

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)

72-194-01

Pool Blanco Formation Mesa Verde County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Rincon Well No. 124
Unit H Sec. 34 Twp. 27 Rge. 7 Pay Zone: From 5290 To 5516
Casing: OD 7-5/8 WT. 25.4 Set At 5210 Tubing: OD 2" WT. 4.7 T. Perf. 5417
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .670 Estimated _____
Date of Flow Test: From 7/30/58 To 8/9/58 * Date S.I.P. Measured 2/25/58 (9 days)
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 (7.0) ² x sp. const. 10 _____ = 490 psia (g)
Corrected seven day avg. meter press. (p_f) (g) + (e) _____ = 490 psia (h)
P_t = (h) + (f) _____ = 490 psia (i)
Wellhead casing shut-in pressure (Dwt) 1045 psig + 12 = 1057 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1025 psig + 12 = 1037 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1037 psia (l)
Flowing Temp. (Meter Run) 73 °F + 460 _____ = 523 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 519 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{528} \text{ MCF/day}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 528 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{517} \text{ MCF/day}$
805000 ^{.9716} 827552 ^{.9786}

SUMMARY

P_c = 1037 psia
Q = 528 Mcf/day
P_w = 496 psia
P_d = 519 psia
D = 528 517 Mcf/day

Company El Paso Natural Gas
By Original Signed
Title Harold L. Kendrick
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 R ²	(1-e ^{-S})	P _t ² (Column i)	P _t ² + R ²	P _w
3629	.232	24,641	5717		240100	245117	496

D at 500 = 517