

Initial
Deliverability

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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71-488

COMPANY El Paso Natural Gas Co.			WELL NAME AND NUMBER San Juan 30-6 Unit No. 9		
UNIT LETTER G	SECTION 30	TOWNSHIP 3D	RANGE 7	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 5.500	CASING I.D. - INCHES 5.012	SET AT DEPTH - FEET 5457	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5400
GAS PAY ZONE FROM 5308 TO 5404		WELL PRODUCING THRU CASING XX TUBING		GAS GRAVITY .672	GRAVITY X LENGTH 3567
DATE OF FLOW TEST FROM 8-25-69 TO 9-2-69			DATE SHUT-IN PRESSURE MEASURED 5-28-69		

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.) 456
(h) Corrected Meter Pressure (g+e) 456	(i) Avg. Wellhead Press. $P_i = (h+f)$ 456	(j) Shut-in Casing Pressure (DWt) 536	(k) Shut-in Tubing Pressure (DWt) 474	(l) P_c = higher value of (i) or (k) 536	(m) Del. Pressure $P_d = \frac{80}{429} \% P_c$ 429	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 368	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume 368 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.228	$(F_c Q_m)^2 (1000)$ Friction Neg.	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ use P_t^2	P_t^2	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$ 456
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 368	$\left[\frac{103255}{79360} \right]^n =$ 1.3010	$\frac{1.2182}{1.7182} =$ 448 MCF/D
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REMARKS:

Install 2" motor valve, turned back on production 8-1-69 Corrected copy

SUMMARY

Item h **456** Psia
 P_c **536** Psia
 Q **368** MCF/D
 P_w **456** Psia
 P_d **429** Psia
 D **448** MCF/D

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



