

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19

Form C122-A
 Revised 1-1-68

POOL NAME Basin	POOL SLOPE n = .75	FORMATION DK	COUNTY SJ
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75628

COMPANY El Paso Natural Gas			WELL NAME AND NUMBER Huerfano Unit No. 163		
UNIT LETTER 0	SECTION 19	TOWNSHIP 26	RANGE 9	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 6720	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 6454
GAS PAY ZONE FROM 6466 TO 6565		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .734	GRAVITY X LENGTH 4737 ✓
DATE OF FLOW TEST FROM 8-24-69 TO 8-1-69			DATE SHUT-IN PRESSURE MEASURED 6-21-69		

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) -	(f) Friction Loss (a-c) or (b-c) -	(g) Average Meter Pressure (Integr.) 429
(h) Corrected Meter Pressure (g+e) 429	(i) Avg. Wellhead Press. $P_f = (h+f)$ 429	(j) Shut-in Casing Pressure (DWt) 1143	(k) Shut-in Tubing Pressure (DWt) 1143	(l) P_s = higher value of (j) or (k) 1143	(m) Del. Pressure $P_d = 50\% P_c$ 572	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 153	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 153 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.291 ✓	$(F_c Q_m)^2 (1000)$ 2,071	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 603	P_i^2 184,041	$P_w^2 = P_i^2 + R^2$ 184,644	$P_w = \sqrt{P_w^2}$ 430
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	153	$\left[\frac{979265}{1121805} \right]^n =$	$\left[.8729 \right]^n =$	$\frac{.9743}{.9031} =$	138 MCF/D
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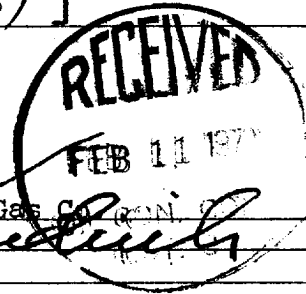
REMARKS:

1st del. after workover on 8-3-69.

SUMMARY

Item h **429** Psia
 P_c **1143** Psia
 Q **153** MCF/D
 P_w **430** Psia
 P_d **572** Psia
 D **138** MCF/D

Company **El Paso Natural Gas Co.**
 By **[Signature]**
 Title _____
 Witnessed By _____
 Company _____



dk