

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

70389 Pool BLANCO MV Lease 30 6 MCCULLY A No. 1
Formation MV Unit H S 14 T 30 R 07 Pay Zone 5045 to 5378 Cty. RA
Casing - OD 7000 Wt. 2300 Set at 4959 Tubing - OD 2000 Wt. 0470 L 9451 (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>071540</u>	<u>050440</u>	O.D. <u>2.000</u>
To	<u>072260</u>		
Deadweight Flowing Pressure, psia			
Casing	(a)	Tubing (b)	Wt. <u>4.70</u>
Flowing Pressure, psia			
Chart	(d)	Tubing <u>919</u> (k)	Length <u>5451</u>
Deadweight Shut-in Pressure, psia			
		Casing <u>942</u> (j)	

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia Chart 497 (g) Corrected 497 (h)

FRICTION CALCULATION

Grav. .657 $P_t =$ 497 (i) $GL =$ 3581 $(1-e^{-1}) =$.229

$(F_c Q)^2 =$ 25020 $(1-e^{-1})(F_c Q)^2 = R^2 =$ 5730 $P_t^2 =$ 247009 $P_w^2 =$ 252739

FLOW RATE CALCULATION

$Q =$ 532 (integrated) $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 532

DELIVERABILITY CALCULATION

$D = Q$ 532 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$ 1.0695 $=$ 1.0916 $=$ 559

Tubing was perforated.

SUMMARY

$P_c =$ 919
 $Q =$ 532
 $P_w =$ 503
 $P_d =$ 460
 $D =$ 559

D at 250 or 500 522

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

Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK
Title GAS ENGINEER

Witnessed By _____

522

Company _____

