

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 Rincon Well No. 45
Unit N Sec. 36 Twp. 27N Rge. 7W Pay Zone: From 2878 To 2940
Casing: OD 5 1/2 WT. 15.5 Set At 2878 Tubing: OD 1 WT. 1.68 T. Perf. 2898
Produced Through: Casing _____ Tubing X Gas Gravity: Measured _____ Estimated .695
Date of Flow Test: From 12/31/55 To 1/8/56 * Date S.I.P. Measured 7/29/55
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 7.75 _____ psig + 12 = 300 _____ psia (g)
Square root chart average reading (7.75) ² x sp. const. .5 _____ = 300 _____ psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 300 _____ psia (h)
P_t = (h) + (f) _____ = 950 _____ psia (i)
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = 951 _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = 963 _____ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 50 _____ psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 _____ = 510 _____ ° Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 482 _____ psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \dots = \dots} \right)^* = \underline{263} MCF/day
(integrated) $\sqrt{(d)}$$

DELIVERABILITY CALCULATION

D = Q 263 $\left[\frac{(P_c^2 - P_d^2) = \underline{695,045}}{(P_c^2 - P_w^2) = \underline{813,474}} \right]^n \frac{.8544}{.8749} = \underline{230} MCF/day.$

SUMMARY

P_c = 963 psia
Q = 263 Mcf/day
P_w = 337 psia
P_d = 482 psia
D = 230 Mcf/day

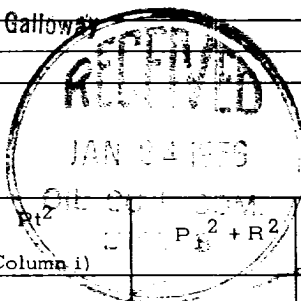
Company El Paso Natural Gas Company
By Original Signed
Title Lewis D. Galloway
Witnessed by _____
Company _____

- * 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>2014</u>	<u>.136</u>	<u>175.695</u>	<u>23,895</u>	<u>90,000</u>	<u>113,895</u>	<u>337</u>

D @ 250 = 269



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