

initial
deliverability 76

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 RA
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87-106

COMPANY El Paso Natural Gas Co.			WELL NAME AND NUMBER Canyon Largo Unit No. 148		
UNIT LETTER D	SECTION 11	TOWNSHIP 25	RANGE 6	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 3895	TUBING O.D. - INCHES None	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
GAS PAY ZONE			WELL PRODUCING THRU		GAS GRAVITY
FROM 3738	TO 3842	CASING XX	TUBING		.658
DATE OF FLOW TEST			DATE SHUT-IN PRESSURE MEASURED		
FROM 1-15-70	TO 1-23-70	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.) 217
(h) Corrected Meter Pressure (g+e) 217	(i) Avg. Wellhead Press. $P_i = (h+f)$ 217	(j) Shut-in Casing Pressure (DWt) 928	(k) Shut-in Tubing Pressure (DWt) -	(l) $P_c =$ higher value of (i) or (k) 928	(m) Del. Pressure $P_d =$ 80 % P_c 742	(n) Separator or Dehydrator Pr. (Dat) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 532	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 532 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.164	$(F_c Q_m)^2 (1000)$ 8721	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 1430	P_i^2 47089	$P_w^2 = P_i^2 + R^2$ 48519	$P_w = \sqrt{P_w^2}$ 220
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 532	$\left[\frac{310620}{812665} \right]^n =$.3822	$=$.4861	$=$ 259 MCF/D
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REMARKS:

New Well 1st del. 12-1-69.

SUMMARY

Item h **217** Psia
 P_c **928** Psia
 Q **532** MCF/D
 P_w **220** Psia
 P_d **742** Psia
 D **259** MCF/D

Company **El Paso Natural Gas Co.**
 By **F. E. McAnally**
 Title _____
 Witnessed By _____
 Company _____

