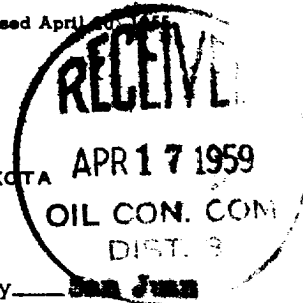


Initial Deliverability
Test

Form C-122-A
Revised April 10, 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 Anteo-Pictured Cliffs Formation Pictured Cliffs County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed 4-16-59

Operator PAN AMERICAN PETROLEUM CORP. Lease State of N. Mex. Gas Unit Well No. 1
Unit 1 Sec. 36 Twp. 29N Rge. 9W Pay Zone: From 2081 To 2115
Casing: OD 4-1/2 WT. 9.5 Set At 2155 Tubing: OD 1.66 WT. 2.3 T. Perf. 2081
Produced Through: Casing X Tubing _____ Gas Gravity: Measured 0.6500 Estimated _____
Date of Flow Test: From 3-22-59 To 3-18-59 * Date S.I.P. Measured 3-12-59
Meter Run Size 4" Orifice Size 1.250" Type Chart SG. M. 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 (7.350) ² x sp. const. 5 _____ = _____ psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = _____ psia (i)
Wellhead casing shut-in pressure (Dwt) 857 psig + 12 = _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = _____ psia (l)
Flowing Temp. (Meter Run) 58.1 °F + 460 _____ = _____ °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = _____ psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \text{_____ MCF/da}$
(Integrated)

DELIVERABILITY CALCULATION

D = Q 412 $\left[\frac{(P_c^2 - P_d^2) = \text{_____}}{(P_c^2 - P_w^2) = \text{_____}} \right]^n \text{_____} = \text{_____ MCF/da.}$
365.9% 0.853 351

SUMMARY

P_c = 869 psia
Q = 412 Mcf/day
P_w = 270 psia
P_d = 435 psia
D = 351 Mcf/day

Company PAN AMERICAN PETROLEUM CORPORATION
By R. M. Sawyer, Jr.
Title Field Engineer
Witnessed by _____
Company _____

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

*Furnished by pipeline company

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						

INITIAL DELIVERABILITY TEST