EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE _____ June 25, 1973 _____

Operator		Lease	
El Paso Natural Gas Company		Sunray A No. 7	

Location	County	State
1700'N, 1825'E, Section 10, T30N, R10W	San Juan	New Mexico

Formation	Pool
Pictured Cliffs Ext.	Blanco

Casing: Diameter	Set At: Feet	Tubing: Diameter	Set At: Feet
2.875	3255	No Tubing	

Pay Zone: From	To	Total Depth:	Shut In
3138	3190	3255	6/6/73

Stimulation Method	Flow Through Casing	Flow Through Tubing
SWF	XX	

Choke Size, Inches	Choke Constant: C	Tubingless Completion	
.750	12.365		

Shut-In Pressure, Casing, PSIG	+12 = PSIA	Days Shut-In	Shut-In Pressure, Tubing PSIG	+12 = PSIA
1021	1033	19	No Tubing	

Flowing Pressure: P PSIG	+12 = PSIA	Working Pressure: Pw PSIG	+12 = PSIA
265	277	Calculated	351

Temperature:	n =	Fpv (From Tables)	Gravity
T = 70 °F Ft = .9905	.85	1.023	.635 Fg = .9721

CHOKE VOLUME $= Q = C \times P_t \times F_t \times F_g \times F_{pv}$

$$Q = (12.365)(277)(.9905)(.9721)(1.023) = \underline{\hspace{1cm} 3374 \hspace{1cm}} \text{ MCF/D}$$

OPEN FLOW $= A_{of} = Q \left(\dfrac{P_c^2}{P_c^2 \quad P_w^2} \right)^n$

NOTE: The well produced dry gas.

$$A_{of} = Q \left(\dfrac{1067089}{943888} \right)^n = 3374 (1.1305)^{.85} = 3374 (1.1099)$$

$$A_{of} = \underline{\hspace{1cm} 3745 \hspace{1cm}} \text{ MCF/D}$$

RECEIVED
JUN 27 1973
OIL CON. COM.
DIST. 3
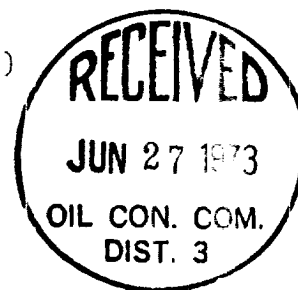
TESTED BY _____ C. R. Wagner _____

WITNESSED BY _____

William D. Welch
William D. Welch, Well Test Engineer