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 South Blanco Formation Pictured Cliff County San Juan

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed

Operator El Paso Natural Gas Co. Lease Bolack Well No. 2-C

Unit D Sec. 28 Twp. 27N Rge. 8W Pay Zone: From 2143 To 2200

Casing: OD 7 WT. 20 Set At 2143 Tubing: OD 1 WT. 1.68 T. Perf. 2121

Produced Through: Casing ____ Tubing I Gas Gravity: Measured ____ Estimated .645

Date of Flow Test: From 1/16 To 1/23/56 * Date S.I.P. Measured 12/5/55

Meter Run Size 4 Orifice Size ____ 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 (7.50)^2 x sp. const. 5 = 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) 850 psig + 12 = 862 psia			(j)
Wellhead tubing shut-in pressure (Dwt) 850 psig + 12 = 862 psia			(k)
P_c = (j) or (k) whichever well flowed through = 862 psia			(l)
Flowing Temp. (Meter Run) 49 °F + 460 = 509 °Abs			(m)
P_d = ½ P_c = ½ (l) = 431 psia			(n)

FLOW RATE CALCULATION

Q = ____ (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \frac{\quad}{\quad}\right)^*$ = 245 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{(P_c^2 - P_d^2) = 557,283}{(P_c^2 - P_w^2) = 649,598}\right]^n \frac{.8579}{.8778}$ = 215 MCF/da.

SUMMARY

P_c = 862 psia
Q = 245 Mcf/day
P_w = 306 psia
P_d = 431 psia
D = 215 Mcf/day

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

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

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(FcQ)^2}{R^2}$ $(1-e^{-s})$	Pt^2 (Column i)	$P_c^2 + R^2$	P_w
1368	.095	152.473	14,485	78,961	93,446	306

D @ 250 = 248

OK

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