

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

Operator El Paso Natural Gas Co. Lease Reams Well No. 3
Unit H Sec. 19 Twp. 26 Rge. 6 Pay Zone: From 2661 To 2722
Casing: OD 5½ WT. 15.5 Set At 2661 Tubing: OD 1 WT. 1.68 T. Perf. 2693
Produced Through: Casing _____ Tubing X Gas Gravity: Measured _____ Estimated .665
Date of Flow Test: From 12/16 To 12/23 * Date S.I.P. Measured 10/4/55
Meter Run Size 4 Orifice Size _____ 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 (7.40) ² x sp. const. 5 _____ = 274 psia (g)
Corrected seven day avge. meter press. (P_f) (g) + (e) _____ = 274 psia (h)
P_t = (h) + (f) _____ = 274 psia (i)
Wellhead casing shut-in pressure (Dwt) 865 psig + 12 = 877 psia (j)
Wellhead tubing shut-in pressure (Dwt) 865 psig + 12 = 877 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 877 psia (l)
Flowing Temp. (Meter Run) 52 °F + 460 _____ = 512 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 439 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \dots = \dots} \right)^* = \underline{500}$ MCF/da
(integrated) $\sqrt{(d)} = \dots$

DELIVERABILITY CALCULATION

D = Q 500 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{472}$ MCF/da.
 $\frac{576,408}{616,578}$ $\frac{.9349}{.9444}$

SUMMARY

P_c = 877 psia
Q = 500 Mcf/day
P_w = 391 psia
P_d = 439 psia
D = 472 Mcf/day

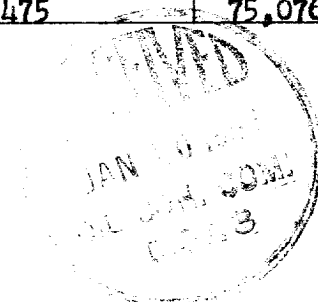
Company El Paso Natural Gas Company
By Original Signed
Title Lewis D. Galloway
Witnessed by _____
Company _____

* 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 (1-e ^{-S}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
<u>1791</u>	<u>.122</u>	<u>635.040</u>	<u>77,475</u>	<u>75,076</u>	<u>152,551</u>	<u>391</u>

D @ 250 = 504



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