NEW MEXICO OIL CONSERVATION COMMISSION

WELL DELIVERABILITY TEST REPORT FOR 19 70

Form C122-A
Revised 1-1-65

POOL NAME	POOL SLOPE	FORMATION	COUNTY
Otero	n = .75	Chacra	RA

87-105

COMPANY			WELL NAME AND NUMBER		
El Paso Natural Gas			Canyon Largo Unit No. 147		
UNIT LETTER	SECTION	TOWNSHIP	RANGE	PURCHASING PIPELINE	
E	2	25	6	EPNG	
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	2.441	3869	None		
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY	GRAVITY X LENGTH
FROM 3714	TO 3796	CASING XX	TUBING	.651	2418
DATE OF FLOW TEST			DATE SHUT-IN PRESSURE MEASURED		
FROM 1-7-70	TO 1-15-70		11-3-69		

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	217
(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**	**(n) Separator or Dehydrater Pr. (DWt) for critical flow only**
217	217	939	-	939	P_d= 80 = .85 P_c = 751	

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
423	1.0000	1.0000	Q = 423 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	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
.161	5513	888	47089	47977	219

DELIVERABILITY CALCULATION

$$D = Q\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right]^n = 423 \left[\left(\frac{317720}{833744}\right)^n = (.3810)^n = .4849\right] = 205 \text{ MCF D}$$

REMARKS:

New Well 1st del. 12-1-69

SUMMARY

Item h	217	Psia
P_c	939	Psia
Q	423	MCF/D
P_w	219	Psia
P_d	751	Psia
D	205	MCF/D

Company El Paso Natural Gas Co.
By H. L. McNally
Title
Witnessed By
Company