

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE March 28, 1958

Operator El Paso Natural Gas Company		Lease Rincon 109	
Location 1050 N, 840 W, 19-27-6		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool S. Blanco, Pictured Cliffs	
Casing: Diameter 5-1/2	Set At: Feet 3236	Tubing: Diameter 1-1/4	Set At: Feet 3155
Pay Zone: From 3112	To 3166	Total Depth: 3236 c/o 3180	Shut-in 2-24-58
Stimulation Method Sand Water Frac		Flow Through Casing x	Flow Through Tubing

Choke Size, Inches 0.75		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 1049	- 12 = PSIA 1061	Days Shut-In 32	Shut-In Pressure, Tubing PSIG 1049	- 12 = PSIA 1061	
Flowing Pressure: P PSIG 192	- 12 = PSIA 204		Working Pressure: P _w PSIG 321	- 12 = PSIA 333	
Temperature: T °F 58	n = .85		F _{pv} (From Tables) 1.024	Gravity .698	

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

$$Q = 12.365 \times 204 \times 1.0019 \times 9292 \times 1.024 = \underline{2405} \text{ MCF/D}$$

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

$$Aof = \left(\frac{1125721}{1014832} \right)^n = (1.1092)^{.85} \times 2405 = (1.0921) \times 2405$$

$$Aof = \underline{2627} \text{ MCF/D}$$

TESTED BY R. Proctor

WITNESSED BY _____

Checked By: H. L. Kendrick

Lewis D. Galloway
L. D. Galloway



NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

(Form C-104)
Revised 7/1/57

REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well
~~Recompletion~~

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Farmington, New Mexico

April 7, 1958

(Place)

(Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

El Paso Natural Gas Company Rincon Unit Well No. 109 in NW $\frac{1}{4}$ NW $\frac{1}{4}$,
(Company or Operator) (Lease)

D 19 T. 27N R. 6W NMPM, South Blanco P.C. Pool
Unit Letter

Rio Arriba

County. Date Spudded 2-3-58

Date Drilling Completed 2-9-58

Please indicate location:

Elevation 6588'

Total Depth 3252' ~~XXXX~~ O. 3180'

Top Oil/Gas Pay 3112' (Perf.) Name of Prod. Form. Pictured Cliffs

PRODUCING INTERVAL -

Perforations 3112-3128

Open Hole None Depth Casing Shoe 3246' Depth Tubing 3155'

OIL WELL TEST -

Natural Prod. Test: _____ bbls. oil, _____ bbls water in _____ hrs, _____ min. Choke Size _____

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): _____ bbls. oil, _____ bbls water in _____ hrs, _____ min. Choke Size _____

GAS WELL TEST -

Natural Prod. Test: _____ MCF/Day; Hours flowed _____ Choke Size _____

Method of Testing (pitot, back pressure, etc.): _____

Test After Acid or Fracture Treatment: 2627 MCF/Day; Hours flowed 3

Choke Size 3/4" Method of Testing: Calculated A.O.F.

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): 34,600 gal. water and 35,000# sand.

Casing 1061 Tubing 1061 Date first new Press. 1061 oil run to tanks

Oil Transporter El Paso Natural Gas Products Company

Gas Transporter El Paso Natural Gas Company

Remarks: _____

Tubing, Casing and Cementing Record

Size	Feet	Size
8 5/8"	119'	100
5 1/2"	3236'	150
1 1/4"	3155'	

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved April 7 APR 10 1958, 1958

El Paso Natural Gas Company
(Company or Operator)

By: Original Signed D. C. Johnston
(Signature)

Title Petroleum Engineer

Send Communications regarding well to:

Name E. S. Oberly,

Address Box 997, Farmington, New Mexico

OIL CONSERVATION COMMISSION

Original Signed Emery C. Arnold

By: _____

Title Supervisor, Dist. # 3

APR 10 1958
OIL CON. COM.
DIST. 3