

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

74780 Pool UNDESIGNATED Lease JICARILLA 67 No. 5
Formation DAK Unit N S 29 T 25 R 05 Pay Zone 6981 to 7084 Cty. RA
Casing - OD 5500 Wt. 1550 Set at 7212 Tubing - OD 2000 Wt. 0470 L 7039 (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>020759</u>	To <u>021559</u>	<u>121858</u>	O.D. <u>2.000</u>
Deadweight Flowing Pressure, psia			
Casing <u> </u> (a)	Tubing <u> </u> (b)	Meter <u> </u> (c)	Wt. <u>4.70</u>
Flowing Pressure, psia		Deadweight Shut-in Pressure, psia	
Chart <u> </u> (d)	Tubing <u>1269</u> (k)	Casing <u>2009</u> (j)	Length <u>7039</u>

Meter Error <u>0</u> (e)	Friction Loss <u>0</u> (f)	7 Day Avg. Flowing Pres., psia <u>490</u> (g)	Corrected <u>490</u> (h)
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FRICITION CALCULATION

Grav. .688 $P_t =$ 490 (i) $GL =$ 4843 $(1-e^{-s}) =$.297

$(F_c Q)^2 =$ 122036 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 36245 $P_t^2 =$ 240100 $P_w^2 =$ 276345

FLOW RATE CALCULATION

$Q =$ 1175 $\times$ $\left[\sqrt{\frac{(c)}{(d)}} \right] =$.0000 $=$ 1175

DELIVERABILITY CALCULATION

$D = Q$ 1175 $\times$ $\left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N =$.9048 $=$.9277 $=$ 1090

SUMMARY

$P_c =$ 1269
 $Q =$ 1175
 $P_w =$ 526

D at 250 or 500 1161

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

Company EL PASO NATURAL GAS CO.
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Title GAS ENGINEER



