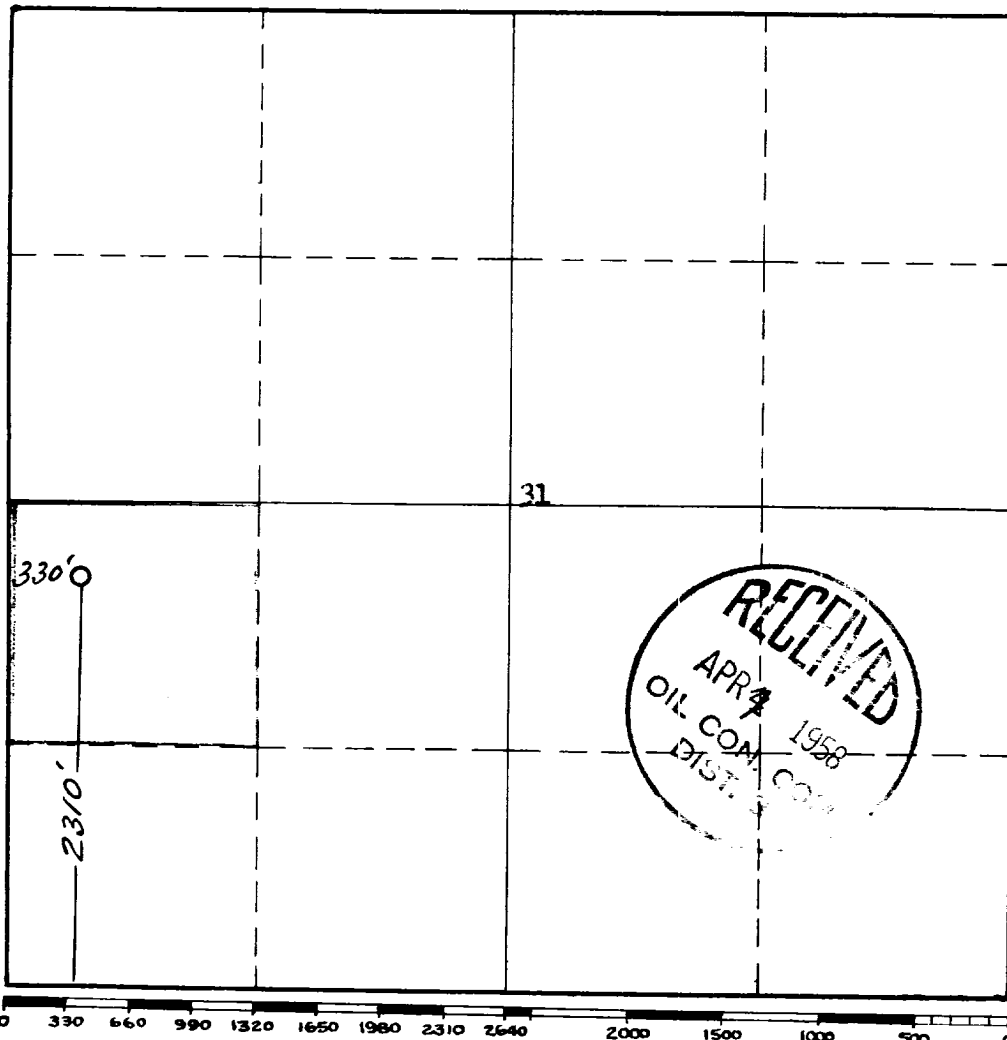
Land Description

RECEIVED

APR 3 1958

U. S. GEOLOGICAL SURVEY  
FARMINGTON, NEW MEXICO

Section B



This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

The Frontier Refining Co.

(Operator)

(Representative)

Don H. Parker, Vice Pres.  
4040 East Louisiana Avenue

Address

Denver 22, Colorado

This is to certify that the well location shown on the plat in Section B was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed 26 MARCH 1958

James P. Leese  
Registered Professional  
Engineer and/or Land Surveyor.

JAMES P. LEESE

Certificate No. 1463

(See instructions for completing this form on the reverse side)