

NEW MEXICO OIL CONSERVATION COMMISSION

WELL DELIVERABILITY TEST REPORT FOR 19 69

Form CTR-A
Revised 1-1-68

POOL NAME Aztec	POOL SLOPE 1.85	FORMATION Pictured Cliffs	COUNTY San Juan
---------------------------	---------------------------	-------------------------------------	---------------------------

87-005

COMPANY El Paso Natural Gas			WELL NAME AND NUMBER Florance "C" No. 14		
UNIT LETTER 0	SECTION 19	TOWNSHIP 28	RANGE 8	PURCHASING PIPELINE El Paso Natural Gas	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 2295	TUBING O.D. - INCHES No tubing	TUBING I.D. - INCHES	TOP - TUBING FEET - FEET
GAS PAY ZONE FROM 2190 TO 2233		WELL PRODUCING THRU CASING XX TUBING		GAS GRAVITY .658	GRAVITY X LENGTH 1441
DATE OF FLOW TEST FROM 7-17-69 TO 7-25-69			DATE SHUT-IN PRESSURE MEASURED 4-30-69		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 177	(b) Flowing Tubing Pressure (DWt) 177	(c) Flowing Meter Pressure (DWt) 835	(d) Flow Chart Static Reading -	(e) Meter Error (Item c - Item d) 835	(f) Friction Loss (a-c) or (b-c) 668	(g) Average Meter Pressure (Integr.) 177
(h) Corrected Meter Pressure (g-e) 177	(i) Avg. Wellhead Press. $P_w = (b+f)$ 177	(j) Shut-in Casing Pressure (DWt) 835	(k) Shut-in Tubing Pressure (DWt) -	(l) P_m - higher value of (j) or (k) 835	(m) Del. Pressure $P_d = \frac{80}{668} P_c$ 80	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 200	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume 200 MCF/D
---	--	---	--------------------------------------

WORKING PRESSURE CALCULATION

$(1-e^{-x})$	$(F_c Q_m)^2 (1000)$ Friction Neg.	$R^2 = (1-e^{-x}) (F_c Q_m)^2 (1000)$	P_i^2	$P_w^2 = P_i^2 + R^2$ Use P_i^2	$P_w = \sqrt{P_w^2}$ 177
--------------	---------------------------------------	---------------------------------------	---------	--------------------------------------	------------------------------------

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n$	200	$\left(\frac{251001}{665896} \right)^n$	$(0.3769)^n$	0.4353	87 MCF/D
--	------------	--	--------------	---------------	-----------------

REMARKS: **New well 1st. del. June 13, 1969**

SUMMARY

Item h	177	Psia
P_c	835	Psia
Q	200	MCF/D
P_w	177	Psia
P_d	668	Psia
D	87	MCF/D

Company **EL PASO NATURAL GAS COMPANY**
 By **H. E. McAnall**
 Title **Well Test Engineer**
 Witnessed By _____
 Company _____

