

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 Rio Arriba
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87-162

COMPANY El Paso Natural Gas Co.			WELL NAME AND NUMBER Canyon Largo Unit No. 159		
UNIT LETTER B	SECTION 14	TOWNSHIP 25	RANGE 6	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 3773	TUBING O.D. - INCHES -	TUBING I.D. - INCHES -	TOP - TUBING PERF. - FEET -
GAS PAY ZONE FROM 3563 TO 3670		WELL PRODUCING THRU CASING XX TUBING		GAS GRAVITY .663	GRAVITY X LENGTH 2362
DATE OF FLOW TEST FROM 7-26-70 TO 8-3-70			DATE SHUT-IN PRESSURE MEASURED 5-27-70		

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) -	(f) Friction Loss (a-c) or (b-c) -	(g) Average Meter Pressure (Integr.) 416
(h) Corrected Meter Pressure (g+e) 416	(i) Avg. Wellhead Press. $P_f = (h+f)$ 416	(j) Shut-in Casing Pressure (DWt) 897	(k) Shut-in Tubing Pressure (DWt) -	(l) P_c = higher value of (j) or (k) 897	(m) Del. Pressure $P_d = \frac{80}{718} \% P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 683	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 683 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.158	$(F_c Q_m)^2 (1000)$ 14374	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 2271	P_t^2 173056	$P_w^2 = P_t^2 + R^2$ 175327	$P_w = \sqrt{P_w^2}$ 419
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	683	$\left[\frac{289085}{629282} \right]^n =$	.4593	$=$	.5580	$=$	381 MCF/D
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REMARKS:

New Well, 1st del. July 1, 1970.

SUMMARY

Item h 416 Psia
P_c 897 Psia
Q 683 MCF/D
P_w 419 Psia
P_d 718 Psia
D 381 MCF/D

Company EL PASO NATURAL GAS COMPANY
By *[Signature]*
Title
Witnessed By
Company

