

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 South Klanceo Pictured Cliff Formation Pictured Cliff County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator El Paso Natural Gas Lease Rincon Well No. 58
Unit M Sec. 24 Twp. 27 Rge. 7 Pay Zone: From 3232 To 3256
Casing: OD 5 1/4 WT. 15.5 Set At 3318 Tubing: OD 2 WT. 4.7 T. Perf. 3197
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .675 Estimated _____
Date of Flow Test: From 12/23 To 12/31 * Date S.I.P. Measured 11/1/56 (11 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 (7.45) ² x sp. const. 5 _____ = 278 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 278 psia (h)
P_t = (h) + (f) _____ = 278 psia (i)
Wellhead casing shut-in pressure (Dwt) 959 psig + 12 = 971 psia (j)
Wellhead tubing shut-in pressure (Dwt) 959 psig + 12 = 971 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 971 psia (l)
Flowing Temp. (Meter Run) 56 °F + 460 _____ = 516 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 486 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\text{_____}}{\sqrt{(d)}} = \text{_____} \right)^* = \underline{506} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 506 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{706,645}{862,276} \cdot \frac{.8195}{.8443} = \underline{427} \text{ MCF/da.}$

SUMMARY

P_c = 971 psia
Q = 506 Mcf/day
P_w = 284 psia
P_d = 486 psia
D = 427 Mcf/day

Company El Paso Natural Gas Company
By Original Signed
Title _____
Witnessed by Lewis D. Galloway
Company _____

* This is date of completion test.
* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(F _c Q) ²	(FcQ) ² (1-e ^{-S}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
2158	.145	22.629	3261	77,284	80,565	284

D @ 250 = 510

OK



