

NEW MEXICO OIL CONSERVATION COMMISSION

WELL DELIVERABILITY TEST REPORT FOR 19 70

Form C122-A
Revised 1-1-58

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

70-986

COMPANY El Paso Natural Gas Co.			WELL NAME AND NUMBER San Juan 32-9 Unit No. 34		
UNIT LETTER K	SECTION 35	TOWNSHIP 32	RANGE 10	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 5579	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5509
GAS PAY ZONE FROM 4848 TO 5512		WELL PRODUCING THRU CASING _____ TUBING XX		GAS GRAVITY .664	GRAVITY X LENGTH 3658
DATE OF FLOW TEST FROM 5-25-70 TO 6-2-70			DATE SHUT-IN PRESSURE MEASURED 4-22-70		

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	385
(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 = $\frac{80}{\%P_c}$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
385	385	747	557	747	598	

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
763	1.0000	1.0000	Q = 763 MCF/D

WORKING PRESSURE CALCULATION

$(1-e^{-s})$.234	$(F_c Q_m)^2 (1000)$ 51462	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 12042	P_i^2 148225	$P_w^2 = P_i^2 + R^2$ 160267	$P_w = \sqrt{P_w^2}$ 400
----------------------	-------------------------------	--	-------------------	---------------------------------	-----------------------------

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 763 \left[\frac{200405}{397742} \right]^n = (.5038)^n = .5980 = 456 \text{ MCF/D}$$

REMARKS:

OWWO, April 29, 1970.

SUMMARY

Item h	385	Psia
P _c	747	Psia
Q	763	MCF/D
P _w	400	Psia
P _d	598	Psia
D	456	MCF/D

Company **EL PASO NATURAL GAS COMPANY**

By **H. E. M. C. C. C.**

Title _____

Witnessed By _____

Company _____

