

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 CH	COUNTY RA
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87-123

COMPANY El Paso Natural Gas			WELL NAME AND NUMBER Canyon Largo Unit No. 151		
UNIT LETTER E	SECTION 1	TOWNSHIP 25	RANGE 6	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 3900	TUBING O.D. - INCHES no tubing	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
GAS PAY ZONE FROM 3736 TO 3842		WELL PRODUCING THRU CASING XX TUBING		GAS GRAVITY .728	GRAVITY X LENGTH 2720
DATE OF FLOW TEST FROM 1-31-70 TO 2-8-70			DATE SHUT-IN PRESSURE MEASURED 11-3-69		

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.) 261
(h) Corrected Meter Pressure (g+e) 261	(i) Avg. Wellhead Press. $P_i = (h+f)$ 261	(j) Shut-in Casing Pressure (DWt) 924	(k) Shut-in Tubing Pressure (DWt) -	(l) P_c = higher value of (j) or (k) 924	(m) Del. Pressure $P_d = \frac{80}{739} P_c$	(n) Separator or Dehydrator Pr. (DAt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 372	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 372 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-5})$.179	$(F_c Q_m)^2 (1000)$ 4264	$R^2 = (1-e^{-5}) (F_c Q_m)^2 (1000)$ 763	P_t^2 68121	$P_w^2 = P_t^2 + R^2$ 68884	$P_w = \sqrt{P_w^2}$ 262
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	372	$\left(\frac{307655}{704892} \right)^n =$	$(.3919)^n =$	.4955	$=$	184 MCF/D
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REMARKS:

New Well 1st del. 1-14-70

SUMMARY

Item h 261 Psia
P_c 924 Psia
Q 372 MCF/D
P_w 262 Psia
P_d 739 Psia
D 184 MCF/D

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

