

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 Artes Pictured Cliff Formation Pictured Cliff County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____

Operator El Paso Natural Gas Co. Lease Squires Well No. 1
Unit D Sec. 15 Twp. 30 Rge. 11 Pay Zone: From 2169 To 2184
Casing: OD 5 1/2 WT. 15.5 lb/ft Set At 2022-2188 Tubing: OD 1 WT. 1.68 T. Perf. 2148
Produced Through: Casing _____ Tubing I Gas Gravity: Measured .630 Estimated _____
Date of Flow Test: From 7-8 To 7-16 * Date S.I.P. Measured 5-22-56
Meter Run Size 4 Orifice Size _____ Type Chart 8q. 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 (6.90) ² x sp. const. .500 _____ = 238 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 238 psia (h)
P_t = (h) + (f) _____ = 238 psia (i)
Wellhead casing shut-in pressure (Dwt) 662 psig + 12 = 674 psia (j)
Wellhead tubing shut-in pressure (Dwt) 662 psig + 12 = 674 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 674 psia (l)
Flowing Temp. (Meter Run) 75 °F + 460 _____ = 535 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 337 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{149} \text{ MCF/day}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 149 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{132} \text{ MCF/day}$
 $\frac{340,707}{392,330}$ $\frac{.8684}{.8870}$

SUMMARY

P_c = 674 psia
Q = 149 Mcf/day
P_w = 249 psia
P_d = 337 psia
D = 132 Mcf/day

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

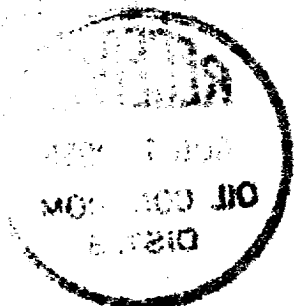
* This is date of completion test.
* Meter error correction factor

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>1353</u>	<u>.094</u>	<u>56.400</u>	<u>5302</u>	<u>56,644</u>	<u>61,946</u>	<u>249</u>

D @ 250 = 145





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