

Initial Deliverability
Test

Form C-122-A
Revised April 20, 1955

NEW MEXICO OIL CONSERVATION COMMISSION
GAS WELL TEST DATA SHEET - - SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, & ALL DAKOTA
EXCEPT BARKER DOME STORAGE AREA)

Pool Blanco-Pictured Cliffs Formation Pictured Cliffs County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed February 3, 1959

Operator PAN AMERICAN PETROLEUM CORP. Lease E. L. Elliott "B" Well No. 4
Unit P Sec. 27 Twp. 30N Rge. 9W Pay Zone: From 2528 To 2569
Casing: OD 5-1/2 WT. 14 Set At 2821 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 2530
Produced Through: Casing x Tubing _____ Gas Gravity: Measured 0.647* Estimated _____
Date of Flow Test: From 1-6-59 To 1-15-59 * Date S.I.P. Measured 9-3-58
Meter Run Size 4" Orifice Size 1.750* Type Chart 30, 86 Type Taps Flange

OBSERVED DATA

Flowing casing pressure (Dwt) _____ psig + 12 = _____ psia (a)
Flowing tubing pressure (Dwt) _____ psig + 12 = _____ psia (b)
Flowing meter pressure (Dwt) _____ psig + 12 = _____ psia (c)
Flowing meter pressure (meter reading when Dwt. measurement taken:
Normal chart reading _____ psig + 12 = _____ psia (d)
Square root chart reading (_____) ² x spring constant _____ = _____ psia (d)
Meter error (c) - (d) or (d) - (c) _____ ± _____ psi (e)
Friction loss, Flowing column to meter:
(b) - (c) Flow through tubing: (a) - (c) Flow through casing _____ = _____ psi (f)
Seven day average static meter pressure (from meter chart):
Normal chart average reading _____ psig + 12 = _____ psia (g)
Square root chart average reading (7.30*) ² x sp. const. 5 = 252 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 252 psia (h)
P_t = (h) + (f) _____ = 252 psia (i)
Wellhead casing shut-in pressure (Dwt) 1036 psig + 12 = 1048 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1036 psig + 12 = 1048 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1048 psia (l)
Flowing Temp. (Meter Run) 65* °F + 460 _____ = 523 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 524 psia (n)

FLOW RATE CALCULATION

$$Q = \text{(Integrated)} \times \left(\frac{\sqrt{(c)} = \text{_____} = \text{_____}}{\sqrt{(d)} = \text{_____}} \right)^* = \text{_____ MCF/day}$$

DELIVERABILITY CALCULATION

$$D = Q \text{ } \underline{1570} \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{823,728}{1,036,000} \right]^n \text{ } \underline{0.824} = \underline{1310} \text{ MCF/day.}$$

SUMMARY

P_c = 1048 psia
Q = 1570* Mcf/day
P_w = 252 psia
P_d = 524 psia
D = 1310 Mcf/day

Company PAN AMERICAN PETROLEUM CORPORATION
By R. H. Bauer, Jr. RM Bauer
Title Field Engineer
Witnessed by _____
Company _____

- * This is date of completion test.
- * Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(F _c Q) ²	(F _c Q) ² (1-e ^{-S}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
Friction Loss Negligible						

* Furnished by pipeline company.

INITIAL DELIVERABILITY TEST

