

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 North Blanco Formation Pictured Cliff County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator El Paso Natural Gas Company Lease Bolack Well No. 6-C
Unit J Sec. 31 Twp. 27 Rge. 8 Pay Zone: From 1984 To 2010
Casing: OD 5 1/2 WT. 15.5 Set At 2084 Tubing: OD 1 1/4 WT. 2.30 T. Perf. 1953
Produced Through: Casing X Tubing _____ Gas Gravity: Measured 655 Estimated _____
Date of Flow Test: From 10/9/56 To 10/17/56 * Date S.I.P. Measured 6/29/56 (12 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 (7.35) 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) 702 psig + 12 = 714 psia (j)
Wellhead tubing shut-in pressure (Dwt) 702 psig + 12 = 714 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 714 psia (l)
Flowing Temp. (Meter Run) 60 °F + 460 _____ = 520 ° Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 357 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{329} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 329 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{294} \text{ MCF/da.}$
 $\frac{382,347}{436,896} \cdot \frac{.8751}{.8929}$

SUMMARY

P_c = 714 psia
Q = 329 Mcf/day
P_w = 270 psia
P_d = 357 psia
D = 294 Mcf/day
Company El Paso Natural Gas Company
By L. J. Galloway
Title _____
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
			Friction Negligible			

D @ 250 = 332



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