

Initial Deliverability
TestForm C-122-A
Revised April 20, 1955NEW 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 Formation Dakota County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed 1-4-66
Operator Pan American Petroleum Corp. Lease Chrisman Gas Com Well No. 1
Unit L Sec. 11 Twp. 30 Rge. 12 Pay Zone: From 6756 To 6824
Casing: OD 4 $\frac{1}{2}$ WT. 10.5 Set At 6901 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 6727
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .696 Estimated _____
Date of Flow Test: From 12-4-65 To 12-12-65 * Date S.I.P. Measured 9-7-65
Meter Run Size 4" Orifice Size _____ 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. _____ = 555 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 555 psia (h)
P_t = (h) + (f) _____ = 555 psia (i)
Wellhead casing shut-in pressure (Dwt) 1896 psig + 12 = 1908 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1901 psig + 12 = 1913 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1913 psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 _____ = _____ °Abs (m)
P_d = $\frac{1}{2}$ P_c = $\frac{1}{2}$ (l) _____ = 957 psia (n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

$$D = Q \text{ } 339 \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n \text{ } .8612 = 292 \text{ MCF/day}$$

SUMMARY

P_c = 1913 psia
Q = 339 Mcf/day
P_w = 557 psia
P_d = 957 psia
D = 292 Mcf/day

Company Pan American Petroleum Corporation
By G. W. Eaton, 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})	P _t ²	P _t ² + R ²	P _w
			R ²	(Column i)		
4682	0.289	10.159	2.936	308.025	310,961	557