

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

71108 Pool BLANCO MV Lease SAN JUAN 28 5 No. 1
Formation MV Unit G S 29 T 28 R 05 Pay Zone 5250 to 5878 Cty. RA
Casing - OD 7000 Wt. 2000 Set at 5204 Tubing - OD 2000 Wt. 0470 L 5849 (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>092960</u>	To <u>100760</u>	<u>061460</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>622</u> (k)	Casing <u>833</u> (j)	Length <u>5849</u>

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

FRICTION CALCULATION

Grav. .702 $P_t = \underline{497}$ (i) GL = 4106 $(1-e^{-s}) = \underline{.258}$
 $(F_c Q)^2 = \underline{2928}$ $(1-e^{-s})(F_c Q)^2 = R^2 = \underline{755}$ $P_t^2 = \underline{247009}$ $P_w^2 = \underline{247764}$

FLOW RATE CALCULATION

$Q = \frac{182}{(\text{integrated})} \times \sqrt{\frac{(c)}{(d)} \frac{1.0000}{1.0000}} = \frac{1.0000}{1.0000} = \underline{182}$

DELIVERABILITY CALCULATION

$D = Q \frac{182}{\left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \underline{2.0857} \right)^N} = \frac{1.7355}{1.7355} = \underline{316}$

Unable to obtain 25% drawdown
An Intermittent installed. Turned back on production 9/15/60.

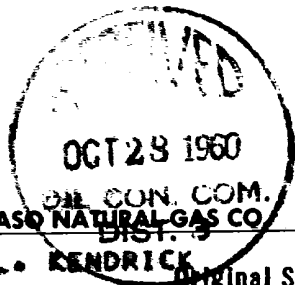
SUMMARY

$P_c = \underline{622}$
 $Q = \underline{182}$
 $P_w = \underline{498}$
 $P_d = \underline{311}$
 $D = \underline{316}$

D at 250 or 500 167

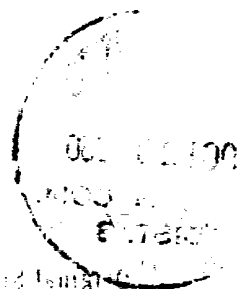
Note:
250 # for P.C. *
500 # for M.V.

Company EL PASO NATURAL GAS CO.
By H. L. KENDRICK Original Signed
Title GAS ENGINEER Harold L. Kendrick
Witnessed By _____
Company _____



OK

168



Number 025 made at gincol

Central Library
of the University of California