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)

CORRECTED COPY

Pool Aztec Formation Pictured Cliffs County San Juan

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Lockey Well No. 10-B (2)

Unit G Sec. 21 Twp. 28 Rge. 9 Pay Zone: From 3258 To 3262

Casing: OD 7-5/8 WT. 26.40 Set At 5388 Tubing: OD 2 WT. 4.7 T. Perf. 3680

Produced Through: Casing X Tubing Gas Gravity: Measured .680 Estimated

Date of Flow Test: From 9/22 To 10/1 * Date S.I.P. Measured 6/12/57

Meter Run Size Orifice Size 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 (6.95) ^{2} x sp. const. 10	=	483	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	483	psia	(h)
P_t = (h) + (f)	=	483	psia	(i)
Wellhead casing shut-in pressure (Dwt) 696	psig + 12 =	708	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 696	psig + 12 =	708	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	708	psia	(l)
Flowing Temp. (Meter Run) 69 °F + 460	=	525	°Abs	(m)
P_d = ½ P_c = ½ (1)	=	354	psia	(n)

FLOW RATE CALCULATION

Q = (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \quad = \quad \right)^n$ = 298 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\left(\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right) = \frac{375,948}{267,975} \right]^n = 298 \left(\frac{1.4029}{1.3535} \right) = 397$ MCF/da.

SUMMARY

P_c = 708	psia	Company	El Paso Natural Gas
Q = 298	Mcf/day	By	Original Signed
P_w = 483	psia	Title	Lewis D. Galloway
P_d = 354	psia	Witnessed by	
D = 397	Mcf/day	Company	

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2}{R^2}$ $(1-e^{-s})$	Pt^2 (Column i)	P_t^2
			FRICTION NEGLECTED		

3 at 850 = 491

RECEIVED
OCT 24 1957
OIL CON. COM.
DIST. 3