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)

SF-079

Pool Blanco Formation Mesa Verde County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease San Juan 28-6 Unit Well No. 65

Unit G Sec. 24 Twp. 28N Rge. 6W Pay Zone: From 5108 To 5730

Casing: OD 5-1/2" WT. 15.5 Set At 5740 Tubing: OD 2" WT. 4.7 T. Perf. 5662

Produced Through: Casing Tubing X Gas Gravity: Measured .690 Estimated

Date of Flow Test: From 4/9/58 To 4/17/58 * Date S.I.P. Measured 11-14-57

Meter Run Size Orifice Size 1.250 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 (7.75) ^{2} x sp. const. 10	= 601	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 601	psia	(h)
P_t = (h) + (f)	= 601	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1032	psig + 12 = 1044	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1030	psig + 12 = 1042	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 1042	psia	(l)
Flowing Temp. (Meter Run) 60 °F + 460	= 520	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 521	psia	(n)

FLOW RATE CALCULATION

Q = (integrated) x $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad\right)^*$ = 758 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{(P_c^2 - P_d^2) = 814323}{(P_c^2 - P_w^2) = 712017}\right]^n \frac{1.1436}{1.1059}$ = 838 MCF/da.

SUMMARY

P_c =	1042	psia
Q =	758	Mcf/day
P_w =	611	psia
P_d =	521	psia
D =	838	Mcf/day

Company El Paso Natural Gas
By Harold R. Knudsen
Title
Witnessed by
Company

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

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$(FcQ)^2 (1-e^{-s})$ / R^2	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
3907	.247	50.704	12,546	361,201	373747	611

D at 500 = 834

RECEIVED
MAY 2 1958
OIL CON. COM.
DIST. 3