FORM 23-75 (12-66)

OPEN FLOW TEST DATA

DATE August 22, 1972

Operator: El Paso Natural Gas Company		Lease: Huerfano Unit #159 (OWO)	
Location: 1650/N, 890/W, Sec. 17-T26N-R9W		County: SJ	State: NM
Formation: DK		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 6695	Tubing: Diameter: 2.375	Set At: Feet: 6572
Pay Zone: From: 6512	To: 6634	Total Depth: 6695	Shut In: 8/15/72
Stimulation Method: SWF		Flow Through Casing	Flow Through Tubing: X

Choke Size, Inches: 2.750		Choke Constant: C: 41.10			
Shut-In Pressure, Casing, PSIG: 1014	+ 12 = PSIA: 1026	Days Shut-In: 7	Shut-In Pressure, Tubing PSIG: 1014	+ 12 = PSIA: 1026	
Flowing Pressure: P PSIG: 17	+ 12 = PSIA: 29		Working Pressure: Pw PSIG: 229	+ 12 = PSIA: 241	
Temperature: T= 71 °F	Ft= .9896	n = .75	Fpv (From Tables): 1.004	Gravity: .692	Fg = 1.202

CHOKE VOLUME = Q = C x P_t x F_t x F_g x F_{pv}

Q = Calculated from meter readings = 182 MCF/D

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

Aof = $\left(\frac{1\ 052\ 676}{994\ 595} \right)^n$ = (182)(1.0584)$^{.75}$ =(182)(1.0435)

Aof = 189 MCF/D

NOTE: Well produced approx. ½ bbl. of 44.6 gravity oil in 3 hrs.

RECEIVED
SEP 12 1972
OIL CON. COM.
DIST. 3

TESTED BY C. D. Rhames & T. D Norton

WITNESSED BY

J. A. Jones
Well Test Engineer