

Initial Deliverability
Test

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)

74-835

Pool Ballard Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Canyon Largo Well No. 74
Unit G Sec. 26 Twp. 24 Rge. 6 Pay Zone: From 2226 To 2280
Casing: OD 5-1/2 WT. 15.5 Set At 2335 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 2222
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .689 Estimated _____
Date of Flow Test: From 7/7/59 To 7/15/59 * Date S.I.P. Measured 5/15/59
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 216 psig + 12 = _____ psia (g)
Square root chart average reading (_____) ² x sp. const. _____ = 228 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 228 psia (h)
P_t = (h) + (f) _____ = 228 psia (i)
Wellhead casing shut-in pressure (Dwt) 666 psig + 12 = 678 psia (j)
Wellhead tubing shut-in pressure (Dwt) 667 psig + 12 = 679 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 678 psia (l)
Flowing Temp. (Meter Run) 69 °F + 460 _____ = 529 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 339 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right) = \underline{214} \text{ MCF/day}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 214 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{187} \text{ MCF/day}$
 $\frac{344763}{404785}$ $\frac{.8517}{.8726}$

SUMMARY

P_c = 678 psia
Q = 214 Mcf/day
P_w = 234 psia
P_d = 339 psia
D = 187 Mcf/day

Company El Paso Natural Gas
By _____
Title Original Signed
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
1531	.105	27.762	2,915	51984	54899	234

D at 250 = 207



