

Deliveral

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 Dakota	COUNTY San Juan
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87-144

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER Huerfano Unit No. 201		
UNIT LETTER I	SECTION 9	TOWNSHIP 26N	RANGE 10W	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 6900	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 6834
GAS PAY ZONE FROM 6727 TO 6836		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .711	GRAVITY X LENGTH 4859
DATE OF FLOW TEST FROM 5-16-70 TO 5-24-70			DATE SHUT-IN PRESSURE MEASURED 3-17-70		

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.) 362
(h) Corrected Meter Pressure (g+e) 362	(i) Avg. Wellhead Press. $P_i = (h+f)$ 362	(j) Shut-in Casing Pressure (DWt) 1947	(k) Shut-in Tubing Pressure (DWt) 1342	(l) P_c = higher value of (j) or (k) 1947	(m) Del. Pressure $P_d = 50$ 974	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 410	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 410 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.298	$(F_c Q_m)^2 (1000)$ 14860	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 4428	P_i^2 131,044	$P_w^2 = P_i^2 + R^2$ 135,472	$P_w = \sqrt{P_w^2}$ 368
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 \cdot P_d^2}{P_c^2 \cdot P_w^2} \right]^n =$ 410	$\left[\frac{2842133}{3655337} \right]^n = .7775$	$\left[\frac{2842133}{3655337} \right]^n = .8279$	$= 339$ MCF/D
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REMARKS: New well, 1st del. april 21-70.

SUMMARY

Item h	362	Psia
P_c	1947	Psia
Q	410	MCF/D
P_w	368	Psia
P_d	974	Psia
D	339	MCF/D

Company El Paso Natural Gas Co.

By *[Signature]*

Title

Witnessed By

Company

