

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 MV	COUNTY Rio Arriba
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72-142

COMPANY El Paso Natural Gas Co.			WELL NAME AND NUMBER San Juan 29-7 Unit No. 59		
UNIT LETTER L	SECTION 27	TOWNSHIP 29	RANGE 7	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 5.500	CASING I.D. - INCHES 5.012	SET AT DEPTH - FEET 6009	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5934
GAS PAY ZONE FROM 5353 TO 5914		WELL PRODUCING THRU CASING XX TUBING		GAS GRAVITY .667	GRAVITY X LENGTH 3570
DATE OF FLOW TEST FROM 8-24-69 TO 9-1-69			DATE SHUT-IN PRESSURE MEASURED 5-27-69		

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) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 431 443
(h) Corrected Meter Pressure (g+e) 443 ✓	(i) Avg. Wellhead Press. $P_i = (h+f)$ 443 ✓	(j) Shut-in Casing Pressure (DWt) 583	(k) Shut-in Tubing Pressure (DWt) 583	(l) P_c = higher value of (j) or (k) 583 ✓	(m) Del. Pressure $P_d = \frac{80}{100} P_c$ 466 ✓	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 238	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 238 ✓ MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.229	$(F_c Q_m)^2 (1000)$ Friction Neg.	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 196249	P_i^2 196249	$P_w^2 = P_i^2 + R^2$ 196249	$P_w = \sqrt{P_w^2}$ 443 ✓
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	238 ✓	$\left(\frac{122733}{143640} \right)^n =$	.8544 ✓	$=$	.8887 ✓	$=$	212 ✓ MCF/D
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REMARKS:

Installed stopcock, turned back on production 8-7-69. Corrected copy.

SUMMARY

Item h **443** ✓ Psia
 P_c **583** ✓ Psia
 Q **238** ✓ MCF/D
 P_w **443** ✓ Psia
 P_d **466** ✓ Psia
 D **212** ✓ MCF/D

Company **El Paso Natural Gas Co.**
 By **H. E. McAnally**
 Title _____
 Witnessed By _____
 Company _____

