

Initial
Deliverability Test

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FORM 119 68

Form C122-A
Revised 1-1-68

POOL NAME So. Blanco	POOL SLOPE R = .85	FORMATION PC	COUNTY SJ
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75715

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER Feasel No. 2		
UNIT LETTER B	SECTION 2	TOWNSHIP 27	RANGE 10	PURCHASING PIPELINE El Paso Natural Gas Company	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 2038	TUBING O.D. - INCHES NO TUBING	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
GAS PAY ZONE FROM 1914 TO 1960		WELL PRODUCING THRU CASING X TUBING		GAS GRAVITY .658	GRAVITY X LENGTH
DATE OF FLOW TEST FROM 1-16-68 TO 1-24-68			DATE SHUT-IN PRESSURE MEASURED 10-10-67		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 211	(b) Flowing Tubing Pressure (DWt) 211	(c) Flowing Meter Pressure (DWt) 427	(d) Flow Chart Static Reading 427	(e) Meter Error (Item c - Item d) 427	(f) Friction Loss (a-c) or (b-c) 342	(g) Average Meter Pressure (Integr.) 211
(h) Corrected Meter Pressure (g-e) 211	(i) Avg. Wellhead Press. $P_w = (h+f)$ 211	(j) Shut-in Casing Pressure (DWt) 427	(k) Shut-in Tubing Pressure (DWt) 427	(l) P_s = higher value of (j) or (k) 427	(m) Del. Pressure $P_d = \frac{80}{342} \% P_c$ 342	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 176	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume 176 Q = 176 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-x})$	$(F_c Q_m)^2 (1000)$	$R^2 = (1-e^{-x}) (F_c Q_m)^2 (1000)$	P_i^2	$P_w^2 = P_i^2 + R^2$	$P_w = \sqrt{P_w^2}$ USE P_t^2
FRICTION NEGLIGIBLE					

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_w^2}{P_c^2 - P_t^2} \right]^n =$ 176	$\left(\frac{65365}{137808} \right)^n =$.4743	$\left(\frac{211}{5305} \right)^n =$.5305	$\frac{104}{93} =$ 93 MCF/D
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REMARKS:

New Well First Delivered 12-27-67.

SUMMARY

Item h **211** Psia
P **427** Psia
Q **176** MCF/D
P_w **211** Psia
P_d **342** Psia
D **93** MCF/D

Company **El Paso Natural Gas Company**

Title

Witnessed By

Company



