

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)

Canyon Largo Pictured Cliff Rio Arriba
Pool _____ Formation _____ County _____
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator El Paso Natural Gas Co. Lease Hamilton State Well No. 7
Unit C Sec. 32 Twp. 26N Rge. 7W Pay Zone: From 2896 To 2970
Casing: OD 7" WT. 20 Set At 2896 Tubing: OD 1 WT. 1.68 T. Perf. 2925
Produced Through: Casing X Tubing _____ Gas Gravity: Measured _____ Estimated .695
Date of Flow Test: From 1/16 To 1/23/56 * Date S.I.P. Measured 10/13/55
Meter Run Size 4 Orifice Size _____ 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: _____ psi (f)
(b) - (c) Flow through tubing: (a) - (c) Flow through casing _____
Seven day average static meter pressure (from meter chart):
Normal chart average reading _____ psig + 12 = _____ psia (g)
Square root chart average reading (7.35) ² x sp. const. 5 = 270 psia (g)
Corrected seven day avge. meter press. (P_f) (g) + (e) = 270 psia (h)
P_t = (h) + (f) = 270 psia (i)
Wellhead casing shut-in pressure (Dwt) 658 psig + 12 = 670 psia (j)
Wellhead tubing shut-in pressure (Dwt) 658 psig + 12 = 670 psia (k)
P_c = (j) or (k) whichever well flowed through = 670 psia (l)
Flowing Temp. (Meter Run) 45 °F + 460 = 505 °Abs (m)
P_d = ½ P_c = ½ (l) = 335 psia (n)

FLOW RATE CALCULATION

$$Q = \text{(integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \text{153 MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \text{ 153 } \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \text{139 MCF/da.}$$

SUMMARY

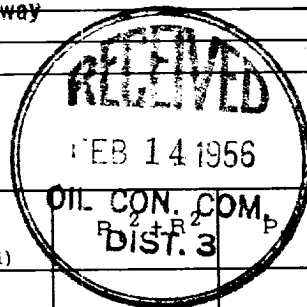
P_c = 670 psia
Q = 153 Mcf/day
P_w = 270 psia
P_d = 335 psia
D = 139 Mcf/day

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})	P _t ²
			R ²	(Column i)
			FRICTION NEGLIGIBLE	



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