

initial
deliverability Test

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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87-170

COMPANY El Paso Natural Gas Co.			WELL NAME AND NUMBER Huerfano Unit No. 208		
UNIT LETTER D	SECTION 32	TOWNSHIP 26	RANGE 9	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 6778	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 6686
GAS PAY ZONE FROM 6488 TO 6710		WELL PRODUCING THRU CASING TUBING X X		GAS GRAVITY .678	GRAVITY X LENGTH 4533
DATE OF FLOW TEST FROM 8-27-70 TO 9-4-70			DATE SHUT-IN PRESSURE MEASURED 7-24-70		

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) -	(f) Friction Loss (a-c) or (b-c) -	(g) Average Meter Pressure (Integr.) 363
(h) Corrected Meter Pressure (g+e) 363	(i) Avg. Wellhead Press. $P_i = .(h+f)$ 363	(j) Shut-in Casing Pressure (DWt) 1935	(k) Shut-in Tubing Pressure (DWt) 1446	(l) P_c = higher value of (i) or (k) 1935	(m) Del. Pressure $P_d = 50$ 968	(n) Separator or Dehydrator Pr. (DWt) for critical flow only P_c

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 595	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 595 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.281	$(F_c Q_m)^2 (1000)$ 31295	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 8794	P_t^2 131769	$P_w^2 = P_t^2 + R^2$ 140563	$P_w = \sqrt{P_w^2}$ 375
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DELIVERABILITY CALCULATION

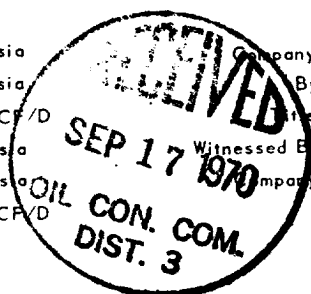
$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	595	$\left[\frac{2807201}{3603662} \right]^n =$	.7789	$= .8291$	$= 493$ MCF/D
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REMARKS:

New Well, 1st del. 8-11-70

SUMMARY

Item h 363 Psia
P_c 1935 Psia
Q 595 MCF/D
P_w 375 Psia
P_d 968 Psia
n 493 MCF/D



EL PASO NATURAL GAS COMPANY

By *A. E. M. Gentry*

Witnessed By