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 Aztec Formation Pictured Cliffs County San Juan

Purchasing Pipeline _____ Date Test Filed _____

Operator El Paso Natural Gas Lease San Jacinto Well No. No. 2

Unit A Sec. 20 Twp. 29N Rge. 10W Pay Zone: From 1934 To 1976

Casing: OD 5-1/2 WT. 15.5 Set At 2055 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 1950

Produced Through: Casing _____ Tubing X Gas Gravity: Measured .654 Estimated _____

Date of Flow Test: From 2/21/58 To 3/1/58 * Date S.I.P. Measured 12-31-57 (16 days)

Meter Run Size _____ Orifice Size 1.500 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 (7.50) ^{2} x sp. const. 500	= 281	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 281	psia	(h)
P_t = (h) + (f)	= 281	psia	(i)
Wellhead casing shut-in pressure (Dwt) 635	psig + 12 = 647	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 635	psig + 12 = 647	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 647	psia	(l)
Flowing Temp. (Meter Run) 63 °F + 460	= 523	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 324	psia	(n)

FLOW RATE CALCULATION

$$Q = \text{_____ (integrated)} \times \left(\frac{\sqrt{h_w}}{\sqrt{(d)}} = \text{_____} = \text{_____} \right)^{*} = 1490 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{313[illegible]}{2198[illegible]} \right]^{n} \frac{(1.4263)^{.85}}{(1.3520)} = 2014 \text{ MCF/da.}$$

SUMMARY

P_c = 647 psia
Q = 1490 Mcf/day
P_w = 446 psia
P_d = 324 psia
D = 2014 Mcf/day

Company El Paso Natural Gas
By Original Signed
Title _____
Witnessed by Lewis D. Galloway
Company _____

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2 \quad (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
1275	.089	1345.716	119.769	78.961	198.730	446

D at 250 = 1528

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