

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. 078886
Unit Canyon Largo Unit

SUNDRY NOTICES AND REPORTS ON WELLS FEB 18 1959

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.....			

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

February 17, 1959

Well No. 75 is located 1090 ft. from N line and 1650 ft. from W line of sec. 21

NW Sec. 21
(1/4 Sec. and Sec. No.)

24N
(Twp.)

6W
(Range)

N.M.P.M.
(Meridian)

Otero P. C. Ext. ✓
(Field)

Rio Arriba
(County or Subdivision)

New Mexico
(State or Territory)

The elevation of the derrick floor above sea level is 6881 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 and to perforate and water fracture possible producing zones. Est. T. D. 2440'.

Casing Program:

8 5/8" at 120' with 125 sacks regular cement circulated to surface.
5 1/2" at 2440' with 75 sacks regular cement, 75 sacks Pozmix.

The NW/4 of Section 21 is dedicated to this well.

NW/4: SP 078886

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 Company

Address Box 997

Farmington, New Mexico

By ORIGINAL SIGNED J.J. TILLERSON

Title Petroleum Engineer

Well Location and Average Depth and Flow

Section A.

Date: **FEBRUARY 16, 1959**

Operator **EL PASO NATURAL GAS COMPANY** Lease **CANYON LARGO UNIT** SF **078886**
 Well No. **75** Unit Letter **C** Section **21** Township **24-N** Range **6-W** NE/4
 Located **1090** Feet From **NORTH** Line, **1650** East Line **WEST** 1/4
 County **RIO ARriba** G. L. Elevation **6871** Oil Area Acres **160** Acre
 Name of Producing Formation **PICTURED CLIFF** P. **OTERO PICTURED CLIFF EXTENSION**

1. Is the Operator the only owner in the dedicated acreage outlined on this plat or map?

Yes ☒ No2. If the answer to question one is "No", have the interests of all the owners been ascertained by a written agreement or otherwise? Yes ☐ No ☐ If answer to question one is "No", state the following:

3. If the answer to question two is "No", list all the owners and their respective interests below:

Owner

Interest or share

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.

El Paso Natural Gas Company

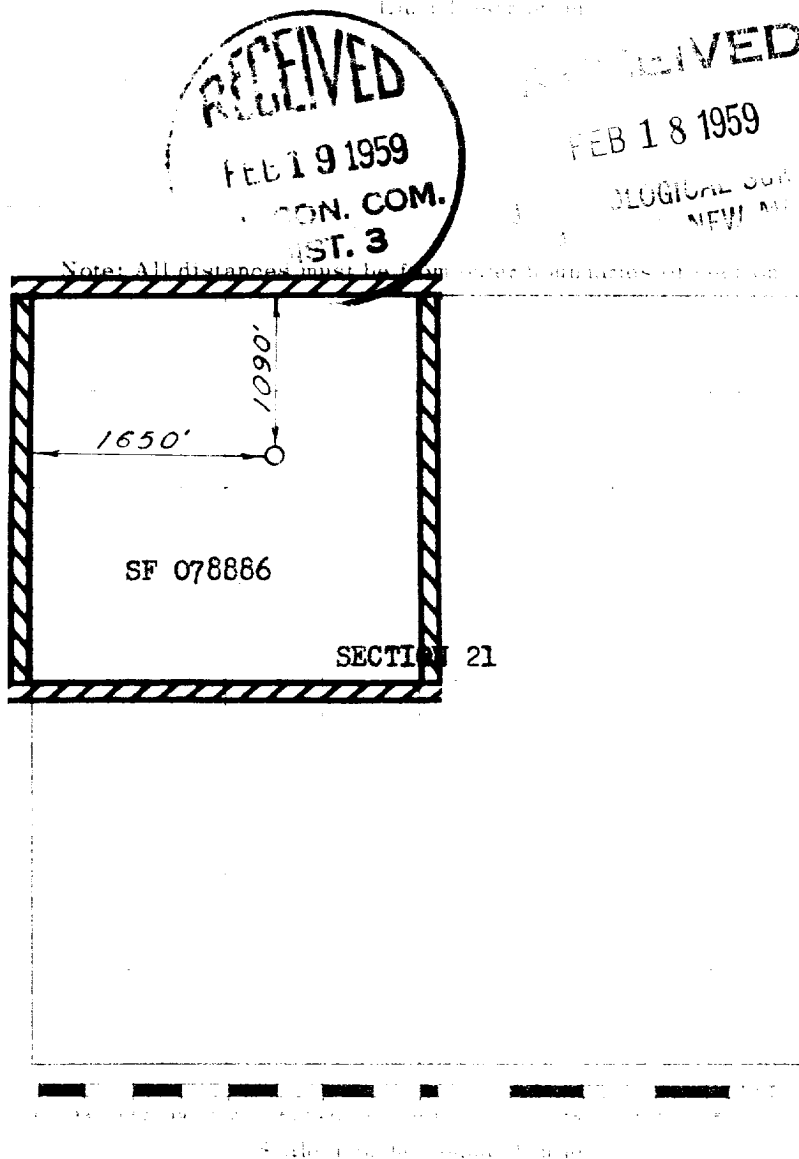
Operator

ORIGINAL SIGNED J.J. TILLERCOM

(Representative)

Box 997

Address:

Farmington, New Mexico

This is to certify that the above plat was prepared from the original survey and is a true and correct copy of the same to the best of my knowledge and belief.

Signed

Date Signed

NOVEMBER 25, 1958

David O. Kilmer
 Registered Professional Engineer and/or Land Surveyor

Farmington, New Mexico

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE March 19, 1959

Operator El Paso Natural Gas		Lease Canyon Largo No. 75	
Location 1090N, 1650W; 21-24-6		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Otero P.C. ent.	
Casing: Diameter 5-1/2	Set At: Feet 2462	Tubing: Diameter 1-1/4	Set At: Feet 2421
Pay Zone: From 2352	To 2406	Total Depth: 2458 c/o 2440	Shut in 3/12/59
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75		Choke Constant: C 12.365		test. Dry flow during/ Blev tbg. for 7-8 min. prior to test. No liquids.	
Shut-In Pressure, Casing, PSIG 635	- 12 - PSIA 647	Days Shut-In 7	Shut-In Pressure, Tubing, PSIG 635	- 12 - PSIA 647	
Flowing Pressure: P, PSIG 15	- 12 - PSIA 27		Working Pressure, Pw, PSIG 92	- 12 - PSIA 104	
Temperature: T, °F 55			Fpv (From Tables) 1.004	Gravity .650	

CHOKE VOLUME = $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$

$$Q = 12.365 \times 27 \times 1.0048 \times .9608 \times 1.004$$

324

MCF/D

$$\text{OPEN FLOW } Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$Aof = \left(\frac{418609}{407793} \right)^n$$

$$1.0265^{.65} \times 324 = 1.0224 \times 324$$

Aof 331 MCF/DTESTED BY D. K. Bryant

WITNESSED BY _____



L. D. Galloway
L. D. Galloway
ay J.R.

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