

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE 3-9-71

Operator El Paso Natural Gas Company		Lease Lecofano Unit No. 218	
Location 800 N. 800 W. S29. T26N. R10W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 6551	Tubing: Diameter 2.375	Set At: Feet 6500
Pay Zone: From 6366	To 6522	Total Depth: 6551	Shut In 2-28-71
Stimulation Method SWP		Flow Through Casing	Flow Through Tubing XX

Choke Size, Inches 4" MR 2.750 Ht.		Shut-In Constant: C 41.9208		Tested thru 3/4" variable choke	
Shut-In Pressure, Casing, PSIG 1737	+ 12 = PSIA 1749	Days Shut-In 9	Shut-In Pressure, Tubing PSIG 1489	+ 12 = PSIA 1501	
Flowing Pressure: P PSIG 461 WH 119 MP	+ 12 = PSIA 473 WH 131 MP		Working Pressure: Pw PSIG 822	+ 12 = PSIA 834	
Temperature: T = 77°F Ff = .9840	n = .75		Fpv (From Tables) 1.013	Gravity .700	Fg = 1.1952

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

$$Q = \text{Calculated from orifice meter readings} = \underline{3587} \text{ MCF/D}$$

$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

Note: the well produced 46.08 bbls. of
47.1 API Gravity oil during test.

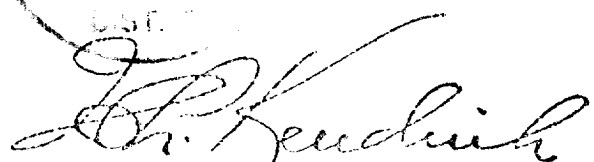
$$Aof = \left(\frac{3090001}{2363445} \right)^{.75} = (3587)(1.2943)^{.75} (3587)(1.2135)$$

$$Aof = \underline{4353} \text{ MCF/D}$$

TESTED BY BJR-RUL-GRW

WITNESSED BY _____

MPS

OIL CON. OF
CST.


H. L. Kendrick