

Initial Deliverability
Test

72658

Form C-122-A
Revised April 20, 1955NEW 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 Formation Pictured Cliff County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator El Paso Natural Gas Co. Lease Canyon Largo Well No. 90
Unit A Sec. 1 Twp. 25 N Rge. 6 W Pay Zone: From 2826 To 2876
Casing: OD 2-7/8 WT. 6.4 lbs. Set At 2920 Tubing: OD No. Tbg. WT. _____ T. Perf. _____
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .680 Estimated _____
Date of Flow Test: From 9-21-60 To 9-29-60 * Date S.I.P. Measured 6-9-60
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 (6.65) ² x sp. const. 500 = 235 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 235 psia (h)
P_t = (h) + (f) _____ = 235 psia (i)
Wellhead casing shut-in pressure (Dwt) 883 psig + 12 = 895 psia (j)
Wellhead tubing shut-in pressure (Dwt) --- psig + 12 = --- psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 895 psia (l)
Flowing Temp. (Meter Run) 65 °F + 460 _____ = 525 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 448 psia (n)

$$Q = \text{(integrated)} \times \left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{P_c}}{\sqrt{P_d}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right) = \text{_____} \text{ MCF/day}$$

DELIVERABILITY CALCULATION

$$D = Q \text{ _____ } \left[\frac{(P_c^2 - P_d^2) = \text{_____}}{(P_c^2 - P_w^2) = \text{_____}} \right]^n \frac{0.8052}{0.8319} = \text{_____} \text{ MCF/day}$$

SUMMARY

P_c = 895 psia
Q = 252 Mcf/day
P_w = 236 psia
P_d = 448 psia
D = 210 Mcf/day

Company El Paso Natural Gas Company
By Original Signed
Title Harold L. Kendrick
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
1922	0.130	1.957	254	55,225	55,479	236

D at 250 = 244