

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 West Knts Formation Pictured Cliff County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator El Paso Natural Gas Lease Huerfano Well No. 65
Unit E Sec. 5 Twp. 26N Rge. 10W Pay Zone: From 2198 To 2238
Casing: OD 5½ WT. 15.5 Set At 2322 Tubing: OD 1½ WT. 2.3 T. Perf. 2165
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .625 Estimated _____
Date of Flow Test: From 2/28 To 3/9/57 * Date S.I.P. Measured 8/17/56
Meter Run Size _____ Orifice Size 1.0 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 _____ psig + 12 = _____ psia (g)
Square root chart average reading (6.45) ² x sp. const. 5 = 208 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 208 psia (h)
P_t = (h) + (f) = 208 psia (i)
Wellhead casing shut-in pressure (Dwt) 389 psig + 12 = 401 psia (j)
Wellhead tubing shut-in pressure (Dwt) 390 psig + 12 = 402 psia (k)
P_c = (j) or (k) whichever well flowed through = 401 psia (l)
Flowing Temp. (Meter Run) 45 °F + 460 = 505 °Abs (m)
P_d = ½ P_c = ½ (l) = 200 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{382} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 382 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n \frac{1.0243}{1.0206} = \underline{390} \text{ MCF/da.}$
 $\frac{120,400}{117,537}$

SUMMARY

P_c = 401 psia
Q = 382 Mcf/day
P_w = 208 psia
P_d = 201 psia
D = 390 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
			FRICITION NEGLIGIBLE			

D 250 = 311

OK



