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 [illegible] Formation Mesa Verde County San Juan

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed ______

Operator El Paso Natural Gas Lease San Juan 32-9 Well No. 37

Unit [illegible] Sec. [illegible] Twp. 32 Rge. 9 Pay Zone: From 5508 To 5991

Casing: OD 5½ WT. 15.5 Set At [illegible] Tubing: OD 2 WT. 4.7 T. Perf. 5978

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

Date of Flow Test: From 4/30 To 5/8/57 * Date S.I.P. Measured 10/29/56 ([illegible] days)

Meter Run Size 4 Orifice Size 1.250 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 (7.30)^2 x sp. const. 10 =	533	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e) =	533	psia	(h)
P_t = (h) + (f) =	533	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1061 psig + 12 =	1073	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1031 psig + 12 =	1043	psia	(k)
P_c = (j) or (k) whichever well flowed through =	1043	psia	(l)
Flowing Temp. (Meter Run) 70 °F + 460 =	530	°Abs	(m)
P_d = ½ P_c = ½ (1) =	[illegible]	psia	(n)

FLOW RATE CALCULATION

$$Q = \_\_\_\_\_\_ \text{(integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \_\_\_\_ = \_\_\_\_ \right) = 973 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q\ 973 \left[\frac{\left(P_c^2 - P_d^2\right) = 835,[illegible]}{\left(P_c^2 - P_w^2\right) = 764,532} \right]^n \quad \frac{1.0093}{1.0893} = [illegible] \text{ MCF/da.}$$

SUMMARY

P_c =	[illegible]	psia	Company El Paso Natural Gas Company
Q =	[illegible]	Mcf/day	By ______
P_w =	[illegible]	psia	Title ______
P_d =	[illegible]	psia	Witnessed by ______
D =	[illegible]	Mcf/day	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]	[illegible]	83,406	19,[illegible]	[illegible]	[illegible],337	551

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