

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 1967

Form C122-A
Revised 1-1-66

POOL NAME Blanco	POOL SLOPE n = .05	FORMATION Mesa Verde	COUNTY Rio Arriba
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71075

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER San Juan 28-6 Unit No. 40		
UNIT LETTER G	SECTION 4	TOWNSHIP 27	RANGE 6	PURCHASING PIPELINE El Paso Natural Gas Company	
CASING O.D. - INCHES 7.000	CASING I.D. - INCHES 6.366	SET AT DEPTH - FEET 4595	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5296
GAS PAY ZONE FROM 4624 TO 5330		WELL PRODUCING THRU CASING X TUBING		GAS GRAVITY .700	GRAVITY X LENGTH
DATE OF FLOW TEST FROM 12-4-67 TO 12-12-67			DATE SHUT-IN PRESSURE MEASURED 5-25-67		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 490	(b) Flowing Tubing Pressure (DWt) 490	(c) Flowing Meter Pressure (DWt) 749	(d) Flow Chart Static Reading 497	(e) Meter Error (Item c - Item d) 749	(f) Friction Loss (a - c) or (b - c) 599	(g) Average Meter Pressure (Integr.) 490
(h) Corrected Meter Pressure (g + e) 490	(i) Avg. Wellhead Press. $P_t = (h + f)$ 490	(j) Shut-in Casing Pressure (DWt) 749	(k) Shut-in Tubing Pressure (DWt) 497	(l) P_c = higher value of (j) or (k) 749	(m) Del. Pressure $P_d = \frac{80}{599} \% P_c$ 599	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 114	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 114 MCF/D
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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	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
		FRICITION NEGLIGIBLE			USE P_t

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 114$	$\left[\frac{202200}{320901} \right]^n = .6301$	$\left[\frac{202200}{320901} \right]^n = .7073$	$= 81$ MCF/D
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REMARKS:

Installed Intermittent 11-16-67.

SUMMARY

Item h	490	Psia
P_c	749	Psia
Q	114	MCF/D
P_w	490	Psia
P_d	599	Psia
D	81	MCF/D

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

