

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19

Form C122-A
Revised 1-1-69

POOL NAME Basin	POOL SLOPE n = .75	FORMATION DK	COUNTY San Juan
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COMPANY El Paso Natural Gas Co.			WELL NAME AND NUMBER Huerfano Unit No. 206		
UNIT LETTER J	SECTION 26	TOWNSHIP 26	RANGE 9	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 6781	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 6721
GAS PAY ZONE FROM 6483 TO 6712		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .705	GRAVITY X LENGTH 4738
DATE OF FLOW TEST FROM 8-7-70 TO 8-15-70			DATE SHUT-IN PRESSURE MEASURED 6-4-70		

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.) 374
(h) Corrected Meter Pressure (g+e) 374	(i) Avg. Wellhead Press. $P_t = (h+f)$ 374	(j) Shut-in Casing Pressure (DWt) 2034	(k) Shut-in Tubing Pressure (DWt) 1908	(l) $P_c =$ higher value of (i) or (k) 2034	(m) Del. Pressure $P_d = 50\% P_c$ 1017	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 421	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 421 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.291	$(F_c Q_m)^2 (1000)$ 15668	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 4559	P_t^2 139876	$P_w^2 = P_t^2 + R^2$ 144435	$P_w = \sqrt{P_w^2}$ 380
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	421	$\left[\frac{3102867}{3992721} \right]^n =$	$.7771^n =$	$.8277$	$=$	348 MCF/D
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REMARKS:

New well, 1st del. July 2, 1970.

SUMMARY

Item h 374 Psia
P_c 2034 Psia
Q 421 MCF/D
P_w 380 Psia
P_d 1017 Psia
D 348 MCF/D

Company EL PASO NATURAL GAS COMPANY
By *R. E. Stauffer*
Title
Witnessed By
Company

