

OPEN FLOW TEST DATA

Date: June 29, 1956

Operator: El Paso Natural Gas Company Lease: Bolack # 5-C

Location: 1150'S, 1750'E, Sec. 30-27-8 County: San Juan State: N.M.

Formation: Pictured Cliff Pool: South Blanco

Casing: 5 1/2 " Set @ 2140 ' Tubing: 1 3/4 " Set @ 2035 ' Total Depth: 2140 - c/o - 2090 ' Pay Zone: 2051 ' To: 2074 ' Choke Size: 3/4 " Choke Constant = C = 14.1605

Stimulation Method: Sand Water Frac. Flow Through: Casing X Tubing

Shut-In Pressure Casing: 703 psig / 12 = 715 psia (Shut-in days)

Shut-In Pressure Tubing: 703 psig / 12 = 715 psia

Flowing Pressure: P : 168 psig / 12 = 180 psia

Working Pressure: P_w : 201 psig / 12 = 213 psia

Temperature: T : 78 °F / 460 = 538 ° Absolute

F_{pv} (from tables) : 1.015 Gravity 0.650 est. n 0.85

$$\text{Choke Volume} = Q = C \times P_t \times F_t \times F_g \times F_{pv}$$

$$= 14.1605 \times 168 \times .9831 \times .9608 \times \frac{1}{1.015} = \underline{2281} \text{ MCF/D}$$

$$\text{Open Flow} = Aof = C \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n$$

$$Aof = 2281 \left[\frac{511,225}{478,825} \right]^n = (1.0677)^{.85} Q = 1,0573 (Q)$$

$$Aof = \underline{2,412} \text{ MCF/D}$$

Tested By: D. C. Adams

Witnessed By:



Lewis D. Galloway
L. D. Galloway

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

(Form C-104)
(Revised 7/1/52)

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 oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Farmington, N.M.

July 6, 1956

(Place)

(Date)

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

El Paso Natural Gas Co.

Bolack

Well No. 5-C

in SW

1/4

SE

1/4

(Company or Operator)

(Lease)

Unit

Letter

Sec. 30

T. 27N

R. 8W

NMPM, So. Blanco P.C.

Pool

San Juan

County. Date Spudded 6-1-56

Date Completed 6-20-56

Please indicate location:

D	C	B	A
E	F	G	H
I	K	J	L
M	N	O	P

1150'S, 1750'E

Casing and Cementing Record

Size	Feet	Sax
9 5/8"	121'	100
5 1/2"	2130'	150
1 1/4"	2035'	---

Elevation 6093' Total Depth 2140' ~~Per~~ C.O. 2076'

Top oil/gas pay 2051' (Perf.) Name of Prod. Form. Pictured Cliff

Casing Perforations: 2051-2074

Depth to Casing shoe of Prod. String 2140

Natural Prod. Test BOPD

based on bbls. Oil in Hrs. Mins.

Test after acid or shot BOPD

Based on bbls. Oil in Hrs. Mins.

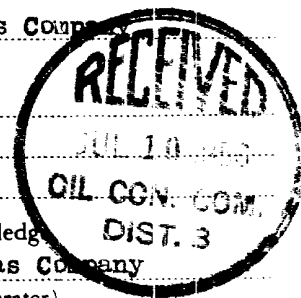
Gas Well Potential A.O.F. - 2,412 MCF/D, Ch. Volume - 2,281 MCF/D.

Size choke in inches

Date first oil run to tanks or gas to Transmission system: w/o Pipeline

Transporter taking Oil or Gas: El Paso Natural Gas Company

Remarks:



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

Approved July 10 1956, 19

El Paso Natural Gas Company

(Company or Operator)

OIL CONSERVATION COMMISSION

By:

Petroleum Engineer

Title:

Send Communications regarding well to:

Name:

E. J. Coel

Address:

Box 997, Farmington, New Mexico

By:

Title:

Oil and Gas Inspector Dist. 3

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

No. Copies Received

DISTRICT OFFICE

Operator

Sales Office

Production Office

State Office

U. S. G. O.

Transmitter

File