

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 5, 1961

Operator El Paso Natural Gas Co.	Lease Jicarilla No. 183-1
Location 1320'N, 990'W, Sec. 28-23N-3W	County Sandoval State New Mexico
Field Pictured Cliffs	Pool Ballard PC
Well Diameter 2-7/8" O.D. Set At Feet 3108	Tubing Diameter No Tubing Set At Feet ----
Well Depth 3022 In 3054	Total Depth 3110 C/O 3101 Shut In 7-22-61
Completion Method Sand/Water Frac.	Flow Through Casing X Flow Through Tubing

Flow Line Losses 0.750	Friction Factor 12.365	"Tubingless Completion"
Wellbore Friction 653	Flow Line Friction 665	Static Pressure, tubing No Tubing
Flow Line Friction 189	Flow Line Friction 201	Working Pressure, Fw Calc. 254
Temperature 64 F	Gravity .9608	Flow Through Tubing
Flow Line Friction .9962	Flow Line Friction .85	Flow Through Casing
Flow Line Friction 1.019	Flow Line Friction .650	Flow Through Tubing

CHOKES VOLUME $Q = C \times P_r \times F_r \times F_g \times F_{pv}$

$Q = (12.365)(201)(.9962)(.9608)(1.019)$

2424

MCF/D

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

$$Q = \left(\frac{442,225}{377,709} \right)^n$$

$$(1.1708)^{.85}(2424) = (1.1433)(2424)$$

2771

MCF/D

Dannie Roberts

Calculated by: W. D. Dawson

RECEIVED
AUG 11 1961
L. D. Galloway
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