

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 Manuel of Tables and Procedure for Initial Potential (Pitot Tube) Tests.

POOL Ballard FORMATION Pictured Cliff
COUNTY San Juan DATE WELL TESTED February 4, 1956

OPERATOR J. Glen Turner LEASE Huerfano Unit WELL NO. 35-34

¼ SECTION: NE UNIT LETTER A SEC. 34 TWP. 27N RGE. 9W

CASING: _____ " O.D. SET AT _____ TUBING _____ " WT. _____ SET AT _____

PAY ZONE: FROM _____ TO _____ GAS GRAVITY: MEAS. _____ EST. _____

TESTED THROUGH: CASING ☒ TUBING _____

TEST NIPPLE 2 I.D. TYPE OF GAUGE USED ☒ (Spring) ☐ (Monometer)

0.75" choke

OBSERVED DATA

SHUT IN PRESSURE: CASING 633 psig TUBING: 633 psig S. I. PERIOD 12 days

TIME WELL OPENED: 10:50 A.M. TIME WELL GAUGED: 1:50 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)

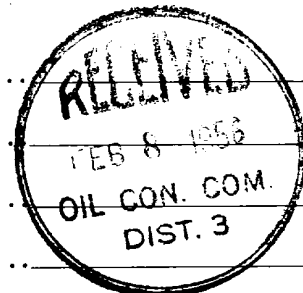
MULTIPLIER FOR BAROMETRIC PRESSURE (Table VI) (e)

INITIAL POTENTIAL, MCF/24 Hrs. (a) x (b) x (c) x (d) x (e) = Aof = 1,112 MCF/D
See attached sheet

WITNESSED BY: Virgil Stoenbs TESTED BY: L. D. Galloway

COMPANY: Benson-Montin-Greer COMPANY: El Paso Natural Gas Company

TITLE: Engineer TITLE: Gas Engineer



OPEN FLOW TEST DATA

Date: February 4, 1956

Operator: J. Glen Turner

Lease: Huerfano Unit # 35-34

Location: 790'N, 790'E, 34-27N-9W

County: San Juan State: N.M.

Formation: Pictured Cliff

Pool: Ballard

Casing 5 1/2 "set G 2264 ' Tubing 1 "set C 2317 ' ,

Pay Zone: 2261 ' to 2334 ' Total Depth: 2334 ' ,

Stimulation Method: Sand Oil Frac.

Choke Size: 0.75 " Choke Constant = C = 238

Flow Through: Casing X Tubing _____

Shut In Pressure Casing: 633 psig / 12 = 645 psia (Shut in 12 days)

Shut In Pressure Tubing: 633 psig / 12 = 645 psia

Flowing Pressure: P : 72 psig / 12 = 84 psia

Working Pressure: P_w : 74 psig / 12 = 86

Temperature: T : 53 °F / 460 = 513 °Absolute

F_{pv} (from tables) : 1.009 Gravity .650 est. n .85

Choke Volume = $Q = \frac{C P F_{pv}}{\sqrt{G.T.}}$

$Q = \frac{19,992}{\sqrt{\frac{333.5}{P_c^2 - P_w^2}}} = \frac{19,992}{18.26} = 1,095$ MCF/D

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

Aof = 1095 $\left[\frac{416,025}{408,629} \right]^n = 1.0181^{.85} = 1.0154$

Aof = 1,112 MCF/D

Tested by: L. D. Galloway

Witnessed by: Virgil Stoabs

L. D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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