

Deliver

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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87-160

COMPANY El Paso Natural Gas Co.		WELL NAME AND NUMBER Canyon Largo Unit No. 160			
UNIT LETTER D	SECTION 13	TOWNSHIP 25	RANGE 6	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 3795	TUBING O.D. - INCHES -	TUBING I.D. - INCHES -	TOP - TUBING PERP. - FEET -
GAS PAY ZONE FROM 3584 TO 3693		WELL PRODUCING THRU CASING XX TUBING		GAS GRAVITY .668	GRAVITY X LENGTH 2394
DATE OF FLOW TEST FROM 7-26-70 TO 8-3-70			DATE SHUT-IN PRESSURE MEASURED 5-25-70		

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.) 436
(h) Corrected Meter Pressure (g+e) 436	(i) Avg. Wellhead Press. $P_t = (h+f)$ 436	(j) Shut-in Casing Pressure (DWt) 863	(k) Shut-in Tubing Pressure (DWt) -	(l) $P_c =$ higher value of (j) or (k) 863	(m) Del. Pressure $P_d = 80$ % P_c 690	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 295	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 295 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-S})$.160	$(F_c Q_m)^2 (1000)$ Friction Neg.	$R^2 = (1-e^{-S}) (F_c Q_m)^2 (1000)$ use $P_t 2$	P_t^2	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$ 436
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	295	$\left[\frac{268669}{554673} \right]^n =$	$.4844$	$= .5807$	$= 171$ MCF/D
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REMARKS:

New Well, 1st del. June 30-70

SUMMARY

Item h 436 Psia
P_c 863 Psia
Q 295 MCF/D
P_w 436 Psia
P_d 690 Psia
D 171 MCF/D

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

