

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. 3-C
Unit P Sec. 21 Twp. 25 Rge. 4 Pay Zone: From 3308 To 3344
Casing: OD 5-1/2 WT. 15.5 Set At 3410 Tubing: OD 2 WT. 4.7 T. Perf. 3220
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .720 Estimated _____
Date of Flow Test: From 12-31-57 To 1-9-58 * Date S.I.P. Measured 5-31-57
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: _____ = _____ 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 (7.60) ² x sp. const. 5 = 289 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 289 psia (h)
P_t = (h) + (f) = 289 psia (i)
Wellhead casing shut-in pressure (Dwt) 975 psig + 12 = 987 psia (j)
Wellhead tubing shut-in pressure (Dwt) 975 psig + 12 = 987 psia (k)
P_c = (j) or (k) whichever well flowed through = 987 psia (l)
Flowing Temp. (Meter Run) 52 °F + 460 = 512 ° Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 494 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^* = \text{562} \text{ MCF/day}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 562 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{730,133}{890,648} \right]^n \frac{.8197}{.8443} = \text{474} \text{ MCF/day}$

SUMMARY

P_c = 987 psia
Q = 562 Mcf/day
P_w = 289 psia
P_d = 494 psia
D = 474 Mcf/day

Company El Paso Natural Gas
By _____
Title Original Signed
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	$\frac{(F_c Q)^2 (1-e^{-S})}{R^2}$	P _t ² (Column i)	P _t ² + R ²	P _w

FRICTION NEGLIGIBLE

D at 250 = 570

