

Int.
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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86-010

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER San Juan 28-6 Unit No. 1		
UNIT LETTER G	SECTION 17	TOWNSHIP 28	RANGE 6	PURCHASING PIPELINE El Paso Natural Gas Co.	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 6048	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5976
GAS PAY ZONE FROM 5384 TO 5970		WELL PRODUCING THRU CASING XX TUBING		GAS GRAVITY .674"	GRAVITY X LENGTH 4028
DATE OF FLOW TEST FROM 9-21-70 TO 9-29-70			DATE SHUT-IN PRESSURE MEASURED 8-10-70		

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.) 477
(h) Corrected Meter Pressure (g+e) 477	(i) Avg. Wellhead Press. $P_i = (h+f)$ 477	(j) Shut-in Casing Pressure (DWt) 752	(k) Shut-in Tubing Pressure (DWt) ---	(l) P_c = higher value of (i) or (k) 752	(m) Del. Pressure $P_d = \frac{80}{602} P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 738	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 738 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.254	$(F_c Q_m)^2 (1000)$ 48145	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 12229	P_i^2 227529	$P_w^2 = P_i^2 + R^2$ 239758	$P_w = \sqrt{P_w^2}$ 490
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n$	738	$\left[\frac{203100}{325746} \right]^n$	0.6234^n	0.7016	$= 518$ MCF/D
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REMARKS: First delivered after OWWO on August 26, 1970

SUMMARY

Item h 477 Psia
P_c 752 Psia
Q 738 MCF/D
P_w 490 Psia
P_d 602 Psia
D 518 MCF/D

Company EL PASO NATURAL GAS COMPANY
By *A. E. [Signature]*
Title
Witnessed By
Company



