

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

Operator El Paso Natural Gas Lease Jicarilla Well No. 5-E
Unit H Sec. 20 Twp. 25 Rge. 4 Pay Zone: From 3499 To 3535
Casing: OD 5-1/2 WT. 15.5 Set At 3610 Tubing: OD 2 WT. 4.7 T. Perf. 3462
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .592 Estimated _____
Date of Flow Test: From 12-31-57 To 1-9-58 * Date S.I.P. Measured 5-31-57 (12 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 (_____) ² x sp. const. 5 _____ = 320 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 320 psia (h)
P_t = (h) + (f) _____ = 998 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = 1010 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = 1010 psia (k)
P_c = (j) or (k) whichever well flowed through 55 _____ = 515 psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 _____ = 505 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = _____ psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\text{ } }{\sqrt{(d)}} = \text{ } \right)^* = \text{704} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION
D = Q 704 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{765,075}{917,700} \cdot \frac{.8336}{.8568} = \text{603} \text{ MCF/da.}$

SUMMARY
P_c = 1010 psia
Q = 704 Mcf/day
P_w = 320 psia
P_d = 505 psia
D = 603 Mcf/day
Company El Paso Natural Gas
By _____
Title Original Signed
Witnessed by Louis D. Gentry
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 = 726

