

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)

Pool Alamos Formation Mesa Verde County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____

Operator El Paso Natural Gas Lease El Paso Well No. 3
Unit L Sec. 32 Twp. 28 Rge. 9 Pay Zone: From 4428 To 4524
Casing: OD 5-1/2 WT. 15.5 Set At 4639 Tubing: OD 2 WT. 4.7 T. Perf. 4462
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .725 Estimated _____
Date of Flow Test: From 8/31/57 To 9/8/57 * Date S.I.P. Measured 5/1/57
Meter Run Size 4 Orifice Size 1.250 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 6.99 _____ psig + 12 = 483 psia (g)
Square root chart average reading (_____) ² x sp. const. 10 _____ = 483 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 483 psia (h)
P_t = (h) + (f) _____ = 1058 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = 1070 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = 1071 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1071 psia (l)
Flowing Temp. (Meter Run) 84 °F + 460 _____ = 544 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 536 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^* = \text{565} \text{ MCF/da}$
(Integrated)

DELIVERABILITY CALCULATION
D = Q 565 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{859,745}{907,826} \times \frac{.9470}{.9600} = \text{542} \text{ MCF/da.}$

SUMMARY
P_c = 1071 psia
Q = 565 Mcf/day
P_w = 489 psia
P_d = 536 psia
D = 542 Mcf/day
Company El Paso Natural Gas Company
By Original Signed
Title Lewis D. Galloway
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}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
3235	.210	28.217	5,926	233,289	239,215	489

B at 500 = 552

