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 Co. Lease Huerfano Well No. 35

Unit A Sec. 21 Twp. 26N Rge. 9W Pay Zone: From 1977 To 2023

Casing: OD 5½ WT. 14 Set At 1977 Tubing: OD 1 WT. 1.68 T. Perf. 1989

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 12/24/54

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 (7.05) ^{2} x sp. const. 5	= 249	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 249	psia	(h)
P_t = (h) + (f)	= 249	psia	(i)
Wellhead casing shut-in pressure (Dwt) 608	psig + 12 = 620	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 608	psig + 12 = 620	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 620	psia	(l)
Flowing Temp. (Meter Run) 52 °F + 460	= 512	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 310	psia	(n)

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{\quad} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \quad = \quad \right)^{*} = 490 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{288,300}{322,399} \right]^{n} \frac{0.8942}{0.9095} = 446 \text{ MCF/da.}$$

SUMMARY

P_c =	620	psia
Q =	490	Mcf/day
P_w =	249	psia
P_d =	310	psia
D =	446	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

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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			

D @ 250 = 481

OK

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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