

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 Co. Lease Huerfano Well No. 23
Unit I Sec. 19 Twp. 26N Rge. 9W Pay Zone: From 1969 To 2015
Casing: OD 5½ WT. 14 Set At 1969 Tubing: OD 1½ WT. 2.3 T. Perf. 1984
Produced Through: Casing I Tubing _____ Gas Gravity: Measured _____ Estimated .635
Date of Flow Test: From 1/23 To 1/31/56 * Date S.I.P. Measured 9/11/53
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 (6.85)² x sp. const. 5 _____ = 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) 596 psig + 12 = 608 psia (j)
Wellhead tubing shut-in pressure (Dwt) 596 psig + 12 = 608 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 608 psia (l)
Flowing Temp. (Meter Run) 33 °F + 460 _____ = 493 ° Abs (m)
P_d = ½ P_c = ½ (l) _____ = 304 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^* = \text{14} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 14 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{277,248}{314,439} \right]^n \frac{0.8817}{0.8983} = \text{13} \text{ MCF/da.}$

SUMMARY

P_c = 608 psia
Q = 14 Mcf/day
P_w = 235 psia
P_d = 304 psia
D = 13 Mcf/day

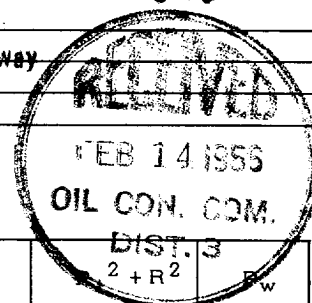
Company El Paso Natural Gas Company
By Original Signed
Title Lewis D. Galloway
Witnessed by _____
Company _____

- * 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	2 + R ²	P _w
			R ²	(Column i)		
			FRICION NEGLIGIBLE			

OK



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