

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

74721 Pool SOUTH BLANCO Lease JICARILLA F No. 15
Formation PC Unit E S 15 T 26 R 05 Pay Zone 3191 to 3229 Cty. RA
Casing - OD 5500 Wt. 1550 Set at 3300 Tubing - OD 1250 Wt. 0240 L 3216 (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>010759</u>	To	<u>011559</u>	<u>103058</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>1077</u>	(k)	Casing	<u>1077</u>	(j)	Length	<u>3216</u>

Meter Error	Friction Loss	7 Day Avg. Flowing Pres., psia
<u>0</u> (e)	<u>0</u> (f)	Chart <u>242</u> (g) Corrected <u>242</u> (h)

FRICITION CALCULATION

Grav. .660 $P_t =$ 242 (i) $GL =$ 2123 $(1-e^{-s}) =$.143

$(F_c Q)^2 =$ 41293 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 5905 $P_t^2 =$ 58564 $P_w^2 =$ 64469

FLOW RATE CALCULATION

$Q =$ 261 $\times \sqrt{\frac{(c)}{(d)}} \times \frac{1.0000}{1.0000} =$ 261

DELIVERABILITY CALCULATION

$D = Q$ 261 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$.7936 $=$.8216 $=$ 214

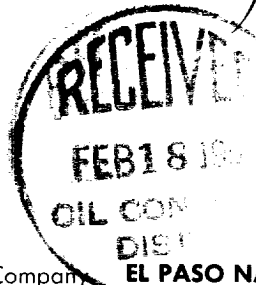
SUMMARY

$P_c =$ 1077
 $Q =$ 261
 $P_w =$ 254
 $P_d =$ 539
 $D =$ 214

D at 250 or 500 259

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

Company EL PASO NATURAL GAS CO.
By H. L. KENDRICK
Title GAS ENGINEER
Witnessed By _____
Company _____



CHILDREN OF THE AMERICAN HOME

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