

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL POTENTIAL TEST-DATA SHEET

Form C-122-B

This form must be used for reporting all pitot tube tests made in the State. It is particularly important that it be used for reporting Initial Potential Tests in the San Juan Basin as prescribed by Order No. R-333 and by the New Mexico Oil Conservation Commission Manual of Tables and Procedure for Initial Potential (Pitot Tube) Tests.

POOL Blanco FORMATION Mesa Verde
COUNTY Rio Arriba DATE WELL TESTED February 7, 1956

OPERATOR El Paso Natural Gas LEASE San Juan 10-5 WELL NO. 10
1650'S
¼ SECTION: 1650'S UNIT LETTER 1 SEC. 15 TWP. 23N RGE. 5
CASING: 7.0 " O.D. SET AT 5945 TUBING 2.0 " WT. 4.7 SET AT 5855
PAY ZONE: FROM 5727 TO 5770 GAS GRAVITY: MEAS. EST. 0.050
TESTED THROUGH: CASING TUBING X
TEST NIPPLE 3/4" choke I.D. TYPE OF GAUGE USED ☐ (Spring) ☒ INT ☐ (Monometer)

OBSERVED DATA

SHUT IN PRESSURE: CASING 1081 psig TUBING: 1081 psig S. I. PERIOD 22 days
TIME WELL OPENED: 11:35 A.M. TIME WELL GAUGED: 2:35 P.M.
IMPACT PRESSURE: _____

VOLUME (Table I) (a)

MULTIPLIER FOR PIPE OR CASING (Table II) (b)

MULTIPLIER FOR FLOWING TEMP. (Table III) (c)

MULTIPLIER FOR SP. GRAVITY (Table IV) (d)

AVE. BAROMETER PRESSURE AT WELLHEAD (Table V)

MULTIPLIER FOR BAROMETRIC PRESSURE (Table VI) (e)

INITIAL POTENTIAL, MCF/24 Hrs. (a) x (b) x (c) x (d) x (e) = 1081 = 5,063
See attached sheet

WITNESSED BY: _____ TESTED BY: T. D. Grant
COMPANY: _____ COMPANY: El Paso Natural Gas Co.
TITLE: _____ TITLE: Gas Engineer



INSTRUMENT COMMISSION	
RECEIVED	
DATE	
TIME	
BY	
OFFICE	
REMARKS	
FILE	

OPEN FLOW TEST DATA

Date: February 7, 1956
 Operator: El Paso Natural Gas Company
 Lease: San Juan 28-5 Unit # 10
 Location: 1650'S, 1650'W, 15-28N-5W
 County: Rio Arriba State: N.M.
 Formation: Mesa Verde
 Pool: Blanco
 Casing 5 1/2 "set 5945
7 "set 3657 Tubing 2 "set 5855
5694 5704
 Pay Zone: 5727.5820 ' to 5770.5858 ' Total Depth: 5930 '

Stimulation Method: Sand Oil Frac.

Choke Size: 0.750 " Choke Constant = C = 238

Flow Through: Casing _____ Tubing X

Shut In Pressure Casing: 1081 psig / 12 = 1093 psia (Shut in 22 days)

Shut In Pressure Tubing: 1084 psig / 12 = 1096 psia

Flowing Pressure: P : 257 psig / 12 = 269 psia

Working Pressure: P_w : 647 psig / 12 = 659

Temperature: T : 50 °F / 460 = 510 °Absolute

Sp_g (from tables) : 1.028 Gravity 0.650 n 0.750

Choke Volume = 0.001 cu ft

G.T.

$$Q = \frac{238 \times 269 \times 1.028}{0.650 \times 510} = \frac{65,815}{18.21} = 3,614 \text{ cu ft/day}$$

$$\text{Open Flow} = Q_{of} = \frac{P_c^2}{P_c^2 - P_w^2}$$

$$Q_{of} = 3614 \times \frac{1,201,216}{766,935} = 3614(1.5663)^n = 3614 \times 1.4010$$

$$Q_{of} = 5,063 \text{ MCF/L}$$

Tested by: T. B. Grant

Witnessed by: _____



J. B. Calloway
 J. B. Calloway

