

POOL NAME	POOL SLOPE	FORMATION	COUNTY
Blanco	n = .75	MV	

86401

COMPANY			WELL NAME AND NUMBER		
El Paso Natural Gas Co.			San Juan 29-5 Unit No. 47		
UNIT LETTER	SECTION	TOWNSHIP	RANGE	PURCHASING PIPELINE	
L	4	29	5	EPNG	
CASING O.D. - INCHES	CASING I.D. - INCHES	SET AT DEPTH - FEET	TUBING O.D. - INCHES	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
2.875	2.441	5766	1.660	1.380	5591
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY	GRAVITY X LENGTH
FROM 5300	TO 5688	CASING	TUBING XX	.620	3466
DATE OF FLOW TEST			DATE SHUT-IN PRESSURE MEASURED		
FROM 10-2-70	TO 10-10-70	5-26-70			

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	483
(h) Corrected Meter Pressure (g+e)	(i) Avg. Wellhead Press. P _i = (h+f)	(j) Shut-in Casing Pressure (DWt)	(k) Shut-in Tubing Pressure (DWt)	(l) P _c = higher value of (j) or (k)	(m) Del. Pressure P _d = <u>80</u> % P _i	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
483	483	849	-	849	679	

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
380	1.0000	1.0000	Q = 380 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_i^2	$P_w^2 = P_i^2 + R^2$	$P_w = \sqrt{P_w^2}$
.223	87527	19519	233289	252808	503

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	$\left(\frac{259760}{467993} \right)^n =$	$\left(.5550 \right)^n =$	$.6430$	$=$	244 MCF/D
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REMARKS:

Ran tubing 9-2-70.

SUMMARY

Item h	483	Psia
P _c	849	Psia
Q	380	MCF/D
P _w	503	Psia
P _d	679	Psia
D	244	MCF/D

Company

By

Title

Witnessed By

EL PASO NATURAL GAS COMPANY

W. E. McManis

RECEIVED

OCT 28 1970

OIL CON. COM. DIST. 3