FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE October 12, 1971

Operator: El Paso Natural Gas Company		Lease: San Juan 28-7 Unit No. 153	
Location: 800'/N, 990'/E, S 20, T27N, R7W		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 7535	Tubing: Diameter: 2.375	Set At: Feet: 7450
Pay Zone: From: 7292	To: 7462	Total Depth: 7535	Shut In: 9-8-71
Stimulation Method: S W F		Flow Through Casing	Flow Through Tubing: xxx

METER Size, Inches: 4"-MR 2.750" Plate	METER Constant: C: 41.9208		Well tested through 3/4" variable choke	
Shut-In Pressure, Casing, PSIG: 2292	+ 12 = PSIA: 2304	Days Shut-In: 27	Shut-In Pressure, Tubing PSIG: 2179	+ 12 = PSIA: 2191
Flowing Pressure: P PSIG: 104-MR 416-WH	+ 12 = PSIA: 116-MR 428-WH		Working Pressure: P_w PSIG: 802	+ 12 = PSIA: 814
Temperature: T= 68 °F Ft= .9924	n = 0.75		Fpv (From Tables): 1.010	Gravity: 0.650 Fg= 1.2403

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

Q = Calculated from orifice meter readings = 3581 MCF/D

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

NOTE: Well made 30.16 bbls. of 57.8°API oil.

$$Aof = \left(\frac{5308416}{4645820} \right)^n = 3581(1.1426)^{.75} = 3581(1.1052)$$

Aof = 3958 MCF/D

RECEIVED
OCT 14 1971
OIL CON. COM.
DIST. 3

TESTED BY B.J.Broughton-R.R.Hardy

WITNESSED BY _____

H. E. McAnally

H. E. McAnally