

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 Flores Vista Mesaverde Formation Mesaverde County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator Pan American Petroleum Corp. Lease Shedje Gas Unit Well No. 1
Unit F Sec. 27 Twp. 30N Rge. 12W Pay Zone: From 3299 To 3118
Casing: OD 7" WT. 20 & 23 Set At 6339 Tubing: OD 2 3/8 WT. 4.7 T. Perf. 3205
Produced Through: Casing _____ Tubing I Gas Gravity: Measured .694 Estimated _____
Date of Flow Test: From 5-22-62 To 5-30-62 * Date S.I.P. Measured November 29, 1961
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 (7.10) ² x sp. const. 10 _____ = 908 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 908 psia (h)
P_t = (h) + (f) _____ = 908 psia (i)
Wellhead casing shut-in pressure (Dwt) 1332 psig + 12 = 1344 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1321 psig + 12 = 1333 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1333 psia (l)
Flowing Temp. (Meter Run) 57 °F + 460 _____ = 517 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 667 psia (n)

Q = 3241 (Integrated) x $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^* = \underline{3241} \text{ MCF/da}$

DELIVERABILITY CALCULATION

D = Q 3241 $\left[\frac{(P_c^2 - P_d^2) = \underline{1,332,000}}{(P_c^2 - P_w^2) = \underline{1,380,807}} \right]^n \underline{.9735} = \underline{3155} \text{ MCF/da.}$

SUMMARY

P_c = 1333 psia
Q = 3241 Mcf/day
P_w = 629 psia
P_d = 667 psia
D = 3155 Mcf/day

Company PAN AMERICAN PETROLEUM CORPORATION
By E. M. Poell
Title 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 + H ²	P _w
<u>2280</u>	<u>.153</u>	<u>926,935</u>	<u>142,666</u>	<u>254,016</u>	<u>396,082</u>	<u>629</u>

DUAL WELL

Packer set at 6100.

JUN 14 1962

OIL CON. COM.
DIST. 3

