



COPY TO O. C. C.

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 965
Farmington, New Mexico

February 8, 1956

El Paso Natural Gas Company
Box 997
Farmington, New Mexico

Re: Santa Fe 078138

Gentlemen:

Receipt is acknowledged of your "Notice of Intention to Drill" dated February 8, 1956 covering your well No. 4 Morris in SW $\frac{1}{4}$ sec. 28, T. 30 N., R. 11 W., N. M. P. M., San Juan County, New Mexico, Anted-P.C.

Your proposed work is hereby approved subject to compliance with the provisions of the "Oil and Gas Operating Regulations" revised May 25, 1942, a copy of which will be sent to you on request, and subject to the following conditions:

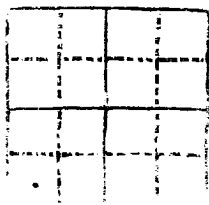
1. Drilling operations so authorized are subject to the attached sheet for general conditions of approval.
2. Furnish copies of all logs.
3. Approved subject to the communitization of the SW $\frac{1}{4}$ sec. 28 to form a unit of 160 acres more or less.

Very truly yours,

(Orig. Sgd.) P. T. McGrath

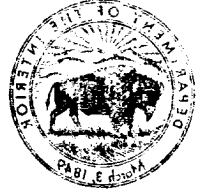
P. T. McGrath
District Engineer

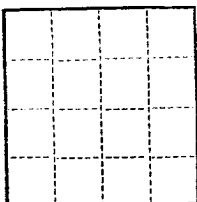
PTMcGrath:ac



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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY





(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYLand Office Santa Fe
Lease No. 078138
Unit Morris

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)

February 6, 1956

Well No. 4 is located 990 ft. from SW line and 990 ft. from W line of sec. 28
SW Section 28 30N 11W 104M
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Artec P.C. San Juan New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5951 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)

It is intended to drill a well thru the Pictured Cliff formation using rotary tools to the casing point and to drill the pay section with cable tools and to water fracture the entire pay section. T.D. 2340'.

Casing Program:

9 5/8" at 120' with 125 sacks regular cement circulated to surface.
7" at 2275' with 75 sacks regular cement, 75 sacks Pozmix.

The SW/4 of Section 28 is dedicated to this well.
SW/4, SE 078138 (W/2SW/4), SE 077760 (E/2SW/4).

RECEIVED
FEB 10 1956
U. S. GEOLOGICAL SURVEY

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

Company El Paso Natural Gas CompanyAddress Box 997Farmington, New MexicoBy Emell A. UllrichTitle Petroleum Engineer

THE EFFECT OF THE PHOTON ENERGY ON THE RATE OF THE PHOTOLYSIS OF AQUEOUS SOLUTIONS OF HYDROGEN PEROXIDE

1964

THE EFFECT OF THE PHOTON ENERGY ON THE RATE OF THE PHOTOLYSIS OF AQUEOUS SOLUTIONS OF HYDROGEN PEROXIDE

The rate of the photolysis of aqueous solutions of hydrogen peroxide has been studied as a function of the photon energy of the incident light. The results show that the rate of the photolysis increases with increasing photon energy. The rate of the photolysis is also affected by the concentration of the hydrogen peroxide solution and the intensity of the incident light. The rate of the photolysis is highest for a solution of 30% hydrogen peroxide and for an incident light of 254 nm wavelength. The rate of the photolysis is lowest for a solution of 10% hydrogen peroxide and for an incident light of 365 nm wavelength.

1

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1964

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1964

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EL PASO NATURAL GAS COMPANY

MORRIS NO. 4

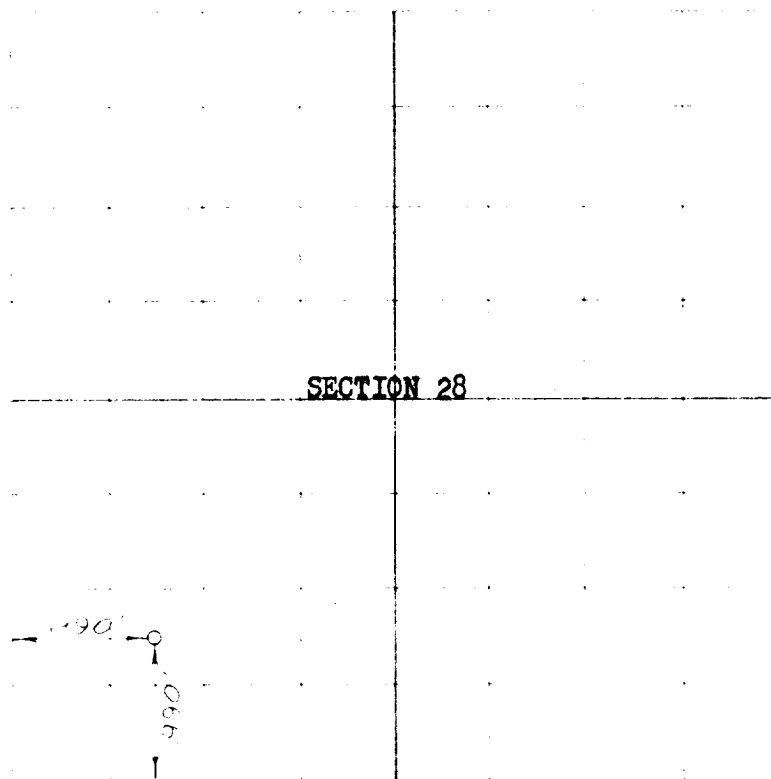
SF 078138

990 FEET FROM THE SOUTH LINE, 990 FEET FROM THE WEST LINE

SW/4 OF THE SW/4

28 30 11 SAN JUAN COUNTY, NEW MEXICO

5970⁷²



FEBRUARY 2 56

C. O. Walker
REGISTERED SURVEYOR
FARMINGTON, NEW MEXICO

RECEIVED

FEB 8 1956

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

160 ACRES, SW/4 SECTION (PLAT)