

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)

74-522-01

Pool Ballard Formation Pictured Cliffs County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Ha Sosa Well No. 1
Unit C Sec. 31 Twp. 26 Rge. 8 Pay Zone: From 1944 To 1954
Casing: OD 5-1/2 WT. 15.5 Set At 1944 Tubing: OD 1.00 WT. 1.68 T. Perf. 1916
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .618 Estimated _____
Date of Flow Test: From 4/29/59 To 5/7/59 * Date S.I.P. Measured 5/18/56
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 (6.55) ² x sp. const. 5 = 215 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 215 psia (h)
P_t = (h) + (f) _____ = 215 psia (i)
Wellhead casing shut-in pressure (Dwt) 565 psig + 12 = 577 psia (j)
Wellhead tubing shut-in pressure (Dwt) 565 psig + 12 = 577 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 577 psia (l)
Flowing Temp. (Meter Run) 57 °F + 460 _____ = 517 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 289 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \text{_____} = \text{_____}} \right)^* = \text{10} \text{ MCF/da}$
(integrated) $\sqrt{(d)} = \text{_____}$

DELIVERABILITY CALCULATION
D = Q 10 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \frac{.8699}{.8883} = \text{9} \text{ MCF/da.}$
 $\frac{249408}{286704}$

SUMMARY
P_c = 577 psia Company El Paso Natural Gas
Q = 10 Mcf/day By Original Signed
P_w = 215 psia Title Harold L. Kendrick
P_d = 289 psia Witnessed by _____
D = 9 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})	P _t ²	P _t ² + R ²	P _w
			R ²	(Column i)		
			Friction Negligible			

D at 250 = 9

