Form 9-331a
(Feb. 1961)

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

Land Office Santa Fe

Lease No. SF080238A

Unit None

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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	X
NOTICE OF INTENTION TO ABANDON WELL			

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

October 21, 1957

Government Morgan
Well No. 1 is located 500 ft. from {N/S} line and 800 ft. from {E/W} line of sec. 31

SE¼SE¼ Sec. 31 (¼ Sec. and Sec. No.) 27N (Twp.) 13W (Range) NMPM (Meridian)

undesignated (Field) San Juan (County or Subdivision) New Mexico (State or Territory)

The elevation of the derrick floor above sea level is 5643'KB / 5632.75'GL.

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)

An 8-3/4" hole was drilled from 200' to 5045' KB. No cores or drill stem tests were taken. 5½" J-55, 15.5# casing was cemented at 5044' with 100 sax of cement 50% Pozmix "A" plus 4% Gel and ¼# per sac Floccle added. A temperature survey indicated top of cement at 4000'. A Welex Gamma Ray Neutron Log was run and the casing perforated from 4896' to 4930' and from 4935' to 4969' KB with 4 Dyna Jets per foot. The perforated interval was treated with a sand-oil frac as follows: Broke formation at 1900 PSI. Pumped in 70,000 gals crude mixed with 100,000 lbs of 20-40 mesh sand. Used 200 balls in 7 stages. Flushed with 53 bbls. Maximum pressure 2000 PSI. Minimum pressure 2200 PSI. Injection rate 55.5 bbls/min. Back flowed load oil for 5 days.

Continued on attached page

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 [signature]

Title Don H. Parker, Vice President

U.S. GOVERNMENT PRINTING OFFICE: 1956—O-393560

Recovered all but 638 bbls. Ran 158 jts of 2-3/8" EUE, 8 round, upset, J-55 tbg, landed at 4995.5'GL. Flowing well on 22/64" choke into tanks with 155 bbls load oil to recover as of 11:38 A.M. September 28, 1957.