

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 Santa Sabota Formation Sabota County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed 3-23-64
Operator PAN AMERICAN PETROLEUM CORP. Lease Gallegos Canyon Unit Well No. 89
Unit C Sec. 6 Twp. 27N Rge. 13E Pay Zone: From 2947 To 2957
Casing: OD 4-1/2 WT. 30.5 Set At 6124 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 2943
Produced Through: Casing _____ Tubing 2 Gas Gravity: Measured .660 Estimated _____
Date of Flow Test: From 4-13-64 To 4-23-64 * Date S.I.P. Measured 6-20-61
Meter Run Size 4" Orifice Size 2.000 Type Chart Sq. R. 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 (4.93)² x sp. const. 10 _____ = 483 psia (g)
Corrected seven day avg. meter press. (p_f) (g) + (e) _____ = 483 psia (h)
P_t = (h) + (f) _____ = 483 psia (i)
Wellhead casing shut-in pressure (Dwt) 2113 psig + 12 = 2125 psia (j)
Wellhead tubing shut-in pressure (Dwt) 2113 psig + 12 = 2125 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 2125 psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 _____ = _____ ° Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 1062 psia (n)

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

DELIVERABILITY CALCULATION

D = Q 4342 $\left[\frac{(P_c^2 - P_d^2) = \text{_____}}{(P_c^2 - P_w^2) = \text{_____}} \right]^n \text{_____} = \text{_____ MCF/da.}$
1,303,426 3,826,006 .9123 4162

SUMMARY

P_c = 2113 psia
Q = 4342 Mcf/day
P_w = 831 psia
P_d = 1062 psia
D = 4162 Mcf/day

Company PAN AMERICAN PETROLEUM CORPORATION
By F. L. Moore
Title District Engineer
Witnessed by Bye ORIGINAL SIGNED BY
Company F. W. Foll

- * 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
<u>2922</u>	<u>0.348</u>	<u>1,839,717</u>	<u>436,230</u>	<u>233,300</u>	<u>600,530</u>	<u>831</u>

