

Initial Deliverability

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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87-122

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER Canyon Largo Unit No. 163		
UNIT LETTER G	SECTION 10	TOWNSHIP 25	RANGE 6	PURCHASING PIPELINE El Paso Natural Gas Co.	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 3879	TUBING O.D. - INCHES No Tubing	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
GAS PAY ZONE FROM 3716 TO 3732		WELL PRODUCING THRU CASING XX TUBING		GAS GRAVITY .654	GRAVITY X LENGTH 2430
DATE OF FLOW TEST FROM 9-20-70 TO 9-28-70			DATE SHUT-IN PRESSURE MEASURED 5-14-70		

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) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 225
(h) Corrected Meter Pressure (g+e) 225	(i) Avg. Wellhead Press. $P_f = (h+f)$ 225	(j) Shut-in Casing Pressure (DWt) 896	(k) Shut-in Tubing Pressure (DWt) ---	(l) P_c = higher value of (j) or (k) 896	(m) Del. Pressure $P_d = \frac{80}{717} P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 963	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	Corrected Volume $\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Q = 963 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$ 0.162	$(F_c Q_m)^2 (1000)$ 28576	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 4629	P_t^2 50625	$P_w^2 = P_t^2 + R^2$ 55254	$P_w = \sqrt{P_w^2}$ 235
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 963	$\left[\frac{288727}{747562} \right]^n =$ 0.3862	$=$ 0.4899	$=$ 472 MCF/D
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REMARKS: New Well, first delivered 8-28-70.

SUMMARY

Item h	225	Psia
P_c	896	Psia
Q	963	MCF/D
P_w	235	Psia
P_d	717	Psia
D	472	MCF/D

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

