

Intu-
Deliverability

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 1968

Form C122-A
Revised 1-1-68

POOL NAME Blanco	POOL SLOPE n = .85	FORMATION PC	COUNTY SJ
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75717

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER Day A No. 7		
UNIT LETTER P	SECTION 7	TOWNSHIP 29	RANGE 8	PURCHASING PIPELINE El Paso Natural Gas Company	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 3128	TUBING O.D. - INCHES NO TUBING	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
GAS PAY ZONE FROM 3002 TO 3030		WELL PRODUCING THRU CASING X TUBING		GAS GRAVITY .658	GRAVITY X LENGTH 1975
DATE OF FLOW TEST FROM 2-9-68 TO 2-17-68			DATE SHUT-IN PRESSURE MEASURED 9-27-67		

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.)
						263
(h) Corrected Meter Pressure (g+e)	(i) Avg. Wellhead Press. $P_f = (h+f)$	(j) Shut-in Casing Pressure (DWt)	(k) Shut-in Tubing Pressure (DWt)	(l) P_c = higher value of (j) or (k)	(m) Del. Pressure $P_d = \frac{80}{738} \% P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
263	263	922		922		

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 653	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 653 MCF/D
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5.551

WORKING PRESSURE CALCULATION

$(1-e^{-s})$.134	$(F_c Q_m)^2 (1000)$ 13141	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 1761	P_t^2 69169	$P_w^2 = P_t^2 + R^2$ 70930	$P_w = \sqrt{P_w^2}$ 266
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DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{653}{\left[\frac{305440}{779154} \right]^n} = \frac{653}{.3920^n} = \frac{4511}{.4515} = 295 \text{ MCF/D}$$

REMARKS:

New Well First Delivered 1-4-67.

SUMMARY

Item h **263** Psia
P_c **922** Psia
Q **653** MCF/D
P_w **266** Psia
P_d **738** Psia
D **295** MCF/D

Company **El Paso Natural Gas Company**
By **H. L. Kendrick**
Title **Regional Well Test Engineer**
Witnessed By
Company

