Initial Deliverability Test

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 Wildcat Formation Pictured Cliffs County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Date Test Filed ______

Operator El Paso Natural Gas Lease San Juan 28-7 Unit Well No. 75 (P)

Unit L Sec. 15 Twp. 28 Rge. 7 Pay Zone: From [illegible] To [illegible]

Casing: OD 7-5/8 WT. 15.5 Set At [illegible] Tubing: OD 2 WT. 4.7 T. Perf. [illegible]

Produced Through: Casing ______ Tubing X Gas Gravity: Measured [illegible] Estimated ______

Date of Flow Test: From 10/1 To 10/9 * Date S.I.P. Measured 7/5/57

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 (7.40) ^{2} x sp. const. .5	=	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) 1057	psig + 12 =	1069	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1057	psig + 12 =	1069	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1069	psia	(l)
Flowing Temp. (Meter Run) 66 °F + 460	=	526	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	535	psia	(n)

FLOW RATE CALCULATION

Q = ______ (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \_\_\_ = \_\_\_ \right)$ * = 232 MCF/da

DELIVERABILITY CALCULATION

D = Q 232 $\left[\frac{P_c^2 - P_d^2 = 856,556}{P_c^2 - P_w^2 = 1,066,6[illegible]} \right]^n$ $\frac{.8029}{.8[illegible]}$ = 192 MCF/da.

SUMMARY

P_c =	1069	psia
Q =	232	Mcf/day
P_w =	276	psia
P_d =	535	psia
D =	192	Mcf/day

Company El Paso Natural Gas
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})	$(F_cQ)2$	$(F_cQ)^2$ (1-e^{-s}) R^2	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
[illegible]	.211	4.757	1.004	75.076	76.080	276

D at 250 = 252

RECEIVED OCT 22 1957 OIL CON. COM. DIST. 3

OK