

Initial Deliverability
Test

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 Basin Dakota Formation Dakota County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed January 11, 1962

Operator Pan American Petr. Corp. Lease Jicarilla Contract 155 Well No. 13
Unit I Sec. 30 Twp. 26N Rge. 9W Pay Zone: From 7100 To 7110
Casing: OD 4-1/2 WT. 9.5 & 11.6 Set At 7474 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 7070
Produced Through: Casing _____ Tubing I Gas Gravity: Measured .715 Estimated _____
Date of Flow Test: From 11/30/61 To 12/7/61 * Date S.I.P. Measured 5/31/61 (Initial)
Meter Run Size 4 Orifice Size 1.000 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. 10 _____ = 555 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 555 psia (h)
P_f = (h) + (f) _____ = 555 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) 2391 psig + 12 = 2343 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 2343 psia (l)
Flowing Temp. (Meter Run) 75 °F + 460 _____ = 535 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 1172 psia (n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

D = Q 484 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \text{_____ MCF/da.}$
4.116,069
5,175,246

SUMMARY

P_c = 2343 psia
Q = 484 Mcf/day
P_w = 361 psia
P_d = 1172 psia
D = 408 Mcf/day

Company Pan American Petroleum Corporation
By R. H. Bauer, Jr. R.H. Bauer Jr
Title Senior Petroleum 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 DIST. 3	P _w
<u>3061</u>	<u>.308</u>	<u>20,708</u>	<u>6,376</u>	<u>308,025</u>	<u>314,403</u>	<u>361</u>

RECEIVED
JAN 12 1962

RECEIVED
JAN 21 1962
OIL CON. COM.
DIST. 3