

Initial
Deliverability Test

NEW MEXICO OIL CONSERVATION COMMISSION WELL DELIVERABILITY TEST REPORT FOR 19 68

Form C122-A
Revised 1-1-68

POOL NAME <u>Undesignated</u>	POOL SLOPE n = <u>.75</u>	FORMATION <u>Chacra</u>	COUNTY <u>Rio Arriba</u>
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75747

COMPANY <u>El Paso Natural Gas Company</u>			WELL NAME AND NUMBER <u>Canyon Largo Unit No. 140</u>		
UNIT LETTER <u>A</u>	SECTION <u>9</u>	TOWNSHIP <u>25</u>	RANGE <u>6</u>	PURCHASING PIPELINE <u>El Paso Natural Gas Company</u>	
CASING O.D. - INCHES <u>2.875</u>	CASING I.D. - INCHES <u>2.441</u>	SET AT DEPTH - FEET <u>3638</u>	TUBING O.D. - INCHES <u>NO TUBING</u>	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
GAS PAY ZONE FROM <u>3453</u> TO <u>3570</u>		WELL PRODUCING THRU CASING <u>X</u> TUBING		GAS GRAVITY <u>.728</u>	GRAVITY X LENGTH <u>2514</u>
DATE OF FLOW TEST FROM <u>3-30-68</u> TO <u>4-7-68</u>			DATE SHUT-IN PRESSURE MEASURED <u>4-22-68</u>		

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.) <u>249</u>
(h) Corrected Meter Pressure (g-e) <u>249</u>	(i) Avg. Wellhead Press. $P_i = (h+f)$ <u>249</u>	(j) Shut-in Casing Pressure (DWt) <u>723</u>	(k) Shut-in Tubing Pressure (DWt)	(l) P_c = higher value of (j) or (k) <u>723</u>	(m) Del. Pressure $P_d =$ <u>578</u> $\frac{P_c}{\%P_c}$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D <u>322</u>	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ <u>1.0000</u>	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ <u>1.0000</u>	Corrected Volume Q = <u>322</u> MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-5})$ <u>.167</u>	$(F_c Q_m)^2 (1000)$ <u>3193</u>	$R^2 = (1-e^{-5}) (F_c Q_m)^2 (1000)$ <u>533</u>	P_i^2 <u>62001</u>	$P_w^2 = P_i^2 + R^2$ <u>62534</u>	$P_w = \sqrt{P_w^2}$ <u>250</u>
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ <u>322</u>	$\left(\frac{188645}{460195} \right)^n =$ <u>.4099</u>	$\left(\frac{188645}{460195} \right)^n =$ <u>.5125</u>	<u>165</u> MCF/D
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REMARKS:

New Well First Delivered 3-13-68

SUMMARY

Item h 249 Psia
P_c 723 Psia
Q 322 MCF/D
P_w 250 Psia
P_d 578 Psia
D 165 MCF/D

Company El Paso Natural Gas Company
By H. E. McAnally
Title Well Test Engineer
Witnessed By _____
Company _____


