

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 June 18, 1959
Operator Pan American Petroleum Corp. Lease Vilbarri Gas Unit Well No. 2
Unit 0 Sec. 35 Twp. 30N Rge. 9W Pay Zone: From 2396 To 2364
Casing: OD 4 1/2 WT. 9.5 Set At 2396 Tubing: OD 1.46 WT. 2.3 T. Perf. 2392
Produced Through: Casing X Tubing _____ Gas Gravity: Measured 0.633 Estimated _____
Date of Flow Test: From 5-7-59 To 5-15-59 * Date S.I.P. Measured 4-6-59
Meter Run Size 4" Orifice Size 1.750 Type Chart Sq. Rt. 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 (7.45) ² x sp. const. 5 _____ = 270 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 270 psia (h)
P_t = (h) + (f) _____ = 270 psia (i)
Wellhead casing shut-in pressure (Dwt) 1073 psig + 12 = 1085 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1073 psig + 12 = 1085 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1085 psia (l)
Flowing Temp. (Meter Run) 64° °F + 460 _____ = 506 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 543 psia (n)

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

DELIVERABILITY CALCULATION

D = Q 21,200 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^{.n}$ 0.8391 = 1,040 MCF/da.

SUMMARY

P_c = 1,085 psia
Q = 1,200 Mcf/day
P_w = 270 psia
P_d = 543 psia
D = 1,040 Mcf/day

Company Pan American Petroleum Corporation
By R. M. Bauer, Jr.
Title Area 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 R ²	(1-e ^{-S})	P _t ² (Column i)	P _t ² + R ²	P _w
Friction Loss Negligible							

Furnished by pipeline company.

OK

