

POOL NAME Easin		POOL SLOPE n = .75	FORMATION DK	COUNTY SJ	
87-149					
COMPANY El Paso Natural Gas Co.			WELL NAME AND NUMBER Huerfano Unit No. 122		
UNIT LETTER P	SECTION 10	TOWNSHIP 26	RANGE 10	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 6967	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 6874
GAS PAY ZONE FROM 6720 TO 6868		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .709	GRAVITY X LENGTH 4874
DATE OF FLOW TEST FROM 6-1-70 TO 6-9-70			DATE SHUT-IN PRESSURE MEASURED 4-7-70		

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.) 317
(h) Corrected Meter Pressure (g+e) 317	(i) Avg. Wellhead Press. P _i = (h+f) 317	(j) Shut-in Casing Pressure (DWt) 1925	(k) Shut-in Tubing Pressure (DWt) 1942	(l) P _c = higher value of (j) or (k) 1942	(m) Del. Pressure P _d = 50 % P _i 971	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 730	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 730 MCF/D
----------------------------------	---	--	-----------------------------------

WORKING PRESSURE CALCULATION

$(1-e^{-s})$.298	$(F_c Q_m)^2 (1000)^{1/2}$ 47107	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 14038	P_i^2 100489	$P_w^2 = P_i^2 + R^2$ 114527	$P_w = \sqrt{P_w^2}$ 338
----------------------	-------------------------------------	--	-------------------	---------------------------------	-----------------------------

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	730	$\left[\frac{2828523}{3656837} \right]^n =$	$.7734^n =$	$.8247$	$= 602 \text{ MCF/D}$
--	-----	--	-------------	---------	-----------------------

REMARKS: New Well, 1st del. May 5, 1970

SUMMARY

Item h	317	Psia
P _c	1942	Psia
Q	730	MCF/D
P _w	338	Psia
P _d	971	Psia
D	602	MCF/D

Company

By

Title

Witnessed By

Company

El Paso Natural Gas Co.

A. E. McAnally

