

Deliverable

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19 70

Form C122-A
Revised 1-1-68

POOL NAME Otero	POOL SLOPE n = .75	FORMATION CH	COUNTY RA
--------------------	-----------------------	-----------------	--------------

87-111

COMPANY El Paso Natural Gas			WELL NAME AND NUMBER Klein No. 12		
UNIT LETTER K	SECTION 34	TOWNSHIP 26	RANGE 6	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 3911	TUBING O.D. - INCHES no tubing	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
GAS PAY ZONE FROM 3780 TO 3880		WELL PRODUCING THRU CASING XX TUBING		GAS GRAVITY .656	GRAVITY X LENGTH 2480
DATE OF FLOW TEST FROM 1-31-70 TO 2-8-70			DATE SHUT-IN PRESSURE MEASURED 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) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 185
(h) Corrected Meter Pressure (g+e) 185	(i) Avg. Wellhead Press. $P_t = (h+f)$ 185	(j) Shut-in Casing Pressure (DWt) 886	(k) Shut-in Tubing Pressure (DWt) -	(l) $P =$ higher value of (j) or (k) 886	(m) Del. Pressure $P_d = 80\% P_c$ 709	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 329	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 329 MCF/D
----------------------------------	---	--	-----------------------------------

WORKING PRESSURE CALCULATION

$(1-e^{-s})$.165	$(F_c Q_m)^2 (1000)$ 3335	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 550	P_t^2 34225	$P_w^2 = P_t^2 + R^2$ 34775	$P_w = \sqrt{P_w^2}$ 186
----------------------	------------------------------	--	------------------	--------------------------------	-----------------------------

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	329	$\left[\frac{282315}{750221} \right]^n =$	$.3763^n =$	$.4805$	$= 158 \text{ MCF/D}$
--	-----	--	-------------	---------	-----------------------

REMARKS:

New Well 1st del. 12-5-69.

SUMMARY

Item h 185 Psia
P_c 886 Psia
Q_c 329 MCF/D
P_w 186 Psia
P_d 709 Psia
D 158 MCF/D

Company El Paso Natural Gas Co.

By

Title

Witnessed By

Company

