

NATURAL GAS CONSERVATION CORPORATION

WELL DELIVERABILITY TEST REPORT FORM

Form C122-A
Revised 1-1-68

POOL NAME Blanco	POOL SLOPE n = .75	FORMATION Mesa Verde	COUNTY Rio Arriba
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COMPANY El Paso Natural Gas			WELL NAME AND NUMBER San Juan 28-5 Unit No. 52		
UNIT LETTER G	SECTION 33	TOWNSHIP 28	RANGE 5	PURCHASING PIPELINE El Paso Natural Gas	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 5806	TUBING O.D. - INCHES 1.660	TUBING I.D. - INCHES 1.380	TOP - TUBING PERF. - FEET 5746
GAS PAY ZONE FROM 5224 TO 5734		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .688	GRAVITY X LENGTH 3953
DATE OF FLOW TEST FROM 1-8-69 TO 1-16-69			DATE SHUT-IN PRESSURE MEASURED 5-20-68		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 470	(b) Flowing Tubing Pressure (DWt) 470	(c) Flowing Meter Pressure (DWt) 912	(d) Flow Chart Static Reading 912	(e) Meter Error (Item c - Item d) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 470
(h) Corrected Meter Pressure (g + e) 470	(i) Avg. Wellhead Press. $P_w = (h + f)$ 470	(j) Shut-in Casing Pressure (DWt) 912	(k) Shut-in Tubing Pressure (DWt) 912	(l) P_c - higher value of (j) or (k) 912	(m) Del. Pressure $P_d = P_c - \frac{80}{730} \times P_c$ 730	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 522	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 522 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-9})$.250	$(F_c Q_h)^2 (1000)$ 165174	$(1 - e^{-9}) (F_c Q_h)^2 (1000)$ 41294	P_i^2 220900	$P_w^2 = P_i^2 + R^2$ 262194	$P_w = \sqrt{P_w^2}$ 512
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 522	23880 56550 37957	316	322 MCF/D
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REMARKS:

Installed 1 1/4" tubing 12-16-68

SUMMARY

Item h **470** Psia
 P_c **912** Psia
 Q **522** MCF/D
 P_w **512** Psia
 P_d **730** Psia
 D **322** MCF/D

Company **EL PASO GAS COMPANY**
 Title **H. L. Kendrick**
 Witnessed By _____
 Company _____