

Form 331a
(Rev. 1951)

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYLand Office Las Cruces
Lease No. 050500
Unit 0

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.....	<u>Subsequent Report of fracturing</u> <u>X</u>

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

Miller Federal ✓ March 2, 1964

Well No. 1 ✓ is located 1980 ft. from N line and 1980 ft. from E line of sec. 53/4 of NE 1/4 of Sec. 5 18-3 29-E NMPM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)Loco Hills Eddy New Mexico
(Field) (County or Subdivision) (State or Territory)The elevation of the derrick floor above sea level is 3562 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)

Fractured (3-4-64) the open hole section below Baker tension packer through 2 1/2" tubing using slick water as follows:

1st Stage - treated 2654 to 2778 T.D. (Premier) with 13,000# 20-40 mesh sand; Avg. rate 16 Bbls/Min; Avg pressure 3100#

2nd Stage - treated 2370 to 2778 T.D. with 27,000# of 20-40 mesh sand and 600# oyster shells, Avg. rate 25 Bbls/Min; Avg. pressure 2200 psi.

Ran 2 3/8" OD tubing to 2589 and put on pump (3-7-64)

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

Company Harlan Production CompanyAddress P.O. Box 355Monahans, Texas 79756By J. E. Emanuel
Title Petroleum EngineerRECEIVED
MAR 11 1964
ASTORIA OFFICE