

Initial deliverability 1-

NEW MEXICO OIL CONSERVATION COMMISSION WELL DELIVERABILITY TEST REPORT FOR 19 69

Form C122-A
Revised 1-1-68

POOL NAME Blanco		POOL SLOPE n = .75	FORMATION MY	COUNTY	
COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER San Juan 30-6 Unit No. 63		
UNIT LETTER L	SECTION 15	TOWNSHIP 30	RANGE 7	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 5.500	CASING I.D. - INCHES 5.012	SET AT DEPTH - FEET 4750	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5628
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY .649	GRAVITY X LENGTH 3653
FROM 5005 TO 5650		CASING		TUBING XX	
DATE OF FLOW TEST			DATE SHUT-IN PRESSURE MEASURED 4-19-68		
FROM TO					

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) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 451 463
(h) Corrected Meter Pressure (g+e) 463	(i) Avg. Wellhead Press. $P_i = (h+f)$ 463	(j) Shut-in Casing Pressure (DWt) --	(k) Shut-in Tubing Pressure (DWt) 724	(l) P_s = higher value of (j) or (k) 724	(m) Del. Pressure $P_d = 80$ % 579	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 315	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 315 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.233	$(F_c Q_m)^2 (1000)$ 8771	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 2044	P_i^2 214369	$P_w^2 = P_i^2 + R^2$ 216413	$P_w = \sqrt{P_i^2 + R^2}$ 465
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DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 315 \left[\frac{188935}{307763} \right]^n = (0.6139)^n = 0.6935 = 218 \text{ MCF/D}$$

REMARKS: Installed intermitter turned back on production 7-15-69.

SUMMARY

Item h	463	Psia
P _c	724	Psia
Q	315	MCF/D
P _w	465	Psia
P _d	579	Psia
D	218	MCF/D
	.9451	

Company OK
By R.E. Stauffer
Title _____
By _____
Company _____



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