

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. 6-J
Unit D Sec. 20 Twp. 26 Rge. 5 Pay Zone: From 3030 To 3092
Casing: OD 5-1/2 WT. 15.5 Set At 3148 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 3048
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .679 Estimated _____
Date of Flow Test: From 12-31-57 To 1-9-58 * Date S.I.P. Measured 6-28-57 (20 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 avge. meter press. (p_f) (g) + (e) = 432 psia (h)
P_t = (h) + (f) = 432 psia (i)
Wellhead casing shut-in pressure (Dwt) 1014 psig + 12 = 1026 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1015 psig + 12 = 1027 psia (k)
P_c = (j) or (k) whichever well flowed through = 1026 psia (l)
Flowing Temp. (Meter Run) 48 °F + 460 = 508 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 513 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^* = \text{514} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 514 $\left[\frac{(P_c^2 - P_d^2) = \text{789,507}}{(P_c^2 - P_w^2) = \text{866,052}} \right]^n \frac{.9116}{.9243} = \text{475} \text{ MCF/da.}$

SUMMARY

P_c = 1026 psia
Q = 514 Mcf/day
P_w = 432 psia
P_d = 513 psia
D = 475 Mcf/day

Company El Paso Natural Gas
By _____
Title Original Signed
Witnessed by Lewis D. Calloway
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 = 590

