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 Pictured Cliff 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. 2

Unit O Sec. SE13 Twp. 26N Rge. 9W Pay Zone: From 1996 To 2045

Casing: OD 5½ WT. 15.50 Set At 1996 Tubing: OD 1¼ WT. 2.3 T. Perf. 1994

Produced Through: Casing X Tubing Gas Gravity: Measured .685 Estimated

Date of Flow Test: From 6/22 To 6/30 * Date S.I.P. Measured 4/4/56

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 (7.60) ^{2} x sp. const. 5	= 289	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 289	psia	(h)
P_t = (h) + (f)	= 289	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) 63 °F + 460	= 523	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 325	psia	(n)

FLOW RATE CALCULATION

Q = (integrated) $\times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \frac{\quad}{\quad} \right)^{*} =$ 543 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^{n}$ $D = 543 \left[\frac{316,875}{338,979} \right]^{.9348}_{.9443} = 513$ MCF/da.

SUMMARY

P_c =	650	psia
Q =	543	Mcf/day
P_w =	289	psia
P_d =	325	psia
D =	513	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	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2}{R^2}$ $(1-e^{-s})$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
			FRICTION NEGLIGIBLE			

3 @ 250 = 563

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