

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 Wildcat Formation Pictured Cliff County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____

Operator El Paso Natural Gas Lease Jicarilla Well No. 2-F
Unit M Sec. 22 Twp. 26 Rge. 5 Pay Zone: From 3036 To 3086
Casing: OD 5-1/2 WT. 15.5 Set At 3121 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 3059
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .700 Estimated _____
Date of Flow Test: From 8/23 To 8/31 * Date S.I.P. Measured 5/1/57
Meter Run Size 4 Orifice Size 1.250 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:
(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 (7.80) ² x sp. const. 5 _____ = 304 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 304 psia (h)
P_t = (h) + (f) _____ = 304 psia (i)
Wellhead casing shut-in pressure (Dwt) 1043 psig + 12 = 1055 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1043 psig + 12 = 1055 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1055 psia (l)
Flowing Temp. (Meter Run) 58 °F + 460 _____ = 518 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 528 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \dots = \dots} \right)^* = \underline{375}$ MCF/da
(Integrated) $\sqrt{(d)} = \dots$

DELIVERABILITY CALCULATION

D = Q 375 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{834,241}{1,020,609} \cdot \frac{.8173}{.8427} = \underline{316}$ MCF/da.

SUMMARY

P_c = 1055 psia Company El Paso Natural Gas Company
Q = 375 Mcf/day By Original Signed
P_w = 304 psia Title Lewis D. Galloway
P_d = 528 psia Witnessed by _____
D = 316 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 (1-e ^{-S}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
			FRICTION NEGLIGIBLE			

D at 250 = 366

OK

