

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)

72-291

Pool South Blanco Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Southern Pet. State Well No. 3
Unit C Sec. 32 Twp. 26 Rge. 6 Pay Zone: From 2340 To 2384
Casing: OD 5.50 WT. 15.50 Set At 2419 Tubing: OD 1.25 WT. 2.4 T. Perf. 2321
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .648 Estimated _____
Date of Flow Test: From 12/30/58 To 1/7/59* Date S.I.P. Measured 10/23/58 (76 days)
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 (7.15)² x sp. const. 5 = 256 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 256 psia (h)
P_t = (h) + (f) = 256 psia (i)
Wellhead casing shut-in pressure (Dwt) 844 psig + 12 = 856 psia (j)
Wellhead tubing shut-in pressure (Dwt) 844 psig + 12 = 856 psia (k)
P_c = (j) or (k) whichever well flowed through = 856 psia (l)
Flowing Temp. (Meter Run) 59 °F + 460 = 519 °Abs (m)
P_d = ½ P_c = ½ (l) = 428 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{1154} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 1154 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{1,098} \text{ MCF/da.}$
549,552 .9435
582,446 .9518

SUMMARY

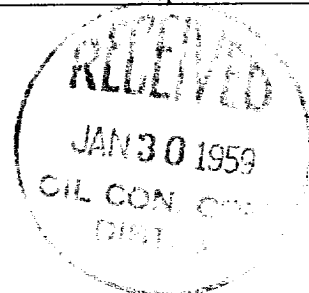
P_c = 856 psia Company El Paso Natural Gas
Q = 1154 Mcf/day By Original Signed
P_w = 388 psia Title Harold L. Kendrick
P_d = 428 psia Witnessed by _____
D = 1098 Mcf/day Company _____

* 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
1527	.105	807.185	84,754	65,536	150,290	388

D at 250 = 1149



OK

