

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

72550 Pool UNDESIGNATED Lease LODEWICK No. 9
 Formation DAKOTA Unit C S 19 T 27 R 09 Pay Zone 6822 to 6944 Cty. SJ
 Casing - OD 5500 Wt. 1700 Set at 7057 Tubing - OD 2000 Wt. 0470 L 6861 (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>031560</u>	To	<u>032260</u>
		<u>011960</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>1917</u> (k)
		Casing	<u>1917</u> (j)
			Length <u>6861</u>

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

FRICTION CALCULATION

Grav. .668 $P_t =$ 490 (i) $GL =$ 4583 $(1-e^{-s}) =$.283

$(F_c Q)^2 =$ 133079 $(1-e^{-s})(F_c Q)^2 = R^2 =$ 37661 $P_t^2 =$ 240100 $P_w^2 =$ 277761

FLOW RATE CALCULATION

$Q =$ 1227 $\times$ $\sqrt{\frac{(c)}{(d)} \frac{1.0000}{1.0000}}$ $=$ 1.0000 $=$ 1227

DELIVERABILITY CALCULATION

$D = Q$ 1227 $\times$ $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^N =$.8110 $=$ 1049



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