Form C-122-A
Revised April 20, 1955

Initial Deliverability Test

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 Petro Atlas Lease Bolack Well No. 1

Unit P Sec. 1 Twp. 25 Rge. 8 Pay Zone: From 2673 To 2683

Casing: OD 5 1/2 WT. 2 Set At 2788 Tubing: OD 1" 2730 WT. 2 2746 T. Perf. 2737

Produced Through: Casing X Tubing Gas Gravity: Measured .665 Estimated

Date of Flow Test: From Feb. 28, 1957 To Mar. 8,57 * Date S.I.P. Measured December 19, 1956

Meter Run Size Orifice Size 1.000 Type Chart Type Taps

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 (7.40) ^{2} x sp. const. 500	=	274	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	274	psia	(h)
P_t = (h) + (f)	=	274	psia	(i)
Wellhead casing shut-in pressure (Dwt) 648	psig + 12 =	660	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 648	psig + 12 =	660	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	660	psia	(l)
Flowing Temp. (Meter Run) 43 °F + 460	=	503	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	330	psia	(n)

FLOW RATE CALCULATION

$$Q = 212 \text{ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \_\_\_ = \_\_\_ \right)^{*} = 212 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q\ 212 \left[\frac{P_c^2 - P_d^2 = 326,700}{P_c^2 - P_w^2 = 360,524} \right]^n \quad \frac{.9062}{.9197} = 195 \text{ MCF/da.}$$

SUMMARY

P_c = 660	psia	Company	El Paso Natural Gas Company
Q = 212	Mcf/day	By	Original Signed
P_w = 274	psia	Title	Lewis D. Galloway
P_d = 330	psia	Witnessed by	
D = 195	Mcf/day	Company	

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

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)^2$	$\frac{(F_cQ)^2 (1-e^{-S})}{R^2}$	P_t^2 (Column i)	P_t^2	P_w
			Friction Negligible			

D @ 250 = 215

RECEIVED
OIL CON. COM.
DIST. 3

OK