

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 Cliffs County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____
Operator El Paso Natural Gas Lease Jicarilla Well No. 4-J
Unit 6 Sec. 19 Twp. 26 Rge. 5 Pay Zone: From 2980 To 3040
Casing: OD 5 1/2" WT. 15.5 Set At 3068 Tubing: OD 1 1/4" WT. 2.3 T. Perf. 3020
Produced Through: Casing x Tubing _____ Gas Gravity: Measured .690 Estimated _____
Date of Flow Test: From 12-31-57 To 1-8-58 * Date S.I.P. Measured 5-29-57 (9 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:
(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 (9.30) ² x sp. const. 5 = 432 psia (g)
Corrected seven day ave. meter press. (p_f) (g) + (e) _____ = 432 psia (h)
P_t = (h) + (f) _____ = 432 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ 991 psig + 12 = 1003 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ 993 psig + 12 = 1005 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1003 psia (l)
Flowing Temp. (Meter Run) _____ 54 °F + 460 _____ = 514 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 502 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{792} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 792 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{9202}{9318} = \underline{738} \text{ MCF/da.}$
 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right] = \frac{754005}{819385}$

SUMMARY

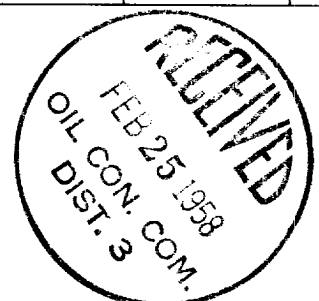
P_c = 1003 psia Company El Paso Natural Gas
Q = 792 Mcf/day By _____
P_w = 432 psia Title _____
P_d = 502 psia Witnessed by LEWIS D. Galloway
D = 738 Mcf/day Company _____

* 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
			Friction Negligible			

D at 250 = 888



Oil