

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 Otero Formation Pictured Cliff County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____
Operator Amerada Lease Jicarilla Well No. 8-B
Unit P Sec. 30 Twp. 24 Rge. 5 Pay Zone: From 2085 To 2145
Casing: OD 5-1/2 WT. 15.5 Set At 2185 Tubing: OD 2 WT. 4.7 T. Perf. 2039
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .690 Estimated _____
Date of Flow Test: From 8/23 To 8/31/57 * Date S.I.P. Measured 7/29/57 (398 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 (7.75) ² x sp. const. 5 = 300 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 300 psia (h)
P_t = (h) + (f) _____ = 300 psia (i)
Wellhead casing shut-in pressure (Dwt) 723 psig + 12 = 735 psia (j)
Wellhead tubing shut-in pressure (Dwt) 723 psig + 12 = 735 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 735 psia (l)
Flowing Temp. (Meter Run) 57 °F + 460 _____ = 517 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 368 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{128} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 128 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n \frac{.8991}{.9156} = \underline{117} \text{ MCF/da.}$

SUMMARY

P_c = 735 psia Company El Paso Natural Gas
Q = 128 Mcf/day By Original Signed
P_w = 300 psia Title Lewis D. Galloway
P_d = 368 psia Witnessed by _____
D = 117 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
			FRICION NEGLIGIBLE			

D at 250 = 133

cc: Amerada, Tulsa

