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

Form C122-A
Revised 1-1-66

POOL NAME	POOL SLOPE	FORMATION	COUNTY
Undesignated	n= 75	Chacra	Rio Arriba

75437

COMPANY			WELL NAME AND NUMBER		
EL PASO NATURAL GAS COMPANY			Canyon Largo Unit No. 138		
UNIT LETTER	SECTION	TOWNSHIP	RANGE	PURCHASING PIPELINE	
J	4	25	6	EL PASO NATURAL GAS COMPANY	
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		3470	NONE		
GAS PAY ZONE FROM 3210	TO 3323	WELL PRODUCING THRU CASING	TUBING X	GAS GRAVITY .737	GRAVITY X LENGTH 2366
DATE OF FLOW TEST FROM 11-06-66	TO 11-14-66		DATE SHUT-IN PRESSURE MEASURED 8-2-66		

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.)
						211
(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 = 80 % P_c**	**(n) Separator or De-hydrator Pr. (DWt) for critical flow only**
211	211	930		930	744	

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
962	1.0000	1.0000	Q = 962 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_t^2	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
.158	28516	4506	44521	49027	221

DELIVERABILITY CALCULATION

$$D = Q\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right]^n = 962 \left[\left(\frac{311364}{815873}\right)^n = .3816 \quad (\quad)^n = .4857\right] = 467 \text{ MCF/D}$$

REMARKS:

New well first delivered 10-5-66.

SUMMARY

Item h	211	Psia
P_c	930	Psia
Q	962	MCF/D
P_w	221	Psia
P_d	744	Psia
D	467	MCF/D

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

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OIL CON. COM.
DIST. 3