

Initial
deliverability 70

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 1969

Form C122-A
Revised 1-1-68

POOL NAME	POOL SLOPE	FORMATION	COUNTY
Blanco	n = .85	Pictured Cliffs	San Juan

87036

COMPANY			WELL NAME AND NUMBER		
El Paso Natural Gas Co.			Day No. 4		
UNIT LETTER	SECTION	TOWNSHIP	RANGE	PURCHASING PIPELINE	
C	18	29N	8W		
CASING O.D. - INCHES	CASING I.D. - INCHES	SET AT DEPTH - FEET	TUBING O.D. - INCHES	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
2.875	2.441	3079			
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY	GRAVITY X LENGTH
FROM 3017	TO 3040	CASING XX	TUBING		
DATE OF FLOW TEST			DATE SHUT-IN PRESSURE MEASURED		
FROM 9-23-69	TO 10-1-69	7-2-69			

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)	(f) Friction Loss (a-c) or (b-c)	(g) Average Meter Pressure (Integr.)
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(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 $P_d = \frac{80}{630} \% P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
248	248	788	---	788		

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
643	1.0000	1.0000	Q = 643 MCF/D

WORKING PRESSURE CALCULATION

$(1-e^{-5})$	$(F_c Q_m)^2 (1000)$	$R^2 = (1-e^{-5}) (F_c Q_m)^2 (1000)$	P_t^2	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
.128	12739	1601 1631	61504	63135	251

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 643 \left[\frac{224044}{557809} \right]^n = (.4017)^n = .4607^5 = \frac{296}{295} \text{ MCF/D}$$

REMARKS: New Well 1st Del. July 30, 1969.

SUMMARY

Item h	248	Psia
P _c	788	Psia
Q	643	MCF/D
P _w	251	Psia
P _d	630	Psia
D	296	MCF/D

Company El Paso Natural Gas Co.

By

Title

Witnessed By

Company

