

NEW MEXICO OIL CONSERVATION COMMISSION WELL DELIVERABILITY TEST REPORT FOR 1969

Form C122-A
Revised 1-1-68

POOL NAME Undesignated	POOL SLOPE $n = .75$	FORMATION Chacra	COUNTY Rio Arriba
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COMPANY El Paso Natural Gas			WELL NAME AND NUMBER Canyon Largo Unit No. 142		
UNIT LETTER A	SECTION 23	TOWNSHIP 25	RANGE 6	PURCHASING PIPELINE El Paso Natural Gas	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 3525	TUBING O.D. - INCHES No tubing	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
GAS PAY ZONE FROM 3372 TO 3478		WELL PRODUCING THRU CASING XX TUBING		GAS GRAVITY .728	GRAVITY X LENGTH 2455
DATE OF FLOW TEST FROM 12-27-68 TO 1-4-69			DATE SHUT-IN PRESSURE MEASURED 10-17-68		

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.)
				0	0	183
(h) Corrected Meter Pressure (g+e)	(i) Avg. Wellhead Press. $P_t = (h+f)$	(j) Shut-in Casing Pressure (DWt)	(k) Shut-in Tubing Pressure (DWt)	(l) $P_c =$ higher value of (j) or (k)	(m) Del. Pressure $P_d =$ 80 % P_c	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
183	183	914		914	731	

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D	Quotient of $\frac{\text{Item c}}{\text{Item d}}$	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume
558	1.0000	1.0000	$Q =$ 558 MCF/D

WORKING PRESSURE CALCULATION

$(1-e^{-s})$	$(F_c Q_m)^2 (1000)$	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$	P_t^2	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
.163	9591	1563	33489	35052	187

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 558	$\left(\frac{301035}{800344} \right)^n =$.3761	$=$.4800	$=$ 268 MCF/D
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REMARKS: **New well first delivered 12-2-68**

SUMMARY

Item h **183** Psia
 P_c **914** Psia
 Q **558** MCF/D
 P_w **187** Psia
 P_d **731** Psia
 D **268** MCF/D

Company **EL PASO NATURAL GAS CO. CON. CO.**
 By **Ed. Kendrick**
 Title **Regional Well Test Engineer**
 Witnessed By _____
 Company _____

