

Initial
Deliverability Test

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122-A
(EL PASO)

GAS WELL TEST DATA SHEET — SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE & ALL DAKOTA EXCEPT
BARKER DOME STORAGE AREA)

74872 Pool SOUTH BLANCO Lease FLORANCE D No. 15
Formation PC Unit P S 17 T 27 R 08 Pay Zone 2840 to 2900 Cty. SJ
Casing - OD 5500 Wt. 1550 Set at 2917 Tubing - OD 1250 Wt. 0240 L 2838 (T. Perf.)
Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow		S.I.P. Measured	Prod. String
From	<u>100759</u>	To	<u>101559</u>
			<u>080559</u>
			O.D. <u>1,250</u>
Deadweight Flowing Pressure, psia			
Casing	(a)	Tubing	(b)
		Meter	(c)
			Wt. <u>2.40</u>
Flowing Pressure, psia		Deadweight Shut-in Pressure, psia	
Chart	(d)	Tubing	<u>784</u> (k)
		Casing	<u>784</u> (j)
			Length <u>2838</u>

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia Chart 221 (g) Corrected 221 (h)

FRICTION CALCULATION

Grav. .651 $P_t =$ 221 (i) $GL =$ 1848 $(1-e^{-3}) =$.126

$(F_c Q)^2 =$ 174134 $(1-e^{-3})(F_c Q)^2 = R^2 =$ 21941 $P_t^2 =$ 48841 $P_w^2 =$ 70782

FLOW RATE CALCULATION

$Q =$ 536 X $\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 536

DELIVERABILITY CALCULATION

$D = Q$ 536 X $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N =$.8476 $=$.8688

SUMMARY

$P_c =$ 784
 $Q =$ 536
 $P_w =$ 266
 $P_d =$ 392
 $D =$ 466

D at 250 or 500 520

Company EL PASO NATURAL GAS CO.

Note:

250# for P.C.
500# for M.V.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By

520

Company



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