

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. 080238A
Unit Morgan

RECEIVED

SUNDRY NOTICES AND REPORTS ON WELLS

JUN 13 1958

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	X
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)

June 12, 1958

Well No. 4 is located 2310 ft. from NE line and 330 ft. from W line of sec. 31
SW-5W4, NW4 31 T 27 N R 12 W NMPK
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
North Histi - Callegos San Juan New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5902 ft. KB 5894 GR

DETAILS OF WORK

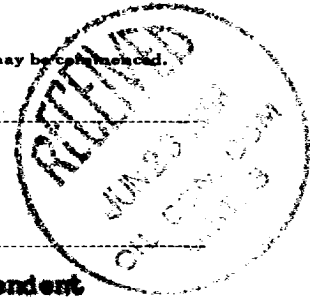
(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

5/27/58 Swbd eog dry & dry tstd 12 hrs - no fluid entered hole.
5/28/58 Ran 1 1/2 G-ray collar log to their PD 5036 KB. Perf 4 holes @ 5024' -
 sub tstd 12 hrs - less than 1 B fluid entered hole in 12 hrs, w/trace oil.
 Loaded hole w/oil perf 5 1/2" eog (Nelson) w/128 LB "carrot-free" cone shots
 (4 holes/ft) from: 5002 to 5034' KB. Broke down formation w/4400#, breaking
 to 1600#. Sand fract w/30,000# 20/40 sd; 30,000 gal lease crude & 100 perf
 ball sealers - spearheaded w/50 Ehl oil & 20 gal PREPLO - pumping frac against
 2600# to 2500# to 3500# @ 47 BOPM using 5 Allison pumps & 2 blenders - shut
 down pres 950#.
6/1/58 Swbd & flowed back thru eog 853 BO/40 hrs. Killed well w/150 BO,
 cleaned out 12' sand & ran tbg.
6/2/58 Swbd to flow. Swbd & flowed thru tbg 698 BO/62 hrs. Final GP 450 to
 500#, TP 100# 3 1/2" CX; & 20# trap.

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
Denver 22, Colorado
USGS (2); EBO (2)

By G. W. Hoffman
G. W. Hoffman
 Title Field Superintendent



APPROVED

DATE

SIGNATURE

