

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

74012 Pool WEST KUTZ Lease A BOLACK No. 5
Formation PC Unit K S 09 T 27 R 11 Pay Zone 1946 to 2026 Cty. 8J
Casing - OD 5500 Wt. 1550 Set at 1946 Tubing - OD 1000 Wt. 0170 L 1955 (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>022060</u>	To <u>022860</u>	<u>5</u> <u>072308</u>	O.D. <u>5.500</u>
Deadweight Flowing Pressure, psia			
Casing <u> </u> (a)	Tubing <u> </u> (b)	Meter <u> </u> (c)	Wt. <u>15.50</u>
Flowing Pressure, psia		Deadweight Shut-in Pressure, psia	
Chart <u> </u> (d)	Tubing <u> </u> (k)	Casing <u>251</u> (j)	Length <u>1946</u>

Meter Error 0 (e) Friction Loss 0 (f) 7 Day Avg. Flowing Pres., psia
Chart 154 (g) Corrected 154 (h)

FRICTION CALCULATION

Grav. .650 $P_t =$ 154 (i) $GL =$ 1265 $(1-e^{-x}) =$.088
 $(F_c Q)^2 =$ 21 $(1-e^{-x})(F_c Q)^2 = R^2 =$ 2 $P_t^2 =$ 23716 $P_w^2 =$ 23718

FLOW RATE CALCULATION

$Q =$ 168 X $\sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} =$ 168
(integrated)

DELIVERABILITY CALCULATION

$D = Q$ 168 X $\left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{1.1995}{1.1672} =$ 196

SUMMARY

$P_c =$ 251
 $Q =$ 168
 $P_w =$ 154
 $P_d =$ 126
 $D =$ 196

D at 250 or 500 0

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



Company EL PASO NATURAL GAS CO.

By H. L. KENDRICK

Title GAS ENGINEER

Witnessed By

81 Company

RECEIVED

1994

OLYMPIA