

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 1970

Form C122-A
 Revised 1-1-68

POOL NAME Basin	POOL SLOPE n = .75	FORMATION DK	COUNTY SJ
--------------------	-----------------------	-----------------	--------------

87-150

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER Huerfano Unit No. 203		
UNIT LETTER J	SECTION 1	TOWNSHIP 26	RANGE 10	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 7032	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 6924
GAS PAY ZONE FROM 6754 TO 6928		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .678	GRAVITY X LENGTH 4694
DATE OF FLOW TEST FROM 6-1-70 TO 6-9-70			DATE SHUT-IN PRESSURE MEASURED 4-20-70		

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.) 320
(h) Corrected Meter Pressure (g+e) 320	(i) Avg. Wellhead Press. $P_1 = (h+f)$ 320	(j) Shut-in Casing Pressure (DWt) 1920	(k) Shut-in Tubing Pressure (DWt) 1463	(l) $P_c =$ higher value of (j) or (k) 1920	(m) Del. Pressure $P_d = 50\% P_c$ 960	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 322	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 322 MCF/D
----------------------------------	---	--	-----------------------------------

WORKING PRESSURE CALCULATION

$(1-e^{-s})$.289	$(F_c Q_m)^2 (1000)$ 9165	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 2649	P_t^2 102400	$P_w^2 = P_t^2 + R^2$ 105049	$P_w = \sqrt{P_w^2}$ 324
----------------------	------------------------------	---	-------------------	---------------------------------	-----------------------------

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	$\left[\frac{2764800}{3581351} \right]^n =$	$\left[.7720 \right]^n =$	$.8235 =$	265 MCF/D
--	--	----------------------------	-----------	---------------------

REMARKS:

New Well, May 7, 1970.

SUMMARY

Item h 320 Psia
 P_c 1920 Psia
 Q 322 MCF/D
 P_w 324 Psia
 P_d 960 Psia
 D 265 MCF/D

Company EL PASO NATURAL GAS COMPANY
 By *A. E. McAnally*
 Title _____
 Witnessed By _____
 Company _____



