

NEW MEXICO OIL CONSERVATION COMMISSION

WELL DELIVERABILITY TEST REPORT FOR 19 69

Form C122-A
Revised 1-1-68

POOL NAME Blanco		POOL SLOPE n = .75	FORMATION IV	COUNTY	
COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER 70-375 San Juan 30-6 Unit No. 72		
UNIT LETTER B	SECTION 22	TOWNSHIP 30	RANGE 7	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 7.625	CASING I.D. - INCHES 26.54	SET AT DEPTH - FEET 1060	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5610
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY .664	GRAVITY X LENGTH 3725
FROM 5013 TO 5610		CASING		TUBING	
DATE OF FLOW TEST FROM 8-5-69 TO 8-13-69		DATE SHUT-IN PRESSURE MEASURED 4-19-68			

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.) 464
(h) Corrected Meter Pressure (g+e) 476	(i) Avg. Wellhead Press. $P_t = (h+f)$ 476	(j) Shut-in Casing Pressure (DWt) --	(k) Shut-in Tubing Pressure (DWt) 686	(l) $P =$ higher value of (j) or (k) 686	(m) Del. Pressure $P_d = \frac{80}{549} \% P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 405	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 405 MCF/D
---	--	---	--

WORKING PRESSURE CALCULATION

$(1-e^{-x})$.237	$(F_c Q_m)^2 (1000)$ 14499	$R^2 = (1-e^{-x}) (F_c Q_m)^2 (1000)$ 3436	P_t^2 226576	$P_w^2 = P_t^2 + R^2$ 230012	$P_w = \sqrt{P_w^2}$ 480
-----------------------------	--------------------------------------	--	--------------------------	--	------------------------------------

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{405}{\left(\frac{169195}{240584} \right)^n} = \frac{405}{(0.7052)^n} = \frac{405}{0.7679} = 311 \text{ MCF/D}$$

REMARKS:

Installed A/Cyl. intermitter turned back on production 7-15-69.

SUMMARY

Item h	476	Psia
P _c	686	Psia
Q	405	MCF/D
P _w	480	Psia
P _d	549	Psia
D	311	MCF/D
	.9803	

Company **El Paso Natural Gas Company**
By **R E Stauffer**
Title _____
Witnessed By _____
Company _____



