

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)

300-080

Pool Undesignated Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline Pacific Northwest Date Test Filed _____

Operator El Paso Natural Gas Lease San Juan 27-4 Well No. 19 (P)
Unit A Sec. 5 Twp. 27 Rge. 4 Pay Zone: From 4074 To 4158
Casing: OD. 7-5/8 WT. 26.4 Set At 4252 Tubing: OD. 1-1/4 WT. 2.4 T. Perf. 4067
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .713 Estimated _____
Date of Flow Test: From 1/22/59 To 1/30/59 Date S.I.P. Measured 10/27/58
Meter Run Size _____ Orifice Size _____ Type Chart _____ Type Taps _____

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 (7.19) ² x sp. const. 10 = 517 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 517 psia (h)
P_t = (h) + (f) _____ = 517 psia (i)
Wellhead casing shut-in pressure (Dwt) 955 psig + 12 = 967 psia (j)
Wellhead tubing shut-in pressure (Dwt) 955 psig + 12 = 967 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 967 psia (l)
Flowing Temp. (Meter Run) 44 °F + 460 _____ = 504 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 484 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^* = \text{89} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 89 $\left[\frac{\left(P_c^2 - P_d^2 \right)}{\left(P_c^2 - P_w^2 \right)} = \frac{700833}{667800} \right]^n \frac{1.0494}{1.0418} = \text{93} \text{ MCF/da.}$

SUMMARY

P_c = 967 psia Company El Paso Natural Gas
Q = 89 Mcf/day By Original Signed
P_w = 517 psia Title Harold L. Kendrick
P_d = 484 psia Witnessed by _____
D = 93 Mcf/day 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	P _w
			Friction Negligible			

D at 500 = 90

