

Initial
Deliverability

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19 70

Form C122-A
Revised 1-1-68

POOL NAME Blanco	POOL SLOPE n = .75	FORMATION Mesa Verde	COUNTY Rio Arriba
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70-389

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER San Juan 30-6 Unit No. 69		
UNIT LETTER H	SECTION 14	TOWNSHIP 30	RANGE 7	PURCHASING PIPELINE El Paso Natural Gas Co.	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 5775	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5725
GAS PAY ZONE FROM 5064 TO 5720		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .622	GRAVITY X LENGTH 3561
DATE OF FLOW TEST FROM 9-17-70 TO 9-25-70			DATE SHUT-IN PRESSURE MEASURED 7-24-70		

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.) 391
(h) Corrected Meter Pressure (g+e) 391	(i) Avg. Wellhead Press. $P_i = (h+f)$ 391	(j) Shut-in Casing Pressure (DWt) 877	(k) Shut-in Tubing Pressure (DWt) 685	(l) $P_c =$ higher value of (j) or (k) 877	(m) Del. Pressure $P_d = \frac{80}{702} P_c$ 80	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 855	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 855 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$ 0.228	$(F_c Q_m)^2 (1000)$ 64621	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 14734	P_i^2 152881	$P_w^2 = P_i^2 + R^2$ 167615	$P_w = \sqrt{P_w^2}$ 409
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 855	$\left(\frac{276325}{601514} \right)^n =$ 0.4593	$=$ 0.5579	$=$ 477 MCF/D
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REMARKS: First delivered after OWWO on August 14, 1970.

SUMMARY

Item h **391** Psia
P_c **877** Psia
Q **855** MCF/D
P_w **409** Psia
P_d **702** Psia
D **477** MCF/D

Company **EL PASO NATURAL GAS COMPANY**

By **N. E. McAnulty**

Title

Witnessed By

Company

