

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 El Paso Formation Wash. Perm. County El Paso

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____

Operator El Paso Natural Gas Lease San Juan Well 12-6 Well No. 1

Unit 1 Sec. 11 Twp. 30N Rge. 7W Pay Zone: From 1500 To 5000

Casing: OD 5 1/2 WT. 14 Set At 5030 Tubing: OD 2 WT. 4.7 T. Perf. 1072

Produced Through: Casing _____ Tubing X Gas Gravity: Measured .645 Estimated _____

Date of Flow Test: From 2/8 To 2/17/57 * Date S.I.P. Measured 2/2/55

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 (7.70) ² x sp. const. 30 _____ = 593 psia (g)

Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 593 psia (h)

P_t = (h) + (f) _____ = 593 psia (i)

Wellhead casing shut-in pressure (Dwt) 1045 psig + 12 = 1057 psia (j)

Wellhead tubing shut-in pressure (Dwt) 1007 psig + 12 = 1019 psia (k)

P_c = (j) or (k) whichever well flowed through _____ = 1019 psia (l)

Flowing Temp. (Meter Run) 85 °F + 460 _____ = 545 °Abs (m)

P_d = 1/2 P_c = 1/2 (l) _____ = 510 psia (n)

FLOW RATE CALCULATION

$$Q = \text{(Integrated)} \times \left(\frac{\sqrt{(c)} = \text{_____}}{\sqrt{(d)} = \text{_____}} \right)^* = \text{_____} \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \text{ _____} \left[\frac{(P_c^2 - P_d^2) = \text{_____}}{(P_c^2 - P_w^2) = \text{_____}} \right]^n \frac{1.3770}{1.8720} = \text{_____} \text{ MCF/da.}$$

SUMMARY

P_c = 1019 psia
Q = 3241 Mcf/day
P_w = 742 psia
P_d = 510 psia
D = 4119 Mcf/day

Company El Paso Natural Gas
By Original Signed
Title Lewis D. Galloway
Witnessed by _____
Company _____

* This is date of completion test.

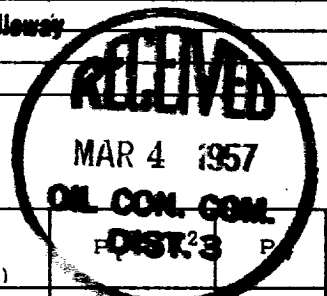
* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(F _c Q) ²	(F _c Q) ² R ²	(1-e ^{-S})	P _t ² (Column 1)	P _d ²
<u>1306</u>	<u>.214</u>	<u>922.513</u>	<u>198,798</u>		<u>351,619</u>	<u>260,157</u>

D @ 500 = 3492

C. H.



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