

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

Operator El Paso Natural Gas Company Lease Allison Unit Well No. 3
Unit 0 Sec. 13 Twp. 32 Rge. 7 Pay Zone: From 7857 To 7980
Casing: OD 7" WT. 26 & 23 Set At 7857 Tubing: OD 2" WT. 4.7 T. Perf. 7887
Produced Through: Casing _____ Tubing X Gas Gravity: Measured _____ Estimated .600
Date of Flow Test: From 4-30-56 To 5-8-56 * Date S.I.P. Measured 8-30-54 55
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: _____ = _____ 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. 1000 = 526 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 526 psia (h)
P_t = (h) + (f) = _____ psia (i)
Wellhead casing shut-in pressure (Dwt) 2897 psig + 12 = 2909 psia (j)
Wellhead tubing shut-in pressure (Dwt) 2869 psig + 12 = 2881 psia (k)
P_c = (j) or (k) whichever well flowed through _____ psia (l)
Flowing Temp. (Meter Run) 81 °F + 460 = 1441 °Abs (m)
P_d = ½ P_c = ½ (l) = _____ psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^* = \underline{1715}$ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 1715 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{1428}$ MCF/da.
6,223,680 .7831
7,947,830 .8324

SUMMARY

P_c = 2881 psia
Q = 1715 Mcf/day
P_w = 594 psia
P_d = 1441 psia
D = 1428 Mcf/day

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

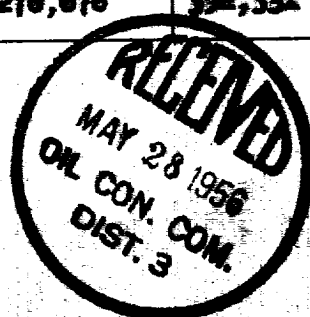
* This is date of completion test.
* Meter error correction factor

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 l) | P _t ² + R ² | P _w |
|-------------|----------------------|---------------------------------|--|---|--|----------------|
| <u>4732</u> | <u>.291</u> | <u>259.983</u> | <u>75,655</u> | <u>276,676</u> | <u>302,331</u> | <u>594</u> |

D @ 500 = 1717

OK





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