

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 P.C. Formation Pictured Cliff County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Gonzales State Well No. 1
Unit F Sec. 2 Twp. 26N Rge. 8W Pay Zone: From 2239 To 2280
Casing: OD 5½ WT. 14 Set At 2243 Tubing: OD 1 WT. 1.68 T. Perf. 2237
Produced Through: Casing X Tubing _____ Gas Gravity: Measured 0.660 Estimated _____
Date of Flow Test: From 3/23 To 3/31/56 * Date S.I.P. Measured _____
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 (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) 835 psig + 12 = 847 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through = 847 psia (l)
Flowing Temp. (Meter Run) 49 °F + 460 = 509 °Abs (m)
P_d = ½ P_c = ½ (l) = 424 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^* = \text{71} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 71 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{537,633}{648,240} \right]^n \frac{.8294}{.8531} = \text{61} \text{ MCF/da.}$

SUMMARY

P_c = 847 psia
Q = 71 Mcf/day
P_w = 263 psia
P_d = 424 psia
D = 61 Mcf/day
Company El Paso Natural Gas Company
By Original Signed
Title _____
Witnessed by Lewis D. Galloway
Company _____

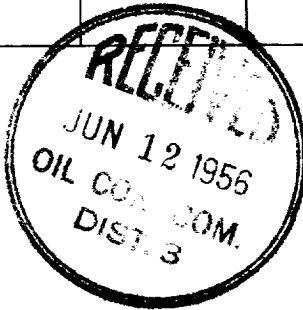
* This is date of completion test.
* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(F _c Q) ²	$\frac{(F_cQ)^2}{R^2} (1-e^{-S})$	P _t ² (Column i)	P _t ² + R ²	P _w
FRICTION NEGLECTIBLE						

D @ 250 = 71

OK



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