

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

Operator El Paso Natural Gas Co. Lease Huerfano Well No. 35
Unit A Sec. 21 Twp. 26N Rge. 9W Pay Zone: From 1977 To 2023
Casing: OD 5½ WT. 14 Set At 1977 Tubing: OD 1 WT. 1.68 T. Perf. 1989
Produced Through: Casing X Tubing _____ Gas Gravity: Measured _____ Estimated .635
Date of Flow Test: From 1/23 To 1/31/56 * Date S.I.P. Measured 12/24/54
Meter Run Size 4 Orifice Size _____ Type Chart 8q. Rt. Type Taps Flange

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 (7.05)² x sp. const. 5 = 249 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 249 psia (h)
P_t = (h) + (f) = 249 psia (i)
Wellhead casing shut-in pressure (Dwt) 608 psig + 12 = 620 psia (j)
Wellhead tubing shut-in pressure (Dwt) 608 psig + 12 = 620 psia (k)
P_c = (j) or (k) whichever well flowed through = 620 psia (l)
Flowing Temp. (Meter Run) 52 °F + 460 = 512 °Abs (m)
P_d = ½ P_c = ½ (l) = 310 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{490}$ MCF/day
(integrated)

DELIVERABILITY CALCULATION

D = Q 490 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{0.8942}{0.9095} = \underline{446}$ MCF/day

SUMMARY

P_c = 620 psia
Q = 490 Mcf/day
P_w = 249 psia
P_d = 310 psia
D = 446 Mcf/day

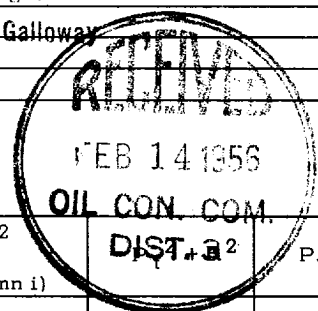
Company El Paso Natural Gas Company
By Original Signed
Title Lewis D. Galloway
Witnessed by _____
Company _____

- * 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})	P _t ² (Column i)	P _w
			R ²		
			FRICTION NEGLIGIBLE		

OK



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