Form C-122-A
Revised April 20, 1955

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 Lease McConnell Well No. 1

Unit B Sec. 13 Twp. 26 Rge. 9 Pay Zone: From 2013 To 2092

Casing: OD 7 WT. 20 Set At 2013 Tubing: OD 1¼ WT. 2.3 T. Perf. 2062

Produced Through: Casing X Tubing Gas Gravity: Measured Estimated .660

Date of Flow Test: From 3/6 To 3/16 * Date S.I.P. Measured 1/3/56

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 (7.85) ^{2} x sp. const. 5	= 308	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 308	psia	(h)
P_t = (h) + (f)	= 308	psia	(i)
Wellhead casing shut-in pressure (Dwt) 607	psig + 12 = 619	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 607	psig + 12 = 619	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 619	psia	(l)
Flowing Temp. (Meter Run) 53 °F + 460	= 513	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 310	psia	(n)

FLOW RATE CALCULATION

$$Q = \text{(integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \quad = \quad \right)^{*} = 662 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{287,061}{288,297} \right]^{n} \frac{0.9957}{.9963} = 660 \text{ MCF/da.}$$

SUMMARY

P_c =	619	psia
Q =	662	Mcf/day
P_w =	308	psia
P_d =	310	psia
D =	660	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	$(1-e^{-S})$	$(F_cQ)^2$	$\frac{(FcQ)^2 \quad (1-e^{-S})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
			FRICTION NEGLIGIBLE			

D @ 250 = 713

OK

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