

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 Mesa-Pictured Cliffs Formation Pictured Cliffs County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed March 2, 1960
Operator Pan American Petroleum Corp. Lease Block One Well Well No. 1
Unit 6 Sec. 6 Twp. 30N Rge. 7E Pay Zone: From 2024 To 2028
Casing: OD 7 WT. 20 Set At 2046 Tubing: OD 2-1/2 WT. 2.4 T. Perf. 2024-2028
Produced Through: Casing 1 Tubing 1 Gas Gravity: Measured 0.678 Estimated 0.678
Date of Flow Test: From 2-2-60 To 2-4-60 * Date S.I.P. Measured 11-21-59
Meter Run Size 1" Orifice Size 1.900 Type Chart Eq. 24 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 (7.66)² x sp. const. 5 _____ = 293 psia (g)
Corrected seven day avg. meter press. (p_f) (g) + (e) _____ = 293 psia (h)
P_t = (h) + (f) _____ = 293 psia (i)
Wellhead casing shut-in pressure (Dwt) 297 psig + 12 = 309 psia (j)
Wellhead tubing shut-in pressure (Dwt) 297 psig + 12 = 309 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 309 psia (l)
Flowing Temp. (Meter Run) 60 °F + 460 _____ = 500 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 154 psia (n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

D = Q 492 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \text{_____ MCF/day}$
779.041 0.470 426

SUMMARY

P_c = 309 psia
Q = 492 Mcf/day
P_w = 297 psia
P_d = 154 psia
D = 426 Mcf/day
Company Pan American Petroleum Corporation
By E. E. Hauer, 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 (1-e ^{-S}) R ²	P _t ² (Column 4)	P _t ² + R ²	P _w
Friction	Loss	Negligible				

* Furnished by pipeline company.



