

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE Aug. 15, 1979

Operator <u>El Paso Natural Gas Company</u>		Lease <u>San Juan 28-6 Unit #49A</u>	
Location <u>NW 16-28-6</u>		County <u>Rio Arriba</u>	State <u>New Mexico</u>
Formation <u>Mesa Verde</u>		Pool <u>Blanco</u>	
Casing: Diameter <u>7.000</u> Liner <u>4.500</u>	Set At: Feet <u>3781</u> <u>3641 - 6106'</u>	Tubing: Diameter <u>2.375</u>	Set At: Feet <u>5037'</u>
Pay Zone: From <u>5172'</u>	To <u>6032'</u>	Total Depth: PBDT <u>6089</u> <u>6106'</u>	Shut In <u>8-4-79</u>
Stimulation Method <u>Sand Water Frac</u>		Flow Through Casing	Flow Through Tubing <u>XX</u>

Choke Size, Inches		Choke Constant: C			
Shut-In Pressure, Casing, PSIG <u>609</u>	+ 12 = PSIA <u>621</u>	Days Shut-In <u>11</u>	Shut-In Pressure, Tubing PSIG <u>340</u>	+ 12 = PSIA <u>352</u>	
Flowing Pressure: P PSIG	+ 12 = PSIA		Working Pressure: P _w PSIG	+ 12 = PSIA	
Temperature: T = °F F _t =	n =		F _{pv} (From Tables)	Gravity F _g =	

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

Q =

= _____ MCF/D

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

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

Aof = _____ MCF/D

TESTED BY John Easley

WITNESSED BY _____



A. E. McAnally
Well Test Engineer

EL PASO NATURAL GAS CO. ✓

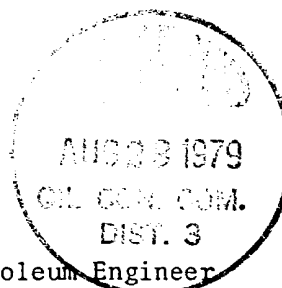
DEVIATION REPORT

Name of Company El Paso Natural Gas Company		Address P. O. Box 289, Farmington, New Mexico 87401			
Lease San Juan 28-6 Unit	Well No. 49 A	Unit D	Sec. 16	Township 28-N	Range 6-W
Pool Blanco Mesa Verde		County Rio Arriba			

DEPTH

DEVIATION

217'	1/2°
750'	1/2°
1240'	3/4°
1580'	3/4°
2100'	1°
2590'	3/4°
3120'	1/2°
3620'	3/4°
3795'	1/4°
4220'	1°
4713'	1 1/4°
5211'	1 1/4°
5713'	1 1/4°
6106'	1 1/4°



I, the undersigned, certify that I, acting in my capacity as Petroleum Engineer of El Paso Natural Gas Company, am authorized by said Company to make this report; and that this report was prepared by me or under my supervision and directions and that the facts stated therein are true to the best of my knowledge and belief.

Subscribed and sworn to before me this 20 day of August, 19 79.

Rosa G. Busco
Notary Public in and for San Juan County, New Mexico

My Commission expires, October 5, 1980