

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 Wildcat Formation Pictured Cliff County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator El Paso Natural Gas Company Lease Huerfano Unit Well No. 1-2
Unit J Sec. 25 Twp. 26 Rge 10 Pay Zone: From 2037 To 2105
Casing: OD 7 WT. 20 Set At 2033 Tubing: OD --- WT. --- T. Perf. ---
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .585 Estimated _____
Date of Flow Test: From 4-22 To 4-30 * Date S.I.P. Measured _____
Meter Run Size 4 Orifice Size --- Type Chart Sq. Root Type Taps Plunge

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 (7.45) ² x sp. const. 5 _____ = 278 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 278 psia (h)
P_t = (h) + (f) _____ = 278 psia (i)
Wellhead casing shut-in pressure (Dwt) 585 _____ psig + 12 = 597 psia (j)
Wellhead tubing shut-in pressure (Dwt) - _____ psig + 12 = - psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 597 psia (l)
Flowing Temp. (Meter Run) 58 °F + 460 _____ = 518 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 299 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^* = \underline{21} MCF/day
(integrated)$

DELIVERABILITY CALCULATION

D = Q 21 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{267,008}{279,125} \right]^n \frac{.9566}{.9630} = \underline{20} MCF/day.$

SUMMARY

P_c = 597 psia
Q = 21 Mcf/day
P_w = 278 psia
P_d = 299 psia
D = 20 Mcf/day

Company El Paso Natural Gas Company
By Original Signed
Title Lewis D. Galloway
Witnessed by _____
Company _____

* This is date of completion test.

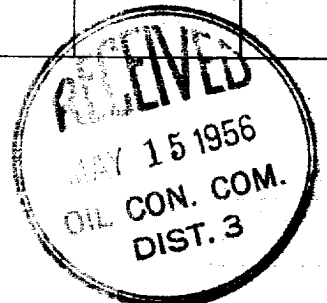
* Meter error correction factor

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 @ 250 = 22

EKC



[illegible]