

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)Initial
Deliverability Test

74865 Pool UNDESIGNATED Lease FEDERAL E No. 32
 Formation PC Unit C S 32 T 26 R 02 Pay Zone 3894 to 3918 Cty. RA
 Casing - OD 5500 Wt. 1550 Set at 3966 Tubing - OD 1250 Wt. 0240 L 3902 (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>090759</u>	To	<u>091559</u>
			<u>070859</u>
			O.D. <u>1.250</u>
Deadweight Flowing Pressure, psia			
Casing	<u>(a)</u>	Tubing	<u>(b)</u>
		Meter	<u>(c)</u>
			Wt. <u>2.40</u>
Flowing Pressure, psia		Deadweight Shut-in Pressure, psia	
Chart	<u>(d)</u>	Tubing	<u>1016</u> (k)
		Casing	<u>1013</u> (j)
			Length <u>3902</u>

Meter Error

0 (e)

Friction Loss

0 (f)

7 Day Avg. Flowing Pres., psia

Chart 221 (g) Corrected 221 (h)

FRICTION CALCULATION

Grav. .673 $P_t =$ 221 (i) $GL =$ 2626 $(1-e^{-s}) =$.174

$(F_c Q)^2 =$ 219662 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 38221 $P_t^2 =$ 48841 $P_w^2 =$ 87062

FLOW RATE CALCULATION

$Q =$ 602 X $\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 602

DELIVERABILITY CALCULATION

$D = Q$ 602 X $\left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$.8190 $=$.8439 $=$ 508

SUMMARY

 $P_c =$ 1016 $Q =$ 602 $P_w =$ 295 $P_d =$ 508 $D =$ 508D at 250 or 500 592 Company EL PASO NATURAL GAS CO.

Note:

250# for P.C.

500# for M.V.

By H. L. KENDRICKTitle GAS ENGINEER

Witnessed By _____

592

Company _____



