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 Blanco Formation [illegible] County [illegible]

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed [illegible]

Operator [illegible] Lease State Well No. 4

Unit G Sec. 32 Twp. 31N Rge. 9W Pay Zone: From 4803 To 5635

Casing: OD 7" WT. 20 & 23 Set At 4739 Tubing: OD 2" WT. 4.7 T. Perf. 5440

Produced Through: Casing ^ Tubing XX Gas Gravity: Measured .680 Estimated ____

Date of Flow Test: From 9-1-58 To 9-8-58 * Date S.I.P. Measured 6-3-57

Meter Run Size 4" Orifice Size 1 3/4 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. 10 = 497 psia			(g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = ____ psia			(h)
P_t = (h) + (f) = 497 psia			(i)
Wellhead casing shut-in pressure (Dwt) 901 psig + 12 = 913 psia			(j)
Wellhead tubing shut-in pressure (Dwt) 906 psig + 12 = 918 psia			(k)
P_c = (j) or (k) whichever well flowed through = 918 psia			(l)
Flowing Temp. (Meter Run) 82 °F + 460 = ____ °Abs			(m)
P_d = ½ P_c = ½ (l) = 459 psia			(n)

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{2275} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^{*} = 2275 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{632,043}{487,508} \right]^{n} (1.2964)^{.75} 1.2249 = 2764 \text{ MCF/da.}$$

SUMMARY

P_c = 918 psia
Q = 2275 Mcf/day
P_w = 903 596 psia
P_d = 459 psia
D = 2764 Mcf/day

Company [illegible]
By [illegible]
Title Dist. Prod. Supt.
Witnessed by [illegible]
Company [illegible]

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

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)^2$	$\frac{(FcQ)^2 (1-e^{-S})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
3699	.235	457,532	107,978	247,009	[illegible]	596

RECEIVED
SEP 15 1958
OIL CON. COM.
DIST. 3