Deliver.

NEW MEXICO OIL CONSERVATION COMMISSION

WELL DELIVERABILITY TEST REPORT FOR 1968

Form C122-A
Revised 1-1-65

POOL NAME	POOL SLOPE	FORMATION	COUNTY
Aztec	n = .85	Pictured Cliff	San Juan

75-807

COMPANY			WELL NAME AND NUMBER		
El Paso Natural Gas Company			Florance C No. 12		
UNIT LETTER	SECTION	TOWNSHIP	RANGE	PURCHASING PIPELINE	
E	19	28	8	El Paso Natural Gas Co.	
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	2199	No Tubing		
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY	GRAVITY x LENGTH
FROM 2094 TO 2135		CASING X	TUBING	.658	1378
DATE OF FLOW TEST			DATE SHUT-IN PRESSURE MEASURED		
FROM 8-31-68 TO 9-8-68			6-13-68		

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)	(f) Friction Loss (a–c) or (b–c)	(g) Average Meter Pressure (Integr.)
				0	0	240
(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 Dehydrator Pc. (DWt) for critical flow only**
240	240	716	---	716	80 P_d = ___ %P_c 573	

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
307	1.0000	1.0000	Q = 307 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	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
.095	2904	276	57600	57876	241

DELIVERABILITY CALCULATION

$$D = Q\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right]^n = 307 \left(\frac{184327}{454780}\right)^n = (.4053)^n = .4636 = 142 \text{ MCF/D}$$

REMARKS:

New Well - First Delivered 8-2-68

OIC

SUMMARY

Item h	240	Psia
P_c	716	Psia
Q	307	MCF/D
P_w	241	Psia
P_d	573	Psia
D	142	MCF/D

Company EL PASO NATURAL GAS COMPANY

By H. L. Kendrick

Title

Witnessed By

Company

RECEIVED
OCT 9 1968
OIL CON. COM.
DIST. 3