

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 Blanco PC Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Jicarilla Well No. 7-J
Unit X P Sec. 20 Twp. 26 Rge. 5 Pay Zone: From 2894 To 2958
Casing: OD 5-1/2 WT. 15.5 Set At 3022 Tubing: OD 1-1/4 WT. 4.7 T. Perf. 2920
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .695 Estimated _____
Date of Flow Test: From 1/16 To 1/24/58 * Date S.I.P. Measured 7/10/57 (15 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 (9.10)² x sp. const. 5 = 414 psia (g)
Corrected seven day avge. meter press. (pf) (g) + (e) = 414 psia (h)
P_t = (h) + (f) = 414 psia (i)
Wellhead casing shut-in pressure (Dwt) 1012 psig + 12 = 1024 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1012 psig + 12 = 1024 psia (k)
P_c = (j) or (k) whichever well flowed through = 1024 psia (l)
Flowing Temp. (Meter Run) 53 °F + 460 = 513 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 512 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\text{FLOW RATE CALCULATION}}{\sqrt{(d)}}} \right)^* = \underline{144} MCF/day$

DELIVERABILITY CALCULATION

D = Q 144 $\left[\frac{(P_c^2 - P_d^2) = \underline{786,432}}{(P_c^2 - P_w^2) = \underline{875,458}} \right]^n \frac{.8983}{.9129} = \underline{131} MCF/day.$

SUMMARY

P_c = 1024 psia Company El Paso Natural Gas
Q = 144 Mcf/day By D. Gallouay
P_w = 416 psia Title _____
P_d = 512 psia Witnessed by _____
D = 131 Mcf/day 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 R ²	(1-e ^{-S})	P _t ² (Column i)	P _t ² + R ²	P _w
2029	.137	12.567	1.722		171,396	173,118	416

EL

D at 250 = 158

