

Initial Deliverability
TestNEW 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 Blanco Formation Mesa Verde County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator El Paso Natural Gas Lease San Juan 30-6 Well No. 35-24
Unit A Sec. 24 Twp. 30 Rge. 6 Pay Zone: From 5318 To 5614
Casing: OD 2-7/8 WT. 6.4 Set At 5682 Tubing: OD none WT. _____ T. Perf. _____
Produced Through: Casing R Tubing _____ Gas Gravity: Measured .593 Estimated _____
Date of Flow Test: From 1-7-61 To 1-15-61 * Date S.I.P. Measured 11-15-60
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 (7.05) ² x sp. const. 10 _____ = 497 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 497 psia (h)
P_t = (h) + (f) _____ = 497 psia (i)
Wellhead casing shut-in pressure (Dwt) 615 psig + 12 = 627 psia (j)
Wellhead tubing shut-in pressure (Dwt) --- psig + 12 = --- psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 627 psia (l)
Flowing Temp. (Meter Run) 42 °F + 460 _____ = 502 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 314 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{V(c)}{V(d)} \right) = \underline{253}$ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 253 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{428}$ MCF/da.
294533 2.0156
146120 1.6910

SUMMARY

P_c = 627 psia
Q = 253 Mcf/day
P_w = 497 psia
P_d = 314 psia
D = 428 Mcf/day

Company El Paso Natural Gas Company
By H. L. Kendrick
Title Regional Engineer
Witnessed by Harold L. Kendrick
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 = 233

OK

