

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

Operator El Paso Natural Gas Co. Lease Huerfano Unit Well No. 22
Unit M Sec. 33 Twp. 27 Rge. 10 Pay Zone: From 2114 To 2164
Casing: OD 5 1/2 WT. 14 Set At 2114 Tubing: OD 1 1/2 WT. 2.3 T. Perf. 2138
Produced Through: Casing X Tubing _____ Gas Gravity: Measured _____ Estimated _____
Date of Flow Test: From 2/21 To 2/29 * Date S.I.P. Measured 3/7/56
Meter Run Size 4 Orifice Size .750 Type Chart Sq. Rt. Type Taps Flange

OBSERVED DATA

Flowing casing pressure (Dwt) 221 psig + 12 = 233 psia (a)
Flowing tubing pressure (Dwt) _____ psig + 12 = _____ psia (b)
Flowing meter pressure (Dwt) 221 psig + 12 = 233 psia (c)
Flowing meter pressure (meter reading when Dwt. measurement taken):
Normal chart reading _____ psig + 12 = _____ psia (d)
Square root chart reading (6.88)² x spring constant 5 = 237 psia (d)
Meter error (c) - (d) or (d) - (c) _____ ± _____ = 4 psi (e)
Friction loss, Flowing column to meter:
(b) - (c) Flow through tubing: (c) - (c) Flow through casing _____ = 0 psi (f)
Seven day average static meter pressure (from meter chart):
Normal chart average reading _____ psig + 12 = _____ psia (g)
Square root chart average reading (6.85)² x sp. const. 5 = 235 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 231 psia (h)
P_t = (h) + (f) _____ = 231 psia (i)
Wellhead casing shut-in pressure (Dwt) 416 psig + 12 = 428 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 428 psia (l)
Flowing Temp. (Meter Run) 43 °F + 460 _____ = 503 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 214 psia (n)

FLOW RATE CALCULATION

Q = 60 X $\left(\frac{\sqrt{P_c} - \sqrt{P_d}}{\sqrt{P_c} - \sqrt{P_w}} \right) = \underline{\underline{59}}$ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 59 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{\underline{62}}$ MCF/da.
 $\frac{1.0583}{1.0493}$

SUMMARY

P_c = 428 psia
Q = 59 Mcf/day
P_w = 231 psia
P_d = 214 psia
D = 62 Mcf/day

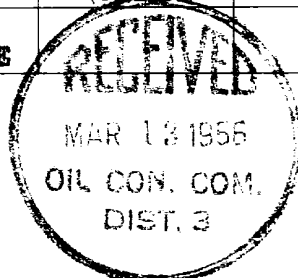
Company El Paso Natural Gas Company
By Original Signed
Title Lewis D. Galloway
Witnessed by _____
Company _____

- * 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	P _t ² + R ²	P _w
			R ²	(Column 1)		
			FRICITION NEGLIGTHBLE			

D @ 250 = 53



OIL CRISPER ACTION - CLASSIC

1. *Journal of the American Medical Association*, 2000; 284: 2689-2695.

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