

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 Blanco - La Plata Formation Pictured Cliff County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____

Operator El Paso Natural Gas Lease Kelly Well No. 1
Unit H Sec. 35 Twp. 30 Rge. 10 Pay Zone: From 2584 To 2650
Casing: OD 5 1/2 WT. 15.5 Set At 4105 Tubing: OD 1 WT. 1.68 T. Perf. 2613
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .670 Estimated _____
Date of Flow Test: From 7/8 To 7/16 * Date S.I.P. Measured 5/31/56
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: _____ = _____ psi (f)
(b) - (c) Flow through tubing: (a) - (c) Flow through casing
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. 5 = 263 psia (g)
Corrected seven day avge. meter press. (P_f) (g) + (e) = 263 psia (h)
P_t = (h) + (f) = 263 psia (i)
Wellhead casing shut-in pressure (Dwt) 529 psig + 12 = 541 psia (j)
Wellhead tubing shut-in pressure (Dwt) 529 psig + 12 = 541 psia (k)
P_c = (j) or (k) whichever well flowed through = 541 psia (l)
Flowing Temp. (Meter Run) 74 °F + 460 = _____ °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 271 psia (n)

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

DELIVERABILITY CALCULATION
D = Q 306 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{.9809}{.98376} = \text{_____ MCF/da.}$
219,240
223,512

SUMMARY
P_c = 541 psia
Q = 306 Mcf/day
P_w = 263 psia
P_d = 271 psia
D = 301 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

FRICTION NEGLIGIBLE

D @ 250 = 307



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