

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 Otero Formation Picturec Cliffs County Rio Arriba
Purchasing Pipeline _____ Date Test Filed _____
Operator El Paso Natural Gas Lease Bolack Well No. 1-E
Unit K Sec. 35 Twp. 24N Rge. 6W Pay Zone: From 2045 To 2072
Casing: OD 5-1/2 WT. 15.5 Set At 2135 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 2045
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .668 Estimated _____
Date of Flow Test: From 2/21/58 To 3/1/58 * Date S.I.P. Measured 7-17-57 (13 days)
Meter Run Size _____ Orifice Size 1.250 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 (6.65) ² x sp. const. 500 _____ = 221 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 221 psia (h)
P_t = (h) + (f) _____ = 221 psia (i)
Wellhead casing shut-in pressure (Dwt) 689 psig + 12 = 701 psia (j)
Wellhead tubing shut-in pressure (Dwt) 689 psig + 12 = 701 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 701 psia (l)
Flowing Temp. (Meter Run) 60 °F + 460 _____ = 520 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 351 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{284} \text{ MCF/day}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 284 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n \frac{(.8319)^{.85}}{(.8550)} = \underline{243} \text{ MCF/day}$

SUMMARY

P _c =	<u>701</u>	psia	Company	<u>El Paso Natural Gas</u>
Q =	<u>284</u>	Mcf/day	By	<u>Original Signed</u>
P _w =	<u>221</u>	psia	Title	<u>Lewis D. Galloway</u>
P _d =	<u>351</u>	psia	Witnessed by	_____
D =	<u>243</u>	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 = 273

OK

OIL CONSERVATION COMMISSION		
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