

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 66

Form C122-A
 Revised 1-1-66

POOL NAME So. Blanco	POOL SLOPE n= 85	FORMATION Pictured Cliff	COUNTY San Juan
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COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER 75414 Florance C No. 11		
UNIT LETTER P	SECTION 30	TOWNSHIP 28	RANGE 8	PURCHASING PIPELINE El Paso Natural Gas Company	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 2427	TUBING O.D. - INCHES NONE	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
GAS PAY ZONE FROM 2338 TO 2872		WELL PRODUCING THRU CASING X TUBING		GAS GRAVITY .664	GRAVITY X LENGTH 1552 ✓
DATE OF FLOW TEST FROM 9/4/66 TO 9/12/66			DATE SHUT-IN PRESSURE MEASURED 6/30/66		

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.) 228
(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 (j) or (k)	(m) Del. Pressure $P_d = \frac{80}{619} \% P_c$ ✓	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
228	228	774	000	774		

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 512	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.000	Corrected Volume Q = 512 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.107 ✓	$(F_c Q_m)^2 (1000)$ 8077 ✓	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 864 ✓	P_t^2 51984 ✓	$P_w^2 = P_t^2 + R^2$ 52848 ✓	$P_w = \sqrt{P_w^2}$ 230 ✓
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 512	$\left[\frac{215915}{546228} \right]^n =$.3952	$\left[\frac{215915}{546228} \right]^n =$.4544	$=$ 233 MCF/D
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REMARKS:

New Well First Delivered 8-19-66.

SUMMARY

Item h	228	Psia
P_c	774	Psia
Q	512	MCF/D
P_w	230	Psia
P_d	619	Psia
D	233	MCF/D

Company **EL PASO NATURAL GAS COMPANY**
 By **H. L. Kendrick**
 Title **Regional Well Test Engineer**
 Witnessed By _____
 Company _____

