

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 San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____

Operator El Paso Natural Gas Co. Lease Bolask Well No. 2-C
Unit D Sec. 28 Twp. 27N Rge. 8W Pay Zone: From 2143 To 2200
Casing: OD 7 WT. 20 Set At 2143 Tubing: OD 1 WT. 1.68 T. Perf. 2121
Produced Through: Casing _____ Tubing I Gas Gravity: Measured _____ Estimated .645
Date of Flow Test: From 1/16 To 1/23/56 * Date S.I.P. Measured 12/5/55
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 (7.50) ² x sp. const. 5 _____ = 281 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 281 psia (h)
P_t = (h) + (f) _____ = 281 psia (i)
Wellhead casing shut-in pressure (Dwt) 850 psig + 12 = 862 psia (j)
Wellhead tubing shut-in pressure (Dwt) 850 psig + 12 = 862 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 862 psia (l)
Flowing Temp. (Meter Run) 49 °F + 460 _____ = 509 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 431 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \underline{245}$ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 245 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{215}$ MCF/da.
 $\frac{.8579}{.8778}$

SUMMARY

P_c = 862 psia
Q = 245 Mcf/day
P_w = 306 psia
P_d = 431 psia
D = 215 Mcf/day

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

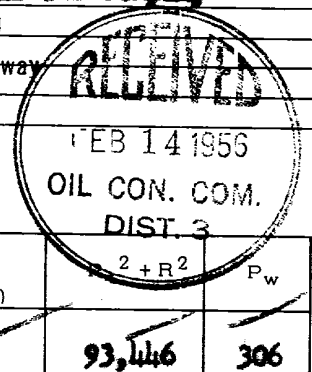
* This is date of completion test.
* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-s})	(F _c Q) ²	(F _c Q) ² R ²	P _t ² (Column i)	2 + R ²	P _w
<u>1368</u>	<u>.095</u>	<u>152.473</u>	<u>14,485</u>	<u>78,961</u>	<u>93,446</u>	<u>306</u>

D @ 250 = 248

OK



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