

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

Operator El Paso Natural Gas Co. Lease Payne Well No. 2-14
Unit D Sec. 14 Twp. 25 Rge. 8 Pay Zone: From 2347 To 2398
Casing: OD 5½ WT. 14 Set At 2347 Tubing: OD 1 WT. 1.68 T. Perf. 2357
Produced Through: Casing X Tubing _____ Gas Gravity: Measured _____ Estimated .670
Date of Flow Test: From 3/23/56 To 3/31/56 * Date S.I.P. Measured 12/27/55
Meter Run Size 4 Orifice Size _____ Type Chart Sq. 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 (8.1) ² x sp. const. 5 _____ = 328 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 328 psia (h)
P_t = (h) + (f) _____ = 328 psia (i)
Wellhead casing shut-in pressure (Dwt) 638 psig + 12 = 650 psia (j)
Wellhead tubing shut-in pressure (Dwt) 638 psig + 12 = 650 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 650 psia (l)
Flowing Temp. (Meter Run) 60 °F + 460 _____ = 520 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 325 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{743} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 743 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n \frac{1.0062}{1.0053} = \underline{747} \text{ MCF/da.}$
 $\left[\frac{316,875}{314,916} \right]^n$

SUMMARY

P_c = 650 psia
Q = 743 Mcf/day
P_w = 328 psia
P_d = 325 psia
D = 747 Mcf/day

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

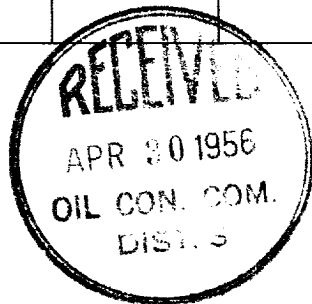
* This is date of completion test.
* Meter error correction factor

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 = 820

OK



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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