

POOL NAME Blanco	POOL SLOPE n = .75	FORMATION MV	COUNTY RA
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COMPANY El Paso Natural Gas Co.			WELL NAME AND NUMBER San Juan 30-6 Unit No. 72		
UNIT LETTER B	SECTION 22	TOWNSHIP 30	RANGE 7	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 5820	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5762
GAS PAY ZONE FROM 5018 TO 5779		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .663	GRAVITY X LENGTH 3820
DATE OF FLOW TEST FROM 11-12-70 TO 11-20-70			DATE SHUT-IN PRESSURE MEASURED 9-30-70		

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)	(f) Friction Loss (a-c) or (b-c)	(g) Average Meter Pressure (Integr.)
-	-	-	-	0	0	456
(h) Corrected Meter Pressure (g+e)	(i) Avg. Wellhead Press. $P_t = (h + f)$	(j) Shut-in Casing Pressure (DWt)	(k) Shut-in Tubing Pressure (DWt)	(l) P_c = higher value of (i) or (k)	(m) Del. Pressure $P_d = \frac{80}{\% P_c}$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
456	456	721	724	724	579	

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D	Quotient of $\frac{\text{Item c}}{\text{Item d}}$	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume
755	1.0000	1.0000	Q = 755 MCF/D

WORKING PRESSURE CALCULATION

$(1-e^{-s})$	$(F_c Q_m)^2 (1000)$	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$	P_t^2	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
.243	50389	12244	207936	220180	469

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	755	$\left(\frac{188935}{304215} \right)^n =$	$.6210^n =$	$.6995^n =$	528 MCF/D
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REMARKS:

OWWO, 10-21-70

SUMMARY

Item h 456 Psia
 P_c 724 Psia
 Q 755 MCF/D
 P_w 469 Psia
 P_d 579 Psia
 D 528 MCF/D

Company EL PASO NATURAL GAS CO
 By *H. E. M. Smith*
 Title
 Witnessed By
 Company

