

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

Form C122-A
 Revised 1-1-68

POOL NAME Basin	POOL SLOPE n = .75	FORMATION DK	COUNTY SJ
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87-140

COMPANY El Paso Natural Gas Co.			WELL NAME AND NUMBER Huerfano Unit No. 202		
UNIT LETTER F	SECTION 28	TOWNSHIP 26	RANGE 10	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 6671	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 6535
GAS PAY ZONE FROM 6483 TO 6514		WELL PRODUCING TIME TUBING XX		GAS GRAVITY .678	GRAVITY X LENGTH 4431 ✓
DATE OF FLOW TEST FROM 4-21-70 TO 4-29-70			DATE SHUT-IN PRESSURE MEASURED 3-2-70		

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.) 383
(h) Corrected Meter Pressure (g+e) 383 ✓	(i) Avg. Wellhead Press. $P_f = (h+f)$ 383 ✓	(j) Shut-in Casing Pressure (DWt) 1697	(k) Shut-in Tubing Pressure (DWt) 362	(l) $P_s =$ higher value of (j) or (k) 1697 ✓	(m) Del. Pressure $P_d = \frac{50}{849} P_c$ 849 ✓	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 1148	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume $Q =$ 1148 ✓ MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.275 ✓	$(F_c Q_m)^2 (1000)$ 116499 ✓	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 32037 ✓	P_1^2 146689 ✓	$P_w^2 = P_1^2 + R^2$ 178726 ✓	$P_w = \sqrt{P_w^2}$ 423 ✓
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 1148	$\left[\frac{2159003}{2701063} \right]^n =$.7993	$=$.8453	$=$ 970 ✓ MCF/D
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REMARKS:

New Well 1st del. 3-31-70.

SUMMARY

Item h **383** Psia
 P_c **1697** Psia
 Q **1148** MCF/D
 P_w **423** Psia
 P_d **849** Psia
 D **970** MCF/D

Company **El Paso Natural Gas Co.**
 By **H. L. Kendrick**
 Title **by BLM**
 Witnessed By _____
 Company _____

