Form C-122-A
Revised April 20, 1955

V

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 1¼ WT. 2.3 T. Perf. 1984

Produced Through: Casing X 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)

FLOW RATE CALCULATION

Q = (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \quad = \quad \right)^*$ = 14 MCF/da

DELIVERABILITY CALCULATION

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

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

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)2$	$(FcQ)^2$ / R^2 $(1-e^{-S})$	Pt^2 (Column i)	$P_c^2 + R^2$	P_w
			FRICTION NEGLIGIBLE			

D @ 250 = 13

OK

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