

Initial
Deliverability 7-

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 MV	COUNTY RA
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70212

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER San Juan 29-7 Unit No. 88		
UNIT LETTER N	SECTION 6-	TOWNSHIP 29	RANGE 7	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 5541	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5432
GAS PAY ZONE FROM 4824 TO 5454		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .687	GRAVITY X LENGTH 3732
DATE OF FLOW TEST FROM 10-6-70 TO 10-14-70			DATE SHUT-IN PRESSURE MEASURED 9-2-70		

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.) 469
(h) Corrected Meter Pressure (g+e) 469	(i) Avg. Wellhead Press. $P_i = (h+f)$ 469	(j) Shut-in Casing Pressure (DWt) 890	(k) Shut-in Tubing Pressure (DWt) 685	(l) P_c = higher value of (i) or (k) 890	(m) Del. Pressure $P_d = \frac{80}{712} \% P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 1246	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume $Q = 1246$ MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.238	$(F_c Q_m)^2 (1000)$ 137239	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 32663	P_i^2 219961	$P_w^2 = P_i^2 + R^2$ 252624	$P_w = \sqrt{P_i^2}$ 503
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 1246$	$\left[\frac{285156}{539476} \right]^n = .5285$	$.6199$	$= 772$ MCF/D
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REMARKS:

OWWO, 1st del., Sept. 14, 1970

SUMMARY

Item h 469 Psia
P_c 890 Psia
Q 1246 MCF/D
P_w 503 Psia
P_d 712 Psia
D 772 MCF/D

Company EL PASO NATURAL GAS COMPANY

By H. E. McNally

Title

Witnessed By

Company

