

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)

72-051-01

Pool Blanco Formation Mesa Verde County San Juan

Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Florence Well No. 5-0 (M)

Unit H Sec. 30 Twp. 26 Rge. 8 Pay Zone: From 4462 To 4716

Casing: OD. 5-1/2 WT. 15.5 Set At 4766 Tubing: OD. 2" WT. 4.7 T. Perf. 4597

Produced Through: Casing _____ Tubing X Gas Gravity: Measured 701 Estimated _____

Date of Flow Test: From 4/29/58 To 5/7/58 * Date S.I.P. Measured 1/10/58

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 (7.25) ² x sp. const. 10 _____ = 526 psia (g)

Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 526 psia (h)

P_t = (h) + (f) _____ = 526 psia (i)

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

Wellhead tubing shut-in pressure (Dwt) 1075 psig + 12 = 1087 psia (k)

P_c = (j) or (k) whichever well flowed through _____ = 1087 psia (l)

Flowing Temp. (Meter Run) 79 °F + 460 _____ = 519 °Abs (m)

P_d = ½ P_c = ½ (l) _____ = 544 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^* = \text{985} \text{ MCF/day}$

(integrated)

DELIVERABILITY CALCULATION

D = Q 985 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{885633}{886968} \cdot \frac{.9984}{.9988} = \text{984} \text{ MCF/day}$

SUMMARY

P_c = 1087 psia
Q = 985 Mcf/day
P_w = 543 psia
P_d = 544 psia
D = 984 Mcf/day

Company El Paso Natural Gas
By _____ Original Signed
Title Harold L. Kendrick
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 (1-e ^{-S}) R ²	P _t ² (Column l)	P _t ² + R ²	P _w
<u>3222</u>	<u>.209</u>	<u>85.766</u>	<u>17,925</u>	<u>276,676</u>	<u>294,601</u>	<u>543</u>

D at 500 = 997

