

Deliverable

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19 70

Form C122-A
Revised 1-1-68

POOL NAME Otero	POOL SLOPE n = .75	FORMATION Chacra	COUNTY RA
---------------------------	------------------------------	----------------------------	---------------------

87-112

COMPANY El Paso Natural Gas Co.			WELL NAME AND NUMBER Canyon Largo Unit No. 149		
UNIT LETTER J	SECTION 3	TOWNSHIP 25	RANGE 6	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 3922	TUBING O.D. - INCHES None	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY	GRAVITY X LENGTH
FROM 3768	TO 3876	CASING XX	TUBING	.651	2453
DATE OF FLOW TEST			DATE SHUT-IN PRESSURE MEASURED		
FROM 1-7-70	TO 1-15-70	11-22-69			

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) -	(b) Flowing Tubing Pressure (DWt) -	(c) Flowing Meter Pressure (DWt) -	(d) Flow Chart Static Reading -	(e) Meter Error (Item c - Item d) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 231
(h) Corrected Meter Pressure (g + e) 231	(i) Avg. Wellhead Press. $P_t = (h + f)$ 231	(j) Shut-in Casing Pressure (DWt) 937	(k) Shut-in Tubing Pressure (DWt) -	(l) $P_c =$ higher value of (j) or (k) 937	(m) Del. Pressure $P_d =$ 80 % P_c 750	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 1174	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.00000	Corrected Volume Q = 1174 MCF/D
--	--	--	---

WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.163	$(F_c Q_m)^2 (1000)$ 42470	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 6923	P_t^2 53361	$P_w^2 = P_t^2 + R^2$ 60284	$P_w = \sqrt{P_w^2}$ 246
-------------------------------	--------------------------------------	--	-------------------------	---------------------------------------	------------------------------------

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 1174	$\left[\frac{315469}{817685} \right]^n =$.3858	$=$.4895	$=$ 575 MCF/D
---	--	---------------------	-------------------------

REMARKS:

New Well 1st del. 12-11-69.

SUMMARY

Item h **231** Psia
P_c **937** Psia
Q **1174** MCF/D
P_w **246** Psia
P_d **750** Psia
D **575** MCF/D

Company **El Paso Natural Gas Co.**
By **[Signature]**
Title
Witnessed By
Company

