

NEW MEXICO OIL CONSERVATION COMMISSION

WELL DELIVERABILITY TEST REPORT FOR 19 71

Form CI22-A
Revised 1-1-68

WELL NAME Blanco	WELL DEPTH 275	FORMATION KV	COUNTY RA
----------------------------	--------------------------	------------------------	---------------------

70-505

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER San Juan 30-6 Unit No. 89		
UNIT LETTER H	SECTION 36	TOWNSHIP 30	RANGE 6	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 6379	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP TUBING PERF. FEET 6230
GAS PAY ZONE FROM 5632 TO 6224			WELL PRODUCING THROUGH TUBING XX		GAS GRAVITY .635
DATE OF FLOW TEST FROM 8-10-71 TO 8-18-71			DATE SHUT-IN PRESSURE MEASURED 6-21-71		

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 (c-c) or (b-c)	(g) Average Meter Pressure (Integr.)
---	---	---	---	0	0	417
(h) Corrected Meter Pressure (g+e)	(i) Avg. Wellhead Press. $P_1 = (b+c)/2$	(j) Shut-in Casing Pressure (DWt)	(k) Shut-in Tubing Pressure (DWt)	(l) P_c = higher value of (j) or (k)	(m) Del. Pressure $P_d = 80\% P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
417	417	789	454	789	631	

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
1206	1.0000	1.0000	Q = 1206 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_1^2	$P_w^2 = P_1^2 + R^2$	$P_w = \sqrt{P_w^2}$
.250	128569	32142	173889	206031	454

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{1206}{\left[\frac{224360}{416490} \right]^n} = \frac{1206}{(.5387)^n} = \frac{1206}{.6288} = 758 \text{ MCF/D}$$

REMARKS:

OWWO, re-1st del. 7-20-71

SUMMARY

Item h	417	Psia
P_c	789	Psia
Q	1206	MCF/D
P_w	454	Psia
P_d	631	Psia
D	758	MCF/D

Company **EL PASO NATURAL GAS COMPANY**

By **J. E. McManally**

Title _____

Witnessed By _____

Company _____

