

Initial
Deliverability

NEW MEXICO OIL CONSERVATION COMMISSION

WELL DELIVERABILITY TEST REPORT FOR 1971

Form C122-A
Revised 1-1-68

POOL NAME Blanco	POOL SLOPE n = .75	FORMATION KV	COUNTY Rio Arriba
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COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER San Juan 30-6 Unit No. 96		
UNIT LETTER B	SECTION 26	TOWNSHIP 30	RANGE 7	PURCHASING PIPELINE El Paso Natural Gas Company	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 5809	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5735
GAS PAY ZONE FROM 5065 TO 5745		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .661	GRAVITY X LENGTH 3791
DATE OF FLOW TEST FROM 9-20-71 TO 9-28-71			DATE SHUT-IN PRESSURE MEASURED 8-13-71		

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.) 404
(h) Corrected Meter Pressure (g+e) 404	(i) Avg. Wellhead Press. $P_1 = (h+f)$ 404	(j) Shut-in Casing Pressure (DWt) 794	(k) Shut-in Tubing Pressure (DWt) 604	(l) P_c = higher value of (j) or (k) 794	(m) Del. Pressure $P_d = 80\% P_c$ 635	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 940	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 940 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$ 0.241	$(F_c Q_m)^2 (1000)$ 78108	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 18824	P_t^2 163216	$P_w^2 = P_t^2 + R^2$ 182040	$P_w = \sqrt{P_w^2}$ 427
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	940	$\left[\frac{227211}{448396} \right]^n =$	0.5067	$=$	0.6006	$=$	565 MCF/D
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REMARKS:
OWWO Re 1st Del 9-2-71

SUMMARY

Item h	404	Psia
P_c	794	Psia
Q	940	MCF/D
P_w	427	Psia
P_d	635	Psia
D	565	MCF/D

Company **EL PASO NATURAL GAS COMPANY**

By **H. E. McAnally**

Title _____

Witnessed By _____

Company _____

