

DATE November 13, 1957

Operator El Paso Natural Gas Company		Lease Bolack No. 3-B	
Location 790'S, 2200'W, Sec. 33-28-8		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing Diameter 7-5/8	Set At: Feet 2362	Tubing Diameter 1-1/4	Set At: Feet 2218
Pay Zone: From 2176	To 2207	Total Depth: 4640	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, inches 0.750		Choke Constant: C 12,365		5-1/2" liner - 2312-4635	
Shut-in Pressure, Casing, PSIG PC 856	+ 12 = PSIA 868	Days Shut-In 17	Shut-in Pressure, Tubing, PSIG PC 856	+ 12 = PSIA 868	
Flowing Pressure, P, PSIG 194	+ 12 = PSIA 206		Working Pressure, Pw, PSIG 198	+ 12 = PSIA 210	
Temperature, °F 62	0.85		Fpv (From Tables) 1.017	Gravity 0.620	

Initial SIPT (MV) - 1027 psig; Final - 1027 psig. 2" at 4474. Packer at 2353. Sleeve at 2225

CHOKER VOLUME $Q = C \times P_c \times F_c \times F_g \times F_{pv}$

$Q \quad 12.365 \times 194 \times .9981 \times .9837 \times 1.017 \quad = \quad 2395 \quad \text{MCF/D}$

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

$Aof \quad \left(\frac{753,424}{709,324} \right)^n \quad = \quad 1.0621^{.85} \times 2395 = 1.0525 \times 2395$

$Aof \quad 2521 \quad \text{MCF/D}$

TESTED BY S. V. Roberts

WITNESSED BY

cc: E. S. Oberly (6)

L. D. Galloway

